UMASS/AMHERST
312066 0333 3164 4

UNIVERSITY OF MASSACHUSETTS
LIBRARY

LIBRARY
UNIVERSITY OF
MASSACHUSETTS
AMHERST, MASS.

THE AMERICAN FLORIST.

A WEEKLY JOURNAL FOR THE TRADE.

VOLUME XXVII.

CHICAGO:
AMERICAN FLORIST COMPANY.
1907.

634.405
Am3t v.27

THE AMERICAN FLORIST.

VOLUME XXVII.

July 28, 1906 to January 19, 1907.

CONTENTS.

Illustrations are indicated by an *

A

Advertisement, A good Baltimore 1148
Albany, N. Y..288, 464, 586, 694, 824, 1070, 1206.
Allentown, Pa..... 586
Allied trades, The:
—Concrete, How to make..... 143
—*Glass, Laying lapped..... 144
—Hammond's works enlarged.... 144
—Valves, The abuse of..... 145
American Carnation Society..270, 402, 488, 682, 744, 848, 937, 1048, 1190, 1248.
American Rose Society..94, 314, 802, 1000.
Ants in a greenhouse.....1112, 1248
Ants on roses and lawns..... 272
Ants, Toads will exterminate.... 316
Aquatic plants, Notes on..... 355
Asparagus Crawshawi 743
Asparagus Duchesnei 1198

B

Baltimore..18, 58, 102, 148, 357, 400, 441, 487, 536, 582, 685, 764, 849, 894, 999, 1055, 1108, 1146, 1244.
Bay Shore, N. Y..... 236
Beans, Broad 996
*Begonia Gloire de Lorraine....1051
Beverly, Mass. 446
Birmingham, Ala. 829
Bloomington, Ill. 464, 1203
Booklets, Florists' 1098
Books, Recent:—
—Book of cut flowers, The..... 989
—Book of market gardening.... 989
—Dwarf fruit trees..... 679
—Garden, You and I, The..... 989
—Horticultural note book, The.. 141
—Implement blue book, The.... 141
—Lawns and how to make them. 679
—Orchard and fruit garden, The. 141
—Plant breeding 141
—Season in a flower garden, The 989
—Water lilies and aquatic plants 141
Boston..16, 58, 100, 147, 222, 276, 326, 364, 408, 452, 486, 536, 596, 646, 692, 754, 812, 858, 900, 950, 1012, 1062, 1106, 1154, 1195, 1242.
Boston, Gardeners' and Florists' Club 1242
Botany, Horticultural 136
Brandon, Manitoba..... 868
Brother Jim's plain talks 1140
Bucyrus, O. 660
Buffalo..58, 160, 222, 322, 366, 441, 504, 635, 686, 824, 851, 962, 1056, 1156, 1212, 1245.
Bulbs 218
Bulbs and roots, Florists' forcing:—
—*I. Lilium Harrisii 347
—*II. Tulip, The 391
—*III. Lilium longiflorum 435
—*IV. Lilium speciosum 479
—*V. Lily of the valley..... 523
—*VI. Narcissi 575
—VII. Hyacinths, Roman 575
—VIII. Hyacinths, Dutch 627
—*IX. Freesias 841
—X. Spireas 1186
—XI. Gladioli 1186
*Bulbs, Dutch and other, Fall planting of 354
Bulletins recently issued.150, 220, 803
Burbank, O'Mara on..... 528
Burbank's work, Money for..... 128
Burlingame, Cal. 1100

C

Cacti at Missouri Botanical Garden 266
Campanulas in pots.....1140
Canadian Horticultural Association 305
—*Lawrence, W. J..... 307
Canadian tariff, New..... 936
Canna growers' association, A national 480
Canna roots, Storing..... 579
Carnation exhibition in London..1092
Carnation number 1248
Carnation, The:—
—Bud rot in carnations..... 981
—Carnation bud supporters..... 134
—Carnation calyx, Artificial....1190
—Carnation comment...307, 392, 740
—Commercial carnations 308
—*Carnation flowers, Split.....1190
—Carnation houses, To heat..... 134
—*Carnation Imperial 740
—Carnation planting, Early versus late 392
—Carnation plants, Diseased.... 392
—Carnation Robt. Craig in England 843
—Carnations, Diseased 525
—Carnations in England.....1049
—Feeding of carnations..... 524
—Notes, Seasonable..4, 134, 307, 524, 740, 843, 981.
—Propagating carnations.....1049
—Seeds, Carnations from..... 955
—Soils, Experiments with carnation 525
Catalogues received....150, 639, 745, 1099, 1211, 1264.
*Cattleya, An abnormal....844, 1138
Charlotte, Mich., Children's gardens in 578
Chicago..14, 56, 98, 156, 222, 274, 318, 362, 406, 450, 492, 542, 594, 645, 691, 752, 811, 857, 899, 949 1010, 1061, 1105, 1153, 1203, 1255.
Chicago, Dayton delegates invited to 52, 94
*Chicago Florists' Club.....1053
—*H. N. Bruns.....1053
Chicago flower show, The..... 488
Chicago flower show, Edgar Sanders on 802
Chicago market, On the..... 594
Chicago notes..635, 684, 810, 856, 1001.
Chicago parks, At the..... 634
Chicago show, The.....638, 1039
Chicago to Dayton, via Big Four 94
Christmas trade reports.....1133
Chrysanthemum Society of America..10, 358, 444, 488, 538, 590, 629, 678, 746, 800, 842, 931, 1000.
—Pres. Duckham's address..... 746
Chrysanthemum, The:—
—Blooms, Cut, for various purposes 886, 931, 982, 1090
—Chrysanthemum Emily Smith.. 842
—*Chrysanthemum October Frost 577
—Chrysanthemums at Buffalo... 741
—Chrysanthemums at Pittsburg, New 800
—Chrysanthemums for exhibition 577
—Chrysanthemums, Identifying. 678
—Chrysanthemum sports.....1141
—Chrysanthemums, The best....1194
—Climatic conditions, Influence of on chrysanthemum culture.. 799
—Corythuca on 131
—Notes, Cultural 131, 308
—*Culture in California, Outdoor 1090
—Opinion, Another 1091
—Queen, Sports from the..... 984
—Reminders, Cultural 351, 482
—*Varieties, Early 842
—Varieties, Notes on...481, 628, 741
—Wilting of blooms, Premature. 629
Cincinnati.....92, 554, 583, 636
Cleveland..374, 400, 464, 583, 636, 700, 776, 866, 917, 966, 1014, 1162, 1217, 1245.
Cleveland, New wholesale house.1248
*Coal bill, Cutting the, in two.. .....484, 580, 988
*Coal, Economical use of slack.. 130
Coal, Slack, as fuel..... 316
Coccolobas 1093
Coleus with edible tubers..... 132
Columbia, Mo. 27
Columbus, O..110, 256, 274, 399, 505, 584, 636, 704, 820, 851, 1024, 1131, 1162, 1247.
*Commercial places, Attractive.. 480
Competition, Foreign 502
Cornell gets plant expert.....1148
Correction 52, 488, 1148
Corythuca on chrysanthemums... 131
Credit system, Our: Its uses and abuses 1142
Crepe paper duty high..... 744
Cut flowers, Summer..... 1

D

Daffodils, September 744
Dahlia Society, The..... 358
*Dahlias, Rawson's 1140
Dahlias, Roses and, in England.. 526
*Dahlia, The 526
Davenport, Ia....222, 401, 609, 1102, 1247.
Denver.....401, 464, 585, 939, 1212
Department of Agriculture plant pointers 860
Department of Agriculture, The. 940
Designs, Set, popular?..... 682
Des Moines, Ia....171, 316, 637, 868, 1030, 1100, 1200.
Detroit..93, 358, 584, 938, 1003, 1121, 1172, 1212.
Detroit to Dayton..... 94
Divorce, Florists and..... 803
Dubuque, Ia. 654

E

Elkins Park, Pa., A visit to.... 676
Elmira, N. Y.....1256
Employes, For your.....1098, 1148
Engineering feat, An.....1000
England, Forcing and retarding in 1239
European horticulture.....5, 742, 847
European notes.....1052, 1140, 1187
Examiner of plants..... 682
Exhibitions, The:—
—American Institute of New York 794
—American Institute show..... 510
—Baltimore show, The..... 845
—Bay Shore Horticultural Society 734
—Canadian national exhibition.. 376
—*Chicago, Horticultural Society of 719, 791
—*Chrysanthemum Society of America 719
—Denison, Tex. 847
—French exhibitions 942
—Illinois state fair..... 588
—Kansas City flower show..... 680
—Lake Geneva Gardeners..... 796
—Lenox, Mass. 680
—*Massachusetts Horticultural Society 728
—Missouri state fair, Awards at 589
—Monmouth County Horticultural Society 732
—Montreal Horticultural Society 376
—*Morris County Gardeners' and Florists' Society 733
—Nassau County Horticultural Society 734
—Nebraska State Horticultural Society 404
—New Haven Horticultural Society 797
—Ontario Horticultural Association 795
—Orange, N. J..... 798
—*Pennsylvania Horticultural Society, The 727, 794
—Rhode Island Horticultural Society 846
—Shows, Small flower.....1151
—Southern California Horticultural Society 735
—Spokane, Wash. 510
—Tarrytown Horticultural Society 731
—Waco, Tex., flower show..... 891
—Worcester County Horticultural Society 799

F

Flies, House 221
Florists' Hail Association, The.. 220
—Report of, Annual..... 242
Ft. Wayne, Ind..... 503
Fredericton, N. B.....236, 706
Freesia Purity, Fischer's..... 220

G

Geraniums, Diseased 1098
Gerbera Jamesoni in the Riviera.1248
Gilia coronopifolia 989
Giver, A thoughtful..... 997
Gladiolus spikes, Deformed..314, 350
Glass and present tariff, Greenhouse 1056
Glass, Greenhouse 402
Glass market, The..... 444
Glass question and greenhouse men, The 943
Glen Cove, N. Y..24, 222, 371, 654, 1220, 1258.
Glens Falls, N. Y..... 160
"Graham's choice," "Mr."..... 94
Grand Rapids, Mich.....505, 1172
*Grass, The crimson fountain.... 309
Greenhouse building 10, 270, 682
Greenhouse construction 630
Greenhouse heating 268
Greenhouses, Indestructible 1002
Growers, With the:—
—Ashtabula, O., Growers at.... 738
—*Bertermann Bros. Co., Indianapolis 1187
—*Chatogue Greenhouses, Mobile, Ala. 397
—*Chicago Carnation Co., Joliet, Ill. 990
—Chicago concerns, A Nebraskan on 992
—*Childs, John Lewis, Floral Park, N. Y..... 311
—*Cottage Gardens Co., Queens, N. Y. 556
—*Dailledouze Bros., Flatbush, N. Y. 440, 934
—*Grundman, Otto, Secaucus, N. J. 85
—*Haines, John E., Bethlehem, Pa. 1236
—Heilenthall, John R., Columbus, O. 677
—*Hoffmeyer, C. K., Carnegie, Pa. 1092
—*Jensen & Dekema, Chicago..1236
—*Lorch, Albert T., DeHaven, Pa. 678
—*Maier, Patrick, Allegheny, Pa. 1237
—New York market, Growers for the 738
—Pierson, A. N., Cromwell, Conn. 398
—*Pierson, F. R. Co., Tarrytown, N. Y.....5, 1234
—Pittsburg Cut Flower Co., Ltd. 677
—*Poehlmann Bros. Co., Morton Grove, Ill. 844
—*Reimels, John, Woodhaven, N. Y. 5
—*Reinberg's 20 years of progress 736
—Savoie, Emil, Secaucus, N. J.. 85
—*Scheiden & Schoos..... 933
—Schmidt, Arnold & Son, Nashville, Tenn. 44
—*Schneider & Noe, Congers, N. Y. 135
—*Schultheis, Anton, College Point, L. I., N. Y..... 44
—*Schuneman, Geo. T., Baldwin, N. Y. 135
—*Scott, John, Flatbush, N. Y.. 632
—Templin Co., The, Youngstown, O. 632
—Thompson, J. D., Carnation Co., Joliet, Ill..... 991
—*Vaughan's, Western Springs, Ill. 1049
—*Wietor Bros., Chicago..... 889
—Wittbold Co., The, Chicago....1050
—*Zeller, Chas. & Sons, Flatbush, N. Y..... 398
Gulf coast storm, The..... 488

H

Hanford, Cal., convention, The.. 930
Hartford, Conn.....100, 276, 852
Heating two small houses..... 314
Herbaceous plant notes..... 68
Hieland heather, The..... 401
Horticultural Society of New York 546

Hubbard, Elbert, Florist..... 803
Huntington, N. Y..... 546
*Hydrangeas in tubs, Growing.. 42

I

*Illinois Central railroad's gardeners 353
Illinois state fair, Floriculture at 44
Illinois State Florists' Association ..362, 406, 450, 535, 680, 802, 942, 1242.
Illustrations, Special:—
—Adiantum Farleyense, Basket of Azalea and 1243
—Aqueduct, N. Y., Interior of E. L. Enggren's Dietsch plan greenhouses 135
—Asparagus Duchesnei at Philadelphia show 1139
—Azalea and Adiantum Farleyense, Basket of.....1243
—Azalea, W. K. Harris' Japanese Easter 307
—Bridal bouquet, Prize..... 936
—Brix, Adolp, Store of, St. Louis 995
—Calla freak, A..... 149
—Campanula rosea 1140
—Canna King Humbert..... 398
—Canna Oscoda at Dayton, Outdoor exhibit 310
—Chicago flower show poster... 674
—Chicago, The flower garden at Lincoln park 145
—Children's gardens, Dept. of Agriculture, Washington, D. C. 207
—Chrysanthemum Dakoma, Nathan Smith & Son's new..... 843
—Chrysanthemum Dr. Enguehard at Harry S. Hopkins, Birmington, N. Y..... 797
—Chrysanthemum Ialene, Nathan Smith & Son's new..... 931
—Coles, W. W., Kokomo, Ind., House of Lawson carnations..1239
—Cole's, W. W., new King construction house, at Kokomo, Ind. 310
—Coleus, Wm. Batchelor's new seedling at Philadelphia..... 989
—Cottage Gardens Co., Queens, N. Y., Establishment of...528, 529
—Dayton Florists' Club, Some officers and members of the... 133
—Denison, Tex., show, A section of 938
—Design, Floral, by Holm & Olson, St. Paul, Minn.....993, 994
—Dinner table decoration at Toronto 936
—Dinner table decoration, J. S. Simmons, Toronto, Ont..... 993
—Ficus pandurata 128
—Ficus pandurata in fruit..... 733
—Herendeen, F. W., Geneva, N. Y., with automobile and friends 357
—Herendeen Mfg. Co., Geneva, N. Y., Dayton convention exhibit 357
—Jamestown exposition grounds, At the 3, 4, 26
—Jamestown exposition grounds, On the 68
—Ladies' Auxiliary badge.....1248
—Langjahr's A. H., New York, Dahlias arriving at..... 581
—Mignonette, House of, at Poehlmann Bros., Morton Grove, Ill.1138
—Nephrolepis Whitmani 887
—Newport, R. I., Carnival, F. L. Zeigler's float at the..... 210
—New York delegates at Dayton convention, Some of the.. 313
—Otaheite orange 735
—Philadelphia, Pa., The sunken gardens, Fairmount park..... 86
—Pillsbury's, I. L., planthouse, Galesburg, Ill. 480, 481
—Poehlmann Bros., Morton Grove, Ill., American Beauty roses at.1188
—Reinberg's, Peter, Chicago, Perle des Jardins roses at....1188
—Rose seedling from American Beauty, Kaiserin and Liberty, Unnamed 985
—Siebrecht & Son, New Rochelle, N. Y., New orchid house of... 578
—Simmons, J. S., Toronto, Can., Prize design by.....1142
—Tipton Greenhouses, Tipton, Ia., At the..... 442
—Wittbold, Geo. Co., Chicago, Store of the..... 304
—Wittbold's, Geo., establishment, Chicago 675
—Wreath, A laurel.....1143
Indianapolis..502, 560, 586, 658, 685, 752, 804, 870, 895, 964, 1020, 1101, 1153, 1203, 1246.
Insects, Greenhouse 436
Irises, Spanish 393
Ivy, English 532

J

Jamestown exposition, The..... 134
*Jamestown, Landscape gardening at 987

K

Kansas City..6, 79, 92, 152, 222, 274, 334, 360, 401, 443, 460, 502, 537, 584, 637, 686, 774, 824, 938, 1055, 1096, 1172, 1197, 1243.
Kansas invitation, A..... 538
Karr, Alphonse, Monument to, at Hyeres 52

L

Ladies' Auxiliary, The..... 892
*Lake Geneva gardeners at Vaughan's Nurseries 395
Lawrence, Kans. 283
Legal points:—
—Orchid not as described.....1002
—Smoke decision, A Washington 1002
—Water, contaminated..... 638
—Water leaking through the floor 588
Lenox Horticultural Society..... 219
Lenox, Mass..408, 854, 1014, 1072, 1247.
Lexington, Mo. 1070
*Light, artificial, Influence of on plants 348
*Lilium Philippensis 146
Lily of the valley and its culture, Retarded 628
Lily of the valley, Forcing..... 628
Lincoln, Neb. 826
Lincoln's gardener, Was.....1240
London, Ont. 236
Longpre, Paul de..... 145
Los Angeles, Cal..416, 609, 669, 715, 806, 1116, 1197.
Louisville..6, 79, 149, 222, 288, 336, 374, 400, 443, 487, 585, 646, 687, 768, 812, 895, 944, 1012, 1131, 1183, 1246.
*Loveless, Alfred J.....1135
Lynchburg, Va. 1072

M

*McKinley monument unveiling, Wreath for 399
Madison, N. J.....464, 586, 1100
Market gardens 1241
—*Seasonable notes..... 140
—Tomato houses, Heating.....1241
—Vegetables, Prices of indoor..1241
Massachusetts Horticultural Society....268, 376, 452, 680, 997, 1154, 1196.
Meetings next week..11, 52, 95, 151, 220, 271, 315, 358, 402, 444, 489, 539, 591, 683, 745, 803, 849, 893, 943, 1099, 1149, 1249.
Meredith, Mass. 666
Mexican floriculture 43
Mignonette culture.....1138
Millbrook, N. Y..... 854
Milwaukee..406, 939, 1068, 1108, 1162, 1197.
Minneapolis....1030, 1070, 1183, 1246
Missouri Botanical Garden scholarships 1198
Montbretias in England, New seedling 439
Montreal..58, 152, 288, 334, 380, 562, 587, 824, 1024, 1096, 1217.
Moorehead steam trap, The.....1002
Morristown, N. J. 952
Mushroom bed, Woodlice in.....1241

N

*Narcissus for cut flowers, Field growing of 125
Nashville.....149, 586, 1171, 1245
Nasturtiums 946
National Congress of Horticulture 220, 1000
National Council of Horticulture. 538, 892
National Sweet Pea Society of England 90
Near to Nature's heart..... 604
*Nelumbiums 129
New Castle, Pa..... 771
New England, Some scarce items in 538
New Orleans..27, 149, 268, 504, 556, 1156, 1245.
*New Orleans garden, A..... 438
Newport, R. I..111, 158, 288, 399, 587, 648, 952, 1077, 1258.
*Newport Hort. Society.....219, 1242
News notes....8, 172, 286, 313, 464, 588, 641, 747, 1058, 1097, 1147.
New York..18, 60, 102, 160, 222, 278, 322, 366, 410, 454, 496, 546, 598, 648, 694, 756, 814, 860, 902, 952, 1014, 1064, 1108, 1156, 1206, 1258.
New York Florists' Club..356, 814, 996, 1258.
New York, Horticultural Society of 814
New York to Dayton..... 222
Northampton, Mass., Gardening in 440
*Novelties of 1907, Some....532, 579
Now, To be done..580, 633, 742, 801, 890, 937, 996, 1052, 1091, 1139, 1194, 1238.
Nursery trade, The..26, 68, 110, 170, 238, 284, 328, 372, 416, 460, 504, 554, 606, 654, 700, 762, 822, 866, 908, 958, 1022, 1070, 1114, 1164, 1214, 1266.
—American Apple Growers' Congress, The 238
—American Association of Nurserymen 416
—American Civic Association.... 700
—American Pomological Society. 460
—Aquilegias, Late flowering.... 372
—Association of American Cemetery Superintendents 284
—Boston department of parks.. 762
—Cincinnati park system, Plans for 328
—Coniferae, The 606
—Delphiniums 572
—Estate, Sale of a fine.....1266
—Forester's revenge, A.....1214
—Forestry, The profession of...1164
—Forest trees, Large orders for.1114
—Fruit crop, Large..... 238
—Fumigation of nursery stock, The 654
—Hicksville, N. Y.....1214
—*Hybiscus Syriacus Meehani, The new 170
—*Hydrangea, American Everblooming 170
—Imports, Government appraisals on 328
—Landscape architects meet....1266
—*Maples, Japanese 554
—Meehan, Thos., Horticultural Society 1114
—Mountain Misery 1022
—Nurserymen landscape despoilers.....958, 1114, 1214, 1266
—Nursery, City, projected.....1214
—Nut growers' convention, The. 762
—Pacific coast nurserymen..... 26
—*Peonies and their uses..... 284
—Peonies, Tree 958
—*Phlox, Field of, at Martin Kohankie's Nursery, Painesville, O. 1164
—Rose Rubin or Ruby, The climbing 958
—Roses, Late flowering hardy... 170
—Saskatoon nurseries, The.....1070
—Scheme, A new..... 170
—Shippers' table for nurserymen 762
—Southern Nurserymen's Association 238
—*Teas, Edward Y..... 908
—Trees, Care of transplanted.. 26
—Utah state nurserymen meet..1022
—Vaccinating trees 110
—Vanderbilt, Nurseryman 958
—Western Association of Nurserymen 1214
*Nymphoea dentata magnifica... 89

O

Oakland, Cal. 776
Obituary:—
—Bard, Mrs. Robt..... 891
—Barrett, Major Clarence T.... 637
—Biggam, Miss Elsie E.....1247
—Bock, Jerome 1147
—*Braik, James.....1247
—Burton, Mrs. Rose Taylor.....1097
—*Clark, Edward D..... 48
—*Conard, Alfred F.....1054
—Cooper, Orlando G.....1054
—Cowan, Henry..... 537
—*Dillon, J. L..... 681
—Donahue, Patrick J..... 537
—Doogue, Wm. 743
—Ellwanger, Geo. 940
—Emslie, Alexander..... 49
—Engelmann, Mrs. Bertha H.... 801
—Froebel, Otto 401
—Goebel, Paul 587
—Graves, Samuel Seabury..... 743
—*Hartshorne, James (portrait). 91
—Hodgeman, Frank E..... 891
—Huckriede, Ernest 1001
—Hunt, Edward 1054
—Johnson, Henry Chas..... 219
—Johnson, Joseph Forsyth..... 12
—Johnson, R. S..... 313
—Kimbel, Adam 149
—King, Michael 401
—Knight, Patrick 587
—Lamberson, Geo. H.....1054
—McCracken, Robt. M.....1097
—*McMillan, Wm. 269
—Maitre, Mrs. Christina..... 49
—Mendenhall, R. S..... 681
—Moore, Geo. R. 1001
—Morris, Mrs. W. L.....1097
—Munte, Max 12
—Murphy, Peter H..... 48
—Patten, Geo. W..... 357
—Phillips, Joseph D..... 743
—Pierson, Paul R..... 443
—Shepherd, Mrs. Theodosia B... 357
—Sidwell, Daniel 1247
—Sprague, Wm. 587
—Somerfield, John 713
—Taber, Mrs. J. W..... 801
—*Ullrich, Lewis 681
—Ulrich, Rudolph 587
—Vick, James 1054
—Viets, D. L.....1147
—Warburton, James 357
—Waters, Mrs. Catherine.....1197
—Watkins, Wm. H..... 90
—*Weir, James Jr., (portrait).. 90
—Winship, John 1054
—Woltewaite, Albert 1054
—Wood, E. W.....1147
—Wyckoff, Albert 487
—Zimmerman, Albert 940
Oceanic, N. J.....357, 587
Office should seek the man, Says. 52
Ogden, Utah 542
Omaha.....*49, 288, 614, 1020, 1212
O'Mara on Burbank.....528
Orange, N. J..102, 364, 587, 772, 1106, 1220.
Orchid notes:—
—Calanthes 1137
—Cattleya, An abnormal.....1138
—*Phalaenopsis grandiflora 1137
—*Vanda coerulea.....1137
*Orchids, Siebrecht's 932
Oregon, Impressions of..... 595
Osage, Ia. 870
Ottawa, Ont. 1212

P

Palms and ferns:—
—Adiantums, Small pots for.... 986
—Cultural notes 2
—Ferns, Hardy cut, scarce..... 444
—Ferns, Raising seedling..... 985
—Looking backward 1191
—Notes, Seasonable....310, 482, 887
—Phoenix Roebelenii 985
Pansies, Growing 218
*Paris 888, 937
Parkersburg, W. Va..... 494
Pasadena, Cal. 1247
Pastimes, Our:—
—Boston, At 51
—Buffalo florists, Outing of the. 376
—Chicago, At 37, 50, 93, 184
—Denver Florists' bowling league 589
—Kansas City, At..... 681
—Milwaukee Florists' Club picnic 404
—Minneapolis versus St. Paul... 184
—Montreal, At 93
—Philadelphia, At.....50, 184, 404
—St. Louis, At.....50, 589
—St. Paul, At..... 184
—Salt Lake City, At..... 184
—Springfield, O., At..... 93
—Twin City florists' outing..... 37
—*Utica, N. Y., At..... 37
*Pelargoniums, Grafting 2
Peony, Present status of the.... 263
People we know:—
—*Abele, Otto 48
—*Huss, John F..... 47
—*Wintzer, Antoine 1192
Peoria, Ill. 1168
Personal 150, 744
Peterson, W. A., returned from abroad 318
Philadelphia..16, 100, 158, 222, 276, 320, 364, 408, 452, 494, 544, 596, 646, 692, 754, 812, 858, 900, 950, 1012, 1062, 1154, 1204, 1256.
Philadelphia, Christmas plants in 1057
Philadelphia convention, The coming 1242
*Phoenix Roebelenii 146
Pittsburg..93, 148, 222, 276, 322, 364, 399, 441, 504, 544, 596, 635, 694, 770, 865, 917, 950, 999, 1064, 1150, 1197, 1245.
Plant notes, Florists':—
—August, For early..... 41
—September, For..... 126
—October, For 533
—November, For early..... 673
—November, For late..... 800
Plant prices, Wholesale..... 941
Policeman, One for the..... 895
Portland, Ore. 1183
Portraits:—
—Abele, Otto 48
—Altick, H. M..... 133
—Ames, Butler, Congressman.. 908
—Amling, E. C.....1053
—Asmus, Geo. 208
—Beatty, H. B..... 205
—Bertermann, Irwin 303
—Braik, James, The late.....1246
—Bruns, H. N.....1053
—Barge, Chas. S..... 414
—Clark, E. D., The late..... 48
—Conard, Alfred F., The late...1054
—Dillon, J. L., The late..... 681
—Ellwanger, Geo., The late..... 958
—Fabacher, Lawrence 438
—Farquhar, J. K. M. L.....1135
—Frank, Horace M..... 133
—Goebel, Paul, The late..... 584
—Gude, Wm. F..... 215
—Haeflin, Herman 134
—Haines, John E.....1236
—Hallock, E. Y..... 216
—Hartshorne, James, The late.. 91
—Hauswirth, P. J..... 204

29964

—Heiss, J. B..... 133
—Hendricks, Mrs. B..... 133
—Hill, E. G..... 799
—Huss, John F..... 48
—Irish, Prof. H. C..... 148
—Johnson, Miss Lucy..... 133
—Johnson, Miss Minnie..... 133
—Kleinheinz, Wm. 676
—Lawrence, W. J..... 306
—Longren, A. F..... 990
—Loveless, Alfred J.....1134
—Lutzenberger, Chas. 133
—McMillan, Wm., The late..... 269
—Meadenhall, R. J., The late... 743
—Murray, Samuel 1135
—Olsen, Peter 990
—O'Mara, P. 528
—Pennock, S. S. 494
—Pieters, A. J..... 64
—Pyfer, A. T..... 990
—Reinberg, Peter, Alderman... 736
—Ritter, F. W..... 133
—Ritter, H. H..... 133
—Samuelson, Chas. A..... 720
—Schupp, Philip 1053
—Shepherd, The late Mrs. Theodosia B. 370
—Skidelsky, S. S.....1142
—Stewart, Wm. J..... 202
—Teas, Edward Y..... 908
—Thorburn, Grant 550
—Totty, Chas. Henry..... 997
—Ullrich, Lewis, The late..... 681
—Weir, James, Jr., The late.... 90
—Westcott, John 203
—Wintzer, Antoine 1192
—Wirth, Theo. 1135
—Wood, E. W., The late.....1147
Prescott, Ariz. 715
Presidents of florists' clubs..... 744
Primula obconica poisoning..... 436
Probst & Christianson, DeKalb, Ill. 1248
Providence, R. I..380, 648, 852, 1028, 1183.

Q

Queries:—
—Azaleas and roses for Easter..1002
—Boiler, Capacity of..... 640
—Boiler for small greenhouse.... 680
—Chimney, Extending 588
—Cucumbers, Fumigating 1002
—Decoration day, Flowers for..1146
—Dielytras, Spireas, Hollyhocks.1096
—Gas in store, Natural.....1095
—Greenhouse building, Advice on 680
—Greenhouse, Heating a.....1146
—Greenhouses, To heat two.... 184
—Greenhouse, To heat a..... 640
—Greenhouse, Ventilating a.... 184
—Lilacs for Easter, Spireas and.1095
—Narcissi, Forcing 1095
—Paint for greenhouse pipes... 588
—Pipes during alterations, Care of 184
—Pipes, Slope of hot water heating 588
—Plants from seed, Bedding....1146
—Poinsettias drooping—Smilax troubles 1147
—Seed sowing, Times for.....1096
—Shading, To remove whitewash 588
—Smilax troubles, Poinsettias drooping 1147
—Spireas and lilacs for Easter..1095
—Steam or hot water for heating 640
—Swainsonas losing their leaves.1096
—Trap versus pump, Steam ... 184
—Wall, Concrete or cement block 640
—Whitefly, Remedies for 1002

R

Railroad discrimination 3
Reclamation service, The..... 989
Retail trade, The..6, 142, 303, 483, 581. 675, 741, 935, 992, 1094, 1193.
—Alpha Floral Co., The, Denver, Col. 992
—*Basket, A floral.....1193
—Birthday bouquet, The..... 305
—Business pointers for the retail trade 993
—Chicago retailers are showing, What some 581
—Chicago, Retail holiday trade in 1084
—*Chicago store, Another..... 581
—*Cleveland wedding, Decorations for 935
—*Cluster, An elaborate..... 305
—Dinner decoration, A New York 304
—*Flower store, The small.... 581
—Idlewild Greenhouses, Memphis, Tenn. 581
—Improvements in retailers' methods, Recent 305
—*Kansas City show window... 675
—*McConnell's, Alex., new store 6
—New York, Florists' store windows in 675
—New York florists' windows...1094
—*New York hotels, Florists' work at 142
—Spencer funeral floral designs. 935
—Street flower merchant, The... 304
—*Table decoration, Anglais, The 741
—Table decorations 1193
—*Urn of American Beauty roses and asters by Harry Rowe, Chicago 6
—Wedding decorations, Recent.. 936
—Weddings, French, Flowers at.1193
—Wolfskill's, J. W., new store.1095
—*Wreaths, Some 143
—Young, Otto, floral offerings... 535
Richmond, Ind. 609
Rochester, N. Y..... 610
Rock Island, Ill.....1247
Rose, The:—
—Cultural notes.....1189
—Disbudding, watering, etc..... 4
—Drawn roses 985
—*European roses, New..... 739
—Feeding, Early 484
—Foliage injured, Rose..... 985
—Notes in season.....1188
—Notes, Seasonable.....392, 525
—November, Suggestions for.... 843
—Own-root roses, Best..... 985
—Reminders, A few..... 738
—*Rose Aurora, The new.....1189
—Roses and dahlias in England. 526
—Roses, Average yield of..... 132
—*Roses, Best grafted.....1189
—Roses, Diseased 358
—Roses, Grafting 984
—Roses, Raising new..... 526
—Roses, Smilax and, in carnation houses 353
—Roses, Summer 309
—Roses to date and their requirements 351
—Suggestions, Seasonable 132

S

St. Louis..14, 79, 91, 148, 222, 268, *312, 362, 406, 443, 486, 537, 583, 636, 684, 768, 806, 872, 910, 944, 998, 1055, 1145, 1200, 1243.
St. Louis, Flower show for..... 942
St. Louis Horticultural Society.. 997
—*St. Louis moves ahead..... 534
St. Paul..7, 93, 222, 418, 585, 826, 1020.
Salt Lake City, Utah..154, 318, 748.
Salvia and other plants, Propagating 578
*San Antonio, Tex., Decorated float at 532
San Diego, Cal..... 92
San Francisco..7, 92, 152, 222, 288, 336, 376, 400, 585, 637, 778, 1146, 1196, 1246.
San Rafael, Cal.....1168
Santa Barbara, Cal..... 614
Scranton, Pa.....1020, 1183
Seattle, Wash. 654. 1200
Secaucus, N. J..... 102
Seed trade, The..22, 64, 106, 164, 234, 282, 326, 370, 414, 458, 509, 550, 602, 652, 698, 760, 818, 864, 906, 956, 1018, 1068, 1112, 1160, 1210, 1262.
—Adulteration of seeds.....1264
—*Advertising booklet, Cover of. 602
—American Seed Trade Assn.... .....414, 1210, 1262
—Bargain seeds 819
—Boston.....64, 106, 164, 235, 282
—Boston seedsmen, Among..458, 500
—*Braslan Seed Growers Co., San Jose, Cal, Canary seed crop (1905) of the..... 65
—Braslan's opportunity..... 652
—Bruns, H. N., Chicago..... 864
—Bulb culture, Experiments in.. 956
—*Burge, Chas. S..... 414
—Burrell claims the melons are different 602
—Business, The spring..... 23
—California growers change contract terms 1262
—California seed growing..... 326
—California, Snow in.....1068
—*Cantaloupe seed selection, Schedule for 106
—*Catalogues, More about the making of 818
—Catalogues, Stock 414
—*Catalogues, The making of.. 550
—Cobalt stock, Big deal in.... 699
—Commercial corruption, Prevention of 166
—Connecticut seed notes..... 818
—Convention from seedsman's standpoint 370
—Copra crop curtailed, Samoan.1112
—*Corn, Stowell's Evergreen....1112
—Corruption act, The new English 458
—Crops, Connecticut seed..... 22
—Crops, Nebraska seed..... 22
—Crops, The seed..... 693
—Denmark, Parcel post with.... 818
—Dickinson, Albert, leaves Chicago board of trade..... 370
—Discounts The question of..402, 698
—Erfurt seed crops....158, 235, 258
—European notes 1068
—European seed crops.....22, 65, 107
—Farmers and seedsmen lose.... 106
—Ferry, Mrs. D. M., Death of.. 760
—Free seed distribution..... 22
—Free seeds, Against.....1210
—Free seeds, Arguments for.... 166
—Free seeds, As to.....1063
—Free seeds, Farmers hit..... 864
—French seed crop.....234, 698
—Fruits and vegetables, Indoor..1112
—Ghent's trade in plants and bulbs 761
—Gladiolus Praecox 1160
—Grass and clover seed in Europe 604
—Holland bulb season of 1906, The 818
—Holly car hunt, The.....1210
—Imports 1160
—Imports and exports....1210, 1252
—Invoice, What is the function of an 326
—Kentucky blue grass seed..... 326
—*McCullough, J. Chas., fishing in California 282
—Manchuria, Farm and garden seeds in 326
—Melon growers, General circular to 166
—Melon, Vaughan's Osage Gem renamed 500
—Morocco, Seed crops in..... 106
—Naples seed lists.....1160
—Ohio vegetable growers indicted 500
—Onion seed prices, The current catalogue 1210
—Onion sets, About shipping.... 23
—Onion sets at Louisville..... 22
—Parcels post for Denmark and America 326
—Pea crop, Wisconsin..... 282
—*Pieters, A. J..... 64
—Potato rot, To prevent..... 906
—Premiums, Seedsmen's 1160
—Prevention of corruption act, The 1160
—Prices, Fixes farm produce... 819
—Rawson, W. W. & Co.'s new store 1160
—Rochester, N. Y..... 500
—San Francisco 1018
—*Solanum Commersoni 604
—*Thorburn, The house of..... 552
—Tulip prices 458
—Turf and manure..... 864
—Vegetables, Prices of indoor.. .....1068, 1210
—*Vick's Sons, James, Rochester, N. Y. 234
—Watermelon, The seedless.... 761
—Wisconsin peas and beans..... 500
Shippers, Exhibition for flower.. 52
Sign of the times, A..... 744
Smilax and roses in carnation houses 353
Society of American Florists..94, 314, 444, 590. 638, 735, 848, 942, 1056, 1135, 1198.
—Convention programme..... 87
—Convention sports 86
—Dayton, Concerning arrival in. 86
—Dayton convention notes..... .....46, 86, 139
—Detroit to Dayton..... 140
—Dayton souvenir book..... 10
—Executive committee meeting. 735
—Express rates, Protest against. 735
—Ladies' Auxiliary, The..... 735
—U. S. Express Co. answers.... 848
S. A. F.—Convention proceedings 201, 259
—Gardener, The ideal private... 260
—Horticulture in public schools, Teaching 216
—Retailers' methods, Improvements in 215
Society of Southern Florists.....1242
*Soil, Manurial requirements of. 89
Soot as a fertilizer.....1241
*Spireas, Hardy 1194
Sports 994
Springfield, O.....16, 110, 236
Steam, To heat a range with... 314
Street flower merchant, The.... 83
Subscribers, Important to..892, 942, 1000, 1056, 1098, 1148.
Suggestions for florists..885, 929, 979, 1047, 1089, 1135, 1185, 1233.
—Abutilon Savitzii 1233
—Azaleas 1185
—*Baskets, Christmas 980
—Bedding season preparations..1186
—Begonia Erfordii 1136
—Begonia Gloire de Lorraine.... 980
—Bellis perennis 1233
—Canna roots, Storing.....1234
—Cannas 1186
—Canna, Varieties of.....1234
—Christmas, After 1089
—Christmas, At the store before. 981
—Christmas greens 979
—Christmas, Preparation for.... 885
—Chrysanthemum 930
—Crimson Fountain grass.....1233
—Cyclamens 930
—Cytisus 1185
—Daffodils 1047
—Dahlias 1186
—Daisys, Shasta, and gaillardias 1047
—Deutzias 1186
—Display, Floral 885
—Dracaena terminalis 1089
—Dusty Miller 1233
—Geraniums 1090
—Grass, Crimson Fountain.....1233
—Grevillea robusta 1233
—Holly, The handling of..... 929
—Hyacinths, Roman..... 979
—Hydrangeas 1185
—Laurel wreathing 979
—Leucothoe sprays..... 979
—Lilies, Easter 1048
—Lobelia 1137
—Marguerites 1136
—Metrosideros 1185
—Mistletoe 979
—Needle pines 979
—Nierembergias 1233
—Pansies 929
—Pennisetum longystylum 1234
—Pepper, California 979
—Phlox, Hardy 930
—Plants, Stock 1090
—Poinsettias 1090
—Pot covers for plants..... 979
—Primula obconica 930
—Propagating bench, The.....1135
—Roses, Hybrid perpetual.....1185
—Salvia, A good dwarf.....1233
—Salvia splendens 1234
—Seeds 1185
—Seeds, The sowing of.....1135
—Spireas 1185
—Stevia 1089
—Verbenas 1233
—Vincas 1047
—Winterberries 980
*Sweet pea Coral Gem, New.... 532
Sweet peas, Forcing, in winter.. 266
Sweet peas in England..... 356
Syracuse, N. Y..160, 400, 558, 654, 772, 907, 1074, 1206.

T

*Table decoration, A French.... 483
Tacoma, Wash. 334, 464, 1162
Teilmann, Gunnar, abroad..... 268
Telegraph code for florists..... 590
Toledo, Ohio 79
Topeka, Kans. 587
Toronto..8, 152, 236, 268, *312, 376, 504, 562, 606, 687, 779, 939, 1102, 1150, 1244.
Toronto sympathy 358
*Totty, Chas. Henry..... 996
Twenty years ago..... .....634, 848, 1093, 1237

U

Ullrich memorial, An.....1148
Utica, N. Y..102, 380, 464, 610, 820, 893, 1028, 1070.

V

*Vaughan's Nurseries, Lake Geneva gardeners at 305
Vegetables for house with ground glass 314
Vegetables, Prices of indoor....1002
Verbenas, Rust and mildew on..1098
Versatile 10
Violet, The:—
—California violets, Diseased... 577
—Rhinebeck, N. Y., The violet industry at 576
—Seasonable notes 132
—Violet gall fly, The..... 270
—Violet troubles 889

W

*Wagon, A decorated 440
Wakefield, Kans. 560
Warren, O. 236
Washington..16, 147, 278, 322, 356, 410, 454, 487, 535, 582, 635, 694, 770, 860, 910, 998, 1064, 1145, 1244.
Washington florists, Outing of two 396
Washington, Pa..... 148
Water bugs in the benches..... 439
Weddding bells 1198
Welch Bros., Boston, Mass..... 446
West Grove, Pa..... 360
Windows of fashionable florists, The 886
Windows, To prevent frosting of. 886
*Wittbold watering system, The. 218
Worcester, Mass. 1217
*Wreath, A funeral 483

Y

York, Neb. 469
Yuletide.....892, 942, 1000, 1056

THE AMERICAN FLORIST

America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol, XXVII. CHICAGO AND NEW YORK, JULY 28, 1906. No, 947

THE AMERICAN FLORIST

TWENTY-SECOND YEAR.

Copyright 1906, by American Florist Company. Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

324 Dearborn St., Chicago.

Eastern Office: 1133 Broadway, New York.

Subscription, $1.00 a year. To Europe, $2.00. Subscriptions accepted only from the trade.

Volumes half yearly from August, 1901.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—WM F. KASTING, Buffalo, N. Y., president; H. M. ALTICK, Dayton, O., vice-president; W. J. STEWART, 11 Hamilton Place, Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. Twenty-second annual meeting at Dayton, O., August, 21-24 1906.

EXHIBITION—A grand national and general exhibition will be held March, 1907, under the auspices of the society.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual convention and exhibition at Chicago, November 6-12, 1906. WM. DUCKHAM, Madison, N. J., president; DAVID FRASER, Penn and Homewood Ave., Pittsburg, Pa., secretary.

AMERICAN ROSE SOCIETY.

Annual meeting and exhibition at Washington, D. C., March 13-15, 1907. ROBT. SIMPSON, Clifton, N. J., president; BENJAMIN HAMMOND, Fishkill-on-Hudson, N. Y., secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention and exhibition at Toronto, Canada, January, 1907. JOHN H. DUNLOP, Toronto, Canada, president; ALBERT M. HERR, Lancaster, Pa., secretary.

THE AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

Annual convention at Toronto, Ont., 1907. BYRON D. WORTHEN, Manchester, N. H., president; F. L. MULFORD, Harrisburg, Pa., secretary.

ASSOCIATION OF AMERICAN CEMETERY SUPERINTENDENTS.

Twentieth annual convention at Detroit, Mich., August 21-23. Headquarters at the Cadillac Hotel. EDW. G. CARTER, Oakwoods Cemetery, Chicago, president; BELLETT LAWSON, Paxtang, Pa., secretary.

AMERICAN PEONY SOCIETY.

Third annual meeting and exhibition at Ithaca, N. Y., 1907. C. W. WARD, Queens, N. Y., president; A. H. FEWKES, Newton Highlands, Mass., secretary.

Contents, page 10.

Index to Advertisers, 30.

Ready Reference Advts., 31.

Summer Cut Flowers.

Paper read before the Montreal Gardeners' and Florists' Club, July 2, 1906, by Alfred C. Wilshire.

As the amount of business done in winter cut blooms is ever increasing so in proportion is that done in summer flowers. This is owing largely to the introduction of new and improved varieties and the better cultivation of all. And again stock is handled better and placed in a more tempting form before the public. It is true that during the months of July and August comparatively little is done, but even then there is a vast improvement over 10 years ago. It is now necessary to keep a fair stock on hand at all times.

The following summer flowers I consider essential to the florists' trade, indeed the same will be found equally useful to the private gardener, or an amateur who wishes to provide a succession of blooms for house decoration or other purposes. The first available flowers in spring are the Dutch bulbs. It should be so arranged the previous fall that there need be no break between those forced and those coming in outside. Some may also be retarded by covering the frozen ground above them with litter and thus extend their season for 10 days or two weeks. The most important of the Dutch bulbs outside are the tulips. Their length of stem and variety of color makes them popular for decorative work. The Gesneriana type is particularly fine.

Tulips are followed by lilacs, which are liked by all and while they last can be disposed of in large quantities. The white is a special favorite. It needs to be picked long, with foliage and carefully handled. Where possible a plantation of the improved kinds should be made for future demand, which is sure to come.

Lily of the valley can now be had throughout the year and is considered almost indispensable. While in season outside a lot more can be handled owing to its cheapness. If some care is taken in its cultivation it is undoubtedly a profitable thing to grow. So well is it liked that when its season is past and we have to go back to the cold storage article there is little kicking at having to pay winter prices for it.

Then comes the peony, a flower that justly deserves the prominent place now given it. For large decorative work they are grand and if we are wise we shall prepare for an increasing demand. The white and light pink sell the best although this season the common red one was much sought for, likely because it was the first to come in. Spireas of the Japonica type come in about this time and are very handy for madeup work. Every establishment should have a plantation of them.

Sweet peas: These are probably the most popular of all summer flowers. They have many good qualities while their comparative cheapness puts them within reach of all. There are many excellent varieties. It is not advisable, however, to grow too many kinds, choosing only those that harmonize best. Here I would like to mention that pretty little flower that goes so well with sweet peas, the Gypsophila paniculata. With a bunch of garden flowers or in madeup work it imparts a grace and beauty that nothing else will. It should be grown in every garden.

The aster in its various forms provides us with a succession of blooms till the late fall. While we are always glad to have them they seem most appreciated when brought in about the time that the most tender things are cut by frost. A sowing of Semple's Branching put in at the end of May will come in good for this. The cut and come again stocks Princess Alice and Beauty of Nice are fine for loose or madeup work. An early batch inside and later outdoors will give a good account of itself.

Gladiolus though not as a rule selling very well is a good showy thing to brighten up the window. The tips of the light shades are handy for funeral work. Lilium speciosum, L. album and L. rubrum are particularly useful, coming in good for sprays or cut short for madeup work. Arranged over asters or other stiff flowers they are very effective. Though easily grown outdoors they should be taken into the greenhouse as the buds are ready to expand to avoid damage from wind or heavy rain.

Mignonette if planted out early from pots will be in good shape for cutting now. Nothing helps more in making up an acceptable bunch for the sick room. Antirrhinum, dianthus, Phlox Drummondi, and candytuft are all good for cheap bunches.

In the late fall when nearly everything else is gone the pansy is nice when cut with foliage. A late sowing in spring will come in for this purpose and pay well. Among the best perennials for cutting are the campanulas, gaillardias, coreopses, helenium, rudbeckia and Iceland poppies. Many of the others though showy do not stand long cut. The white swainsona grown inside flowers continuously through the summer and is one of the most useful of all white flowers.

Indoor roses are now much better through the summer than formerly. Those received from the west are free from mildew and of very fair size. The best pink is undoubtedly the Canadian Queen and the best white is still the Bride. Kaiserin is soft and a poor keeper. The best carnation to stand the heat seems to be Enchantress. Some now coming in, though a little off color, are still excellent flowers. If we only had as good a white we would have little to complain of.

Grafting Pelargoniums.

The engraving represents a grafted pelargonium growing as a standard, the result of grafting scions of a variegated foliage variety on to a tall stem of an ordinary strong growing zonal pelargonium. As readers will see, the effect of a grafted pelargonium is much better than many would generally suppose, and apart from the interest which it would afford them, we think amateurs who have conveniences might with advantage adopt the method.

Although not customary to graft pelargoniums, the operation is by no means difficult. There are several methods, but the most eligible mode is that known as whip grafting. To accomplish this pot the stocks early in spring from 3-inch into 5-inch pots, and plunge them in a bottom temperature of 75°. In a fortnight they will have made fresh growth. Take off the scions as for cuttings, and as they have not been placed in heat the wood will be firm, which is all the better, as it is to be united to the firm wood of the stock. Cut off the head of the stock, leaving a few leaves upon a side branch a little above where the scion is to be inserted, which cannot be too low. Prepare the scion or graft by making a slanting cut downwards an inch in length, bringing it out a little below an eye or bud. Make a corresponding cut in the stock, removing the wood nearly half way through it, and then both cuts must correspond. Make a tongue or slit upwards in the scion, and downwards in the stock, so that the one may fit into the other. Bind tightly but not very closely with a shred of bast mat, taking care that the outer edges of the stock and scion coincide at least on one side. A little moss placed upon that and bound with matting will keep the part moist, and exclude as much air as is needed. In ten days loosen the matting, still keeping the scion bound to the stock, and close with the moss as before to keep it moist.

When the graft begins to grow keep the matting loose, and cut away the upper part of the stock down to the graft, as shown by the bar in the engraving. It is hardly necessary to observe that the stocks should be retained in the bottom heat, and should have a moist and shaded atmosphere until the operation is known to be successful. Gradually harden off, and the plants will be fit to plant out at the end of May. Crown or cleft grafting may also be practised, and when the stock and scion are of unequal size is an equally successful and more expeditious method.

Another mode of grafting pelargoniums is by approach or inarching. We have had half a dozen kinds upon one stock by this method. It is simply placing the stock near the plant furnishing the scion, and bringing the branch or shoot desired to the stock. Unite them at a smooth part of the stock by side or tongue grafting. Bind them together with matting, and upon this place a little moss, and bind lightly with matting. They will be well united in six weeks; then cut away the part of the stock above the graft, and take away the plant furnishing the scion, having cut the latter off just below the point of union.—S. T. in the Journal of Horticulture.

A Grafted Standard Pelargonium.

Journal of Horticulture.

PALMS AND FERNS.

Cultural Notes.

July weather usually brings about the proper conditions to stimulate the majority of palms into rapid growth, the warm days and frequently humid nights pushing these plants ahead in short order, provided they have been given suitable soil and proper attention.

And it is at this season that old specimens that were not repotted in the spring will be in need of some extra stimulant in order to encourage a better growth and color. Many different fertilizers are recommended for this purpose, the commonest and also one of the safest being barnyard manure in liquid form. The better plan when using this fertilizer is to strain the liquid before using, this practice avoiding the choking of the soil and drainage.

There is little danger of injury in the use of this liquid once a week in the case of root-bound palms, for barnyard manure is easily assimilated by these plants, but it is always a wise precaution when watering plants with liquid manure to make the application when the soil is not extremely dry.

Soot water is also sometimes used on plants of this character, the soot in question being that produced from soft coal. This fertilizer is rich in nitrogen, and usually builds up the color of the plants to which it is applied very rapidly, but it is advisable not to give too much nitrogen to these plants, from the fact that an over-supply of this manure is liable to make the foliage and stems brittle.

Dried blood is also a quick acting manure that contains much nitrogen and as such is of considerable value to the grower of various plants, but like the soot should be given in a cautious manner, or there may be other troubles to contend with. In some cases a top-dressing of old cow dung, with which has been mixed some bone flour, will do much to start along a palm that one cannot conveniently retub, plenty of water being given to wash the soluble portion of the manure down among the roots.

The very heavy rains that have so frequently occurred this summer have been quite a severe test for the shading material on the roofs of the palm houses, and thus increases the expense for that particular item to some extent, for at this time it does not pay to allow the glass to become bare for any great length of time, else the imperfect squares of glass, of which there are always some to be found, will so focus the rays of the sun that the best leaves of some of the plants are sure to suffer, and on a palm every leaf counts.

The observant grower usually finds what may be termed a secondary potting in some batches of stock by midsummer, from the fact that there were some young plants at the time of the spring potting that were not quite in condition for a shift. These having now made some growth both of tops and roots, will be found in condition for repotting, and this slack time furnishes a good opportunity for doing the work.

It pays to handle these successive lots of plants at the time they most need it, rather than either to pot them before they are in condition for it, or to make them wait until the houses are straightened up after the fall rush. Some of the early sown palm seeds, such as latanias and arecas may now be forward enough for potting off, and if so would better be handled without delay, for when these young plants are allowed to remain too long in the seed pots, they become thin and drawn, besides having such long roots that it is hard to disentangle them without breaking.

At the time of potting, these seedling palms should not have their roots exposed to the air any longer than is absolutely necessary, the young plants soon suffering from this cause. This exposure to the air, and the breaking of the tender roots by careless potting are the most prolific causes of the young plants

rotting off at this stage of growth, though it must also be allowed that over-watering frequently adds to the trouble.

Syringing should be thorough and vigorous on every bright day at this season, for thrips and red spiders are waiting for a chance to do their nefarious work, but there are days during the summer when the houses are better without water, owing to cloudiness and humidity, and it is on such occasions that the good judgment of the grower should be exercised.

Insects propagate very rapidly at this season, and regular fumigations with some of the nicotine preparations will be found decidedly beneficial in the palm houses, these preparations seldom having any injurious effect upon the foliage unless used in unreasonable quantities. Tobacco extract also has value as an insecticide, but is injurious to the foliage of some palms when frequently used, and when this extract drains down into the soil it probably affects the roots of most plants to a greater or less extent.

The nicotine papers are also useful in the fern houses, where an occasional fumigating is needful to keep the plants free from thrips and other insects. There is possibly less trouble from thrips on the young ferns when they are kept in cold frames during the summer months, but if this pest does get a foot-hold in the frames there may be more trouble in eradicating it there than in the greenhouse, from the fact that it may get further ahead in the frame before it is noticed. But whether the young ferns are grown in frames or in greenhouse, they must always be kept moist and given an abundance of fresh air both day and night.

At this season the various varieties of nephrolepis are all growing very rapidly, and in order to get the best results the young plants should be repotted as they require it and given space enough to develop short and sturdy growth. To get such a growth both space and light are required, and plants that are being grown by such methods will use up a great deal of water, and must have it if they are to be kept in condition.

There are few ferns that are easier to grow than the nephrolepis, but yet this needs, and deserves, some care in treatment if the aim of the grower is to supply a critical market, such as the high class retail trade of one of our large cities, and such a trade usually demands a stocky and well furnished fern, the fronds of which have strong stems and good color, and the dealer presenting such plants is generally able to get a profitable price for them, even when some of the department stores are offering fine Boston ferns at 38 cents each.

W. H. TAPLIN.

AT THE JAMESTOWN EXPOSITION GROUNDS.
A rustic bridge.

Railroad Discrimination.

J. H. Small, Jr., of Washington, D. C., has departed for the Maine coast where he expects to thoroughly enjoy himself for the remainder of the summer. Before leaving the city, in discussing the prospects for a greater commercial Washington, Mr. Small said: "I would suggest that the Shippers' Association vigorously take up the shipping question with the railroad people. Under the present service it is almost impossible to get a direct shipment to Washington from the south by fast freight. This is discouraging to business, especially in the handling of perishable goods. To present this subject more forcibly, I think it is well for business men to give specific instances in their experience of discrimination against them and Washington, and for this reason I relate the following:

"Every winter our firm orders thousands of dollars' worth of wild smilax from Alabama and Georgia. In order to insure its arrival with any degree of certainty as to time, we are obliged to have it dispatched by express. If sent by fast freight, it is necessary, owing to present railroad discrimination, to have it forwarded first to New York, and from that point reshipped to Washington.

"One can readily see the inconvenience as well as the expense involved in this method. Another point—articles of a perishable nature, intended for other large cities than Washington are surrounded, during the transmission, with every safeguard to insure their speedy delivery, while those for Washington are treated with the most indifferent handling.

"A short time ago we ordered a carload of rhododendrons. Not over 10 days at most should have been required for their transmission to us. They were not delivered for a month after having been started on their way. The invoices, however, were duly received, but notwithstanding this, the perishable plants had been sidetracked between Baltimore and Washington. In consequence of this delay the rhododendrons all died on being planted, and we were obliged to replace them at our own expense, the railroad refusing to indemnify us.

"These plants were to fill a large order for a valued customer. He was necessarily disappointed and annoyed, and we lost his trade in consequence, without any fault of our own. Thus we sustained the loss of the plants in addition. This and similar experiences, causing us annoyance and loss, have prevented us from encouraging a most lucrative branch of our business.

"It is absolutely essential for the solid progress of the city's commercial and industrial interests that the railroads grant us a through freight service to all parts. Until the railroads are made to see how crippling to our mutual interests are the present arrangements, commercially, Greater Washington will remain a theory."

S. E.

ON THE JAMESTOWN EXPOSITION GROUNDS.
A group of hydrangeas

THE ROSE.

Disbudding, Watering, Etc.

Just at present, and for several weeks to come, the work in the rose houses varies but little. Cultivating, tying, and disbudding being about the routine of the work for a while. It may be advisable to state that the disbudding should be intelligently handled, as this particular work is the only means we have of building up a good stocky growth.

Do not take the buds until they are about the size of the tip of the little finger; at this stage the eyes along the stem are prominent enough to discern easily the proper joint at which to cut back. The eye should be plump, and the proper eye may be near the top or several joints below the bud, as there are seldom two alike, but a little careful observation when disbudding and watching the results from time to time will soon enable the grower to tell at a glance how and where to cut. By just snipping out the bud alone the plants will become very dense in growth, and the growth will be twiggy. After a plant once gets in this condition the only real salable flowers that will make their appearance will be a case here and there from the soil.

Another thing that is liable to give some trouble is the green scum that frequently accumulates on the surface of the soil. This is more noticeable after several rainy days or continuous cloudy weather, again where the soil is naturally a little sour, this scum or fungus growth will spread rapidly. If this should be the case a light sprinkling of air-slaked lime thoroughly stirred into the soil before watering will often be of some benefit. The walks and the spaces beneath the benches should be sprinkled frequently with the lime also. This has a tendency to keep the atmosphere pure and at the same time it acts as a check to various kinds of fungus growth, often preventing in a measure cases of mildew or black spot. It is better to prevent the various diseases than to wait until a cure must be accomplished. There is seldom a case where mildew or black-spot gets the upper hand, where the grower has really tried his level best to prevent it. Do not wait for signs before applying the preventive.

Syringing with considerable pressure at the nozzle must be the rule from now on, allowing the spray to reach the under side of the foliage, reaching well in among the plants when syringing. Very often there may be a few red spiders lurking on some of the older foliage just waiting for a chance to multiply. Richmond will require the most careful syringing for, like our old friend Meteor, the form of the leaves being very much concaved underneath, it makes an excellent cover for spider.

Do not keep the soil too wet. Try to give the plants just enough water to have them require a watering daily; and until the soil is well filled with roots it will be found necessary to water the young plants individually. All the attention we can possibly give the young plants now will lessen the chances of failure later when it becomes much harder to stimulate rapid growth.

E.

THE CARNATION.

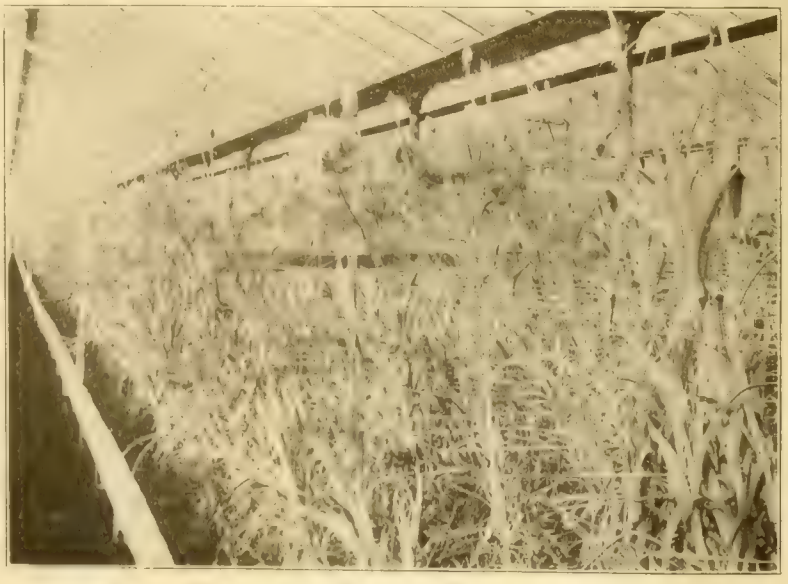
Seasonable Notes.

The extremely dry weather prevailing in the central states has had the tendency of checking carnations in the field to a certain extent and may delay housing them for a week or two, as it is extremely dangerous to lift plants in the field when they are in a half-wilted condition and then to transport them to the houses with hardly any earth about their roots and plant them in a temperature of about 100°. Under such circumstances it is better to wait a week or 10 days if necessary for more favorable weather conditions and then rush the work.

Meanwhile the benches should be gotten into shape and everything made ready for the planting. The plants in the field should be looked over very carefully and pinched as needed. Pinching back the plants after planting in the houses until the middle or latter part of August according to the size and condition of the plants will insure a good crop of blooms beginning Oct. 1.

The plants that have been kept in the houses need every possible attention. The surface of the soil should be kept loose and the weeds kept down. If the soil in the benches shows a tendency to get sour or hard a liberal application of air-slaked lime should be applied just after stirring and should then be watered into the soil. This application sweetens the soil and will prevent stem rot taking hold.

If the plants that have been kept indoors all season are not as large as those in the field, it need cause no apprehension. The field grown plants as a rule are more robust at the time of planting in the houses, but before they become established the indoor grown stock will



CARNATION WINSOME AT JOHN REIMEL'S, WOODHAVEN, N. Y.

be much ahead and will produce a better grade of blooms early in the season.

Fumigating should be kept up even if the presence of green flies has not been noticed. It is good practice to fumigate once about every 10 days or 2 weeks. In regard to what to use it is sometimes dffiicult to choose as there are so many preparations on the market.

F. R. PIERSON CO.'S ESTABLISHMENT, SCARBORO, N. Y.
New greenhouses in course of erection.

We have found nicofume as good as any we have ever tried. It is easy to handle, very effective and perfectly harmless to the plants. J.

WITH THE GROWERS

F. R. Pierson Co., Tarrytown, N. Y.

At the establishment of the F. R. Pierson Co., at Scarboro, N. Y. The building of two additional iron frame greenhouses is approaching completion. The houses are each 55x350 feet and with the previously existing house of about the same size, quite an impetus will be given the firm's carnation business, inasmuch as all three houses are to be utilized for growing carnations. The old house is already planted, and contains the new variety Winsor exclusively, some 14,000 plants being benched. The new houses will be planted with the varieties Helen Gould, Variegated Lawson, White Lawson and Enchantress, plants of which are in the field in readiness for benching. A new propagating house was recently completed, built by the firm's employes, a very creditable piece of work. It is 25x135 feet with concrete walls and cement floors, and in semi pit formation. The masonry work could hardly be beaten by union experts.

The recent addition to the nursery, comprising 27 acres, is being cleaned up, and enough locust posts are coming from it to completely bench the new greenhouses. Four acres of the new land have been planted with dahlias, the stock covering 125 varieties. When all improvements are completed, the establishment will be one of the largest, if not the largest, along the Hudson river.

John Reimels, Woodhaven, N. Y.

John Reimels, of Woodhaven, L. I., N. Y., has just completed three new houses, built on the site of three old ones just dismantled, and now has them ready for carnations for the coming season. The new houses are equipped with concrete benches. A visit to this establishment is highly interesting to any carnation enthusiast, some of the finest blooms to be found in the New York market being cut here. The standard varieties grown are Enchantress, Governor Wolcott, Genevieve, Lord, and Harry Fenn. These have for a long time given the best of satisfaction, both in point of productiveness and quality of flower. Novelties to be seen are a variegated Lawson, and Winsome, which is a beautiful light pink shown for the first time at the Boston show last spring, where it was awarded a preliminary certificate. This carnation was a seedling, originating in the establishment, and is now in its fourth year. Blooms of this variety sent to the market recently, measured 42 inches in length of stem. It is a profuse bloomer, and a vigorous grower as may be seen by the accompanying photograph. It will probably be disseminated next year. There are also two crimson seedlings to be seen here which have been on trial for two years or more. They are very promising.

European Horticulture.

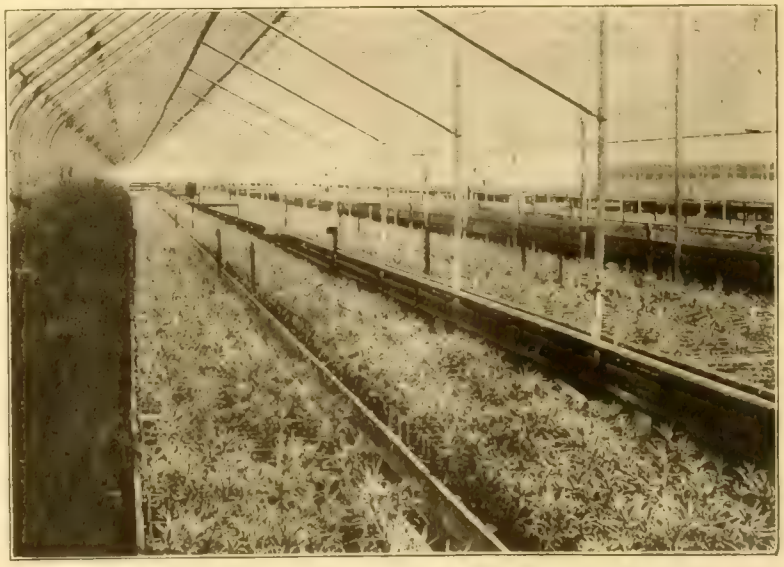
FROM THE BRITISH TRADE PAPERS.

CORNUS ALBA SPAETHII.—Of the numerous deciduous, ornamental foliage shrubs, none have greater claims on the attention of the gardener than this, for it is particularly effective throughout the whole year, and is one of the easiest possible shrubs to cultivate. When destitute of leaves, the bright red bark is conspicuous, while, when in leaf, the color of the foliage is unequaled by that of any other shrub. The major portion of the leaf is golden, the other part being made up of two shades of green, the green and yellow intermixing in an irregular manner. For planting in beds or masses it is very useful, while groups in beds or shrubberies have a very bright effect. Mature plants are often five feet to six feet high and as far through, but it does not attain that height quickly, and by pruning it is possible to keep it half that height with little trouble. With regard to soil it is not fastidious, sandy loam being better than soil of a very rich nature. To increase it, cuttings of ripened wood may be inserted in the open ground in autumn in a similar manner to currant cuttings, or branches may be layered.

LATE PROPAGATION OF BEDDING PLANTS.—Many practitioners, who have been compelled by circumstances to resort to late propagation for completing the stock of bedding subjects, must have been surprised at the splendid results that may be achieved in a short time, say, after April is in. With increased sun heat and growing power in the atmosphere, cuttings strike with a rapidity, and divisions form roots with a facility altogether unknown to early March, or late February, the favorite time for propagation. Pelargoniums, particularly the foliage varieties, marguerites, tradescantias, coleuses, and that useful plant which many still call Anthericum variegatum, but which Kew tells us is Chlorophytum elatum variegatum, may all be propagated after April is a week old, and will give good stuff for bedding out at the end of May.

IVY-LEAVED PELARGONIUMS.—The popular ivy-leaved geranium is employed in a great variety of ways, both indoors and outside, but only once have I seen it used to cover wire netting. The netting was about two feet six inches high, and ran at the back of a narrow border in an amateur's garden. At its foot, about 18 inches apart, ivy-leaved pelargoniums were planted at the end of May, and when I saw the garden at the middle of August the wire was clothed with foliage and blossoms, although dozens of trusses were picked each week. I can strongly recommend this method of growing ivy-leaved pelargoniums to anyone who has a suitable site for trying the experiment. Of course, any plant used in front of the wire should be very dwarf.

A NEW POPPY.—One of the most beautiful varieties of the eastern poppy (Papaver orientale) we have seen of recent years is named Queen Alexandra. It was shown by Amos Perry, Winchmore Hill, London, N., at a recent meeting of the Royal Horticultural Society, when it was given an award of merit. The flower is of the cupped form, which is quite a distinct feature, and the blotches are intense in color. The color of the petals is a warm salmon, touched with scarlet, a very beautiful mingling of shades.



F. R. PIERSON CO.'S ESTABLISHMENT, SCARBORO, N. Y.
House of Winsor carnations, 14,000 plants.

THE RETAIL TRADE

Alex. McConnell's New Store.

After a sojourn of many years in his old gardens at 546 Fifth avenue, New York, Alex. McConnell is established in new quarters at 571 Fifth avenue, having the largest store in the Windsor arcade. The store is 100 feet long by 25 feet wide, with mosaic floor and white finished walls. It is handsomely furnished. The show counters are of marble and bronze. There are two offices and a small reception office. A handsome white refrigerator with four doors is located near the front window. A large stock of specimen palms is distributed to advantage on the floor, and along the arcade front, which has several windows, a number of pieces of garden pottery, many of large size are displayed. The basement is of equal size with the store and is used for storage of supplies and auxiliaries. It has a convenient exit to a large corridor on which tracks are laid to an elevator at a separate entrance from Forty-sixth street, used for the entry of heavy goods. The new establishment is quite an addition to the many fine stores on Fifth avenue.

Louisville.

BUSINESS FAIR.

Business the previous week remained fair for July; however, it could have been much better. Lots of rain is helping outdoor stock which with but few exceptions is looking very satisfactory. Thrips have damaged quite a number of carnations in the field. Roses of quality are in fair supply, with a satisfactory demand. Carnations are small but good for this time of year. The supply and demand remain fair. Sweet peas are about over, and the season has been generally satisfactory. Lilium auratum of satisfactory quality is in good demand and supply. Shasta daisies move satisfactorily and are of good quality. The supply is adequate. The demand for hardy phlox is very good, but not near heavy enough for the supply. Green goods are in fair supply. Other stock is in fair supply, and has a demand up to expectations.

NOTES.

The Kentucky Nursery Co. is incorporated with a capital of $30,000, divided into shares of $100 each. The incorporators are F. Boone Gardiner, 215 shares; M. L. Gardiner, 10 shares; and R. L. Cullen, 75 shares.

Members of the Kentucky Society of Florists (jot it down right now) will hold their next regular meeting August 7. It is your duty to attend.

Wm. Walker has a bench of Richmond roses that would make anybody happy. There will surely be something doing next fall.

Ben Eschner, of M. Rice & Co., Philadelphia, was a caller Saturday with a choice line of goods.

Geo. Thompson's houses in the country are now about glazed, and his boiler will soon be in.

F. Walker & Co. have started housecleaning. F. L. S.

ALLEGHENY, PA.—E. C. Ludwig, wife and two sons have gone to Atlantic City, N. J., on their vacations.

FLORAL URN OF AMERICAN BEAUTY ROSES AND ASTERS.

By Harry Rowe, Chicago, who recently made a similar design, using carnations in place of asters.

Kansas City.

THE MARKET.

The market the past week has been practically featureless. A visit to the different stores invariably impresses one with the scarcity of stock and most of that to be seen worth mentioning is that which is shipped in. On account of the few dry weeks in the early part of the season a prevailing scarcity of the usual summer flowers is noticeable. Consequently what staple flowers are usually in stock are pretty well cleaned up each day. Weddings are a thing of the past and an occasional funeral order is all that can be looked for to fill out the daily work.

NOTES.

The regular monthly meeting of the Missouri Valley Horticultural Society was held August 21 with C. V. Holsinger, Rosedale, Kansas. The meeting was well attended. After the business was transacted a good dinner was provided and every one left complimenting Mr. Holsinger's hospitality.

W. J. Pilcher, of St. Louis, was a visitor last week. Mr. Pilcher recently disposed of his place in Kirkwood, Mo. He is quietly looking about for a good violet market.

Rube Radcliffe, of W. L. Rock Flower Co.'s greenhouse, is unable to be about on account of sickness.

A Broadway millinery house fire August 19 for a time threatened the store of Samuel Murray. But owing to the good work of the firemen the conflagration was confined within the walls of the millinery company's building.

Quite a number of cereus plants have put forth their blossoms recently—one in particular, the property of a west-sider, produced seven perfect blooms, some of them measuring six inches in diameter.

Walter Birmingham, formerly florist to the A. R. Meyer estate, is now in charge of Samuel Murray's place. According to Mr. Murray's assertions Mr. Birmingham is making a very creditable showing at his place.

All records so far reported for big yields of wheat were broken this week when A. Burkhart, near Baker, Kans., threshed a 5-acre field which threshed out 56 bushels per acre.

Fred Fromhold is spending his vacation in the Ozarks. In a recent letter he boasted of his good luck one afternoon in landing 10 three pound bass.

W. J. Barnes expects to have a fine lot of asters. They are from 10 days to two weeks late this year says Mr. Barnes.

Robt. Tindall is again busy after his illness, looking after a fine lot of asters he expects to send to the market soon.

A. Ebberfield will enjoy a three weeks' trip to eastern cities returning by way of Dayton for the convention.

Ed. A. Humfeld is in Iowa this week; we are glad to learn that Ed. is having a good time, for he deserves it.

We are glad to note that R. S. Brown is improving and hope he may soon be able to again assume his duties.

Max. Eoller had the decorations for a new department store which was opened here August 21.

Geo. M. Kellogg was in St. Louis this week on business.

Where is Lawrence Schwager?

K. C.

San Francisco.

Like the falling of rose leaves, one by one, so are the ante-disaster florists leaving the bread line and again returning to trade lines. This week a new sign at 1814 Post street announces that Joe Goldstone, florist and decorator, has returned. For many years before the city's greatest misfortune a sign like this was posted in Sixth street, near Market.

Flower merchants in both this city and Oakland have had a most excellent trade this week, owing both to good fortune and bad fortune that came into the lives of two front rank citizens, one each of the two cities named. Last week, July 12, I went to the overland depot in Oakland with J. Seulberger, a prominent florist of Oakland and prominent as a member of the Order of Elks. We went to the depot on a train of street cars labeled "Melvin Special," carrying upwards of 200 Elks and a brass band, to cheer off for Denver Superior Judge Henry A. Melvin, who is not a florist but one of the best patrons of the trade in Oakland. It became known in Oakland several days before the announcement was made that everything in Denver was working all right for Judge Melvin, and thereupon all florists in Oakland, each of whom is an Elk, was put to work on beautiful floral designs. And when in the grand lodge meeting at Denver, July 17, it was announced that Judge Melvin was unanimously elected grand exalted ruler of the Benevolent and Protective Order of Elks he was conducted to the platform and soon surrounded by between three and four dozen elegant floral pieces from Oakland, and from this floral center he delivered his address of thanks.

The largest florist-funeral trade ever known in this city came to the florists this week, all having a liberal share. The decedent was General R. H. Warfield, a grand army man, head of the national guard of California, past department commander G. A. R. of California and Nevada, past senior national commander and president of the Tamalpias Scenic railroad. It seems he was beloved by everybody in the city.

JESSE WHITE.

NEW STORE OF ALEX. McCONNELL, NEW YORK.

INTERIOR OF ALEX. McCONNELL'S NEW STORE, NEW YORK.

St. Paul.

Trade continues very good considering the season and while there is a dull day now and then there are more days that find the stock men busy. Roses and carnations are not exactly scarce but it is hard to find any first class stock. Prices have held up very well on everything and the stores which have cut prices do not seem to do any better for it. Sweet peas and Lilium speciosum and L. auratum are in full swing now and with some very good asters coming in help out materially for a variety. Locally picked fern leaves are being used to a great extent here and give very good satisfaction when handled properly.

The many friends of Carl Johnson, who was with L. L. May & Co. for many years, but now with the Powers Dry Goods Co., were very sorry to learn of the death of his wife. Carl has the sympathy of all his friends in the craft in his sad bereavement.

A. Lauritzen has purchased the houses formerly run by Carl Peterson and will dismantle them and add a new house at Warrendale.

J. H. Wallace of Storrs & Harrison was a caller on the trade.

A. L. Vaughan, Chicago, with party passed through St. Paul on his way to camp at Spirit lake, Wis.

Visitors: A. K. Kerchner, Helena, Mont.; Ed. Neberrhein, Winnipeg Floral Co.; N. Clarine, Faribault, Minn.

Toronto.

TRADE EXCEPTIONALLY GOOD.

Trade so far this summer has been exceptionally good, and in fact has almost equaled midwinter business. The remains of Walter Barwick, K. C., and Mr. Pipon, who were victims of the Salisbury wreck, were brought home this week and a large number of floral tributes were sent to both parties, giving the florists a very busy day. Stock still holds up very well, and in roses especially this market is better supplied than in former seasons. American Beauty, Kaiserin, Chatenay, Canadian Queen and Richmond roses are all in fairly good shape, while Bride and Bridesmaid blooms are only of the usual mid-summer qualities. Carnations are fairly plentiful. Lilies are over abundant, and asters and sweet peas are now arriving in larger quantities. In greens there is the usual assortment.

NOTES.

The Canadian Horticultural Association will meet in Guelph on August 29 and 30. The cheap rates which can be had to Toronto on these dates, and the short distance between Guelph and this city should enable all visitors to reach that place at a very reasonable expense. A very good programme has been arranged and the Ontario Agricultural College situated in Guelph should not only prove interesting but also good useful information to the visitors.

H. H. Groff, the hybridist and gladioli specialist of Simcoe, Ont., has already started shipping in quantities. Every customer has been favored with a pamphlet on "Cultural Instructions and Care of the Cut Flowers" and, in his own modest way, Mr. Groff advises that the information is the most practical, comprehensive and valuable ever published, and that the paper should be preserved carefully for future reference.

John H. Dunlop and family are summering in their cottage at Rosebank. Miss Alice Dunlop is making a tour of the Muskokas.

Arthur Annandale, of the Steele Griggs Seed Co., is visiting British Columbia and will return to the city about September 1.

Geo. Manton and Geo. Mills had an enjoyable day fishing for bass, and had a good sized haul.

John McKerrighan has gone abroad combining both business and pleasure.

J. S. Simmons and wife sailed for London July 26.

Visitors: A. L. Jones, of S. S. Pennock & Co., Philadelphia; J. Stevens, London, Ont.; Dr. Rowe, Georgetown, Ont. H. G. D.

Mobile, Ala.

On reading the news of this city in one of your June issues my first thought was, Why, you must have been doing all the business here of late. But a telephone interview with the pioneers, C. Ravier & Sons, soon took the conceit out of me. "Trade dead. Man, we have been having the time of our lives here lately, sent out designs by the dozen every day." "All balsams?" "Not at all. You know what that would mean in this section," was the answer flashed back from the jovial Fred.

Of our lady artists Miss Maria Minge reports at least one wedding every day besides plenty of other work. Mrs. Goodbrad and Mrs. Green both report an excellent trade during June. Duplan and Thublin were more than satisfied and the Industrial Gardens, doing exclusively a plant trade, have had a fine season, but the dry period caused sales to shorten during May and June. This covers the leading retail trade here.

As to wholesale business this city can hardly boast of any strict wholesalers so far, although the Chatogue Greenhouses are bidding fair to become a factor in this line soon. This firm has undoubtedly had a good season, but being mostly growers of roses, carnations and chrysanthemums (no balsams) are naturally out of the market for a few weeks.

Your correspondent, "G. C." is not very complimentary to our sweet girl graduates in assuming that the raking of the garden in the shape of a commencement basket should be a thing perfectly beautiful to her generally refined taste.

How does "G. C." manage the thrips when they are within reach of hydrocyanic? Thrips seem to be rather a troublesome pest to exterminate with hydrocyanic acid gas unless you want to make a clean sweep of plants and all.

PHONE 969.

Harrisburg, Pa.

Louis Salingre, gardener to Senator J. D. Cameron at "Lochiel Gardens," will enter into partnership with G. Hanson at 1023 South Cameron street. Mr. Salingre is a thoroughly up-to-date grower and should make a success in his new departure.

Harry Miller will add a new house, 20 x 200 feet, to his lately remodeled plant. This gives Mr. Miller quite a big range of glass which is devoted to roses almost entirely.

J. D. Opperman, Camp Hill, intends adding considerably to his establishment, negotiations being under way for at least one large house with a possibility of more.

Samuel S. Parker, a well known grower, has taken charge of the Melrose Cut Flower Co. at 410 Market street, having assumed that position July 1. H.

Kennett Square, Pa.

Chas. Swayne had two of his mushroom houses blown down June 30. He had just built them and the loss was quite serious to him.

The mushroom men are quite busy putting in mushrooms and the mushroom spawn is coming in by the carload.

Ellis Marshall, of London Grove, has gone out of business and his place has been abandoned.

Harvey & MacDonald have built five mushroom houses on their new farm.

F. T. Way & Bro. are making extensive additions to their plant.

Chas. Walters has added a large new house to his establishment.

Worrall & Wilkinson are building two houses 33 x 150 feet.

San Angelo, Tex.

The dull season is on and there is nothing doing except a little funeral work once in a great while. In this pure and arid climate people do not get sick, but simply keep on getting older and older and if they did not get into an argument once in a while and then die with their boots on, they would have no use for wire designs at all. Even the poor "lungers" who come here to die can not make the ripple. They parade around for a while like a walking funeral and then to their utter disgust when they see that they are getting well instead of dying, they go into some business and become in the course of time wealthy, wild and wooly. If not the first, the latter sure. If you do not believe it, come and see. J.

Utica, N. Y.

TRADE VERY GOOD.

Local business has been very good during the past week, there being a few late weddings and a great many funerals. The florists received some large orders for the funeral of John M. Crouse, one of our most prominent citizens, who died in London, England, last week.

Seward Hakes and wife, of Ilion, are spending two weeks in the Adirondacks. Theo. Schesch, wife, and family, of the same place, are spending their vacation at Atlantic City, N. J. BUD.

NEWS NOTES.

WAKEFIELD, MASS.—N. F. McCarthy & Co. are building an addition 53 x 400 feet to their already large plant.

COUNCIL BLUFFS, IA.—J. F. Wilcox lately returned from Manitoba where he made some farm land investments in the Roblin district.

LOS ANGELES, CAL.—The Signal Hill Floral Co. has moved to 349 South Los Angeles street. The old address was only a few doors above.

DENVER, COL.—C. H. Garwood, of Cheyenne, Wyo., spent the week of July Fourth in this city, looking up stock and greenhouse building materials.

ELMIRA, N. Y.—R. G. Koenig, recently appointed superintendent of the United States Cut Flower Co., is having a new residence built on Fourteenth street.

GALVESTON, TEX.—Charles Eickholt was adjudicated bankrupt July 21. Date for first meeting of creditors is set for August 2. A number of northern firms have been caught.

ANACONDA, MONT.—Instead of repairing and altering the old Butte Miner building on West Broadway, which he bought recently, J. M. King, the florist, has decided to tear down and rebuild. He has already started the work of removing the old building and in its place there will be a four-story modern business block that will cost about $30,000.

HAMBURG, N. Y.—The sixth annual carnival of flowers under the auspices of the Baptist Dorcus Society will be held July 26-27 at the opera house. Premiums will be awarded in 24 classes.

CLARINDA, IA.—C. A. Welch has sold out to J. B. Pfauder, who has moved the greenhouses and rebuilt them on a concrete base. When completed this plant will be one of the most up-to-date in this part of the country.

INDIANAPOLIS, IND.—The contract for constructing the foundation for the new conservatory at Riverside park at a cost of $5,300 has been awarded. The board expects to get an appropriation for building the superstructure next year.

PETOSKEY, MICH.—Gustave E. Anderson has started some greenhouses here, over 8,000 feet of glass, under the firm name of The Petoskey Floral Co., with a store uptown. Mr. Anderson is very much pleased with the business so far.

SAN RAFAEL, CAL.—The following, illustrating the position of private gardeners in this section, is taken from a recent private letter: "Nearly everybody has curtailed expenses and most of the employers have laid off one-half or more of the usual help."

COLORADO SPRINGS, COL.—J. B. Braidwood of this city has sold his retail store to Miss Florence Kennedy, who has been very successful at Cripple Creek for the past few years. Wm. Clark assumes charge of the greenhouses once more.

WORCESTER, MASS.—The will of F. A. Blake, of Leicester, recently filed in the probate court, provides a gift of $1,000 to the County Horticultural Society, the income from which is to be used for medals to be awarded to originators of new varieties of fruits and flowers.

COLUMBUS, O.—Rose planting still continues, although most stock is now benched. Carnations look well in the field despite the dry, hot weather.—The members of the Florists' Club contemplate setting aside a day in the near future for a general outing at Buckeye lake.—Carl.

DES MOINES, IA.—A. G. Lozier has purchased the business of the New York Floral Co., at 405 Sixth avenue, and will consolidate it with his store at 316 Sixth avenue. Mr. Lozier is operating a store in East Des Moines and announces that he expects to open branch stores in other cities.

WHEATON, ILL.—E. T. Wanzer has just finished three new houses, each 200 x 233 feet, and a lean-to propagating house 200 feet long. Mr. Wanzer makes a specialty of carnations and has a fine start on his young stock. He expects to make a good showing of high grade blooms next season.

WINONA, MINN.—Chas. Siebrecht has given up the Central Greenhouses, and the Youmans' greenhouses, which were rented during the past year by Volbrecht Bros., have been taken down. Kirchner & Son have enlarged their rose section and made other improvements. The business of this firm during the past year was all that could be desired and is increasing every year.

PARKERSBURG, W. VA.—J. W. Dudley & Son are building one of the finest cut flower stores in the state. The building will be 22 x 110 feet with a 60-foot conservatory at the rear built with the latest improvements. The store and conservatory will be ready for occupancy about October 1.

MANCHESTER, MASS.—The annual rose show of the North Shore Agricultural Society took place on the grounds of the Essex county club June 27. Mrs. Jas. McMillan won the special prize for the best display of garden grown roses and Miss M. F. Bartlett the silver medal for the best table of roses.

MELROSE, MASS.—The twenty-second annual exhibition of roses and other seasonable flowers of the Melrose Horticultural and Improvement Society was held June 18. Some of the largest displays of roses were contributed by Mrs. C. G. Schaedel, Arthur M. Willis, President L. C. Wentworth, Mrs. Charles J. Braton and Rev. Thos. Sims.

DENVER, COL.—The flower business for the month has been very satisfactory, in fact, it has been about 30 per cent better than usual. The weather continues cool and stock has held out very nicely. Carnations are still arriving in good condition, also roses. Peonies are over and fine sweet peas are now coming in.—Platte.

CHEYENNE, WYO.—C. H. Garwood states that his business was fine this spring and is good now. Summer has been backward in this section this year, there being three light frosts in the last week of June. It does not seem much like summer here by looking at the plants outdoors. Mr. Garwood is building one house, 20x80 feet.

ROCHESTER, N. H.—M. H. Folsom has formed a partnership with H. J. Neilson of Portland, Me. They have hired the Benoit photographic studio building on Railroad avenue, which they will use as a plant and flower store. Mr. Folsom will have charge of the store and Mr. Neilson will attend to the greenhouse.

MURPHYSBORO, ILL.—Louis R. Allen has sold his greenhouses to J. E. Null, of Hillsdale, Mich. Mr. Allen will take charge of the Pomoma heading and stave factory, of which company he is vice-president. His successor is a practical florist and nurseryman. For 12 years he had charge of the landscape gardening of the Lake Shore railroad.

ST. PAUL, MINN.—The regular meet- of the State Horticultural Society was held June 26 at Saint Anthony park and several hundred people attended to listen to instructive talks on fruits and flowers. Professor S. B. Green and Entomologist F. L. Washburn were among the speakers. There was a good display of fruits, including strawberries, apples, gooseberries and currants.

STERLING, ILL.—The Sterling Floral Co. is having five of the old greenhouses, the first erected at the site of the present plant, torn down, and on the site of the same the company will shortly erect a new and modern greenhouse. The structure will cost close to $3,000 and will be used almost exclusively for the raising of carnations.

NORWAY, MICH.—At his summer home on the banks of Lake Antoine John T. Jones is building a large greenhouse. In the construction of the building there is being utilized the glass that was used for a number of years in the Ferris wheel, which was recently destroyed at St. Louis.

BLOOMINGTON, ILL.—The Phoenix Nursery Co. will soon start up a fine new retail florist's store in this city. Fred Rowe, who has had charge of the retail store of the Chicago Carnation Co. at Joliet, will be the manager. This concern is building 13 up-to-date greenhouses, some of which are to take the place of old structures.

HAGERSTOWN, MD.—At a meeting of the fair board held June 18, it was practically decided to erect a new floricultural building, providing the plans can be prepared and the building finished in time for the exhibition next fall. The board also decided to increase the amount of premiums in this department from $333 to $500, with a view of encouraging local and out-of-town florists to make even better exhibits than they have in the past.

NEW BELFORD, MASS.—The Horticultural Society held a very successful rose exhibition June 27 in the city hall. The feature of the exhibit was the collection of hybrid perpetuals from the gardens of Miss Fay, displayed by M. H. Walsh, gardener to Miss Fay. Mr. Walsh has 7 acres of roses under cultivation, and 700 of the choicest blooms were shown. Miss Fay was awarded a silver medal. Jas. Garthley, gardener to H. H. Rogers, also had a notable collection.

MONTREAL, QUE., CAN.—The summer exhibition of the Horticultural Society took place June 28, at Mrs. Molson's beautiful home "Piedmont." Geo. Trussell, gardener to Mrs. Molson, was awarded first prizes for his displays of aquilegia, campanula, iris, perennials, pansies, cauliflower and peonies. C. A. Smith, gardener to T. A. Dawes, was awarded first prize for a display of delphinium. T. Pewtress was awarded first prizes for digitalis, violas, self-colored pansies and hardy roses.

MINEOLA, L. I.—The estate of Ferdinand Boulon, the Sea Cliff florist, who died last March, promises to be a matter for litigation upon the arrival in America of a power of attorney from Mrs. Boulon, who resides in France. Boulon left his estate, estimated at between $25,000 and $50,000, to a woman name Irma Leanor, who had resided with him for many years. Boulon left his wife in France 25 years ago and came to America to seek his fortune.

CLEVELAND, O.—Mrs. Louisa Kline Miller, of the Home Gardening Association, has made application to the board of education for a greenhouse at the Rosedale school where the association has established a center for the cultivation and distribution of plants to the other schools. Director Orr has already allowed funds for a toolhouse on the lot where the pupils may learn plant grafting and care of the plants, and it is planned to have a model garden, including floral sun dial and other beds.

THE AMERICAN FLORIST

TWENTY-SECOND YEAR.

Subscription, $1.00 a year. To Europe, $2.00
Subscriptions accepted only from those in the trade.

Advertisements, on all except cover pages, 10 Cents a Line Agate: $1.00 per inch. Cash with Order.

No Special Position Guaranteed.

Discounts are allowed **only on consecutive insertions**, as follows—6 times, 5 per cent: 13 times, 10 per cent; 26 times, 20 per cent: 52 times, 30 per cent.

Space on front pages and back cover page sold only on yearly contract at $1.00 per inch, net.

The AMERICAN FLORIST Advertising Department is for florists, seedsmen and nurserymen and dealers in wares pertaining to those lines only.

Orders for less than one-half inch space not accepted

Advertisements must reach us by Monday to secure insertion in the issue of the same week. Address

AMERICAN FLORIST CO., Chicago.

When sending us change of address always send the old address at the same time.

We do not assume any responsibility for the opinions of correspondents.

THIS ISSUE 44 PAGES WITH COVER.

CONTENTS.

Summer cut flowers 1
Grafting pelargoniums (iflus) 2
Palms and ferns—Cultural notes 2
Railroad discrimination 3
The rose—Disbudding, watering, etc 4
The carnation—Seasonable notes 4
With the growers 5
—F. R Pierson Co., Tarrytown, N. Y. (illus.) 5
—John Reimels, Woodhaven, N. Y 5
European horticulture 5
The retail trade 6
—Alex. McConnell's new store, New York (illus.) 6
—Urn of American Beauty roses and asters (illus.) 6
Louisville 6
Kansas City 6
San Francisco 7
St. Paul 7
Toronto 8
Mobile, Ala 8
Harrisburg, Pa 8
Kennett Square, Pa 8
San Angelo, Tex 8
Utica, N. Y 8
News notes 8
The Dayton souvenir book 10
Chrysanthemum Society of America 10
Loss of Anton Schultheis, Petersburg, Pa 10
Greenhouse building 10
Versatile 10
Coming exhibitions 10
Meetings next week 11
Obituary—Max Munte 12
—Joseph Forsyth Johnson 12
Chicago 14
St. Louis 14
Philadelphia 16
Boston 16
Washington 16
Springfield, O 16
New York 18
Baltimore 18
The seed trade—Nebraska seed crops 22
—Connecticut seed crops 22
—Onion sets at Louisville 22
—Free seed distribution 22
—European seed crops 22
—About shipping onion sets 23
—The spring business 23
Glen Cove, N. Y 24
The nursery trade—Pacific Coast nurserymen 26
—Care of transplanted trees 26
New Orleans 27
Columbia, Mo 27
Our pastimes—At Utica, N. Y. (illus.) 37
—Twin City florists' outing 37
—At Chicago 37
Special illustrations:
—Rustic bridge on the Jamestown exposition grounds 3
—Hydrangeas on the Jamestown exposition grounds 4
—Textile building on the Jamestown exposition grounds 26

J. B. HEISS was in New York last week on business of the S. A. F. exhibition which will be held at Dayton, O., next month.

THE columbine is again coming to the front as the national flower, the movement being pushed by the Columbine Association, the secretary of which is James Sturgis Pray, P. O. Box 2774, Boston, Mass.

The Dayton Souvenir Book.

To offset a wrong impression, created by a communication from a member of this club, recently published in the trade papers, we wish to state that the reference made to the publication of the Dayton souvenir being left to "private enterprise", was made without the knowledge of the actual conditions and does an injustice to H. M. Altick, in charge of this work.

We therefore, by action of this club, fully endorse H. M. Altick's statement of facts published in a recent issue of this paper, as correct in every respect, and herewith assure the patrons of the souvenir, and the members of the S. A. F. that their support of this publication will aid the Dayton Florists' Club in making a successful convention.

DAYTON FLORISTS' CLUB.
J. B. HEISS, Pres.
CHARLES LUTZENBERGER, Vice-Pres.
HORACE M. FRANK, Sec'y.
H. H. RITTER, Treas.

Chrysanthemum Society of America.

SPECIAL PRIZES.

W. Wells of Merstham, Surrey, Eng., offers gold, silver gilt and silver medals for six varieties of chrysanthemums, two of each on 12-inch stems. The following varieties are eligible in this competition: Mrs. H. Partridge, Mrs. D. Willia James, Merstham Crimson, Mary Ann Pockett, Beatrice May, T. Richardson, Mrs. Heaume, E. J. Brooks, Mrs. F. F. Thompson, Mrs. Wm. Knox, Mrs. J. E. Dunn and Miss May Siddon.

Prizes of $50, $25 and $10 are offered for 12 blooms on 24-inch stems, for the best seedling or sport not yet in commerce. The color to be white, pink or yellow, the name to be given by the donor of the prize.

Charles H. Totty offers prizes of $12, $8 and $5 for 12 blooms in 12 varieties, stems not over 12 inches long, introductions of 1906. Open to all.

F. R. Pierson offers a silver cup for 36 chrysanthemums, six varieties, six blooms of each, introduced in America in 1905 and 1906.

Nathan Smith & Son offer $25 for best 24 blooms of American origin, introductions of 1904, 1905 and 1906; three varieties, white, pink and yellow, eight blooms of each shown in separate vases.

Vaughan's Seed Store offers a silver cup, value $15, for the best specimen **bush** chrysanthemum plant, which has not received any other award. Open to private gardeners only.

DAVID FRASER, Sec'y.

Loss of Anton Schultheis, Petersburg, Pa.

Anton Schultheis, College Point, N. Y., writes as follows with regard to the recent serious damage by hail to the greenhouse establishment of his cousin, Anton Schultheis, Petersburg, Scranton, Pa.:

"The party in question is a cousin of mine, only five years in business. I went to his place right after the storm and there was practically nothing left of the glass beyond a few panes and all the plants were more or less totally wrecked. He, or anybody else around that neighborhood, was not insured against hail so he deserves the sympathy of the trade. None of the other florists were in the line of the storm. I sent my cousin a lot of plants to help him stock up and if you could get some friends to help him a little with some carnation plants in September or at the end of August, it would be a great benefit to him. He is now reglazing and any help at all will be gladly received. His local brother florists, about 20 in number, are going to help with the glazing. A local carpenter has offered him free services with his men for a week.

"My cousin was born in Taylor county, Pa., on the farm of his father, Henry Schultheis. Two years ago he was flooded up to the top of the benches. I call this second misfortune hard luck. The name and address is Anton Schultheis, Petersburg, Scranton, Pa."

ANTON SCHULTHEIS.

College Point, N. Y., July 19, 1906.

Greenhouse Building.

Topeka, Kans.—B. E. Rodman, addition to greenhouses, to cost $400.

Celina, O.—Ernsberger Bros., of Decatur, Ind., plant requiring 10,000 feet of glass to cost $15,000.

Minneapolis, Minn.—University of Minneapolis, one greenhouse to cost $9,500.

Chambersburg, Pa.—Byer Bros., three carnation houses, each 25 x 100 feet.

Cheyenne, Wyo.—C. H. Garwood, one house, 20x80 feet.

Cohoes, N. Y.—H. H. Sault, several new additions.

Hartford, Conn.—Wm. Myers, one greenhouse in Webster street.

Wakefield, Mass.—N. F. McCarthy, an addition 53 x 400 feet.

Kennett Square, Pa.—Worrall & Wilkinson, two houses, 33 x 150 feet each; Chas. Walters, one house; Harvey & MacDonald, five mushroom houses.

Harrisburg, Pa.—Harry Miller, one house, 20 x 200 feet; J. D. Opperman, one large house.

Lowell, Mass.—Patrick J. Riley, one house, 33 x 150 feet.

Versatile.

W. C. Cook, manager of the Dunkley Floral Co., Kalamazoo, Mich., sends us as a literary curiosity a clipping from the Kalamazoo Gazette of July 14 showing an advertisement of a man who claims to be a landscape gardener, grader, repairs and cements cisterns, builds cement walks, does carpenter work, painting, mason work, tree trimming, etc., and all work guaranteed.

Coming Exhibitions.

[Secretaries are requested to supply any omissions from this list.]

BOSTON, MASS., September 5-6, 1906.—Annual plant and flower exhibition Massachusetts Horticultural Society. Address Wm. P. Rich, Horticultural hall, 300 Massachusetts avenue, Boston, Mass.

BOSTON, MASS., November 2-4, 1906.—Chrysanthemum exhibition Massachusetts Horticultural Society. Address Wm. P. Rich, Horticultural hall, 300 Massachusetts avenue, Boston, Mass.

CHICAGO, November —, 1906.—Annual exhibition Horticultural Society of Chicago. Address Willis N. Rudd, Blue Island, Ill.

NEW HAVEN, CONN., November 6-8, 1906.—Annual exhibition New Haven County Horticultural Society. Address Thos. Pettit, 90 Prospect street, New Haven, Conn.

NEWPORT, R. I., August 13-15, 1906.—Annual exhibition Newport Horticultural Society. Address David McIntosh, Ledge Road, Newport, R. I.

PROVIDENCE, R. I., November 9-10, 1906.—Chrysanthemum and carnation exhibition Rhode Island Horticultural Society. Address C. W. Smith, 27-29 Exchange street, Providence, R. I.

RED BANK, N. J., October 31-November 1, 1906.—Ninth annual exhibition Monmouth County Horticultural Society. Address H. A. Kettel, Red Bank, N. J.

SANTA BARBARA, Cal., October, 17-18, 1906.—Chrysanthemum exhibit Santa Barbara County Horticultural Society. Address Thos. Poole, Santa Barbara, Cal.

TARRYTOWN, N. Y., October 30-November 1, 1906.—Eighth annual exhibition Tarrytown Horticultural Society. Address E. W. Neubrand, Tarrytown, N. Y.

WORCESTER, MASS., November 8, 1906.—Chrysanthemum exhibition Worcester County Horticultural Society. Address Adin A. Hixon, Horticultural hall, 18 Front street, Worcester, Mass.

Meetings Next Week.

Dayton, O.—Dayton Florists' Club, 112 South Main street, July 30.

Detroit, Mich.—Detroit Florists' Club, Cowie building, Farran and Gratiot avenues, August 1, at 8 p. m.

Lake Geneva, Wis.—Lake Geneva Gardeners' and Foremen's Association, News building, August 4, at 8 p. m.

Milwaukee, Wis.—Milwaukee Florists' Club, Quiet House, corner Broadway and Mason street, August 2, at 8 p. m.

Minneapolis, Minn. — Minneapolis Florists' Club, Latham's Conservatory, 83 South Tenth street, August 3, at 8 p. m.

New Orleans, La.—German Gardeners' Club, Fourth and Carondelet streets, August 1, at 8 p. m.

Newport, R. I.—Newport Horticultural Society, August 1.

Pasadena, Cal.—Pasadena Gardeners' Association, G. A. R. Hall, East Colorado street, August 3, at 8 p. m.

San Francisco, Cal.—Pacific Coast Horticultural Society, August 4.

Utica, N. Y.—Utica Florists' Club, Hotel Martin, August 2, at 8 p. m.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

Cash with Adv.

Plant Advs. NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1906 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

Situation Wanted—Young married man wishes position as rose or carnation grower; good references given. Address
Key 732, care American Florist.

Situation Wanted—By a young man as salesman in cut flower store; good decorator and designer; experienced in handling seeds, bulbs and plant trade. Address
Key 739, care American Florist.

Situation Wanted—As foreman, capable of taking entire charge of a large plant and having the work done in a practical way; first-class references as to ability and good wages expected.
Key 742, care American Florist.

Situation Wanted—As rose and carnation grower or as working foreman; well up in all branches of the business; A1 references for the past 17 years; married. State wages, etc. Address Key 736, care American Florist.

Situation Wanted—By a practical florist, German, single, extra good designer; in greenhouse or store; August 1; references O. K. State particulars and wages. Address
RUDOLF VON DER RUHR,
535 Water St., Port Huron, Mich.

Situation Wanted—As foreman; A1 man, first-class grower of cut flowers and plants; good designer; 28, single, have best of references. I would like to take charge of a retail place not less than 15,000 feet of glass. Please state wages in first letter. Key 733, care American Florist.

Situation Wanted—I have 14 years' experience in growing and propagating roses, carnations, 'mums and general plants, and wish to correspond with party wishing a reliable, steady, first-class grower or foreman; German. Good references. Please state full particulars, with wages.
Key 743, care American Florist.

Situation Wanted—Commercial or private; married, age 34, life experience; old country reference. Apply, stating wages, etc.,
X Y Z, Post office, Petrolia, Ont., Canada.

Situation Wanted—Gardener, single, wishes permanent position with private family; qualified to take full charge of greenhouses and ornamental foliage, plants and cut flowers; lawn work with fruits and vegetables a specialty; A1 reference. Wages expected, $50.00 per month all found. Address Key 734, care American Florist.

Help Wanted—Young lady for store. Address stating experience and wages wanted
Key 735, American Florist.

Help Wanted—A good rose grower; steady position. G. VAN BOCHOVE & BRO.,
Kalamazoo, Mich.

Help Wanted—A good carnation grower to take care of section; wages, $40, with board and room.
NIC. ZWEIFEL, North Milwaukee, Wis.

Help Wanted—A first-class carnation grower. Wages $45.00 to $50.00 per month; send references.
HASKELL AV. FLORAL CO., Dallas, Texas.

Help Wanted—Grower, good on carnations and pot plants. A. SUNDERBRUCH'S SONS,
232 W. 4th St., Cincinnati, Ohio.

Help Wanted—A man for general greenhouse work and who is willing to make himself generally useful under a foreman. Address
IDLE-HOUR NURSERIES, Macon, Ga.

Help Wanted—One good nurseryman and good propagator wanted at our nurseries; good wages to right man. VAUGHAN'S SEED STORE, Chicago.

Help Wanted—An all-around greenhouse man who has had 3 or 4 years' experience; no bums need apply; state wages and references in first letter. E. W. LESER, E. Akron, Ohio.

Help Wanted—A good greenhouse man, strictly sober; must be experienced where general stock is grown; German and single; wages, $30 to $35 per month, board and room. Address
Key 727, care American Florist.

Help Wanted—At once; good florist, able to take charge of 10 000 feet of glass; general retail business, located in Central Wisconsin. Steady position for the right man. Address
Key 744, care American Florist.

Help Wanted—Working foreman for eastern place of about 20,000 feet of glass, where tea roses mainly are grown; young married man preferred, looking for steady place and advancement, who can give references as to ability and habits; $75 a month. Key 745, care American Florist.

Help Wanted—About October 1, all-'round gardener; private place, small greenhouse, but mostly outdoor work; must be sober, reliable and well recommended; $45 per month, room and fuel.
J. S. BAKER, St. Croix Falls, Wis.

Help Wanted—At once, an experienced propagator of shrubbery and general ornamental stock; must understand the business thoroughly and come well recommended. Good position to the right party. L. GREEN & SON CO.,
Perry, Lake Co., O.

Help Wanted—By Aug. 1, good florist, able to take charge of place in absence of proprietor; must be good grower and propagator and willing to work; wages, $25 to $35 per month and board for man who can fill the bill.
PAUL LIEBSCH, Batavia, N. Y.

Wanted—A small second-hand refrigerator and counter for florist's store; must be cheap. Address W. W. COLES, Kokomo, Ind.

For Sale—Nine greenhouses, dwelling house and barn, 3½ acres of ground. For particulars address P. O. Box 109, Newtown, Bucks Co., Pa.

For Rent—Four greenhouses, 11,000 ft. glass, at Cedar Rapids, Iowa, stocked and in good repair. W. M. KEELEY, Washington, Iowa.

For Sale—5,000 ft of glass, VERY CHEAP, in a factory town of 5 000; no competition; sickness.
JAMES JOHNSTON, Dunkirk, Ind.

For Sale—Florist store, including 52-foot greenhouse and 4-room dwelling house on 125-foot lot. Steam heat. MRS. EMMA WALLENBERG,
148 W. 24th St, near Western Ave., Chicago.

For Sale or Rent—Greenhouse, consisting of about 7,000 feet of glass; steam heat, city water, fine dwelling house and barns; centrally located, street cars at the door. Only reliable parties need apply. J. ZENK, 473 Washington St.,
Winona, Minn.

For Sale or Rent—Store and five small greenhouses, with or without dwelling, on street car line; only florist in town; cause sickness.
548 119th St., West Pullman, Chicago.

For Sale or Rent—At Madison, N. J., 3 greenhouses, 18x100; 1 greenhouse, 16x50; all in good condition, stocked with plants, roses, carnations, smilax, lilies and soft stock. Will sell reasonable, as I have to attend other business. Address
FOLEY THE FLORIST, Madison, N. J.

For Sale—A paying florist's business, $3,000.00 per year, 5,000 feet of glass, store fixtures, tools and other accessories, at about one-half their value. House erected in 1903, Moninger material; in good repair, good for ten years' use; located in heart of city of 8,000 on ground leased until 1912; rental $93.00 per year. Complete stock. Place will pay for itself in two years. A snap to the person investigating now. Address
H. H. Cotton,
Nebraska City, Neb.

AN ARBORIST,

First efficacy, 34 years of age (married), desires to enter in relation with a person of the branch. Writer of this, desiring to be admitted as partner in an affair, will invest small capital, Letters postpaid to A. Z., Advertising offices of Swartsenburg, Gouda, Holland.

FOR SALE.

Heller Mouse Proof Seed Drawers, 5 sections, each containing 16 large drawers, 6 inches wide, 6 inches high, 9½ inches long. 48 small drawers, 4 inches wide, 4 inches high, 9½ inches long, in good condition, reason for selling, business demands larger size boxes, price $60.00

VAUGHAN'S SEED STORE, CHICAGO.

FOR SALE.

All or part interest in a good 8-house greenhouse plant at Des Moines, with 3 acres of ground. Good foreman there will retain working interest.

VAUGHAN'S SEED STORE
CHICAGO.

GLASS.

We have for sale a lot of 16x18 glass A. & B. D. S., at a low price.

A. DIETSCH CO.,
617 Sheffield Ave., CHICAGO.

An Exceptionally Good Opportunity in the South for a Young Man.

I have an established profitable business from which I have made a good income for years. It can be developed and made more profitable. I want to do work in other directions, and will take in one or two young men, one of whom must be a thoroughly competent grower, and the other (if two) must be a good business man with executive ability and capacity for looking after wholesale business with retail branches (already established). Both must satisfy me absolutely as to their clean character, earnestness of purpose, and willingness to work hard for reasonably sure and early success. Each must also be willing to put in a small amount of money, say a thousand dollars at least, upon satisfying himself of the sale character of the business. I will stay long enough to break in the new men, when I wish to retire from active management, retaining an interest in the business or selling out absolutely, as may be agreed upon. Key 740, care American Florist.

NOTICE

—OF—

STOCK HOLDERS MEETING.

CHICAGO, July 21, 1906.

Stockholders of the American Florist Company:

You are hereby notified that the annual meeting of the Stockholders of the American Florist Company will be held in the Beckel Hotel, Dayton, O., Wednesday, August 22, 1906, at 3 o'clock P. M., for the purpose of electing directors and officers for the ensuing term, and for the transaction of such other business as may come before the meeting.

J. C. VAUGHAN, Pres.
M. BARKER, Sec'y.

OBITUARY.

Max Munte.

Max Munte, who died at Cambridge City, Ind., July 13, at the age of 70 years, was one of the widely known men of this section, a fact due largely to his success as a grower of flowers and to his extensive knowledge of the languages. Some years ago, Mr. Munte's health began to fail and treatment had not benefited him. His chief trouble was rheumatism. A wife survives. Mr. Munte was a native of Germany but for many years he had been a resident of Cambridge City. He gave a great deal of his time to the study of botany and to various languages and was recognized as an authority on both subjects.

Joseph Forsyth Johnson.

Joseph Forsyth Johnson, we regret to note in The Florists Exchange, died July 17 at the Brooklyn hospital, Brooklyn, N. Y., aged 67 years. Mr. Johnson was known in this country as a landscape gardener and was best known in Europe as curator for a number of years of the Botanic Garden, Belfast, Ire. Mr. Johnson was a charter member of the Epping Lodge, F. and A. M., London, Eng., and one of its first officers. The funeral was held July 18, the services being in charge of the Masonic fraternity and the remains were interred in Evergreen cemetery, Brooklyn, N. Y.

LOWELL, MASS.—The old Shepard place lately conducted by P. R. Burt has been purchased by Patrick J. Riley, the well known nurseryman of this city, who is having the entire plant remodeled and is adding one house 33 x 150 feet. The entire plant is devoted to carnations and is in charge of Adolph E. E. Koch.

SILVER CITY, N. M.—Miss B. L. Boulware will have charge of the Hariston greenhouses, this city, the coming season. These greenhouses were started in July, 1903, as an experiment by Mrs. A. J. Adams and have grown into a fine business, as is proven by the fact that Miss Crawford, who leased them for one year, was sufficiently encouraged to contemplate erecting a plant of her own the following year.

Field-Grown CARNATIONS

6000 White Lawson, $6.00 per 100.

5000 Enchantress.	5000 Queen Louise.
1000 Bountiful.	500 The Belle.
5000 Pink Lawson.	300 The Crisis.
1000 Roosevelt.	200 Richmond Gem.
2000 Harlowarden.	500 Flamingo.
1000 Estelle.	200 F. Burki.
100 Eclipse.	

Finest in land, no stem rot, $5.00 per 100 $45.00 per 1000. Cash with order. W. Fargo, American, Adams, U. S. Express.

W. SABRANSKY, Kenton, O.

SEND FOR FREE SAMPLE OF MY

Fadeless Sheet Moss

EDWARD A. BEAVEN,
Evergreen, Ala.

New Crop Dagger and Fancy Ferns

$1.00 per 1000.

FOR EVERY OCCASION.

HARDY CUT DAGGER and **FANCY FERNS,** per 1000..1.00
Discount on large orders.
BRILLIANT BRONZE and **GREEN GALAX,** per 1000.. 1.00
10,000 lots $7.50.
BOUQUET GREEN, per hundred yards..... 7.00
LAUREL FESTOONING, good and full, 5c to 6c per yard
LAUREL WREATHS, per dozen..... 3.00
BRANCH LAUREL, per bunch.....$ .50
BOXWOOD, per pound..... .20
LEUCOTHOE SPRAYS, per hundred..... 1.00
GREEN and **SPHAGNUM MOSS,** per barrel 1.00
LYRATA, which makes a fine substitute for decorations for June.

Also headquarters for all Florists' Supplies, such as **Milkweeds, Wire Designs, Cut Wire,** all kinds of **Letters, Immortelles, Cycas Leaves,** sheaves of **Wheat, Ribbons, Corrugated Boxes** of all kinds, etc.

HENRY M. ROBINSON & CO., L. D. Phone 7618 Main. **8 to 11 Province St., Boston, Mass.**

Please mention the American Florist when writing

Extra Fine New Crop **FANCY FERNS** **$1.00 per 1000** Discount on large orders.

GALAX.....per 1000, $1.25

Send for our weekly price list on Cut Flowers.

MICHIGAN CUT FLOWER EXCHANGE

WM. DILGER, Manager. 38 and 40 Miami Ave., **DETROIT, MICH.**

THE AMERICAN FLORISTS CO.'S

Directory

FOR 1906

HUNDREDS OF NEW NAMES AND ADDRESSES.

AND contains the usual fully corrected and revised lists of Florists, Seedsmen, Nurserymen, Horticulturists, Landscape Architects, Parks, Cemeteries, Botanical Gardens, Horticultural Societies, Horticultural Supply Concerns of the United States and Canada, Leading Foreign Houses and much other valuable trade information. **Postpaid $2.00.**

AMERICAN FLORIST CO.
324 Dearborn Street, CHICAGO.

MOVED To Larger Quarters.

RICE BROTHERS,
128 N. Sixth St.

We are now located in our new place of business, directly across the street from old quarters. Have added a more extensive line of supplies, comprising the most complete stock carried by a supply house. Every facility to handle cut flowers in the proper shape, having chemical and ice storage.

FLOWERS BILLED at MARKET PRICES
Greens of all Kinds.

MINNEAPOLIS, MINN.

SOMETHING NEW Branches of the Huckleberry Tree.

A most elegant decorative green. It is largely used by florists of the Pacific Coast, Washington and Oregon in decorations. The branches are flat, very thickly furnished with exceedingly lustrous, green leaves, and it seems to adapt itself to almost any position in decoration that the Wild Smilax can be used in. New crop **Hardy Ferns,** now ready. Fancy $1.25 per 1000: Dagger, $1.00 per 1000.

CALDWELL, the Woodsman, EVERGREEN, ALA.

Please mention the American Florist when writing.

ROSE PLANTS

RICHMOND ROSE,
Extra fine strong 2½ and 3½-in. Richmond, $45.00 and $75.00 per 1000. This is without doubt the finest stock in the country. Satisfaction guaranteed or money refunded.

	Per 100	1000
Beauties, 3½-in., strong stock.....		65.00
Rosalind Orr English, 2½-in., strong stock.....	5.00	
Rosalind Orr English, 3½-in.....	7.50	
Kaiserin, 2½-in., extra fine stock....	4.50	40.00
Golden Gate, 2½-in., extra fine stock	4.00	30.00
Uncle John, 2½-in., extra fine stock.	4.00	30.00
" 3½-in.....	6.00	50.00
Sunrise, 3½-in., extra fine stock.....	6.50	60.00
Perle, 3½-in., extra fine stock.....	6.50	60.00
Maids, 3½-in., extra fine stock.....	6.00	55.00
Chatenay, 3½-in., extra fine stock...	6.50	60.00
" 2½-in., extra fine stock...	4.00	35.00
Liberty, 4-in. grafts, 300 plants left..	9.00	
Cut Back Benched Beauties.....	4.50	40.00

Packed in moss for distant shipment.

POEHLMANN BROS. CO.

MORTON GROVE, ILL.

BERTHA RATH

CARNATION CUTTINGS,
FERNS, PALMS,
ARAUCARIA EXCEL.,
ASPIDISTRA,
Green and Variegated.
BAY TREES and PRIVET,
Fine, Strong Stock.

R. DREYER, WOODSIDE, L. I.

Lilium Harrisii

FOR XMAS FORCING.

Well ripened and carefully graded bulbs.

5 to 7 Inches,

per 100.....**$4.50;** per 1000.....**$40.00.**

VAUGHAN'S SEED STORE,
84-86 Randolph St., CHICAGO. 14 Barclay St., NEW YORK.

Please mention the American Florist when writing.

WATCH US CROW.

Araucaria Excelsa

The Best of All Decorative Plants Nature Produces

OUR SPECIALTY.

Think of Aschmann, the great Araucaria Importer of America, before buying elsewhere.

Fill your empty houses now, and make 100 per cent on your money while you are asleep.

Notice.—When you undertake anything, do it well or not at all. This is our motto, adopted eleven years ago, when we imported the first lot of this well known pot plant, the Araucaria Excelsa, from Belgium. These everlasting green foliage pot plants are growing more in favor by the tasteful plant buyers of the land from year to year. Please watch the growth of our importations during the last eleven years. First year, 100; second year, 250; third 500; fourth, 1,000; fifth, 2,000 Now this year, 1906, is our **eleventh anniversary** since we began importing them, and they have grown up to 6,000, this spring's importation.

All these are grown for me under contract by an Araucaria specialist in Belgium. I must say, for the benefit of my customers, that they were never before so nice and large for the money as this year. Perfectly recovered from their sea voyage and well established, planted to 5½, 6 and 7 inch pots, ready ship to all points in America.

I herewith quote you special low prices on them for cash: **Araucaria Excelsa**

12 to 14 in. high, 5½-in. pots, 3 to 4 trs., 2 yr. old, $ .50
12 to 14 in. high, 5½-in. pots, 3 to 4 trs., 2 yr. old. 60
16 to 18 in. high, 5½ to 6 in. pots, 3 to 4 trs., 3 yr. old ..... .75
18 to 20 in. high, 6-in. pots, 5 to 6 trs., 4 yr. old.. 1.00
20 to 24 in. high, 6-in. pots 5 to 6 trs., 4 yr. old.. 1.25
36 to 50 in. specimen, 7-in pots, 6 yr. old, $2.50 to 3.00

Araucaria Compacta Robusta, have 1000 of them, never were so nice as this year. Plants are as broad as long, from 12 to 20 in. in height, 3 to 4 perfect tiers, 20 to 30 in. wide across from one tip of tiers to the other, 3, 4 and 5 years old, 6 to 7-in. pots, $1.25, $1.50, $1.75, $2.00, up to $3.00 each.

Araucaria Excelsa Glauca, are perfect jewels in shape and size; their beautiful green-blue tiers make them of such a striking appearance that everybody seeing them must fall in love with them on sight, and cannot help it. Plants, 6 to 7 in. pots, 3, 4 and 5 perfect tiers, 15 to 25 in. in height, from 15 to 30 in. across, $1.25 $1.50, $1.75, $2.00 to $2 50 each.

Please bear in mind these mentioned varieties are the cream of Belgium importations. We have thousands of them; can meet all demands.

Kentia Forsteriana, 6-in. pots, 35 to 40 in. high, 5 to 6 leaves, 4 years old, $1.25 to $1.50; 30 to 35 in. high, 4 years old, 6 in. pots, $1.00; 5½-in. pots, 25 to 30 in. high, 3 years old, 75c; 4-in. pots, made up with three plants, 18 to 20 in. high, 25 to 30c. **Belmoreana,** 6 in. pots, 4 years old, 5 to 6 leaves, bushy, 30 to 35 in. high, $1.25; 5½ to 6 in. pots, 3 years old, 5 to 6 leaves, 75c to $1.00 each. Above are the sizes entered in the custom house. **Kentia Forsteriana,** 7-in. pots, made up plants, on elarge in center, three smaller sizes, about 22 to 24 in. high, price $2.00 each.

Cycas Revoluta or **Sago Palm,** 6 to 7 in. pots, 7 to 20 leaves, 10c per leaf.

Cocos Weddelliana, 15c.

Areca Lutescens, made up plants, 4-inch pots, 25c.

Solanum or **Jerusalem Cherries,** 2½-in., per 100, $5.00; the same varieties as we sell at Xmas, for from 75c up to $1.00 each.

Ficus Elastica, Belgian importation, 4-in. pots 25c.

Ferns. A fine assortment of Ferns for dishes, large, bushy, out of 2½-inch pots $5.00 per 100.

Barrowsii ferns, 4-in., 25c; 6-in., 75c. **Scottii,** 4-inch, 25c; 5 inch, 40c; 6-inch, 50c

All goods must travel at purchaser's risk. Cash with order, please.

GODFREY ASCHMANN,
Importer and Wholesale Grower of Pot Plants,
1012 Ontario St., PHILADELPHIA, PA.

Nicholson's Dictionary of Gardening,
FOUR VOLUMES, $20.00.

An Excellent Work of Reference.

American Florist Co.
324 Dearborn Street, CHICAGO

MIGNONETTE

NEW YORK MARKET.

This is an extra choice strain of Mignonette for greenhouse culture. Our seed is greenhouse grown, raised by a most careful grower.

The plants grow from 2 to 3 feet high and produce flower spikes up to 20 inches long, according to the quality of the soil, weather and treatment. The seed is all saved from selected plants grown from 3 to 5 shoots to the plant and was all saved from the spikes measuring 10 to 18 inches long.

Per Trade Packet	$0.50
⅛ oz.	1.00
¼ oz.	2.00
½ oz.	3.50
1 oz.	6.00

VAUGHAN'S SEED STORE

CHICAGO — 84-86 Randolph Street.
NEW YORK — 14 Barclay Street.

Greenhouses, Trial Grounds and Nurseries, Western Springs, Ill

Choice Young Rose Plants

We offer 8,000 **Richmond** in 2½-inch pots, very strong, healthy young plants ready to plant in the benches, at **$4.00** per 100; **$35.00** per 1000. These Richmonds can be grown with Maids and Brides and will prove money makers.

PLEASE NOTE THE VERY LOW PRICES TO CLEAN OUT THE FOLLOWING FIRST-CLASS STOCK.

	Per 100	Per 1000
Am. Beauties, 2½-inch pots	$5.00	$45.00
Richmond, 2½-inch pots	4.00	35.00
Kaiserin, 2½-inch pots	5.00	40.00
Chatenay, 2½-inch pots	3.00	25 00
Brides, 2½-inch pots	3.00	25.00

These plants are guaranteed strong, healhy and ready to either plant in the bench or shift to larger size pots.

WANTED 5,000 Boston Market Carnation Field Plants.

In exchange for first size Pink Lawson field plants.

BASSETT & WASHBURN,

Office: 76 Wabash Ave., CHICAGO. Long Distance 'Phone Central 1457. Greenhouses: HINSDALE, ILL.

GERANIUMS

2½in. Pots.
Ready for Immediate Delivery.

Alliance. Lemoine 1905. Hybrid, Ivy and Zonal, semi-double, lilac white, upper petals feathered and blotched crimson maroon, 25c each; $2.00 per doz.

Fleuve Blanc, the semi-double Bruant that promises to become the standard white, flowers and foliage equal to Alph. Riccard, $1.50 per doz.; $10.00 per 100.

Double Dryden, $1.00 per doz.; $5.00 per 100.

Send for Geranium Catalogue. Let us figure on your future supply.

Cactus Geraniums, four varieties, petals curled and twisted similar to the Cactus Dahlia, $2.00 per doz.; $15.00 per 100.

S. A. Nutt, La Pilote, Beaute Poitevine, Mme. Barney, Centaur, Miss Kendall, Mme. Jaulin, Jean Viaud, Mme Charotte, 40c per doz.; $2.00 per 100; $18.00 per 100.

Ville Poitiers, Marquise de Castellane, Berthe de Persilly, M. Jolly de Bammeville Thos. Meehan, 50c per doz.; $3.00 per 100; $25.00 per 1000.

	Per 100	1000
Alternanthera, red and yellow	$2.00	15 00
Hardy English Ivy	2.00	15.00
Smilax	2.00	15.00

DAHLIA ROOTS.

We are booking orders for fall delivery. Send for list.

A cordial invitation is extended to all interested in horticulture to visit us. Cowenton station, Philadelphia division, B. & O. R. R., 12 miles north of Baltimore.

R. VINCENT, JR. & SON, White Marsh, Md.

Trade Directory Now Ready PRICE $2.00 American Florist Co., Chicago.

Chicago.

BUSINESS VERY DULL.

Market conditions remain practically unchanged save that the dullness has been accentuated by a shortage in stock. The shipping trade forms about the only business done and if it were not for this, many wholesalers could close their doors with very little loss. Asters have begun to flood the market and are taking the place of carnations which arrive small in quantity and flower. Good prices are being realized on asters, several houses disposing of large lots at $2 per 100. Good carnations manage to bring a fair price although most of the stock is hardly fit to ship. Roses maintain average figures and some very good Chatenay and Bridesmaid were seen. American Beauty is not over plentiful but is in sufficient quantity to supply all demands. Several houses are carrying extensive lines of Lilium candidum and L. auratum which have found a surprisingly good sale. Outdoor stock of all kinds is arriving in good quantities.

NOTES.

Now that the warm weather is fairly upon us with its consequent dull business, vacations seem to be in order. Almost every wholesale house in the city lacks a familiar face each week. First it is employe and them employer, all scurrying away in search of rest and quiet, only to return in a fortnight to face the old scenes and prepare for another year of work. Gus Alles, of Wieter Bros.', Ernest Anderson and Louis Gressenz, of Bassett and Washburn's, and Max Awizzus, of E. C. Amling's, are numbered among those this week who find time the least valuable of all their possessions.

President Eckhart of the west park board has ordered that the extensive plans for the rehabilitation of the parks outlined by Superintendent Jensen in his report last month be carried out. The preliminary plans are completed and the work will be pushed at once. One of the first improvements will be a central conservatory in Garfield park, the bids for which will be let before fall.

The Geo. Wittbold Co., whose establishment faces three streets, intends erecting glass display houses 12 feet high on Halsted street and Aldine avenue similar to the one which already adorns the frontage on Buckingham place.

C. W. McKellar is a busy man this week in the absence of his bookkeeper, Miss Walsh, who is on a vacation. He is carrying a fine line of asters as shipping stock.

F. F. Benthey has been handling some large cuts of roses of late, Killarney and Bridesmaid predominating. Over 12,000 roses were cut one day last week.

Manager J. S. Wilson, of Vaughan's greenhouses, left July 24 on a vacation trip to St. Louis, his old home, accompanied H. E. Philpott of Winnipeg.

Wieter Bros. report a good shipping business despite the slowness of the present season. They claim to have many orders originating in Duluth.

E. F. Winterson is spending a week or two at Mt. Clemens, Mich., on account of his rheumatism, having left for that place July 20.

Robert Newcome is no longer with the Central Floral Co., having left for his home in the Ozark mountains.

The E. F. Winterson Co. disposed of an exceptionally large quantity of asters this week.

The J. A. Budlong Co. has finished planting nine of that firm's new houses with carnations.

Visitors: Miss M. Doran, of Vaughan's greenhouses, Des Moines, Ia., on a vacation trip; Mr. Forsberg, manager J. C. Rennison Co., Sioux City, Ia.

St. Louis.

GOOD STOCK IN DEMAND.

Although business is practically at a standstill, there is no trouble in disposing of good carnations and roses. Outdoor carnations are now coming in and are of fairly good quality. Roses also, are improving; Mamam Cochet can be seen and when good finds a ready sale. Sweet peas are coming in slowly but are short stemmed and plainly show the effects of heat. Gladioli suffered a drop in price and large quantities can be had for practically nothing. Asters are looking well. Tuberoses, however, are very poor.

NOTES.

The Florists' Club meeting next month promises to be a lively one as there will be an election of officers for the coming year. At present the Club has about 100 members, many of them young men who intend to advertise to place the work of the Florists' Club before the public in order to stimulate the demand for flowers. They would like to double the membership next year. Several applications for membership are now on file. Wm. Adels has been instrumental in bringing in many new members.

Prof. Trelease of the Missouri Botanical Garden has issued invitations for the seventeenth annual banquet to gardeners, florists and nurserymen provided for in the will of Henry Shaw, to be given at the Jefferson hotel, August 14, at 7 p. m.

At present much interest centers in the coming picnic and a large attendance is expected. There will be games of all sorts with an abundance of good things to eat and drink.

Adolph Fehr of Belleville. Ill., was a visitor July 20. He had a large wedding contract for house and church decorations and used sweet peas extensively.

Fred W. Bruenig has been very busy with funeral work the past week. He handles quite a large number of flowers grown on his farm at Columbia. Ill.

Geo. H. Angermueller went to Paducah Ky. on an excursion as the guest of Rudolph, the carnation specialist, last week.

Fred Alvers and Geo. Angermueller intend taking a vacation early next month. They will go to Niagara Falls.

Park Commissioner Aull is engaged in planting several small parks in the crowded districts of the city.

W. F.

NAMPA, IDA.—Louis Poland, of Des Moines, Ia., is preparing to move here to go into the retail business.

A NEW FEATURE. HELP IT ALONG.

The Dayton Souvenir

WILL CONTAIN A

PICTORIAL DIRECTORY

of Leading Florists, Seedsmen and Nurserymen of the United States and Canada.

The objects being,

1. To establish your personality among the trade.
2. To aid in identification at the convention.
3. To furnish a pleasing memento of the convention, a reminder of pleasant associations.
4. A reference book, invaluable in choosing future business associates.
5. In interchange of business by mail, a likeness is next to a personal acquaintance.

Whether you attend the convention or not, it is to your interest, from a business standpoint, to be represented as a leading, up-to-date florist. One telegraphic order may more than pay the cost of your advertisement in this book, to be distributed over the United States and Canada.

Besides the usual number of fine illustrations of Dayton and vicinity, one great feature of this Souvenir will be a section devoted to civic improvement and welfare work, in which our city leads, and which will be finely illustrated, thus becoming a reference book of incalculable benefit.

Upon the receipt of $5.00 and your photograph, we will insert your business card, illustrated with your picture, and mail to you a copy of the Souvenir and your half-tone cut, prepaid. Copy must be in by August 5.

Address **H. M. ALTICK,** Manager

Souvenir Department, **DAYTON, O.**

E. H. Hunt,

WHOLESALE

Cut Flowers

"THE OLD RELIABLE."

76 Wabash Ave., ...CHICAGO.

Please mention the American Florist when writing.

E. C. AMLING

THE LARGEST, BEST EQUIPPED, MOST CENTRALLY LOCATED WHOLESALE CUT FLOWER HOUSE IN CHICAGO.

32, 34, 36 RANDOLPH ST., CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Please mention the American Florist when writing

WEILAND - AND - RISCH

Wholesale Growers and Shippers of CUT FLOWERS

59 Wabash Ave., CHICAGO.

'Phone Central 879.

Write for our wholesale price list.

WHOLESALE FLORISTS

Please mention the American Florist when writing.

Jensen & Dekema

CARNATION SPECIALISTS

674 W. Foster Ave., CHICAGO.

Please mention the American Florist when writing

SINNER BROS.

WHOLESALE CUT FLOWERS

60 Wabash Ave., Chicago.

Careful attention to all

SHIPPING ORDERS.

Please mention the American Florist when writing.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty.....

WHOLESALE GROWER of CUT FLOWERS

Chas. W. McKellar

51 Wabash Ave., CHICAGO.

ORCHIDS

A Specialty,

Fancy Stock in VIOLETS, VALLEY, ROSES, BEAUTIES, CARNATIONS and a full line of all Cut-Flowers, Greens, Wire-Work and FLORISTS' SUPPLIES.

Send for Complete Catalogue.

Wholesale Flower Markets

CHICAGO, July 25

Roses, Beauty, 30 to 36-in. stems		4 00
" " 20 to 24 "	2.50@	3.00
" " 15 to 18 "	1.50@	2.00
" " 12 "	.75@	1.00
" Liberty, Chatenay	3.00@	6.00
" Bride, Bridesmaid	3.00@	6.00
" Golden Gate	3 00@	6.00
" Killarney, Richmond	4.00@	10.00
Carnations	1.00@	1.50
" fancy		2.00
Lily of the valley	2.00@	4.00
Harrisii lilies ..... per doz. $1.50		
Asparagus plumosus, per string 35 to 50c.		
" " .35@ 1.00 per bu.		
" Sprengeri	2.00@	4.00
Galax leaves ..... per 1000, $1 25		.15
Adiantum	.75@	1.00
Fancy ferns .... per 1000		1.50
Smilax ..... per string, 10c @12½c		
Sweet peas		.50
Asters	1 50@	2.00
Auratum lilies ..... doz., 1.50		

Poehlmann Bros. Co.

Wholesale Growers of and Dealers in Cut Flowers.

All telegraph and telephone orders given prompt attention.

Greenhouses: MORTON GROVE, ILL.

35-37 Randolph St., CHICAGO.

WIETOR BROS.,

Wholesale Growers of Cut Flowers

All telegraph and telephone orders given prompt attention.

51 Wabash Ave., CHICAGO.

J. B. DEAMUD CO.

Wholesale Cut Flowers,

51 and 53 Wabash Ave., CHICAGO.

Long Distance Phone Central 3155.

Consignments of Choice Flowers Solicited.

The Geo. Wittbold Co.

1657-1659 Buckingham Place, CHICAGO.

The only retail florist in Chicago who grows his own cut flowers.

FUNERAL WORK ORDERS, OUR SPECIALTY.

Be your own Commission Man

THE FLOWER GROWERS' MARKET

furnishes the facilities.

See PERCY JONES, Mgr.

60 Wabash Ave., CHICAGO.

Vaughan & Sperry,

Wholesale Florists,

58 and 60 Wabash Ave., CHICAGO.

WRITE FOR SPECIAL PRICES.

Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO.

Telephone, Central 3284.

Please mention the American Florist when writing.

PETER REINBERG

Grower and Wholesaler of Cut Flowers.

1,200,000 feet of glass

Headquarters for American Beauty.

51 Wabash Ave., CHICAGO.

Always mention the American Florist when you order stock.

KENNICOTT BROS. COMPANY

40-42-44 Randolph St., CHICAGO.

Our reputation has always been that we fill orders when others fail. All stock in season at Lowest Market Rates.

THE BENTHEY-COATSWORTH CO.

35 RANDOLPH ST. WHOLESALE FLORISTS CHICAGO.

Philadelphia.

CHOICE STOCK SCARCE.

There is a great scurrying for anything good in the cut flower line on Monday mornings. All the choice stock comes from out of town, as nothing being shipped on Sunday evening by the Puritans the Quakers have to be satisfied with flowers grown in their atmosphere, which just now is very hot and humid. Thorn Hedge is sending in some nice flowers of pink and white Japanese lilies. The Robt. Craig Co. is supplying the market with auratum lilies and gardenias, the latter being very nice indeed. Orchids are all out of this market, the supply coming from New York. White and purple asters can now be kept in stock and are a great help, as also are gladioli, which make a good window effect for little money. Rudbeckia is now in and helps to make a show, but finds little demand. Tub hydangeas are now making a fine show with their wealth of heavy blooms. They may be something of a care during the winter and early spring, but they certainly pay up when called upon to do duty on the lawn at this time.

NOTES.

Speaking of hydrangeas, how about the Ohio find, this snowball found rolling wild in the woods of this woolly state? What is this that "E. G." is trying on us this warm weather? A large bush four feet high and the same in width and so covered with white flowers that one might almost mistake it, but for the season, for a snow drift, and this has just been discovered. Where are Sander and Veitch that they missed this good thing? Would it not be well for the members of the convention while in this wild and uninhabited region to take to the woods between sessions (from the photos we have seen of the hall it would seem as if they were not far away) and do a little exploring and collecting on their own account? They might find a scarlet one and then we would have the national colors. What a great show such a bed would make on the glorious Fourth. Then in some clearing a new rose or two might be discovered or an Ohio longiflorum, a beautiful healthy variety that would forever free us of the Japs and Bermudas. These native novelties would be brought triumphantly into the convention hall and keep President Kasting busy with the gavel for a little while at least.

Speaking of the convention, things are begining to warm up a little and it may be found that the transportation committee will likely have to order another car before the day of departure. All the large firms in the plant and florists' supply line are going to have fine exhibits, so that this, the strongest feature of the convention, is likely to excel all previous efforts.

Harry Bayersdorfer and wife returned from their European trip July 21. Harry says there are shiploads of goods coming and among them a number of novelties that will be in time for their display at the convention. Harry celebrated the Fourth of July at Ollioules in the south of France.

John Westcott says fishing was never better on Barnegat bay than it is at this season. One is almost sure of a catch any day and at times the fish are so plentiful and bite so readily that it seems almost wanton to haul them in.

Dictionary references: "Profession, the business which one professess to understand and practice for subsistence; a calling, occupation or vocation superior to a trade or handicraft." That's us, has been ever since so long ago that we forget the beginning. Wake up "Phil," you're slow. Again: "The collective body of persons engaged in or practicing a particular calling or vocation." The latter will do for the Daytonites in August. K.

Boston.

BUSINESS FAIR.

Business has been fairly active and favored by perfect weather, flowers are more abundant and of better quality than in the previous week. Most of the stores had plenty of funeral work to keep them busy mornings, but afternoons it was quiet, owing to the fact that the cut flower trade is almost at a standstill. The market is not deluged with stock but there is a good supply of everything with the exception of good carnations and red roses. Among the roses Kaiserin, Carnot and Wellesley take the lead, best grades selling at $1.50 a dozen. American Beauty and Liberty shortened up considerably the past week. Fair Maid still reigns among the carnations, selling easily for $2 per 100. Other indoor carnations are poor, yet they work in well in funeral designs. Asters, sweet peas and gladioli are coming into the market in good quantities. Outdoor carnations are just putting in their appearance.

NOTES.

The annual picnic and games of the growers of Park street and Music Hall markets will take place Sunday, August 5, at Childs' Farm, Waltham. One of the events is to be a ball game between the growers of both markets for a purse of $25. The outcome is looked for with great interest, as considerable rivalry exists between the two places. Wm. Nicholson, Jr., is captain and Joseph Free manager of the Park street team; Thos. F. Matthews, captain, and Harry Ward, manager, of the Music Hall nine. Another feature will be a trotting match between Pat Donahue of the Waban Rose Conservatories, and Chas. Evans, purse $25 a side. Perry Green and Bill Anderson will run a foot race, the loser to pay for the suppers of both.

Tom Pegler has leased three greenhouses, at Wallaston, which he will devote to the growing of double violets this fall. Tom, through his genial ways, has made many friends among the retailers and all wish him the greatest success in his new undertaking.

Among those on their vacations at the different stores are: August Kamp of Julius Zinn's, Wm. Winnett at W. E. Doyle's, also James J. Coleman, H. E. Hartford and W. J. Haverty at T. F. Galvin's, and Harry Kelly of J. Newman & Sons.

Tom Leamey, salesman for the Waban Rose Conservatories, left the first of the week for a two weeks' trip through New Hampshire.

Lewis R. Jackson, Woburn, is building a new greenhouse, thereby doubling his present growing capacity.

S. J. Goddard is sending to market the first of the outdoor carnations, namely, Queen and Fair Maid.

Herbert E. Caspers, salesman for John Foote, is spending two weeks down on the cape.

John Forbes, Jr., is summering at Narragansett Pier.

W. H. Elliott is cutting some excellent Kaiserin roses.

E. Sutermeister is visiting his son at Portland, Me.

Kidder Bros. are sojourning at Rangely lakes. B.

Washington.

OUTDOORS STOCK IMPROVES.

Though busines must for some time to come, continue to be rated as slow, several of the stores had large funeral orders during the past week. There is an improvement in the quantity and quality of outdoor stocks, fine gladioli being noticeable. Small lots of asters have appeared, but disease and insects are working havoc in some gardens. Water lilies are abundant and several stores with their aid have made up very creditable aquatic window displays. There are plenty of roses to supply the demands of funeral work and field grown carnations though short stemmed are just as useful for purposes of design.

NOTES.

The outing at Chesapeake beach for July 24 was indefinitely postponed on account of lack of interest among the florists. All is not lost, however. The Caledonian club has an excursion to Marshall Hall, July 25, and it is expected that a large delegation of florists will be there, led by chief clansman John Robertson.

Alfred Ellaby, of Riverside, a Maryland suburb, is also sending in asters and extra fine lots of gladioli. In a short time Mr. Ellaby has made a record as a grower of outdoor stocks.

Theodore Dietrich is sending in good asters, but complains about the bugs. S. E.

Springfield, O.

At the second gathering of florists of Springfield and vicinity, held July 16, reports were received from committees appointed at the initial meeting. A constitution and by-laws were adopted, the name of the organization to be the Springfield Florists' Club, regular meeting to be held on second Monday evening of each month. Officers to serve for one year were elected as follows: John M. Good, president; Roger H. Murphy, vice-president; Chas. W. Schmidt, secretary, and Roy McGregor, treasurer. An entertainment committee was appointed which has since announced first picnic to be held at Eichholz park on Thursday, August 2.

The Daily News of July 20 states: "Big hay wagons were used to carry 56 of the employes and their families of the Good & Reese Co. to Clifton Friday morning, where they are holding their picnic. The day is being spent in playing ball and other outdoor sports."

A new record was established this season by the Leedle Floral Co., which made its first shipment of young rose plants from early summer propagation on July 11, new stock not ordinarily being expected to be in shipping condition until early fall. G. DALE.

ROSE PLANTS,

	Per 100
1500 Bridesmaid, 1500 Bride, 3-in. pots	$6.00
1000 Liberty, 3-in. pots	6.00
1000 Liberty, 2¼-in. pots	5.00

STRONG, CLEAN PLANTS, FREE FROM MILDEW.

THE LEO NIESSEN COMPANY, 1217 ARCH ST., PHILADELPHIA, PA.

ASTERS—GLADIOLI—BEAUTIES

FIELD CARNATION PLANTS, Enchantress, Lawson and Queen Louise, very fine, $5.00 per 100.

PITTSBURG FLORISTS' EXCHANGE, Pittsburg, Pa.

VALLEY

Special Prices Made on Yearly Contracts.

RIBBONS AND FLORISTS' SUPPLIES.

Samuel S. Pennock, THE WHOLESALE FLORIST, PHILADELPHIA.

Grafted and Own Root **ROSE PLANTS** For Immediate Delivery.

Bride, Bridesmaid, Liberty, Wellesley, Richmond and Killarney. Write for samples and prices.

W. H. ELLIOTT, - - Brighton, Mass.

THE

J. M. McCullough's Sons Co.

Wholesale Commission Florists.

CONSIGNMENTS SOLICITED.

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES, SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

Please mention the American Florist when writing.

H. G. BERNING,

Wholesale Florist

1402 Pine St., ST. LOUIS, MO.

Please mention the American Florist when writing.

C. A. KUEHN,

Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

Please mention the American Florist when writing.

ROSES AND CARNATIONS

Pittsburg's Largest and Oldest Wholesalers.

PITTSBURG CUT FLOWER CO., Ltd.

504 Liberty Ave., PITTSBURG, PA.

Please mention the American Florist when writing.

Holton & Hunkel Co.

Wholesale Florists

Milwaukee, Wis.

Please mention the American Florist when writing.

Wholesale Flower Markets

PHILADELPHIA, July 25.

Roses, Tea	3.00@ .400
" " extra	6.00@ 8.00
" Liberty	4.00@15.00
" Queen of Edgely, extra	16.00@25.00
" " " firsts	12.00@15.00
" Beauty, extra	16.00@25.00
" " firsts	12.00@15.00
Carnations	1.00@ 3.00
Lily of the valley	2.00@ 4.00
Asparagus, bunch	25.00@50.00
Smilax	20.00@25.00
Adiantum	.75@ 1.50
Cattleyas	.50@ .60
Gardenias	10.00@15.00
Sweet peas	.40@ .50
Auratum lilies	16.00
Gladiolus	3.00@ 5.00

BOSTON, July 25.

Roses, Beauty, best	12.00@25.00
" " medium	8.00@12.00
" " culls	1.00@ 4.00
" Bride, Bridesmaid	2.00@ 4.00
" Extra	6.00@ 8.00
" Liberty	6.00@25.00
Carnations	1.00@ 2.00
" Fancy	2.00@ 3.00
Lily of the valley	2.00@ 4.00
Smilax	8.00@12.00
Adiantum	.50@ 1.00
Asparagus	35.00@50.00
Sweet peas	.25@ .75
Pond lilies	2.00@ 4.00

BUFFALO, July 25.

Roses, Beauty	5.00@25.00
" Bride, Bridesmaid, Meteor	3.00@ 8.00
Carnations	.75@ 2.50
Lily of the valley	3.00@ 4.00
Asparagus, strings	40.00@50.00
Smilax	15.00
Adiantum	.75@ 1.50
Lilies	3.00@15.00
Peas	.15@ .25
Water lilies	3.00@ 5.00
Gladiolus	2.00@ 4.00
Asters	1.00@ 2.00

THE ART OF

Floral..... Arrangement.

The first special newspaper in the world for floral arrangement.

250 ILLUSTRATIONS ANNUALLY.

Specimen number free.
Subscription, $2.40 yearly.

BINDEKUNST-VERLAG,
J. Olbertz, ERFURT, GERMANY.

Please mention the American Florist when writing

NOW READY

To fill orders for **American Beauties, Lily of the Valley, Carnations** and all varieties of **Tea Roses** in lots of one hundred to one thousand at short notice Get our prices before ordering elsewhere.

WELCH BROTHERS,
15 Province St., BOSTON, MASS.

Please mention the American Florist when writing.

J. B. MURDOCH & CO.

WHOLESALE FLORISTS,

FLORISTS' SUPPLIES.

545 Liberty Ave., PITTSBURG, PA.

Please mention the American Florist when writing.

Peonies and Carnations of Best Quality.

ABSOLUTELY THE BEST POSSIBLE SERVICE.

W. E. McKissick

WHOLESALE FLORIST,

Business Hours 7 a.m. to 8 p.m.

1221 Filbert Street, PHILADELPHIA, PA.

Please mention the American Florist when writing.

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

Nephrolepis Whitmani

2¼-inch, $25.00 100,

Boston Ferns 2¼-in. $3.00 per 100.

Henry H. Barrows & Sons, WHITMAN MASS.

New York.

MARKET DEVOID OF INTEREST.

With the middle of the dull summer season almost at hand the market naturally continues to be devoid of interest. The extremely warm and humid weather, with the thunderstorms and rains experienced during the past 10 days has cut down the supply of flowers to an extent which has made cleaning up somewhat easy, but quality, particularly of outside flowers, is in general exceedingly poor. Roses of good quality are taken freely, and the supply is sufficient every day. Stock of poor quality goes at prices which are unquotable, indeed much of it cannot be given away. American Beauties have fluctuated in price during the past few days, as far as the special grades are concerned, in accordance with the volume of arrival. Lower grades have been practically steady. Richmond roses are plentiful but are not attractive, owing to their tendency to open too freely. Good Kaiserin are to be had, and bring good prices, as also does Carnot. Carnations are now at low ebb in point of supply, and such as are coming in are not wanted, if anything else will serve the purpose. Asters, although early in their season, are coming in quantities too large for consumption. Eight to 12 bunches for a dollar covers fairly good stock. Purple asters do a little better. Lilies are stronger on account of a shorter supply, and have touched 8 cents. Sweet peas are not quite so plentiful, the weather destroying a good deal of the crop. Gladioli are in good supply and move well when of good color and form. Among the outside stock arriving is swainsona and it is taken quite freely. Cattleyas are somewhat over plentiful and values suffer accordingly.

The Market, July 25.—The market is lethargic to-day and asters are a glut, the lower grades going at clean out prices.

GOOD CONVENTION DELEGATION.

From present prospects a goodly number of florists from this city and vicinity will attend the S. A. F. convention at Dayton, O., August 21-24, including many who never attended a convention before. The arrangements made by the transportation committee of the Florists' Club for a pleasant trip are perfected and visitors will be able to stop over at Niagara Falls on the return trip. One or two Pullman cars will be attached to the Southwestern Limited, one of the finest trains running out of this city, and the committee J. B. Nugent, Jr., Walker F. Sheridan and F. H. Traendly are already booking berths. As previously noted the fare for the round trip is $22.67.

NOTES.

On a recent trip of the S. S. Kaiserin Augusta Victoria the florist in charge of the florists' department carried a large stock in store and cold storage of carnations, cattleyas, sweet peas, American Beauty roses, lily of the valley, gladioli, cornflower, daisies and centaurias. Potted plants included ericas, asparagus, hydrangeas, palms, and ferns. Besides the demand met from passengers the florist supplies all table decorations and looks after all plants. It is strange that most of the stock bought in New York was supplied by a New Jersey retailer.

George T. Schuneman, Baldwin, L. I., has planted this year six of his houses with carnations. The only variety used is Goethe. The remaining three houses are planted with violets. Mr. Schuneman has often experienced trouble in getting his supply of water through the agency of a windmill, and therefore has installed in his cellar an electric pump and motor, getting contract power. He says when there is no wind for the windmill he will have plenty of power for the pump.

The vacation season is on in earnest, and those who have not already departed are preparing to do so. A. Moltz is summering in the Catskills. A. H. Langjahr has passed a short sojourn at Asbury Park. J. H. Troy leaves this week for Europe. John Seligman will go to the mountains next week. Clarence Saetford is putting in his vacation at Rhinebeck.

Philip Haas, College Point, L. I., just completed the heating of his three 85-foot greenhouses, changing from steam to hot water. Anton Schultheis' two new houses have also had their heating systems installed. The Johnston Heating Company were the contractors in both cases.

The Brooklyn water department has acquired the property of G. F. Neipp, Acqueduct, L. I. Mr. Neipp expects to continue his business in another location, but has no present plans as he will not have to vacate his establishment for a few months.

The city recently bought a 20-foot strip of the second avenue front of W. H. Siebrecht's property in Astoria, L. I. necessitating the tearing down of five of his greenhouses. He is now building seven new houses to fill the gap made by those removed.

Ice is a problem with the wholesalers just now, that is in so far as regards price. Just double in cost to what it was last year, everybody is economizing in its use, finding it better to clean out stock than pay most of its value to the ice trust.

Chas. Smith, Woodside, L. I., has purchased a large tract of land at Bound Brook, N. J., and will build one large greenhouse there this year. His Woodside establishment will be operated in the future by one of his sons.

Jack Gunther is spending the summer at Rockaway, but comes in to W. H. Gunther's store almost daily. Julius Lang is enjoying the season at Tottenville, S. I., but gets to his store about three days each week.

Henry Bullman, the Amsterdam avenue florist, sails for Europe July 31 by the S. S. Kronprinz Wilhelm.

Louis Schmutz and wife sailed July 24 for France on the S. S. Bremen, for a visit to their old home.

Baltimore.

A WORD FOR COCHET ROSES.

The earlier part of last week trade showed some briskness and pretty much all the stock offering went off at fairly good summer prices, but towards its end there was all around dragging and great quantities of flowers went Saturday night to the dump. There were thousands and thousands of Cochet roses for which there were no bidders. This beautiful outdoor rose both in the pink type and the even lovelier white spot is a great acquisition by its many admirable qualities to our garden sorts, and the white is particularly well adapted for summer cultivation under glass. But its widespread and indiscriminate planting under all conditions and in all kind of soils, and the lack of care in its cultivation seems, in this territory at least, to have produced a glut which cannot be disposed of to any advantage, if at all. Great quantities of flowers cut from young stock and pushed on the market regardless of quality only give a bad name to one of the best varieties of the season, when properly handled.

On Sunday, we had one of the heaviest rain storms ever experienced in this section. Within 24 hours over six inches of water fell, the maximum previously recorded being 5.08 inches. There were at times heavy thunder storms, but fortunately the wind, generally, was not very high. Roads were dreadfully soaked, bridges carried away and growing crops were injured or destroyed, but there are no accounts yet of any heavy individual losses, nor of any specially amongst the trade. It will take several days for outdoor stock to recover from the tremendous downpour which it encountered. S. B.

VICTORY
GUTTMAN & WEBER,
43 West 28th Street,
NEW YORK.
STRONG, FIELD-GROWN PLANTS NOW READY.
$15.00 per 100; $125.00 per 1000; 250 at 1000 rate.
DISCOUNT FOR CASH WITH ORDER.

HORACE E. FROMENT, Wholesale, Commission,
Successor to William Chormley.
Orchids, Roses, Carnations, Valley, Lilies, Etc.
57 West 28th Street, NEW YORK CITY.
Telephones 2200 and 2201 Madison Square.

The Reliable Commission House.
JOS. S. FENRICH
110 W. 28th St., NEW YORK.
Open daily at 6 a. m.
Bell Telephone,
324-325 Madison Square.
RICHMOND ROSES RECEIVED DAILY.

Choice Carnations. Selected Roses.
Traendly & Schenck
NEW YORK CITY,
44 W. 28th Street, Cut Flower Exchange.
New Telephone No. 798 & 799 Madison Sq.
Please mention the American Florist when writing

CARNATIONS
MY SPECIALTY
Consignments Solicited. Prompt Payments
Established 1891.
Alfred H. Langjahr, 55 W. 28th St., NEW YORK.
Telephone 3924 Madison Square.
Please mention the American Florist when writing.

Original Pioneer House—Established 1871.
JAMES HART
103 W. 28th St., NEW YORK.
Wholesale and Commission
Consignments solicited. Shipping orders promptly attended to. 'Phone 626 Madison.
Please mention the American Florist when writing.

FORD BROS.
Receivers and Shippers of
Fresh Flowers
48 West 28th St. NEW YORK.
Telephone 3870-3871 Madison Sq.
Please mention the American Florist when writing.

ROSES.
1000 Richmond, 3-in., $8.00 per 100; $70.00 per 1000
1000 Maids, 4-in..... 5.00 per 100; 45.00 per 1000
400 Killarney, 3-in..... $8 00 per 100
300 Perles, 3-in..... 4,00 per 100
CHARLES H. TOTTY, Madison, N. J.
Please mention the American Florist when writing.

N. Y. Cut Flower Exchange
Coogan Bldg., 6th Ave. & W. 26th St., New York.
Open for Cut Flower Sales at 6 o'clock Every Morning.
Desirable Wall Space to Rent for Advertising.
V. S. DORVAL, JR., Secretary.

The Best Way to Collect an Account
is to place it with the
NATIONAL FLORISTS' BOARD OF TRADE,
56 Pine St., New York.
Why? Because many debtors will pay the Board, fearing otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.

The American Florist Company's
DIRECTORY
Contains the names and addresses of all the Florists, Seedsmen and Nurserymen in the United States and Canada. Price $2.00.
AMERICAN FLORIST CO.,
324 Dearborn Street. Chicago, U. S. A.

Wholesale Flower Markets

NEW YORK, July 25.

Roses, Beauty best	10 00@25.00
" " medium	6.00@10.00
" " culls	1.00@ 4.00
" Liberty, best	4.00@10 00
" " culls	1.00@ 4.00
" Bride, Bridesmaid, G. Gate	1.00@ 5.00
" Kaiserin, Carnot	1.00@ 6.00
Carnations	.50@ 1.00
" fancy and novelties	1 50@ 2.00
Lily of the valley	.50@ 3.00
Lilies	4.00@ 6.00
Smilax	6.00@ 8.00
Adiantum	.50@ .75
Asparagus	20.00@50.00
Sweet peas....per doz. bu.	.12@ .25

Thomas Young
WHOLESALE FLORIST.
43 West 28th St., NEW YORK.

Alex. J. Guttman
The Wholesale Florist of
NEW YORK.
Phone 1664-1665 Mad, Sq. 43 W. 28th Street.

Moore, Hentz & Nash,
Wholesale Commission Florists,
55 and 57 West 26th Street,
Telephone No. 756 Madison Square. New York.

N. Lecakes & Co.
53 W. 28th St., NEW YORK.

Tel. No. 1214 Madison Square
Stands at Cut Flower Exchange, Coogan Bldg., W. 26th Street & 34th Street Cut Flower Market. SPECIALTIES: Galax Leaves, Ferns and Leucothoe Sprays, Holly, Princess Pine and all kinds of Evergreens.

Green and Bronze Galax Leaves, $1.00 per 1000.

A. J. FELLOURIS,
J. J. Fellouris, Manager.

Wholesale and Retail Dealer in all kines of
EVERGREENS,
Fancy and Dagger Ferns, Bronze and Green Galax.

Telephone, 2675 Madison Square.
52 West 28th Street, NEW YORK.

George Cotsonas & Co.
Wholesale and Retail Dealers in all kinds of

Evergreens.
Fancy and Dagger Ferns, Bronze and Green Galax.
Phone 1202 Mad. Sq.

Main Store, 50 W. 28th St., NEW YORK.

—FLOWERS SHIPPED BY—
JOHN I. RAYNOR
Are the best product of the best growers for the New York Market.
Adiantum Croweanum sold here exclusively.
49 W. 28th St., NEW YORK.
Tel. 1998 Madison Square.
Please mention the American Florist when writing.

Walter F. Sheridan,
WHOLESALE FLORIST,
Telephone 902 Madison Square.
39 West 28th St., NEW YORK.
Please mention the American Florist when writing.

J. Seligman. Joseph J. Levy
John Seligman & Co.
WHOLESALE FLORISTS
56 West 26th Street, NEW YORK.
OPPOSITE N. Y. CUT FLOWER CO.
Everything in Cut Flowers. Consignments from growers solicited. Prompt returns. Best prices. Satisfaction guaranteed. Tel. 4878 Madison.
Please mention the American Florist when writing.

PHIL. F. KESSLER
Wholesale Commission Florist
Telephones { 2921 / 5243 } Madison Square.
55 WEST 26th STREET,
Consignments solicited. Prompt payments. New York.

A. M. HENSHAW
Wholesale Commission Florist.
Consignments of first-class stock solicited. Out of town orders carefully and promptly filled.
Telephone 5583 Madison.
52 W. 28th St., NEW YORK
Please mention the American Florist when writing.

Receivers and Shippers of Cut Flowers.
Consignments Solicited.
A. L. YOUNG & CO. Wholesale Florists . .
54 West 28th Street.
Telephone 3559 Madison Sq. NEW YORK.

THE KERVAN COMPANY,
20 West 27th St., NEW YORK.
Wholesale dealers in fresh cut Palmetto and Cycas Palm leaves, Galax, Leucothoe, Ferns, Mosses and all Decorating Evergreens.

J. K. ALLEN.
Wholesale Commission Florist.
106 West 28th St., NEW YORK CITY.
Open every day at 6:00 A.M. Tel. 167 Madison Sq.

IT IS NOT...
what you pay for the advertisement but what the advertisement pays you. It pays to advertise in the American Florist.

CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

DETROIT.

JOHN BREITMEYER'S SONS

Cor. MIAMI and GRATIOT AVES.

DETROIT, MICH.

..Artistic Designs...

High Grade Cut Blooms.

Wa cover all Michigan points and good sections of Ohio, Indiana and Canada.

Please mention the American Florist when writing.

MILWAUKEE.

C. C. Pollworth Co.

MILWAUKEE, WIS.

Will take proper care of your orders in WISCONSIN.

INDIANAPOLIS.

Bertermann Bros. Co.

FLORISTS

241 Massachusetts Ave., INDIANAPOLIS, IND.

ST. LOUIS.

Fred. C. Weber,

FLORIST,

4320-4328 Olive St., ST. LOUIS, MO.

Established 1873. Bell, Lindell 676.

DENVER.

The Park ...Floral Co.

J. A. VALENTINE, President. DENVER, COLO.

OMAHA.

HESS & SWOBODA,

Florists,

1415 Farnam Street, 'Phone 1501 and L. 1582. OMAHA, NEB

DENVER.

FLORAL DESIGNS AND FLOWERS.

Best Quality on Shortest Notice.

DANIELS & FISHER, DENVER, COLO.

Order by mail, telephone, telegraph or cable. Cable address: "Daniels Denver."

New Orleans

CUT FLOWERS

For Tourists and General Trade.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, —838— CANAL ST.

LONDON PARIS BERLIN

A. Lange

Prompt Attention to STEAMSHIP ORDERS.

Main Address 40 East Madison Street, Heyworth Bldg. ...CHICAGO.

Agents in all Leading European Cities.

WASHINGTON, D. C.

Gude's.

CHICAGO.

P. J. HAUSWIRTH

Auditorium Annex, CHICAGO.

Mail, telegraph or telephone orders filled promptly in best style.

Please mention the American Florist when writing

BUFFALO.

Palmer's

Buffalo, N. Y.

W. J. Palmer & Son, 304 Main St

WASHINGTON.

GEO. H. COOKE,

FflorIST

Connecticut Avenue and L Street

WASHINGTON, D. C.

Please mention the American Florist when writing

KANSAS CITY.

Samuel Murray

...FLORIST...

Coates House Conservatory

1017 Broadway, KANSAS CITY, MO.

Both 'Phones 2670 Main,

Write, Telephone or Telegraph. All orders given prompt attention.

KANSAS CITY.

GEO. M. KELLOGG,

906 Grand Avenue,

KANSAS CITY and PLEASANT HILL, MO.

Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

ATLANTA.

ATLANTA FLORAL CO.

41 Peachtree Street, ATLANTA, GEORGIA.

NEW YORK.

W. H. Donohoe,

2 WEST 29th STREET,

Formerly of Young's. NEW YORK.

Tel. 3034 Madison Sq.

Orders from the trade, for theatre, steamship or otherwise, filled in first-class style, at wholesale prices. TRY ME.

BROOKLYN, N. Y. NEW YORK.

Robert G. Wilson,

BROOKLYN, N. Y., Fulton St. and Greene Ave. NEW YORK, 48 W. 30th St.

Trade orders from all parts of the country filled for delivery at residence, steamer, hotel or theatre, on wholesale basis. Satisfaction guaranteed. Wire or telephone.

ALBANY, N. Y.

EYRES

Flowers or Design Work.

DELIVERED IN ALBANY AND VICINITY ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

ST. PAUL.

HOLM & OLSON,

ST. PAUL.

THE LEADING FLORISTS OF THE NORTHWEST

Orders will be well cared for anywhere in Minnesota and the Dakotas.

GALVESTON.

Mrs. M. A. Hansen,

—FLORIST—

Galveston, Texas.

Special attention given to Telegraph or Telephone Orders. 'Phone 1912.

JACKSONVILLE.

MILLS THE FLORIST,

36 W. Forsyth Street,

JACKSONVILLE, FLA.

WASHINGTON.

Mayberry & Hoover

Florists and Decorators

1339 Fourteenth St., Northwest

Telephone North 508. WASHINGTON, D. C.

COLORADO SPRINGS.

WM. CLARK,

Wholesale and Retail Florist

COLORADO SPRINGS, COL.

Eine absolute Nothwendigkeit!

Hiermit $1.00 für mein Abonnement. Es ist die Pflicht eines Jeden prompt für den „American Florist" zu bezahlen, weil dieser eine absolute Nothwendigkeit für jeden Blumenzüchter ist.

Carl Roegner, Alabama.

ROSES and CARNATIONS.

We are Headquarters for Roses, Carnations, Beauties and Valley. Write for special quotations.

A. L. RANDALL CO., 19-21 Randolph St., **CHICAGO.**

The Cleveland Cut Flower Company,

WHOLESALE CUT FLOWERS, FLORISTS' SUPPLIES, WIRE DESIGNS.

215 Huron Road, CLEVELAND, OHIO.

Cut Flowers or Designs

Will be delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

NEW YORK.

Alexander McConnell

IN NEW QUARTERS.

546 Fifth Avenue, Windsor Arcade, NEW YORK CITY

TELEGRAPH orders forwarded to any part of the United States, Canada and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive our prompt attention.

Telephone Calls: 340 and 341 38th Street.
Cable Address: ALEXCONNELL.
WESTERN UNION CODE.

Please mention the American Florist when writing.

LOUISVILLE.

Jacob Schulz,

644 Fourth Ave., LOUISVILLE, KY.

CUT FLOWERS of Best Quality in Season Delivered Promptly to Any Address.

Write, Telegraph or Telephone
Cumberland and Home Phones 223 and 984.
Please mention the American Florist when writing

Steamer Sailings.

Week Ending August 4.

July 30, Slavonia, Trieste-New York.
July 30, Sicilia, Genoa-New York.
July 31, Carmania, New York-Liverpool.
July 31, Caronia, Liverpool-New York.
July 31, Carpathia, New York-Naples.
July 31, Germania, Naples-New York.
July 31, Kronprinz Wilhelm, N. Y.-Brm.
August 1, Calabria, Naples-New York.
August 1, Friesland, Liverpool-Philadel.
August 1, Baltic, New York-Liverpool.
August 1, Oceanic, Liverpool-N. Y.
August 1, Lake Erie, Liverpool-Montr'l.
August 1, Potsdam, N. York-Rotterdam.
August 2, Virginian, Montreal-Liverp'l.
August 2, La Savoie, New York-Havre.
August 2, Arabic, Boston-Liverpool.
August 2, Dominion, Liverpool-Montr'l.
August 2, Oscar II, N. Y.-Copenhagen.
August 2, Amerika, N. York-Hamburg.
August 2, Konig Albert, Genoa-N. Y.
August 2, Prinzess Alice, N. Y.-Bremen.
August 3, Victorian, Liverpool-Montr'l.
August 3, Parisian, Boston-Glasgow.
August 3, Laurentian, Glasgow-Boston.
August 4, Astoria, New York-Glasgow.
August 4, Furnessia, Glasgow-N. York.
August 4, St. Louis, N. Y.-Southampton.
August 4, St. Paul, Southampton-N. Y.
August 4, Noordland, Phila.-Liverpool.
August 4, Lucania, N. York-Liverpool.
August 4, Campania, Liverpool-N. Y.
August 4, La Bretagne, Havre-N. York.
August 4, Kensington, Montreal-Liv'p'l.
August 4, Lake Champlain, Mont.-L'v'pl.
August 4, Pretoria, N. York-Hamburg.
August 4, Statendam, Rotterdam-N. Y.
August 4, Barbarossa, Bremen-N. York.
August 4, Finland, New York-Antwerp.
August 4, Kroonland, Antwerp-N. York.

GRAFTED ROSES.

Extra Fine Plants, Free from Mildew.

KILLARNEY, 3½-in. pots.....$18.00 per 100
LIBERTY, KAISERIN, MAIDS, WOOTTON, 3½-in. pots, 15.00 per 100

OWN ROOT ROSES.

RICHMOND, PERLES, 3-in. pots.....$8.00 per 100
BRIDES, MAIDS, GOLDEN GATES, KAISERIN, LIBERTY, WOOTTON, 3-in. pots..... 6.00 per 100

SMILAX, Very fine, 2½-in. pots, $1.50 per 100.

J. L. DILLON, Bloomsburg, Pa.

70,000 CARNATIONS. **Bushy, Low-Topped Plants, Grown on New Ground Extra Large and Fine.** Lawson, Lord, Boston Market, Wolcott, Norway, Flora Hill, $5.00 per 100; $45.00 per 1000. Enchantress, very large, $6.00 per 100 $55.00 per 1000. Red Lawson, $8.00 per 100; $75.00 per 1000. Lower rate on second size.

ROSES.

	100	1000
RICHMOND BARGAIN to close them.		
Richmond, strong, 3-in.	$5.00	$45.00
Richmond, 2½-in.	4.00	35.00
Kaiserin, Chatenay, 3-in.	4.50	40.00
Bride, Maid, 3-in.	4.50	40.00

ROSES.

Meteor, very large, 3-in.	4.00	35.00
Bride, Maid, 2x3-in.	2.50	20.00

SMILAX, extra large, twice pinched back, 3-in., $4.00 per 100. Early strings from this fancy stock, 2½-in., $2.50 per 100.

W. H. GULLETT & SONS, Lincoln, Ill.

SPECIAL CLEARING SALE

Of strictly first-class stock only

GERANIUMS Short and strong plants from 2½-inch pots $1.50 per 100; $14.00 per 1000. Varieties: Beaute Poitevine, Mrs. E. G. Hill, S. A. Nutt, Mme. Buchner (white).

SMILAX Fine young plants from 2-inch pots, ready to plant, $1.00 per 100; $9.00 per 1000.

ASPARAGUS PLUMOSUS NANUS, from 2¼-inch pots, $2.00 per 100. Cash.

The W. T. BUCKLEY COMPANY, Springfield, Ill.

SPECIALTIES.

ROSES, from 3-inch pots. **CHRYSANTHEMUMS.**
CARNATIONS, for fall delivery. **SMILAX. VIOLETS.**

IN BEST VARIETIES.

Prices low. Send for list.

WOOD BROTHERS, Fishkill, N. Y.
Please mention the American Florist when writing.

It is good business policy to mention
The....
AMERICAN FLORIST
When you write to an advertiser

CUT GLADIOLI

Three acres of them in light colors.
$4.00 per 100.

ASPARAGUS SPRENGERI

Cut Sprays, any quantity, $1.00 to $3.00 per 100.
Heavy plants from bench, $5.00 per 100; $40.00 per 1000. 2½-inch, $3.00 per 100; $25.00 per 1000.

ASPARAGUS PLUMOSUS

2½-inch, $3.50 per 100; $30.00 per 1000.

ROSES

From bench. Maid, Ivory, Chatenay, $4.00 per 100, $35.00 per 1000.
Bride, Chatenay, Ivory, from 4-in., $5.00 per 100; 3½-in., at $4.00 per 100.

CALLAS

Greenhouse grown. Write for prices.

CARNATIONS

Field grown. Orders taken now for August delivery.

J. W. DUNFORD, Clayton, Mo.
Please mention the American Florist when writing

Queen Beatrice Rose.

Four to one shot. Four times as many flowers as Maid.

F. H. KRAMER, 916 F St., WASHINGTON, D. C.
Please mention the American Florist when writing.

The Seed Trade.

American Seed Trade Association.
H. W. Wood, Richmond, Va., Pres.; C. S. Burge, Toledo, O., First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas. Twenty-fifth annual convention at New York, 1907

FRENCH bulbs are now afloat and due in New York at an early date.

THE onion seed crop in California will be harvested about August 1.

THE onion set harvest is on in the vicinity of Chicago and results will soon be in shape to figure on.

VISITED CHICAGO: Arthur H. Luck of the seed department of the German Nurseries, Beatrice, Neb.

VISITED NEW YORK: Thos. Grey. of Boston, Mass.; G. Foucher, representing Denaiffe & Son, Carignan, France.

SEDALIA, Mo.—L. H. Archias and two daughters are the guests of Mr. Archias' brother, J. C. Archias, at Denver, Col., for a few weeks.

BEANS in northern New York have been doing well but have had somewhat too much rain. The crop promises at this time to be normal.

PEA crops in northern Michigan suffered somewhat from drought and hot weather the first half of July. Since that date prospects have improved.

NEW YORK.—Wm. C. Rickards, Jr., for the past 22 years with J. M. Thorburn & Co., and his brother, A. J. Rickards, for many years with Stumpp & Walter, have purchased the seed business of Alfred Bridgeman, 37 E. Nineteenth street, and will take it over at the same address August 1.

ONE of our Michigan correspondents writing July 18 says: "Peas are in good condition and if nothing unforseen occurs will harvest the best crop in several years. Early peas are being harvested under favorable skies. The stand of bean is very good and the color healthy, but the growth is short due to the cold spring. Under favorable conditions the crop will be good but if dry hot weather prevails the yield will be shortened to a certain extent."

Nebraska Seed Crops.

Waterloo, Neb., July 16, 1906.—The results of my inquiries, says one of our correspondents, is that vine seeds have not done as well as they should, cucumbers especially. Squash is best. The weather has been wet and rather too cold for this class of crop. The corn on low ground suffered from too much moisture and looks yellow, but a turn of the weather will change all that. Work on gathering onion sets was begun July 10, a lot of Australian Browns being ready then. The local acreage is about 50 acres and the yield promises to exceed the average.

Another correspondent writes July 24 as follows: "Our vine seed crops are doing as well as they should at this season, although we have promise of a fair crop. The nights are cold and there has been rather too much rain. Aphis has shown up in spots, but we hardly expect serious damage from this. Sweet corn in the later varieties is looking fine, while prospects on early kinds are not so good. On the whole the season has been an average one and an average crop will no doubt be harvested."

5,400 ACRES OF GARDEN SEEDS IN CULTIVATION.

Braslan Seed Growers Co.

WHOLESALE SEED GROWERS.

SAN JOSE, CALIFORNIA.

Connecticut Seed Crops.

Orange, Conn., July 23, 1906—Seed crops at present in Connecticut are very far from a satisfactory condition. The last three weeks in July have been exceedingly muggy and rainy, almost every day there has been a heavy shower and this at the time when carrot, beet, onion, etc. are in the blossom makes it looks as if the crop of all of these would be exceedingly light. Kale and turnip on the other hand have been badly damaged in the field after harvest by the weather, it being almost impossible to secure the seed except in a very much damaged condition.

Many fields of onion will be almost a total failure from blight and from the weeds, as it has been impossible to get into the seed for three weeks owing to the fact that seed if worked during wet weather is sure to blast.

Sweet corn is looking well at this date, but the acreage is far from as large as it was last year.

S. D. WOODRUFF & SONS.

Milford, Conn., July 14, 1906.—We can not agree with the writer of a previous article about the large acreage of onion seed. We believe the acreage is far less than in previous years. The crop looks fairly well at present, but with indications of blight thus early in the season. Regarding corn we think the crop very late, with a fairly good staud, but far less acreage than is usual. Beet seed is looking remarkably well at this writing, other seeds about an average."

EVERETT B. CLARK CO.

Onion Sets at Louisville.

Wood, Stubbs & Co., of Louisville, Ky., kindly supply THE AMERICAN FLORIST with their views on Louisville and general onion set conditions in the following letter under date of July 13:

"The acreage of onion sets sown in the vicinity of Louisville this year was about the same as usual, but owing to unfavorable weather many of the seeds did not come up altogether satisfactorily and it looked at one time as if the crop would be very much shortened.

"However, as the season has been fairly favorable for the growth of sets (not too wet) those that were thought at one time would make altogether pickle onions have turned out fairly well and we are looking for a fair average crop of sets of good quality.

"Last season, owing to the very wet weather and the continual rain during harvesting, many Louisville sets were of very bad quality, especially whites. In fact, it was almost impossible to get white sets of very good quality. We are not anticipating any such trouble this year and there will not be anything like the shrinkage there was last year.

"Some sets have already been dug, though no movement in the crop has taken place as yet. From crop reports in other sections it seems to us that sets will be somewhat higher than they were last year, and we are anticipating considerably higher prices in the winter and early spring months than ruled last year."

Free Seed Distribution.

At a meeting of the executive committee of the National Agricultural Press League held at St. Louis, Mo., recently, the following resolution was adopted:

Resolved, That the National Agricultural Press League is opposed to the government distribution of free seeds except so far as is necessary for experimental purposes in the introduction of new, rare and valuable seeds within the meaning of the original act authorizing seed distribution. The distribution of ordinary field, vegetable and garden seeds as a gift from the government is a degeneration from the original purpose and is not approved in principle or practice by self-respecting farmers or farmers' associations throughout the country, and there is no more to be said in favor of government seed distribution as at present conducted than there would be in favor of a regular distribution to farmers or any other class of citizens of free beef, free sugar or free flour at the expense of the taxpayers of the country.

It is directed that a copy of this resolution be sent to all senators, members of congress, the United States Agricultural Department, agricultural papers and to others interested.

(Signed) PHILIP H. HALE,
CHARLES F. MILLS,
JOHN M. STAHL,
Ex. Com. Agricultural Press League.

European Seed Crops.

One of the leading Erfurt growers writes as follows, July 7, 1906:

"In consequence of the long wet spell in May and the cold weather at the beginning of June everything is so backward that nothing can be said as yet with regard to the crop prospects. The few biennials in bloom, such as Campanula Medium, Dianthus barbatus, digitalis, Vienna carnations, Dianthus plumarius, matricarias and pansies are promising a good crop. Larkspurs also promise well providing the wet weather we experience at present does not continue. Open ground annuals, such as nemophilas, eschscholtzias, phacelias, etc., are healthy. Of other annuals there are only phlox, silene, and clarkias in bloom. Asters suffered from the wet, but they can still recover." Another important house writes:

"It is as yet too early to form an opinion about seed crops. The weather has been favorable so far, but fall planted pansies have suffered and did not winter through well. The outlook for the crop of this article is not promising as yet."

From a Quedlinburg grower we hear:

"The stand of the growing crops of flower seeds is in general very good.

Pansies, however, especially the choicer sorts, and asters have been somewhat injured by rain."

About Shipping Onion Sets.

During the last two or three years almost the entire bulk of onion sets shipped from the Louisville market were put in burlap bags. Formerly crates and barrels were used almost exclusively, but the weight of the package, besides its expensive cost, adds very largely to the net cost of the onion sets, transportation charges included, to the consignee.

In our opinion sets will carry in bags a long distance as well or better than in ventilated barrels, as they get more air if properly packed in cars. In car lot shipments early in the season ventilated cars—cattle cars and box cars, with doors wide open and slatted—should be used. In November and December in our latitude ordinary box cars are used. In the latter part of December, January, February and March, refrigerator cars are used.

Onion sets frozen in transit will not be hurt seriously in one case out of a hundred providing care is used in handling when they are received in this condition. When frozen even slightly they must not be emptied out of the packages in which they are received, and must be handled very carefully so as not to cause bruising. Arriving in this condition, if put in a moderately cool room and allowed to remain there until thawed out, they will return to a sound, firm condition and do not appear to be injured so far as their producing qualities are concerned.

DELAYS IN TRANSIT.

Reliable dealers use every precaution to have sets reach customers in first class order. In winter bills of lading should read, "Rush—Perishable," and the sets should be traced to their destination.

However, onion sets will sometimes arrive in bad condition, due to delay by transportation companies. Whenever serious damage results from these delays by the transportation companies, the companies are responsible, and will or should pay claims for this damage to the consignee.

In case there has been any undue delay by the transportation companies, sets should be taken out at once from the depots and the attention of the proper authorities called to delay in arrival, also if plain evidence can be shown that injury has been done, the paid freight bills must be marked, "Received in bad order" by the railroad official who makes delivery to the consignee.

If these precautions are adopted, unnecessary disputes and delays will be avoided in the collection of claims.

WOOD, STUBBS & Co.

The Spring Business.

REPORTS OF LEADING HOUSES.

Amzi Godden Seed Co., Birmingham, Ala.—Our past season's business has been fully 30 per cent greater than any previous year. The increase in garden seed proper has shown very little increase. This was doubtless due to the very much decreased acreage throughout the south in vegetable crops; and the prospective high price for cotton has had considerable to do with the acreage devoted to vegetable crops. The increase in our business can be attributed to the improved demand for all sorts of farm seed. The weather thus far has territory, which has doubtless contributed been very seasonable throughout our somewhat to the unusual demand for grass seed and forage plants of every description. Our greatest percentage of increase in business has been through the medium of our catalogue.

Roemer's Superb Prize Pansies

The finest strain of Pansies in the World.
Introducer and Grower of all the Leading Novelties.
Highest Award Inter. Exhibition at Hamburg, 1897. Catalogue free on application.

FRED ROEMER, Seed Grower QUEDLINBURG GERMANY.

BULBS AT TALKATIVE

The Finest Quality Bulbs Grown.

Satisfied customers in all sections of the country. Send us your list for special import prices.

1st size named **S. Hyacinths**.....$5.50 per 100
2nd size named **S. Hyacinths**..... 4.00 per 100
Single unnamed **Hyacinths**..... 2.25 per 100

Per 1000
Mammoth **Freesias**, Refracta Alba.....$8.50
Extra selected **Freesias**, Refracta Alba ... 4.50

HOLMES SEED CO. Harrisburg, Pa. **PRICES**

Now Ready

FREESIAS.

CALIFORNIA GROWN.

	Per 100	1000
Choice, ½ to ¾-in...	.65	5.00
First Quality, ⅜ to ½ in.....	.45	3.00

BERMUDA GROWN.

Mammoth, ½ to ¾-in..per 100, $1.00: per 1000, $9.00
Choice, ⅜ to ½-in....per 100. .85: per 1000. 7.50

VAUGHAN'S STAR-SHAPED WHITE

This is a pure white variety with narrow petals and star-shaped flowers borne on long stems. It is a decided improvement over the ordinary Freesia and well worthy of a trial. Per 100, $1.50: per 1000, $12.00.

OXALIS BERMUDA BUTTERCUP.

Strong Bulbs.....per 100, $0.85: per 1000, $7.50
Mammoth Bulbs.....per 100, 1.00: per 1000. 9.00

Write for samples and prices on large lots.

VAUGHAN'S SEED STORE,

CHICAGO, 84-86 Randolph St. NEW YORK, 14 Barclay St.

Please mention the American Florist when writing.

WHEN BUYING **MUSHROOM SPAWN** Buy the Best You Can Get.

We Grow Mushrooms. We are headquarters for **"PURE CULTURE" SPAWN** and importers of **ENGLISH MUSHROOM SPAWN.**
Write us and we will send you free of charge valuable information on the subject.
Fresh Supply of Spawn Every Month.

KNUD GUNDESTRUP & CO., MUSHROOM SPECIALISTS.
4273 Milwaukee Ave., CHICAGO.

PACIFIC SEED GROWERS' CO.
411-415 SANSOME STREET
SAN FRANCISCO, CAL.
Specialties:
Onion, Carrot, Lettuce, Sweet Peas

PLANT NOW. LILIUM HARRISII FOR EARLY FORCING.

We offer some extra choice Lilium Harrisii which has been grown for us from the original, pure stock. This is the kind of stock that you want for the very earliest forcing, as it is the true, original Harrisii. The small sizes, 5-7s and 6-7s are particularly desirable for this purpose, as they will flower more quickly than the larger bulbs. If you want to get a little of the original, pure Harrisii, try a case or two of this. As our stock of this is limited, we can offer only a few cases to a single buyer. If you have been dissatisfied with the Harrisii that you have forced heretofore, try a case or two of this, and see if it is not more than worth the difference in price over the stock that you have been buying. In ordering, ask for the pure selected strain of original Harrisii, which we offer as follows:

5 to **7**-inch bulbs, 400 to the case	per case.	**$17.00**
6 to **7**-inch bulbs, 350 to the case	per case.	**17.50**
7 to **9**-inch bulbs, 200 to the case	per case.	**18.00**
9 to **11**-inch bulbs, 100 to the case	per case.	**18.00**

EASTER COMES EARLY NEXT YEAR—MARCH 31—and a great many growers will want to use Harrisii instead of Longiflorum so as to be sure to have the plants in flower in time, as the season is going to be short for Japan Longiflorum. The crop of Harrisii this year is the shortest it has been in years, and in view of the extra demand, we advise those who have not already covered their requirements to lose no time in doing so.

For very earliest forcing—Christmas and later—we recommend the pure Harrisii offered above, but for later forcing, for Easter, our customers will find the regular stock offered below first-class stock—much better than the average stock usually offered. We can quote the regular stock as follows:

6 to **7**-inch bulbs, 350 to the case	per case.	**$14.00**
7 to **9**-inch bulbs, 200 to the case	per case.	**15.00**
9 to **11**-inch bulbs, 100 to the case	per case.	**15.00**

FREESIA REFRACTA ALBA, the true white variety. Now ready. Finest Bermuda-grown stock, $1.00 per 100: $7.50 per 1000.
BERMUDA BUTTERCUP OXALIS, $1.00 per 100: $7.50 per 100.

F. R. PIERSON CO.
Tarrytown-on-Hudson, New York.

Glen Cove, N. Y.

The regular monthly meeting of the Nassau County Horticultural Society was held at the usual place July 11. The attendance was large, with President Harrison in the chair. There was one nomination for active membership. The prize for the best exhibit of sweet peas, three varieties, 25 of each, was awarded John F. Johnston. In the competition for points S. J. Trepess scored 92 2-3 with peaches, melons and Nephrolepis Whitmani; A. Mackinzie 90 2-3 with adiantum, caladuim, and peaches; Felix Mense 81 2-3 with hollyhocks, roses, and stocks. H. F. Meyer made an exhibit of outdoor grown vegetables and fruits including lima beans, tomatoes, sweet corn, cucumbers, peppers, and blackberries, and received special mention from the judges for same. A silver match safe will be given, at next meeting, for best exhibit of six varieties of vegetables. W. Williams tendered his resignation as a member of the executive committee and F. Boulon, of Sea Cliff, was appointed in his stead.

ABUNDANCE!

Healthy stock, field-grown plants, 1st size, $12 per 100; $100.00 per 1000; 2nd size, $10 per 100; $75 per 1000; 250 at 1000 rates. Delivery 15th of August. Cash with order.

Abundance is an easy lifter, takes hold quickly and makes good sized stems on first crop.

Freesia Purity bulbs all sold out clean.

RUDOLPH FISCHER,
GREAT NECK, L. I., N. Y.
Please mention the American Florist when writing

ROSES ROSES ROSES

We have the following in 2½ and 3-inch rose pots: American Beauties. Richmond, Brides, Maids, Meteor, Ivory, Golden Gate, Perle des Jardins, Chatenay, Souv. de Wootton, Aug. Vic. Kaiserin. Write for prices.

FERNS.

Boston, Piersoni, Scottii, Barrowsii, Elegantissima.
Order now for Summer.

Smilax, Cinerarias, Cyclamen, Celestial Peppers, Ficus, Gloxinias, Tuberous Rooted Begonias, Fancy Leaved Caladiums, Rex and other Begonias.
Write for Price List.

GEO. A. KUHL, Pekin, Ill.
Wholesale Grower for the Trade.
Please mention the American Florist when writing

Now is the Time
to Subscribe to the
Horticultural Trade Journal

Published weekly. The Largest Brightest, and Best British Trade Publication. Also

THE INTERNATIONAL EDITION

Published quarterly. Annual subscription for weekly and quarterly numbers, One dollar, (International money order). Subscribe to-day and keep in touch with European markets and topics.

THE HORTICULTURAL PRINTING COMPANY,
BURNLEY, ENGLAND.

ASPARAGUS Plumosus Nanus from flats, $6.00 per 1000

large 3-in. **Plumosus Nanus**, $18.00 per 1000. Cash with order, prepaid. **Sprengeri**, from flats, $6.00 per 1000. The **Royal Palms of Cuba**, $2.00 per 1000.

YALAHA CONSERVATORIES,
YALAHA, LAKE CO., FLA.
Please mention the American Florist when writing.

DAHLIA ROOTS and PLANTS.
David Herbert & Son,
Successors to
L. K. PEACOCK, Inc.
ATCO, N. J.

AM. BEAUTY
Remnant of Surplus Stock,

3 and 3½ in., $20.00 per 1000. Beauty plants dropped some leaves. Worth more, but desire quick sale These Beauty plants a money maker for some one to pot for holidays. Unless known, cash with order.
BRANT & NOE FLORAL CO.
W. Peterson and N. 48th Aves., CHICAGO.

ROSES, Grahams and Maids

Large plants, strongly branched, will give immediate returns, 3-inch, ready for planting or shift, $5.00 per 100; $45.00 per 1000.

BEST NAMED BEGONIA REX,
2½-inch, $5.00 per 100.

NATHAN SMITH & SON,
Adrian, Mich.

Nephrolepis Scottii.

Small plants from the benches, $5.00 per 100; $50.00 per 1000. Plants large enough for 6-inch pots, $25.00 per 100. Plants large enough to go in 7 and 8-inch pots, $50.00 per 100.

Asparagus Plumosus Nanus, 2¼-inch, fine plants, $3.00 per 100.

JOHN SCOTT,
Rutland Road and East 45th Street, BROOKLYN, N Y.
Telephone 2890 Bedford.

5,000 PALMS.
SUMMER BARGAINS TO MAKE ROOM.

	Per 100
Lantania Borb., 2¼-in. pots	$ 4.00
" " 4½-in. pots	25.00
" " 5-in. pots	30.00
Kentia Balmoreana, 3½-in. pots	20.00
" " 4½-in pots	30.00
Boston Ferns, 2½-in. pots	4.00
Farfugium Grande, 3½-in. pots	10.00
" " 5-in. pots	15.00

Field grown **Bouvardias and Carnations** priced on application. Address
NANZ & NEUNER, Louisville, Ky.

Chrysanthemums..

Monrovia, October Sunshine, Willowbrook, Mme. Bergman, Robinson; well rooted cuttings at $15.00 per 1000; plants from 2-in. pots, $25.00 per 1000.

ELI CROSS,
Grand Rapids, Mich.

THE CHRYSANTHEMUM MANUAL.

By Elmer D. Smith.

PRICE 25 CENTS.
Cash with order.

American Florist Co.,
324 Dearborn St., CHICAGO.

SMILAX

	Per 100
2¼-inch pots, $9 00 per 1000	$1.00
ASP. PLUMOSUS, 2½-in. pots, Aug. 1	2.00
CINERARIAS, Aug. 1	2.00
PANSY SEED, large, flowering, per oz	4.00

PRIMROSES

	Per 100
Chinese, 2¼-in., ready July 23	$2 00
Obconica Rosea and Alba	2.00
Forbesi, fine for cut flowers	2.00
PAPER WHITE NARCISSUS, 13 ctm., 13 up.,	1.25

—CASH PLEASE.—

JOS. H. CUNNINGHAM, Delaware, Ohio.

ROSE PLANTS.
Fine, Strong Plants, from 2½-inch Pots.

	Per 100	Per 1000
RICHMOND	$5.00	$40.00
" 3-in.	6.00	50.00
Kaiserin, 3-in.	4.00	35.00
Am. Beauty	6.00	50.00
" " 3-in.	7.00	60.00

	Per 100	Per 1000
Liberty	$3.00	$25 00
Sunrise	5.00	40.00
Kaiserin	3.00	25.00
Chatenay	2.50	22.50
Ivory	2.50	22.50

PETER REINBERG,
51 Wabash Avenue, CHICAGO.

Cyclamen

SEED.

	100 Seeds	1000 Seeds
Snow flaked, new, giant flowered	$1.00	$7.00
Dark red, bright red, brilliant pink, white with red eye, pure white, large flowering, lilac colors	.65	4.00
Salmon pink	1.00	6.00
Fringed varieties, all colors, mixed	.75	5.00

The above seeds are from our own cultivation, and are of the best giganteum type, and are unexcelled for strong, compact habits of growth and elegant form of their gigantic flowers.

The seed we offer is of the very best quality only, and this year's crop. Terms cash.

My cyclamen awarded first prize (silver state medal) and two diplomas at the Thuringian Horticultural Exposition last year.

GEO. HUBER, Cyclamen Grower,
GOTHA, GERMANY.

OFFERED FOR SALE
AT REASONABLE PRICES.

Paeonia Chinensis, Festiva Maxima, Duchesse de Nemours, Queen Victoria, Mons. Chas. Leveque, Eugene Verdier, Meisonnier, etc.
Narcissus, Double von Sion, Golden Spur.
Spiraeas, Gladstone, Superbe.
Hyacinths, Tulips and all kinds of Dutch Bulbs and plants.

Prices on Application.

L. VAN LEEUWEN & SON,
WHOLESALE BULB GROWERS,
Sassenheim, Holland.

PANSY SEED.

Brown's extra Select superb giant prize Pansies awarded silver medal St. Louis Exposition, 1904. My own grown, new, 1906 crop, ready.

PRICE MIXED SEED:

3,000 seeds	$ 1.00
¼ oz.	1.50
½ oz.	2.50
1 oz.	5.00
¼ lb.	14.00
½ lb.	25.00
1 lb.	50.00

Cash with order.

PETER BROWN,
LANCASTER, PA,

H. WREDE,
LUNEBURG, GERMANY.
PANSY SEED

169 First Prizes, the highest awards Chicago Hamburg Paris, London.

1000 Seeds, finest mixed....25c
1 oz. " " " ..$2.25

Price List on application. Cash with order.

Coronation Pansy Seed

The best strain ever produced.
Mailed free, $2 per ounce.

The BEDFORDSHIRE SEED CO., Ltd.
SANDY, ENGLAND.

American Florist Ads

Always do business
Week days and every day
Sundays and holidays
All over the country
At home and abroad.

SOW NOW.

VAUGHAN'S INTERNATIONAL PRIMULA MIXTURE.

This mixture is composed of the most salable colors, the best whites, pinks and reds, with a sprinkling of other colors enough to give a large variety of colors, the most important shades predominating. We have taken special pains to make this mixture as complete as possible, and unreservedly recommend it to everyone.

Pkt. of 250 seeds.....50c
5 pkts. 1250 seeds.....$2.00
Per 1-16 oz.....2.50

NEW GIANT PRIMULAS.

This new strain is a vast improvement on the older varieties, the flowers being considerably larger.

Giant Pink, Blue, Pure White and Copper Color, each, pkt. of 250 seeds.....**50c**
Giant Mixed, includes this year a number of new shades, pkt., 350 seeds.....**50c**
Primula Obconica Grandiflora, mixed, 1-16 oz., **60c**; Trade pkt., **25c.**
Primula Obconica, large flowering, pink, 1-16 oz., **85c**; Trade pkt., **25c.**
Primula Obconica, large flowering, white, 1-16 oz., **85c**; Trade pkt., **25c.**

CHINESE PRIMULAS.

	250 seeds	1000 seeds
Chiswick Red, bright red	$ .50	$1.75
Alba Magnifica, snow white, of excellent form and habit	.50	1.70
Glowing Coal, the darkest red	.50	1.75
Blue, a clear sky-blue	.50	1.70
Upright Deep Velvety Red	.50	1.90
Bridesmaid, brightest pink	.50	1.75
Mont Blanc, large, pure milk-white	.50	
Mixed, a splendid variety, ⅛oz. $3.00	.35	1.25

CALCEOLARIA HYBRIDA.

Our mixture is composed of the choicest selections of the tigered, marbled, spotted and variegated varieties and we know will give entire satisfaction.

Trade pkt., 1000 seeds, **50c;** 3 trade pkts, **$1.25**

CINERARIA.

Vaughan's Columbian Mixture.

It consists of a mixture made up by ourselves of the choicest English, French and German strains and cannot be excelled in variety of colors, size, shape and substance of flowers and perfect habit of plant.

Trade pkt., 1000 seeds, **50c;** 3 pkts., **$1.25**

Biennial and Hardy Perennial Flower Seeds.

	Tr. Pkt.	Oz.
Anemone Coronaria, mixed	$ .10	$ .40
Aquilegia Chrysantha, ¼ oz. .20c	.15	.70
Chrysantha Grandiflora Alba, ¼ oz. .40c	.20	1.25
Cœrulea	.15	1.60
Vulgaris, double mixed, lb., $1.50	.05	.15
Bocconia Japonica (Plume Poppy), fine foliage plant	.10	.25
Campanula Persicifolia Grandiflora Alba, excellent cut-flower	.15	1.00
Persicifolia Grandiflora, blue	.15	1.00
Persicifolia Grandiflora, mixed	.20	1.20
Pyramidalis, blue	.10	.40
" Alba, white	.10	.50
Chrysanthemum Maximum (Ox-Eye Daisy), lb., $1.65	.05	.10
Maximum Prince Henry, early	.15	.50
Uliginosum, white, splendid fall bloomer	.20	1.50
Shasta, extra selected stock (Burbank's raising), 100 seeds, 50c		
Shasta, regular stock, ⅛ oz., 50c		
Candytuft, Sempervirens (Hardy Candytuft), white	.10	.40
Coreopsis Lanceolata, golden yellow	.10	.60
Delphinium (Larkspur), Elatum Hybridum, mixed, lb., $2.20	.05	.20
Kelway's New Hybrids. The seed we offer was raised from the finest collection of Larkspurs	.50	5.00
Formosum, blue, 3 feet, lb., $4.50	.10	.40
Dianthus Barbatus (Sweet William), single mixed, lb., $1.00	.05	.10
Giant-Flowered, single mixed	.10	.50
Giant-Flowered, double mixed	.15	.60

	Tr. Pkt.	Oz.
Dianthus Plumarius Cyclops, ¼ oz., 35c	$ .20	$1.00
Digitalis Gloxinæflora, mixed	.05	.20
Gaillardia Grandiflora, mixed	.10	.25
Kelway's. This is to our knowledge the choicest strain of Hardy Gaillardias	.50	5.00
Gypsophila Paniculata, fine for bouquets	.05	.15
HOLLYHOCKS. Our seed of this has been saved from the finest and largest double flowers only. Double White, Lemon Yellow, Pink, Blood-Red, Deep Rose Salmon, Crimson, each, ¼ oz., 30c	.15	1.00
Chater's Hollyhocks, double mixed, ¼ oz., 25c	.15	.80
Single Hollyhocks, good mixed, lb., $2.60	.10	.25
Allegheny Hollyhocks, mammoth flowering mixed	.25	1.00
Allegheny Hollyhocks, white, new	.25	1.00
Linum Perenne (Perennial Flax), blue, 6 feet	.05	.15
Perenne fl. albo, white	.05	.15
Lychnis Chalcedonica	.05	.20
Haageana Hybrids, extra choice	.15	.80
Sieboldi, large white flowers	.10	.40
Papaver Orientale Hybrids	.15	.85
Platycodon Grandiflora, blue	.05	.20
Grandiflora Alba	.05	.25
Pyrethrum Roseum, single mixed	.10	.60
Roseum Hydridum Grandiflorum, giant flowered, ¼ oz., 50c	.25	

10 PER CENT SPECIAL CASH DISCOUNT
On orders over $2.00 for above Flower Seeds if the cash is enclosed.

VAUGHAN'S SEED STORE, NEW YORK, 14 Barclay St.
CHICAGO, 84-86 Randolph St.

GREENHOUSES AND NURSERIES: WESTERN SPRINGS, ILL.

Please mention the American Florist when writing.

HOME GROWN FREESIA BULBS

CHOICE, PURE WHITE STRAIN. A profitable crop to grow.

Large size bulbs	**$1.00** per 100;	**$7.00** per 1000.
Good blooming size	**.75** per 100;	**4.50** per 1000.
Small blooming size	**.50** per 100;	**3.50** per 1000.

NEW CROP STOKES' STANDARD PANSY SEED

Unexcelled for Size of Bloom, Texture, Rich and Varied Markings.

Trade Pkt. (2000 seeds), 50c; 5000 seeds, $1.00; per oz., $5.00; ¼ lb., $14.00; ½ lb., $25.00.

STOKES' SEED STORE,

(WALTER P. STOKES, of the late firm of Johnson & Stokes.)

219 Market Street, PHILADELPHIA, PA.

Please mention the American Florist when writing.

The Nursery Trade

American Association of Nurserymen.
Orlando Harrison, Berlin, Md., President; J. W Hill, Des Moines, Ia., Vice-President; George C. Seager, Rochester N. Y., Sec'y.
Thirty-second annual convention, Detroit, Mich., June, 1907.

PORTLAND, ORE.—J. B. Pilkington has gone to Europe to investigate the walnut culture and select nursery stock for his fall trade. He expects to return about September 1.

ELMSFORD, N. Y.—Wm. Scott, who has been superintendent on the Eastman estate at Tarrytown, and Jas. T. Scott, for the past two and a half years traveling salesman for the F. R. Pierson Co., at the same place, have started a general florist and nursery business here with 30 acres of land. A modern range of greenhouses is being erected. The firm, to be known as the Elmsford Nurseries, will devote its attention to such specialties as carnations, gardenias, foliage plants and grafted roses. A general line of bedding and other plans will be carried.

Pacific Coast Nurserymen.

The fourth annual meeting of the Pacific Coast Association of Nurserymen, held at Tacoma, Wash., July 11, was well attended, California, Oregon, Washington and British Columbia all being represented by strong delegations. An able program was well carried out, and there were also some notable exhibits. A feature of the convention was a trip to the Puyallup valley on invitation of the fruit growers of that region and the Puyallup board of trade. Officers for the ensuing year were elected as follows: F. W. Power, Chico, Cal., president; C. F. Lansing, Salem, Ore., W. D. Ingalls, North Yakima, Wash., C. W. Howard, Riverside, Cal., M. J. Henry, Vancouver, B. C., P. A. Dix, Salt Lake, Utah, and C. P. Hartley, Caldwell, Idaho, vice- presidents; C. A. Tonneson, Tacoma, Wash., secretary-treasurer. On invitation from the California delegation the association decided to hold a special meeting in that state in connection with their State Fruit Growers' and Inspectors' Association.

Care of Transplanted Trees.

In the work of beautifying the grounds of the Jamestown Exposition, near Norfolk, Va., many thousands of trees and shrubs were skillfully and scientifically transplanted, some of them being brought from long distances and carefully transplanted along the walks and drives of the grounds. The work was done under the direction of Warren H. Manning, the well known landscape designer, and Chas. H. Pratt, superintendent of the grounds, and the results obtained attest to its excellence. Concerning the transplanting of trees and the attention they require, Mr. Manning said:

"Watching, mulching, watering, trimming, fertilizing is the order of the day now on the exposition grounds. The trees and shrubs are being closely watched to note their behavior after the shock of removal. The removal of a plant means a loss of roots and a change in conditions that requires, especially in the larger trees, a large stock of vitality to secure a safe recovery. First, the roots that help to pump the water from the ground to the leaves to supply the loss from evaporation must get to work promptly; some trees are dead because the drainage was not good enough to take the standing water out of the holes, and the tree roots were drowned, as they surely will be if the roots are completely submerged in water for a long time. Others, we know, died because a sudden freeze following a rain storm caught the roots before sufficient top soil could be secured to cover them completely.

"Some of the cedars, as they were being rafted across the waters of the marsh, were caught in a sudden squall, and their roots were given an involuntary salt water bath; these trees seem to lack sufficient vitality to make a good recovery, or perhaps their roots were cut too short.

"With all the adverse circumstances that must come to trees moved for miles in all weather over all sorts of roads, and planted in soil only recently drained, the loss in the 1,500 big trees promises to be below the average of the first year of such planting. The loss in the shrubs is, with very few exceptions, much below the average. Some of the finest kinds, like the evergreen, wild myrtle, the wild roses, flowering dogwood and mountain laurel are almost all alive and growing vigorously..

"Mulching, that is, covering the surface over the roots, helps newly planted shrubs to gain a foothold, because it keeps an even condition of temperature and moisture at the roots. We are using coarse manure, grass and leaves for this purpose. The manure supply, always an important consideration, is here secured by supplying the contractors with bedding for their horses with the understanding that they allow the manure to be used on the plantation. Thus grass that must be cut, and would otherwise be useless is made to bring a return, just as a return of fertilizer is secured from the ashes of the brush and wood that is burned in the clearing operations.

"Where trees and shrubs are growing vigorously little or no water is required, but where they are starting slowly, then the ground about the roots is well water soaked about once a week in dry weather. About the tree holes are punched to the depth of the roots, and these holes are repeatedly filled in succession until the ground is soaked. A light daily sprinkling is often worse than useless, as it causes the surface to bake hard, a condition more favorable to rapid evaporation of moisture than is a mulched or loosely dug surface.

"Trees and shrubs were either not trimmed at all or the tops were reduced by the removal of whole branches instead of by cutting off the ends of branches and leaving unsightly stubs. The plants were thus not mutilated in appearance, and where well rooted and vigorous started at once into good growth, as have most of the shrubs. The trees are more closely watched, and where they show a tendency to start into more vigorous growth part way down the branch they are trimmed back to this point.

"Insect enemies must also be watched for, as they are likely to spread rapidly and do serious injury, so an equipment for spraying must be ready at hand for such an emergency. Raising trees and shrubs, like raising children, requires constant care."

ON THE JAMESTOWN EXPOSITION GROUNDS.
The textile building.

TREES AND SHRUBS.
We make especially low prices on **Nursery Stock** to Parks, Cemeteries, etc. Wholesale price-list on application. We carry immense quantities of the finest named varieties of
PEONIES.
PETERSON NURSERY 503 W. Peterson Ave. CHICAGO, ILL.

New Orleans.

MEETING OF HORTICULTURAL SOCIETY.

The meeting of the Horticultural Society was held at 125 St. Charles street, July 19, with president P. A. Chopin in the chair. All of the officers and 37 members were present. President and Mrs. P. A. Chopin sent a letter of thanks for the pleasant remembrance of the society on their recent wedding and extended a cordial invitation to the society to visit them at their home. At a previous meeting, Chas. Wise, the aged florist, was elected the only life member of the society and a letter of thanks from him was read. One of the features of the meeting was the report of the finance committee that the treasurer holds $665 in bonds and cash. Secretary C. R. Panter's report was very gratifying, showing a membership of 50 and satisfactory conditions in every respect. Dan Newsham, nephew of the late florist of the same name, was admitted to membership by a unanimous vote.

After the meeting the members assembled at the supper room of C. Kolb's restaurant where an elegant table was spread, a highly appreciated treat of the elected officers. Here a few hours was spent and many a toast was drunk to the success of the society.

The following members expect to attend the S. A. F. convention at Dayton, O.: President O. Abele, state vice-president P. A. Chopin, W. Rehm, H. Papworth and H. Elwell.

Columbia, Mo.

Trade in this city during the past spring season has been better than ever known here before. An awakening of civic pride has struck the natives and people are beginning to appreciate the value of flowers. Thousands of flowers are now growing and blooming where only weeds grew before. This stimulus to landscape work has been largely due to the extensive and effective work done during the past 2 years on the campus of the University of Missouri.

Chas. Koeppen is rebuilding his greenhouses and store. The new building will be a great improvement over the old one and will better enable him to handle the greatly increased demand for pot plants and cut flowers.

SANTA BARBARA, CAL.—An exhibition of roses will be held here by the Santa Barbara Horticultural Society August 22 and 23.

Just to hand, fine importation of

Bay Trees, Box Trees

Standards and Pyramids.

Euonymus, Evergreens.

New price list on application.

JULIUS ROEHRS CO. Importers, Rutherford, N. J.

The Storrs & Harrison Co.

PAINESVILLE NURSERIES.

CATALOGUES AND PRICE LISTS FREE ON APPLICATION.

PAINESVILLE, OHIO.

Send to **THE MOON** Company

For Your { Trees, Shrubs, Vines and Small Fruits.

Descriptive Illustrated Catalogue Free

THE WM. H. MOON CO., Morrisville, Pa.

D. and C. Roses Are the cheapest because they are the best. We have in stock over 1,000 varieties on own roots including all the New European and American varieties of merit, as well as all the old varieties. All sizes from 2½-inch pots up. We can also offer 40 of the leading and newest varieties of Cannas including Mont Blanc, also miscellaneous lists of Plants and Shrubbery, at prices that will make it worth your while to send us your lists for quotations before buying elsewhere. Send for a copy of Our New Guide to Rose Culture, for 1906, a handsome book of 116 pages. Free for the asking.

The DINGEE & CONARD CO., West Grove, Pa.
Established 1850. 70 Greenhouses.

PAEONIES.

Over 100 named kinds, including a collection of Japanese varieties, Officinalis, in 4 kinds, besides a selection of favored kinds in all colors, from early to late for cutting in succession. Prices very low for good stock, true to name and description. A grower of over 40 years' experience, **Send for list.**

F. A. BALLER, Bloomington, Ill.

Metairie Ridge Nursery Co.

H. PAPWORTH, President.

NEW ORLEANS, LA.

SPECIAL OFFER OF

LATANIA BORBONICA and RUBBER PLANTS.

Grand young stock from 4-inch pots.
Write for prices on large lots.

Jacs Smits, Ltd. NAARDEN, (Holland.)

GROWERS OF

Rhododendrons, Azaleas, pot grown Shrubs for forcing, Lily of the Valley, Spiræa, Paeonias, Roses, Climbing Plants, good varieties of Conifers and all ornamental stock.

Personal Inspection Cordially Invited.

R. R. Depot, NAARDEN-BUSSUM, near Amsterdam.

Price list free on demand.

Strong Plants.	ROSES		On Own Roots.	
2½-in. pots.	100	1000	4-in. pots.	100
Cr. Rambler	$2.50	$20	Baby Rambler	$20
Wood, LaFrance	2.50	20	Crimson and Yellow Rambler	6
Meteor, G. Gate	2.50	20		
Notting	2.50	20	Charta, Masson	7
Diesbach, Laing	3.00	25	Diesbach, Wood	7
Masson, Caprice	3.00	25	Neyron, Laing	8

105 best sorts for fall 1906 and spring 1907.

THE LEEDLE FLORAL COMPANY SPRINGFIELD-OHIO.

ROSE PLANTS.

On own roots, 2½-inch pots, many 7, 8 and 10 inches high. Divide your order and compare our stock with others.

$2.00 per 100; $15.00 per 1000.

Crimson Rambler, Vick's Caprice, De Brabant, Ivory, Malmaison, Phila. Rambler, Meteor, Marechal Neil, Helen Gould, Mme. Masson

$2.00 per 100; $20.00 per 1000.

Genl. Jacq, Mme. Chas. Wood, Magna Charta.

C. M. NIUFFER,
SPRINGFIELD, : OHIO.

LARGE TREES.

OAKS and MAPLES.
PINES and HEMLOCKS.

ANDORRA NURSERIES,
Wm. Warner Harper, Prop.
Chestnut Hill, PHILA, PA.

PEONIES

Queen Victoria (Whitleyii), per 100....$ 9.00
Festiva Maxima, per 100..... 30.00
Fragrans (the bloom producer) per 100. 6.00
For 1000 rates and other varieties, write

GILBERT H. WILD, Sarcoxie, Mo.

PAEONIAS For Fall Delivery.

We are booking orders **NOW** from a large and well-assorted stock, carefully selected from hundreds of varieties tested. All have bloomed with us, and we guarantee them true to name. Send for special list, with prices.

—We are headquarters also for—

ROSES, CLEMATIS, AMPELOPSIS and HYDRANGEAS.

Use printed stationery. We sell at wholesale only.

JACKSON & PERKINS CO., Newark, Wayne County, New York.

Order Peony Plants Now

Complete list ready for distribution. Ship September 1. Stock guaranteed true. IT MEANS SOMETHING to carry away a SILVER CUP and NINE FIRST PRIZES out of twelve awarded at the Exhibition of the American Peony Society. That is what we did.

PETERSON NURSERY,

1301 Stock Exchange Building, CHICAGO, ILL.

Palms, Ferns, Etc.

WHOLESALE PRICE LIST.

	In.	Tiers.	Ea.	Doz.	100
Adiantum Capillus	5			$2.00	
" **Gracillimum**	4			1.25	$10.00
Araucaria Excelsa	4	2 to 3	$0.35	4.00	
" "	5	3	.75	9.00	
" "	6	3 to 4	1.00	12.00	
Areca Lutescens	5		.50	5.00	
Asparagus Plumosus	2				3.00
" "	3				6.00
" "	4			1.50	
Asparagus Sprengeri	2				3.00
" "	3				6.00
" "	4			1.50	
" "	5			2.00	

Asparagus Scandens Deflexus, a beautiful green for wedding and funeral work. 3-in. pots at $1.50 per doz.; 4-in. pots at $2.00 per doz.

Bay Trees, small standards, 12-inch heads, $5.00 per pair.

Bay Trees, pyramids, 5 feet high, $15.00 per pair.

Boston Ferns, 6-inch pots, $6.00 per doz.; 7-inch pots, $9.00 per doz.

Cocos, for dishes, 2½-inch, $1.50 to $1.75 per doz.

Cocos Bonetti, large specimens, $40.00 each.

Crytomium Falcatum, fine plants, 35c and 50c each

Dracaena Fragrans, 5-inch pots, 50c each: $5.00 per doz.

Dracaena Fragrans, 6-inch pots, 75c each: $9.00 per doz.

Dracaena Indivisa. We have a very large stock of fine plants, just the kind you need for the centers of vases. 2-inch pots, $2.50 per 100; 6-inch pots, 20 to 26 inches high, 50c each: $5.00 per doz.; 7-inch pots, 30 to 34 inches high, 75c each; $9.00 per doz.

Dracaena Massangeana, 8-inch pots, $2.00 each.
" " 9-inch pots, $3.00 each.

Dracaena Terminalis, 4-inch pots, 25c each: $3.00 per doz.; 5-inch pots, 35c each; $4.20 per doz.

Fern Balls, 7 to 9. Dormant or in leaf, $4.20 per doz.

Honeysuckle Vines, 4-inch pots, $8.00 per 100.

	In.	Each	Doz.
Kentia Belmoreana	3		$ 2.00
" "	4		3.60
" "	5	$0.60	7.20
" "	6	1.00	12.00
" "	6 xx	1.25	15.00
" "	6 xxx	1.50	18.00
" "	7	2.50	30.00
" "	6 made up	1.50	18.00
Kentia Forsteriana	5	.60	7.20
" "	6	1.25	15.00
" "	7	2.00	24.00
" "	7 made up	2.25	27.00
" "	8	3.25	

Maranta Lietzii, 2¼-in., $1.00 per doz.

Pandanus Veitchii, 7-in., $2.00 ea.; $24.00 per doz.
" **Utiles,** 3-in. ..... per doz., $1.50
" " 4-in. ..... per doz., 3.00
" " 5 in. ..... per doz., 5.00

Phoenix Canariensis, 2-in. ..... per doz., 1.00
" " 5-in. ..... per doz., 5.00
fine bushy plants, just the thing for vases, lawn decoration, etc., 10-in. pots, $3.00 each. Large specimens, $25.00 to $30.00 each.

Phoenix Reclinata, 3½-in. ..... per doz., $2.00
" " 4-in. ..... per doz., 3.00
" " 6-in., 50c each: per doz., 6.00
" " 7-in., 75c each.

Sansevieria Jav. Var., 4-inch at $2.00 per doz.

Scottii Ferns, 10-in. pots, $2.00 each.

Selaginella Denticulata, 3-in., per doz., $1.00.

Vinca Major Variegata, 4-inch, short, stocky plants, good for stock, $8.00 per 100.

Vinca Minor, Myrtle, a large stock in fine shape, 2½-inch, $2.50 per 100.

The Geo. Wittbold Co.

1657 BUCKINGHAM PLACE, CHICAGO.

Please mention the American Florist when writing.

PRIMROSES!!

Chinese, mixed, 2-inch, 2c.; **Obconica,** Grand Fimbriata, Alba, Rosea, Lilac, Carmine, $2.00 per 100. **Obconica,** Double and Sanguienia, $3.00 per 100. **Geraniums,** Viaud, Bernandian, Hill, etc., 2¼-in., $1.50 per 100. **Christmas Peppers,** 2½-inch, 2c. **'Mums,** Mrs. Tranter, 2-in., 2c. **Jerusalem Cherries,** 2½ inch, $2.00 per 100.

FERNS from bench, Boston and Piersoni, 4-inch, 10c.; 5-inch, 12½c. Tarrytown, 4-inch 15c.; 5 inch, 25c.; Scottii, 3-in., 8c.; 4-inch, 12½c.

BYER BROTHERS

CHAMBERSBURG, PA.

Please mention the American Florist when writing.

E. F. WINTERSON CO.

45-47-49 Wabash Ave., CHICAGO.

We are now receiving Fancy Long Stem Asters, all colors; also Gladioli, Auratum Lilies, Sweet Peas, Roses, American Beauties.

Our Carnations are the best on the market, and are fine for this season of the year.

Fancy Valley and all Greens always on hand.

ALL CUT FLOWERS IN SEASON.

"Leading Florists' Supply House of the West."

SPECIAL OFFER.

300 Bridesmaid, 3½-in. pots.....per 100, **$4.00**
175 Bon Silene, 3½-in. pots.....per 100, **4.00**
1000 Richmond, 2½ and 3-in. pots, per 100, **$5.00**
1000 Smilax, 2½-in. pots.....per 100, **1.25**

Cash with order.

GEORGE A. HEINL, Toledo, Ohio.

BEGONIA
"Gloire de Lorraine" and "Turnford Hall"

NOW READY FOR DELIVERY.

Propagated strictly from **Single Leaf;** this method gives much better results than from cuttings.

$15.00 ....per 100. **$140.00**.....per 1000.
4-inch pots, **$40.00** per 100.

ADIANTUM FARLEYENSE.

Fine specimens, **$18.00** to **$24.00** per doz. 1¾-inch pots, **$8.00** per 100. 2½ inch pots, **$15.00** per 100.

PANDANUS VEITCHII.

50c, $1.00, $1.50 and **$2.50** each. Good value guaranteed.

Cash with order from unknown correspondents.

J. A. PETERSON,

McHenry Avenue, WESTWOOD, CINCINNATI, OHIO

Please mention the American Florist when writing.

LUDVIG MOSBAEK,

ONARGA, ILL.

100,000 Asparagus Pl. Nana and **Sprengeri,** very strong and fine plants, ready for shift, 4-in., $10.00; 3-in., $5.00; 2¼-in., $2.50 per 100; 2¼-in., $20.00 per full 1000. Seedlings, $10.00 per 1000.

40,000 Ferns, in var.: **Anna Foster, Boston, Piersoni** and **Sword Fern** (Exaltata), very fine, pot grown, ready for shift, 6-inch, $30.00 per 100; $4.00 per doz.; 4-in., $15.00; 3-in., $8.00; 2¼-in., $4.00 per 100.

3,000 Nephrolepis Piersoni Elegantissima, 4-in., $50.00; 3-in., $20.00; 2¼-in., $12.00 per 100.

10,000 Geraniums and other Bedding Plants for stock, from 2¼ in. pots, $20.00 per 1000. List mailed.

Roses, Brides and Bridesmaids, 3-inch, in fine condition, $5.00 per 100.

Smilax, 2-inch, $2.00 per 100.

New Pansy Seed, Florists' International Mixture, 1 oz., $6.00; ⅛ oz., 75c; Giant Mixture, 1 oz., $4.00; ⅛ oz., 75c.

Please mention the American Florist when writing

BARGAINS SMILAX and ASPARAGUS

I need room, and rather than handle the the fo lowing stock a second time I offer it at these low prices, please send order in **NOW.**

ASPARAGUS SPRENGERI.

Fine, 2-inch pot stock at $1.50 per 100: $12.50 per 1000.

ASPARAGUS PLUMOSUS.

Fine plants from 2-inch pots at $2.50 per 100; $20.00 per 1000.

ASPARAGUS ROBUSTUS.

Extra strong fine plants: this variety is a great improvement over Plumosus and every grower should try at least a hundred. $3.50 per 100: $30.00 per 1000.

SMILAX.

As good as it can be grown, carefully cut back and with air space around each pot. $1.50 per 100; $12.50 per 1000.

GERANIUMS.

Send for my list of rooted cuttings. I have almost 200,000 stock plants to work from and want your orders for fall delivery.

ALBERT M. HERR, LANCASTER, PA.

A Few Good Things You Want.

Dracaena Indivisa, 4 and 5-inch, $10.00 and $25.00 per 100.

Asparagus Plumosus, 2-in., $3.00 per 100.

Asparagus Sprengeri, 2-inch, $2.50 per 100.

Geraniums, S. A. Nutt, Castellane, John Doyle, Perkins, Poitevine and Double Gen. Grant, La Favorite, Mme Saleroi, 2-in. pots, $2.00; 3-in. pots, $4.00 per 100. Rooted cuttings, $1.00 per 100

Vinca var., 2-in., $2.00 per 100; 3-in., $4.00 per 100.

Rex Begonia, nice plants, 2 and 2½-inch, $5.00 per 100.

Cash with Order.

GEO. M. EMMANS, NEWTON, N. J.

GOV. HERRICK THE COMING VIOLET

One that produces three times as many flowers as any violet ever offered for sale. It will please you. Order at once. Prices: $2.00 per doz.; $10.00 per 100; $75.00 per 1000; 5,000 or more at $60.00 per 1000. Send for description today.

H. R. CARLTON Willoughby, O.
INTRODUCER and ORIGINATOR.

Vaughan's Seeds TRADE MARK NEW YORK-CHICAGO

Vaughan's Pansies ARE BEST BY TEST..

NEW CROP SEED IS NOW ARRIVING.

10 PER CENT SPECIAL Cash Discount
On orders over $2.00 for Flower Seeds if the cash is enclosed **10 Per Cent.**

Vaughan's Giant Named Varieties:

	Trade Pkt.	⅛ oz.	Oz.
Giant White, very large, with violet eye	$0.10	$0.20	$1.20
" **Aurora,** pure white without blotches	.10	.20	1 30
" **Adonis,** light blue with a white center, very fine	.10	.20	1.20
" **Auricula Colors,** metallic shades	.10	.20	1.25
" **Black,** large true black	.10	.20	1.25
" **Beaconsfield,** upper petals light lavender, lower ones deep rich purple, almost black	.10	.20	1.20
" **Freya,** deep purple violet, with a white margin	.10	.20	1.30
" **Mme. Perret,** lovely shades of pink and rose	.20	.50	2.00
" **President Carnot,** fine blotched white	.10	.25	1.60
" **President McKinley,** fine blotched yellow	.10	.25	2.00
" **Pink,** lovely shades of pink, same as Hydrangea	.10	.25	2.00
" **Purple,** very large, rich deep purple	.10	.20	1.00
" **Violet Blue,** a very pleasing shade	.10	.20	1.00
" **Striped,** mahogany, striped and flaked white	.10	.20	1.20
" **Parisian Striped,** stripes are broader and louder than the preceding a good seller	.10	.20	1.30
" **Purple King,** a good new sort	.10	.25	1.50

	Trade Pkt.	⅛ oz.	Oz.
Giant Diana, cream color	.10	.25	1.50
" **Atrosanguinea,** blood red	.10.	25	1 50
" **Emperor William,** dark navy blue	.10	.20	1.25
" **Yellow,** immense flowers with dark eye ..4 oz.. $4.25	.10	.20	1.25
" **Cassier,** 3 spotted	.10	.20	1.20
" " 5 spotted, an A1 strain	.25	.45	3.00
" **Bugnot,** the flowers are of enormous size, perfectly round, of great substance	.25	.60	4.50

Giant Bridesmaid. Its ground color is a rosy white, rivaling in delicacy and beauty with the finest apple-blossom. Trade Pkt., 25c: ⅛ oz., 45c: Oz., $2.60.

Giant Psyche. Each flower is elegantly curled and undulated and in every respect a beauty in form and color. Trade Pkt., 25c: ⅛ oz., 70c: Oz., $5.00.

Giant Pretiosa. Each petal is marked with a very large blotch of deep violet color: these blotches are surrounded by a brilliant crimson rose background, and the ground color is margined with a pure white edge. Trade Pkt. (250 seeds). 25c: ⅛ oz., 35c: Oz., $2.50.

BOULOGNE GIANTS. This is a special selection of a French pansy grower: the flowers are of the largest size, of great substance and fine form, and are borne on particularly strong stems. They are mostly 3 and 5 blotched, delicately veined, while the colors are rich and varied. Like all high-bred pansies, they are shy seed bearers Trade Pkt., 50c.

GIANT VOLCANO. Color, bright dark red, each petal being marked with a very large dark blotch. The flowers are of large size and good substance, and the edges of the petals are curled like those of "Masterpiece, from which it is a selection. Trade pkt., 25c.

MARECHAL NIEL. The flowers are very large, without any blotches or veins, and are of the same pleasing, delicate cream color as the rose whose name it bears. Pkt., 10c.

ROSY MORN. A bright purplish crimson margined with a clear white edge. In early spring the color is very deep and rich; as the weather grows warmer, the color gradually turns a pleasing rosy carmine and the silver edge becomes wide. Trade Pkt., 25c: ⅛ oz., 60c.

SIEGFRIED. Of giant size, the flowers are borne on strong stems. They are mostly 5 spotted, with a clear white margin. The colors are of rich brown shades such as are found in the English wall flowers. Trade Pkt., 25c.

Special Mixtures:

VAUGHAN'S INTERNATIONAL PANSIES—The Worlds' Best. This is a combination of as many separate colors, types, blendings and unique kinds as can be found in the world. **It is the best general mixture in existence** and is most widely known and popular. Price per oz., $10.00: ½ oz., $5.00: ⅛ oz. $1.50; trade pkt. 50c.

VAUGHAN'S CUT FLOWER MIXTURE OF PANSY SEED. Especially made from light colored Giant varieties for florists who raise for cut flowers in the house. Trade pkt., 25c: ¼ oz., 80c: Oz., $5.50.

VAUGHAN'S "GIANT PANSY MIXTURE." This mixture includes the richest reds, coppers and bronzes, together with the most delicate rose and pink shadings, all the distinct colors of Trimardeau, the splendid Cassier strain with its delicate veinings. We have spared no expense to secure the newest, richest and finest sorts. Price, ¼ lb., $14.00: oz., $4.00: ⅛ oz., 60c; trade pkt., 25c.

MASTERPIECE—NEW GIANT CURLED. This strain comes nearer to "Double pansies" than anything ever introduced under that name. In reality the number of petals is the same as that in other Pansy flowers, but they are crimped and curled in such a fashion that the flowers appear double. The flowers are of enormous size, often 3 inches across and the color variations and combinations are odd and striking. Trade pkt., 50c: ⅛ oz., 75c: ¼ oz., $1.35: oz., $5.00

VAUGHAN'S PREMIUM PANSIES MIXED. Embraces all the varieties of the Fancy German Sorts. Per pkt., 25c; ⅛ oz., 80c: ½ oz., $3.00: oz., $5.50

CHICAGO PARKS BEDDING PANSIES. "Choice mixed," pkt., 10c: ¼ oz., 30c: oz., 75c: 4 oz., $2.50

VAUGHAN'S "ELITE" MIXTURE. This is not a complete mixture like our International: it does not contain any pure white, yellow or any self colors, nor any other of the well known kinds. It is comprised of the cream of four Pansy specialists' choicest and most expensive mixtures and such new and novel kinds as listed above. Trade pkt., 50c: ⅛ oz., $1.00

NEW ORCHID-FLOWERED PANSIES. A most interesting type of Pansies of the Giant Flowered Class, containing a mixture of the most surprising, novel, unique and beautiful color combinations. The upper petals are upright and sort of plaited, which gives the flowers their resemblance to orchids. The colors range in the terra cotta shadings as well as in the flesh orange, rose, pink and lilac. Trade pkt., 250 seeds, 25c.

IMPROVED GERMAN MIXTURE. This is a mixture of three strains from different German growers and is made up mostly of separate colors, with a sufficiently large percentage of white and yellow. Per large pkt., 10c: ⅛ oz., 20c: ¼ oz., 30c: oz., $1.00

VAUGHAN'S SEED STORE,

84 and 86 Randolph Street, CHICAGO. **14 Barclay Street, NEW YORK.**

Orchids!

ARRIVED IN SUPERB CONDITION.

Cattleya Dowiana, C. gigas, C. Mossiæ, C. Percivaliana, C. Speciosissima, C. Eldorado, C. superba, C. labiata, C. Leopoldii, and many more. Write for prices.

Lager & Hurrell, SUMMIT, N. J.
Orchid Growers and Importers.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World.

SANDER, St. Albans, England.

NEW YORK OFFICE: Room 1, 236 Broadway. **T. MELLSTROM** Agent.

Nephrolepis Whitmani

is **THE** fern to grow. Having ordered a large quantity I can fill orders on short notice Write.

$25.00 per 100: **$200.00** per 1000.

S. S. SKIDELSKY, 824 N 24th St., Philadelphia.

CYCLAMEN

SPLENDENS GIGANTEUM HYBRIDS.

In five true colors including the fringed varieties, from 2½-inch pots, $5.00 per 100, $45.00 per 1000: from 3 inch pots, $7.00 per 100, $65.00 per 1000.
Satisfaction guaranteed.

PAUL MADER, East Stroudsburg, Pa.

Please mention the American Florist when writing

CHRYSANTHEMUMS

Good plants, from 2¼-inch pots, our selection of all good varieties, **$2.50 per 100.**

The H. Weber & Sons Co. OAKLAND, MD.

30,000 Fine Field-Grown CARNATION PLANTS

The following varieties:

	100	1000		100	1000
Boston Market	$4.00	$30 00	White Cloud	$3.00	$25.00
Enchantress	5.00	40.00	Ine	3 00	25 00
Lawson	3.00	25.00	Sports	3.00	25.00
			Flora Hill	3.00	25.00

WALDECK BROS., 1218 Oakton Ave., **Evanston, Ill.**

Please mention the American Florist when writing.

Index to Advertisers.

Adv rates..... 10
Advance Co The.... 40
Allen J K..... 19
Altick H M..... 14
Amling E C..... 15
Andorra Nurseries... 27
Aschmann Godfrey.. 13
Atlanta Floral Co... 20
Baller F A..... 27
Barrows Henry & Son 17
Bassett & Washburn 13
Bauman L & Co..... 39
Beaven E A..... 12
Beckert W C..... 11
Bedfordshire SeedCo 25
Benthey-Coatsworth Co..... 15
Berning H G..... 17
Bertermann Bros Co. 20
Boddington A T..... 11
Brant & Noe Flo Co. 24
Braslan Seed Co..... 22
Breitmeyer's J Sons. 20
Brown Peter..... 25
Bruns H N..... 11
Buckley W T Co.... 21
Budlong J A..... 15
Burpee W A & Co... 11
Byer Bros..... 28
Caldwell the Woodsman Co..... 12
Carlton H R..... 28
Carmody J D..... 40
ChicagoCarnationCo I
Chicago House Wrecking Co.....III
Clark Wm..... 20
Cleveland Cut Flo Co 21
ClipperLawnMower Co..... 38
Cochran Mushroom & Spawn Co..... 11
Cooke Geo H..... 20
Cotsonas Geo & Co.. 19
Cowee W J..... 39
Craig Robert Co..... 17
Cross Eli..... 24
Cunningham Jos H.. 24
Currie Bros..... 11
Daniels & Fisher.... 20
Deamud J B Co..... 15
DetroitFloPotMfy... 38
Dietsch A Co..... 40
Diller Caskey & Co..III
Dillon J L..... 21
Dillon Mfg Co..... 40
Dingee&ConardCo.. 27
Donohoe W H..... 20
Dorner F & Sons Co. I
Dreer H A..... 30
Dreyer R..... 12
Dunford J W..... 21
Edwards Folding Box. 39
Eldering W J & Son. 11
Elliott Wm H..... 17
Emmans Geo M..... 28
Eyers H G..... 20
Fellouris A J..... 19
Fenrich J S..... 19
Fischer R..... 24
Florists' Hail Ass'n.. 30
Flower Growers Co.. 15
Foley Mfg Co..... 40
Ford Bros..... 19
For Sale & Rent..... 11
Froment H E..... 19
Garland Geo M.....III
Giblin & Co..... IV
Globe Engraving Co. 40
Gude A & Bro..... 20
Gullett W H & Sons. 21
Gundestrup K & Co. 23
Gurney Heater Co... IV
Guttman Alex J..... 19
Guttman & Weber.. 18
Hansen Julius..... 11
Hansen M A..... 20
Hart Jas..... 19
Hauswirth P J..... 20
Heinl Geo A..... 28
Heller & Co..... 11
Henshaw A M..... 19
Herbert D & Son.... 24
Herr Albert M..... 28
Herrmann A..... 39
Hess E L..... 11
Hess & Swoboda.... 30
Hews A H & Co..... 38
Hilfinger Bros..... 38
Hill The E G Co.... I
Hippard E.....III
Hitchings & Co. IV
Holmes Seed Co..... 23
Holm & Olson..... 20
Holton& Hunkel Co. 17
Hooker H M Co..... 30
Hort Advertiser 39
Hort Trade Journal.. 24
Huber Geo..... 25
Hunt E H..... 15
Igoe Bros..... 40
Jackson&PerkinsCo. 27
Jensen & Dekema... 15
Johnston Heating Co 39
Journal des Roses... 38
Kasting W F..... I
Keller Geo & Son... 38
Keller Pottery Co... 38
Kellogg Geo M..... 20
Kennicott Bros Co.. 15
Kervan Co The..... 19
Kessler P..... 19
KingConstructionCo 40
Koppelman E L & Co 30
Kramer F H..... 21
Kramer I N & Son.. 38
Kroeschell Bros Co. 39
Kuehn C A..... 17
Kuhl Geo A..... 24
Lager & Hurrell..... 29
Lange A..... 20
Langjahr A H..... 19
Lecakes N & Co..... 19
Leedle Floral Co..... 27
Livingston Seed Co.. 39
LocklandLumb'rCo.III
Lord & Burnham Co.IV
McConnell Alex..... 21
McCullough's J M Sons Co..... 17
McKeller Chas W... 15
McKissick W E..... 17
Mader Paul..... 29
Mayberry & Hoover. 20
Metairie Ridge Nursery Co..... 27
MetropolitanMatCo. 39
Mich Cut Flower Ex. 12
Mills the Florist..... 20
Moninger J C Co....III
Moon The Wm H Co. 27
Moore Hentz&Nash. 19
Mosbaek L..... 28
Murdoch J B & Co .. 17
Murray Samuel..... 20
Nanz & Neuner..... 24
Natl FloBd ofTrade. 19
N Y Cut Flower Ex . 19
Niessen Leo Co..... 17
Niuffer C M..... 27
Olbertz J..... 17
Pacific Seed Co..... 23
Paducah Pottery 38
Palethorpe P R Co.. 38
Palmer W J & Son.. 20
Park Floral Co..... 20
Pennock S S..... 17
Perfection Chem Co. 39
Peterson J A..... 28
Peterson Nurs.....26 27
Pierce F O & Co 40
Pierson F R Co.....I 23
Pierson U Bar Co....III
PittsburgCut FloCo. 17
Pittsburg Florist Ex . 17
Pollworth C C Co.... 20
PoehlmannBrosCo12 15
Quaker City Machine Works..... 40
Randall A L Co..... 21
Rawson W W & Co.. II
Raynor J I..... 19
ReadyRefer'nceAdv. 31
Regan Print House.. 39
Reinberg Peter....15 24
Rice Bros..... 12
Rice James H Co.... 39
Robinson H M & Co. 12
Roehrs Julius Co..... 27
Roemer Fredk 23
Sabransky W..... 12
Sander & Son 29
Schillo Adam..... 30
Schulz Jacob 21
Scott John..... 24
Seligman Jno..... 19
SharpPartridge&Co. 38
Sheridan W F..... 19
Sinner Bros. 15
Situations & Wants.. 11
Skidelsky S S..... 29
Smith Nathan & Son. 24
Smith W & T Co.... I
Smits Jacs..... 27
Sprague Smith Co... 38
Standard Pump & Engine Co.....IV
Stearns Lumber Co.. IV
Steffens Emil..... 39
Stenzel Glass Co.... 30
Stern J & Co..... 30
Stokes Seed Store... 25
Stoothoff H A & Co. 38
Storrs & Harrison Co 27
Styer J J..... II
Syracuse Pottery Co. 38
Taylor F G Seed Co. II
Thompson J D Carnation Co..... I
Thorburn J M & Co . II
Totty Chas H 19
Traendley& Schenck 19
VanLeeuwen L&Son 25
Vaughan & Sperry.. 15
Vaughan's Seed Store .....I II 12 13 23 25 29
Vick's Sons Jas..... II
Vincent R Jr & Son.. 13
Virgin U J..... 20
Wabash R R..... 40
Waldeck Bros..... 29
Weathered & Co 40
Weber F C..... 20
Weber H & Sons.... 29
Weeber & Don..... II
Weiland & Risch.... 15
Welch Bros..... 17
Whilldin Pot Co..... 38
Wietor Bros..... 15
Wild Gilbert H..... 27
Wilson Andrew 39
Wilson Robt G..... 20
WintersonEF Co.... 28
Wittbold Geo Co..15 28
Wolf A Q & Bro..... 30
Wood Bros..... 21
Wrede H..... 25
Yalaba Cons'vat'ries 24
Young A L & Co.... 19
Young Thos..... 19
Zech & Mann..... 15
Zirngiebel Augustus. II

H. M. HOOKER CO.

Window Glass, Paints and Putty.
Greenhouse Glass a Specialty.

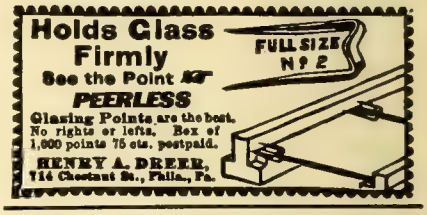
59 W. Randolph St., CHICAGO.

STENZEL GLASS CO.,

GREENHOUSE GLASS.

French and American "WHITE ROSE" Brand.

2 Hudson St., NEW YORK.



Our Mr. Jos. Stern Returned from Europe with

NOVELTIES

OF ALL KINDS. See the enterprising Florists' Supply House.

J. STERN & CO.,

1928 Germantown Ave.,

Catalogue for postal. **PHILADELPHIA, PA.**

—THE—

Florists' Hail Association

Insures over 23,000,000 square feet of glass. for particulars address

JOHN G. ESLER, Sec'y, SADDLE RIVER, N. J.

It is good business policy to mention
The....
AMERICAN FLORIST
When you write to an advertiser

Tobacco Dust

FOR FUMIGATING.

It would pay large users of dust to communicate with us and get samples and prices.

Edwin L. Koppelman & Co., 81 PINE STREET, NEW YORK.

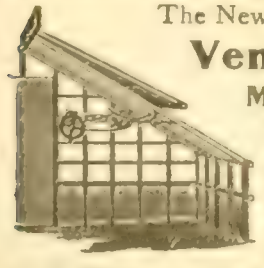
LUMBER

for Greenhouse Benches, Ship Lap, Drop Siding, Sheathing, Flooring, White Cedar Posts, Etc.

We are in special position to furnish **"PECKY CYPRESS"** everything in **PINE** and **HEMLOCK BUILDING LUMBER.** **WRITE FOR PRICES.**

Adam Schillo Lumber Co.

Cor. Weed and Hawthorn St., CHICAGO.
Tel. North 1626 and 1627.



The New **WOLF PIPE**
Ventilating MACHINES

Uses all roller bearing hangers, circular cut gear steel arms, furnished for all kinds of houses.

A. Q. WOLF & BRO., Dayton, Ohio.

AMERICAN FLORIST ADVERTISING RATES.

Our advertising rates are 4s 2d per inch, single column width, £6 3s 3d per page of thirty inches, with discounts on consecutive insertions as follows:

6 insertions..... 5 per cent.	26 insertions.....20 per cent.
13 insertions.....10 per cent.	52 insertions.....30 per cent.

Space on front pages and back cover page is sold only on yearly contract at 4s 2d per inch net. Remit by foreign postoffice money order.

ANZEIGERATEN DES AMERICAN FLORIST.

Unsere Anzeigeraten sind: für den Zoll der einzelnen Spalte, $1.00 (M. 4.17); für die Seite, 30 Zoll, $30 (M. 125). Bei mehrmaligen Einrückungen werden Diskontoraten gewährt, wie folgt:

6 Einrückungen..... 5%;	26 Einrückungen.....20%;
13 Einrückungen.....10%;	52 Einrückungen.....30%.

Raum auf den vorderen Seiten und auf der Rückseite des Umschlages wird nur in Jahreskontrakten und zu $1.00 (M. 4.17) den Zoll netto abgegeben. Zahlungen sind mittels Postanweisung erbeten.

TAUX D'ANNONCES DANS L'AMERICAN FLORIST.

Nos taux d'annonces sont $1.00 (Frs. 5-15) par pouce, largeur simple colonne, $30.00 (Frs. 154-50) par page de trente pouces avec escomptes sur les insertions consécutives, comme suit:

6 insertions.....5 pour cent.	26 insertions.....20 pour cent.
13 insertions.....10 pour cent.	52 insertions.....30 pour cent.

La place occupée par des annonces sur la première et la dernière couverture ne s'accorde que par contrat annuel au taux de $1.00 (Frs. 5-15), net, par pouce. Faites remise par Mandat-poste International.

Ready Reference Advertising.

ADVERTISEMENTS IN THIS DEPARTMENT 10 CENTS PER LINE, CASH WITH ORDER. COPY MUST REACH US MONDAY OF THE WEEK IN WHICH IT IS TO APPEAR

ALTERNANTHERAS.

Alternantheras, red and yellow, strong, bushy, 2½-in., ready for 3-in., extra plants; $1.50 per 100. Mrs. Edward Hayden, Greenview, Ill.

Alternantheras, red and yellow, 2-in. pots, extra plants, $1.75. Brilliantissima, 2-in. pots, $2. Geo. M. Brinkerhoff, Springfield, Ill.

Alternantheras, red and yellow, $2 per $100; $15 per 1,000. R. Vincent, Jr. & Son, White Marsh, Md.

AMPELOPSIS.

Ampelopsis, best vars. Jackson & Perkins, Newark, N. Y.

ARAUCARIAS.

Araucarias, Excelsa, 12 to 14 ins., 5½-in. pots, 3 to 4 trs., 2-yr., 50c; 14 to 16 ins., 5½-in. pots, 3 to 4 trs., 2-yr., 60c; 16 to 18 ins., 5½ to 6-in pots, 4 to 5 trs., 3-year, 75c; 18 to 20 ins., 6-in. pots, 5 to 6 trs., 4-yr., $1; 20 to 24 ins., 6-in pots, 5 to 6 trs., 4-yr., $1.25; 36 to 50 ins., Specimen, 7-in. pots, 5 to 6 trs., 6-yr., $2.50 to $3. A. Compacta Robusta, 12 to 20 ins. high, 3 to 4 trs. 20 to 30 ins., 4 to 5-yr., 6 to 7-in., $1.25, $1.50, $1.75, $2 up to $3 each. A. Excelsa Glauca, 6 to 7-in pots, 3, 4 and 5 trs., 15 to 25 ins., $1.25, $1.50, $1.75, $2, $2.50 each. G. Aschmann, 1012 Ontario St., Philadelphia.

Araucaria Excelsa, 4-in., 2 to 3 trs., 35c each; $4 per doz.; 5-in., 3 trs., 75c each; $9 per doz.; 6-in., 3 to 4 trs., $1 each; $12 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Araucaria Excelsa. R. Dreyer, Woodside, L. I., N. Y.

ASPARAGUS.

Asparagus plumosus, 2-in., $3 per 100; 3-in., $6; 4-in., $1.50 per doz. Sprengeri, 2-in., $3 per 100; 3-in., $6; 4-in., $1.25 per doz.; 5-in., $2. Scandens Defl., 3-in., $1.50 per doz.; 4-in., $2 per doz. George Wittbold Co., 1657 Buckingham Pl., Chicago.

Asparagus Sprengeri, cut sprays, $1 to $3 per 100; plants from bench, $5 per 100; $40 per 1,000; 2½-in., $3 per 100; $25 per 1,000. Plumosus, 2½-in., $3.50 per 100; $30 per 1,000. J. W. Dunford, Clayton, Mo.

Asparagus plumosus and Sprengeri, 4-in., $10; 3-in., $5; 2¼-in., $2.50 per 100; $20 per 1,000. Seedlings, $10 per 1,000. Ludvig Mosbaek, Onarga, Ill.

Asparagus plumosus, from flats, $6 per 1,000; 3-in. $18 per 1,000. Sprengeri, from flats, $6 per 1,000. Yalaha Conservatories, Yalaha, Fla.

Asparagus plumosus, 2½-in., $3.50 per 100; $30 per 1,000. Robt. Craig Co., 49th and Market Sts., Philadelphia.

Asparagus plumosus, 2½-in., 3c. Sprengeri, 3-in., 3c. Wm. B. Sands, Lake Roland, Baltimore, Md.

Asparagus plumosus, 2¼-in., $3 per 100. John Scott, Rutland Rd. and 45th St., Brooklyn, N. Y.

Asparagus plumosus, from 2¼-in., $2 per 100. W. T. Buckley Co., Springfield, Ill.

Asparagus plumosus, 2½-in., $2 per 100. Jos. H. Cunningham, Delaware, O.

Asparagus Sprengeri, 2-in., $1.50 per 100; $12.50 per 1,000. Plumosus, 2-in., $2.50 per 100; $20 per 1,000. Robustus, $3.50 per 100; $30 per 1,000. A. M. Herr, Lancaster, Pa.

Asparagus Sprengeri, 3-in. pots, $5 per 100. Plumosus, 3-in. pots, $6 per 100. Wm. F. Kasting, 383 Ellicott St., Buffalo, N. Y.

Asparagus Sprengeri, 2-in., $2.50 per 100; plumosus, 2-in., $3 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus Sprengeri, 2-in., $20 per 1,000. Plumosus, 2½-in., $30 per 1,000. E. G. Hill Co., Richmond, Ind.

AZALEAS.

Azaleas, Jacs Smits, Ltd., Naarden, Holland.

BAY TREES.

Bay trees, standards and pyramids. Julius Roehrs Co., Rutherford, N. J.

Bay trees, fine stock. R. Dreyer, Woodside, L. I., N. Y.

Bay Trees. Louis Van Houtte Pere, Gnent, Belgium.

BEGONIAS.

Begonia Gloire de Lorraine, and Turnford Hall, leaf cuttings, $15 per 100; $140 per 1,000; 4-in., pots, $40 per 100. J. A. Peterson, McHenry Ave., Westwood, Cincinnati, O.

Begonia Rex, 2 and 2½-in., $5 per 100. Geo. M. Emmans, Newton, N. J.

Begonia Rex, 2½-in., $5 per 100. Nathan Smith & Son, Adrian, Mich.

Begonias, all varieties. Geo. A. Kuhl, Pekin, Ill.

BOUVARDIAS.

Bouvardias, Nanz & Neuner, Louisville, Ky.

BULBS, ROOTS, TUBERS.

Bulbs, high grade, French Romans, Paper White grandiflora, callas, Japan Longiflorum, London Market Valley, picked bulbs of all Dutch hyacinths, tulips, narcissus and spirea. Freesias, California grown, choice, ½ to ¾-in., 65c per 100; $5 per 1,000; 1st quality, ⅜ to ½-in., 45c per 100; $3 per 1,000. Bermuda grown, mammoth, ½ to ¾-in., $1 per 100; $9 per 1,000; choice, ⅜ to ½-in., 85c per 100; $7.50 per 1,000; star-shaped white, $1.50 per 100; $12 per 1,000. Oxalis, strong bulbs, 85c per 100; $7.50 per 1,000; mammoth, $1 per 100; $9 per 1,000. L. Harrisii for Xmas forcing, 5 to 7 ins., $4.50 per 100; $40 per 1,000. Vaughan's Seed Store, Chicago and New York.

Bulbs, L. Harrisii, for early forcing, extra choice, 5 to 7-in. bulbs, 400 to case, $17 per case; 6 to 7-in., 350 to case, $17.50; 7 to 9-in., 200 to case, $18; 9 to 11-in., 100 to case, $18; for Easter forcing, 6 to 7-in., 350 to case, $14 per case; 7 to 9-in., 200 to case, $15; 9 to 11-in., 100 to case, $15. Freesia Refracta Alba, $1 per 100; $7.50 per 1,000. Bermuda Buttercup Oxalis, $1 per 100; $7.50 per 1,000. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Bulbs, freesias, greenhouse grown, no place to plant them, so must be sold, postpaid, as follows: 750, ½ to ¾-in,. 60c per 100; $3.50 for the lot; 1,700, ⅜ to ½-in., 40c per 100; $2.50 per 1,000; 250 at 1,000 rate; 1,700 2-8 to nearly ⅜-in., 20c per 100; $1 per 1,000. Cash. John Beimford, Wilton Junction, Iowa.

Bulbs, 1st size named single hyacinths, $5.50 per 100; 2nd size, $4 per 100; single unnamed, $2.25 per 100. Mammoth freesias, Refracta Alba, $8.50 per 1,000; Selected, $4.50 per 1,000. Holmes Seed Co., Harrisburg, Pa.

Bulbs, home-grown freesias, large size, $1 per 100; $7 per 1000; blooming size, 75c per 100; $4.50 per 1,000; small blooming size, 50c per 100; $3.50 per 1,000. Stokes Seed Store, 219 Market St., Philadelphia.

Bulbs, Benguet forcing lily (L. Philippinensis), ¾ to 1-in., $45; 1¼ to 1½-in., $55; 1¾-in. and over $100 per $1,000, f. o. b. Manila. Mail samples, prepaid, $2, $3 and $5 per doz. Nagtagan Gardens Co., Manila, P. I.

Bulbs, L. Harrisii, R. hyacinths. P. W. narcissus, freesias, Weeber & Don, 114 Chambers St., New York.

Bulbs, everything in bulb line, hyacinth, tulips, daffodils and crocus as specialties. W. J. Eldering & Son, Overveen, Haarlem, Holland.

Bulbs, narcissus, dbl. Von Sion, Golden Spur, Hyacinths, tulips and all Dutch bulbs. L. Van Leeuwen & Son, Sassenheim, Holland.

Bulbs, for florists, best grades only. Import orders now booked. W. C. Beckert, Allegheny, Pa.

Bulbs, P. W. Narcissus, 13 ctm., $1.25 per 100. Jos.. H. Cunningham, Delaware, O.

Bulbs of all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs of all kinds. Currie Bros. Co., 308 Broadway, Milwaukee, Wis.

Bulbs of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Bulbs, 1,000 Calla Lily bulbs for sale cheap. R. D. Herr, Refton, Pa.

Cannas, 60 best varieties, over 200,000 roots. Send for list. The Conard & Jones Co., West Grove, Pa.

Cannas of all vars. Dingee & Conard Co., West Grove, Pa.

Iris, German, mixed vars., $2 per 100. James Vick's Sons, Rochester, N. Y.

Lily of the Valley, finest cold storage pips. H. N. Bruns, 1409-1411 W. Madison St., Chicago.

Lily of the Valley, first-class pips. Julius Hansen, Pinneberg, Germany.

Lily of the Valley. Jacs Smits, Ltd., Naarden, Holland.

CARNATIONS.

Carnations grown for my own use, but having sold greenhouses, must also sell plants, 1,300, as follows: 126 Lawson, 16 W. Lawson, 112 Bountiful, 36 Hill, 220 Queen Louise, 122 Enchantress, 19 Mrs. Patten, 35 Wolcott, 35 Prosperity, 23 Fenn, 74 Boston Market, 40 Joost, 255 G. Angel, 95 Glacier, 50 red, name not known, 45 No. 15 pink, $60 cash for the lot, ship any time during August you wish. Pay you to see them if not too far distant. John Beimford, Wilton Junction, Iowa.

Carnations, field-grown, L. Bountiful, Lieut. Peary, W. Lawson, Fiancee, Cardinal R. Lawson, Skyrocket, V. Lawson, $7 per 100; $60 per 1,000. Mrs. Lawson, Mrs. Patten, $6 per 100; $50 per 1,000. Glendale, Daybreak Lawson or Melody, $12 per 100; $100 per 1,000. Prosperity, Harlowarden, $5 per 100; $40 per 1,000. Chicago Carnation Co., Joliet, Ill.

Carnations, field plants, White and Pink Lawson and Enchantress, $5 and $6 per 100, interesting prices by the 1,000 or large lots. Above was planted out of a 3½-in. pot, strong plants April 1, and have developed into very strong plants ready to lift. C. W. Reimers, Sta. A., Louisville, Ky.

Carnations, bushy plants, Lawson, Lord, B. Market, Wolcott, Norway, F. Hill, $5 per 100; $45 per 1,000. Enchantress, $6 per 100; $55 per 1,000.. Red Lawson, $8 per 100; $75 per 1,000. W. H. Gullett & Sons, Lincoln, Ill.

Carnations, field-grown, good, healthy stock, high land grown, Lawson, Prosperity, Enchantress, Queen Louise, Boston Market, Lady Bountiful, Joost, Crane, Estelle, Apollo. Thos Salveson, Petersburg, Ill.

Carnations, field-grown, B. Market, $4 per 100; $30 per 1,000. Enchantress, $5 per 100; $40 per 1,000; Lawson, W. Cloud, Ine, Sport, F. Hill, $3 per 100; $25 per 1,000. Waldeck Bros., Evanston, Ill.

Carnations, Abundance, field-grown, 1st size, $12 per 100; $100 per 1,000; 2nd size, $10 per 100; $75 per 1,000. R. Fischer, Great Neck, L. I., N. Y.

If you do not find what you need in our Ready Reference Department, write us about it.

Carnations, field-grown, W. Lawson, $6 per 100. Enchantress, Bountiful, P. Lawson, Roosevelt, Harlowarden, Estelle, O. Louise, The Belle. Crisis, Richmond Gem, Flamingo, F. Burki Eclipse, $5 per 100; $45 per 1,000. W. Sabransky, Kenton, O.

Carnation plants from field for August delivery; Robert Craig, Mrs. M. A. Patten, Enchantress and Boston Market. J. D. Thompson Carnation Co., Joliet, Ill.

Carnations, White Perfection, $12 per 100; $100 per 1,000; 50 at 100 rate; 250 at 1,000 rate. F. Dorner & Sons Co., La Fayette, Ind.

Carnations, Enchantress, Lawson, Q. Louise, $5 per 100. Pittsburg Florists' Exchange, 228 Diamond St., Pittsburg, Pa.

Carnations, rooted cuttings, Bertha Roth. R. Dreyer, Woodside, L. I., N. Y.

Carnations, field-grown. Nanz & Neuner, Louisville, Ky.

Carnations, for fall delivery. Wood Bros., Fishkill, N. Y.

Carnations, field-grown. J. W. Dunford, Clayton, Mo.

CALADIUMS.

Caladiums, fancy leaved. Geo. A. Kuhl, Pekin, Ill.

CHRYSANTHEMUMS.

LAST CALL FOR MUMS.
2-in. Stock.

100 Balfour, per 100, $2; 250 Duckham, $2; 500 McNewell, $2; 200 Dr. Enquehard, $2; 200 V.—Morrell, $2; 200 P. Plumridge, $3; 150 Appleton, $2; 500 Oct. Sunshine, $2; 200 Harrison Dick, $2; 100 M. Bonnaffon, $2; 200 Roi de Italia, $2; 100 Monrovia, $2; 300 Y. Mayflower, $2; 100 Omega, $2; 200 Y. Jones, $2; 100 G. Wedding, $2; 200 W. Mayflower, $2; 50 Wanamaker, $2; 200 Robinson, $2; 300 C. Touset, $5; 400 Chadwick, $3; 200 Lilly Mountiford, $2; 200 Kalb, $2; 100 Black Hawk, $2; 200 Intensity, $2; 400 Oakland, $2. Wietor Bros., 51 Wabash Ave., Chicago.

Chrysanthemums. Our sales of Jeanne Nonin have been phenomenal, but we have a few thousand yet, and YOU are losing money if you don't plant them. Nothing else you can grow from now to Xmas will make you as much money or as good satisfaction as Jeanne Nonin. Strong 4-in., 10c; strong flat-grown, 5c; R. C., $3 per 100 postpaid; $25 per 1,000. When you see the other fellow swapping Nonin for dollars next fall, you'll wish you had some too. Better get in NOW. City Greenhouses, Union City, Pa.

Chrysanthemums, G. of Pacific, Polly Rose, Soleil d'October, Robinson, Ivory, Appleton, Pink Ivory, $3 per 100. J. Jones, Mrs. Robt. McArthur, Mrs. Coombes, G. Wedding, Yellow Eaton, Monrovia, $4 per 100. Lady Roberts, A. J. Balfour, Wm. H. Chadwick, $6 per 100. Glenview, $25 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Chrysanthemums. Not too late yet to plant Jeanne Nonin. Strong 4-in. only 10c; strong flat-grown 5c; R. C., $3 per 100 postpaid; $25 per 1,000. Santa Claus, Xmas pink, Mrs. Duckham and Touset, same price. W. J. Olds, Union City, Pa.

Chrysanthemums, Jeanne Nonin, strong R. C., $3 per 100 postpaid; $25 per 1,000; strong flat, 5c; strong 4-in., full of cuttings, 10c. Putnam Street Greenhouses, Union City, Pa.

Chrysanthemums, Monrovia, October Sunshine, Willowbrook, Mme. Bergman, Robinson, rooted cuttings, $15 per 1,000; plants from 2-in. pots, $25 per 1,000. Eli Cross, Grand Rapids, Mich.

Chrysanthemums, Baby, Lulu, Klondike, $2.50 per 100; $20 per 1,000. Robert Craig Co., 49th and Market Sts., Philadelphia.

Chrysanthemums, 2¼-in., our selection of god vars., $2.50 per 100. H. Weber & Sons Co., Oakland, Md.

Chrysanthemums, 5,000 best sort, 2½ in. pot plants. Benj. Connell, West Grove, Pa.

Chrysanthemums, Mrs. Tranter, 2-in., 2c. Byer Bros., Chambersburg, Pa.

Chrysanthemum novelties. Chas. H. Totty, Madison, N. J.

Chrysanthemums, Wood Bros., Fishkill, N. Y.

CINERARIAS.

Cinerarias, $2 per 100. Jos. H. Cunningham, Delaware, O.

Cinerarias. Geo. A. Kuhl, Pekin, Ill.

CLEMATIS.

Clematis. Jackson & Perkins, Newark, N. Y.

COBOEA.

Coboea Scandens, 4-in., $8 per 100. Godfrey Aschmann, 1012 Ontario St., Philadelphia, Pa.

COLEUS.

Coleus, Golden Bedder, 2-in., extra strong plants. Geo. M. Brinkerhoff, Springfield, Ill.

CYCLAMENS.

Cyclamen. Geo. A. Kuhl, Pekin, Ill.

DAHLIAS.

Dahlias, Improved Countess of Lonsdale, cactus type, 6 for $1; $1.75 per doz., $12 per 100. Arthur T. Boddington, 342 W. 14th St., New York.

Dahlias, roots and plants. David Herbert & Son, Atco, N. J.

Dahlia roots. R. Vincent, Jr. & Son, White Marsh, Md.

DAISIES.

Daisies, white and yellow, $1 per 100; $8 per 1,000. C. Humfeld, Clay Center, Kan.

DEUTZIAS.

Deutzias in variety, W. & T. Smith Co., Geneva, N. Y.

DRACAENAS.

Dracaena fragrans, 6-in., 75c each; $9 per doz.; 5-in., 50c each; $5 per doz.; D. indivisa, 2-in., $2.50 per 100; 6-in., 20 to 26 ins., 50c each; $5 per doz.; 7-in., 30 to 34, 75c each; $9 per doz. D. Mass., 8-in., $2 each; 9-in., $3 each. D. Ter., 4-in., 25c each; $3 per dozen; 5-in, 35c each; $4.20 per dozen. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Dracæna indivisa, 4 and 5-in., $10 and $25 per 100. Geo. M. Emmans, Newton, N. J.

FARFUGIUMS.

Farfugium Grande, 3½-in., $10 per 100; 5-in., $15 per 100. Nanz & Neuner, Louisville, Ky.

FERNS.

Ferns, prepaid, Boston, 4-in., 18c; 5-in., 30c; 6-in., 45c; 8-in., $1.25; 10-in., $1.75. Pierson fern, 4-in., 20c; 5-in., 35c; 6-in., 50c; 8-in., $1.50; 10-in., $2 each. Anna Foster, same prices as Pierson fern. N. Wittboldi and N. Washingtoniensis, 2½ in., 6c; 3-in., 12c; 4-in., 25c; 6-in., 50c; 8-in., $2 each. N. Barrowsii, 2½-in., 8c; 3-in., 25c; 4-in. 40c; 6-in., 75c; 8-in., $2.50; 10-in., $4 each. N. Whitmani, 2½-in., 25c; 4-in., 60c; 6-in., $1.25 each. N. Elegantissima, 2½-in., 8c each. B. N. Wichers & Co., Gretna, La.

Ferns, seedling in flats, now ready. Flats contain over 100 clumps which can be divided, ready now for 2½-in. pots, in the following varieties: Aspidium Tennsemensie, Crytomium falcatum, Pteris Cretica albo-lineata, nana compacta, magnifica, cristata, adiantoides, Wimsetti, Mayii, serrulata, Lastrea variegata, etc. Prices, $2 per flat, 20 or more flats, $1.75. Cash with order from unknown parties. McHutchison & Co., 17 Murray St., New York.

Ferns, Adiantum Capillus, 5-in., $2 per doz.; Adiantum Gracillimum, 4-in., $1.25 per doz.; $10 per 100. Boston, 6-in., $6 per doz.; 7-in., $9 per doz. Scottii, 10-in., $2 each. Fern Balls, 7 to 9 dormant or in leaf, $4.20 per doz., Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Ferns, Anna Foster, Boston, Piersoni and Sword, 6-in., $30 per 100; $4 per doz.; 4-in., $15; 3-in., $8; 2 1-4 in., $4 per 100. Elegantissima, 4-in., $50; 3-in., $20; 2¼-in., $12 per 100. Ludvig Mosbaek, Onarga, Ill.

Ferns, Scottii, small plants from benches, $5 per 100; $50 per 1,000. Plants for 6-in. pots, $25 per 100; plants for 7 and 8-in. pots, $50 per 100. John Scott, Rutland Rd. and 45th St., Brooklyn, N. Y.

Jardiniere Ferns, seedlings, good, strong, healthy stock, in variety only. Now ready for potting. Price, $1.50 per 100 by mail; $10 per 1,000, f. o. b., express. B. Soltau, 199 Grant Ave., Jersey City, N. J.

Ferns, Elegantissima, 3-in., $10 per 100; $80 per 1,000. Barrowsi, 3½-in., $20 per 100. Scottii, 2½-in., $5 per 100; $40 per 1,000. Robt. Craig Co., 49th and Market Sts., Philadelphia.

Ferns, assortment for dishes, 2½-in., $5 per 100. Barrowsii, 4-in., 25c; 6-in., 75c. Scottii, 4-in., 25c; 5-in., 40c; 6-in., 50c. G. Aschmann, 1012 Ontario St., Philadelphia.

Ferns, from bench, Boston and Piersoni, 4-in., 10c; 5-in., 12½c. Tarrytown, 4-in., 15c; 5-in., 25c. Scottii, 3-in., 8c; 4-in., 12½c. Byer Bros., Chambersburg, Pa.

Ferns, Adiantum Farleyense, specimens, $18 to $24 per doz.; 1¾-in., $8 per 100; 2½-in., $15 per 100. J. A. Peterson, McHenry Ave., Westwood, Cin., O.

Ferns, N. Whitmani, 2¼-in., $25 per 100. Boston, 2¼-in., $3 per 100. H. H. Barrows & Sons, Whitman, Mass.

Ferns, Whitmani, $25 per 100; $200 per 1,000. S. S. Skidelsky, 824 N. 24th St., Philadelphia.

Ferns, Piersoni, Scottii, Barrowsii, Elegantissima. Geo. A. Kuhl, Pekin, Ill.

Ferns, Boston, 2½-in., $4 per 100. Nanz & Neuner, Louisville, Ky.

Ferns, all leading varieties. R. Dreyer, Woodside, L. I., N. Y.

FICUS.

Rubber plants, from 4-in. pots. Metairie Ridge Nursery Co., New Orleans, La.

Ficus Elastica, 4-in., 25c. G. Aschmann, 1012 Ontario St., Philadelphia.

Ficus. Geo. A. Kuhl, Pekin, Ill.

GARDENIAS.

Gardenia Veitchii, 2½-in., $8 per 100; $75 per 1,000; 3-in., $12 per 100; $100 per 1,000; 4-in., $20 per 100; $175 per 1,000; 6-in., $6 per doz.; $40 per 100. Robt. Craig Co., 49th and Market Sts., Philadelphia.

GENISTAS.

Genista Racemosus, 3-in. pots, $5 per 100; $45 per 1,000. Robt. Craig Co., 49th and Market Sts., Philadelphia.

GERANIUMS.

Geraniums, from 2-in. pots, Alliance, Lemoine 1905, 25c each; $2 per doz. Fleuve Blanc, $1.50 per doz.; $10 per 100. Cactus, 4 vars., $2 per doz.; $15 per 100. Double Dryden, $1 per doz.; $5 per 100. Nutt Le Pilote, Poitevine, Mme. Barney, Centaure, Kendall, Mme. Jaulin, Viaud, Mme. Charotte, 40c per doz.; $2 per 100; $18 per 1,000. Ville de Poitiers, M. de Castellane, Berthe de Presilly, M. Jolly de Bammeville, T. Meehan, 50c per doz.; $3 per 100; $25 per 1,000. R. Vincent, Jr. & Son, White Marsh, Md.

Geraniums, S. A. Nutt, Castellane, John Doyle, Perkins, Double Gen. Grant, La Favorite, Poitevine, Mme. Salleroi, 2-in. pots, $2 per 100; 3-in. pots, $4 per 100. R. C., $1 per 100. Geo. M. Emmans, Newton, N. J.

Geraniums, from 2½-in. pots, $1.50 per 100; $14 per 1,000. B. Poitevine, Mrs. E. G. Hill, Nutt, Mme. Buchner, W. T. Buckley Co., Springfield, Ill.

Geraniums, Viaud, Bernandian, Hill, 2¼-in., $1.50 per 100. Byer Bros., Chambersburg, Pa.

Geraniums, leading varieties. A. M. Herr, Lancaster, Pa.

If you do not find what you need in our Ready Reference Department, write us about it.

Geraniums and other bedding plants, 2¼-in., $20 per 1,000. Ludvig Mosbaek, Onarga, Ill.

GLOXINIAS.

Gloxinias. Geo. A. Kuhl, Pekin, Ill.

GREENS.

Greens, dagger and fancy ferns, $1 per 1,000. Bronze and green galax, $1 per 1,000; 10,000 lots, $7.50. Bouquet green, per 100 yds. $7. Laurel festooning, 5c and 6c per yd. Laurel wreaths, $3 per doz.; branch laurel, per bunch, 50c. Boxwood, per lb., 20c. Leucothoe sprays, per 100, $1. Green and Sphagnum moss, $1 per barrel. Lyrata (new). H. M. Robinson & Co., 8 Province St., Boston, Mass.

Greens, new decorative green branches of the Huckleberry tree. New crop hardy ferns, fancy, $1.25 per 1,000; dagger, $1 per 1,000. Caldwell The Woodsman Co., Evergreen, Ala.

Greens, galax, leaves, ferns and leucothoe sprays, holly. Princess pine, all kinds of evergreens. Galax leaves $1 per 1,000. N. Lecakes & Co., 53 W. 28th St., New York.

Greens, cut palmetto and cycas palm leaves, galax, leucothoe, ferns, mosses and all decorating evergreens. The Kervan Co., 20 W. 27th St., New York.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 50 W. 28th st., New York.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. A. J. Fellouris, 52 W. 28th St., New York.

Greens, fancy ferns, $1 per 1,000. Galax, $1.25. Michigan Cut Flower Ex., 38 Miami Ave., Detroit, Mich.

Greens, fadeless sheet moss. E. A. Beaven, Evergreen, Ala.

HONEYSUCKLES.

Honeysuckles, 4-in. pots, $8 per 100. George Wittbold Co., 1657 Buckingham Pl., Chicago.

HYDRANGEAS.

Hydrangea Otaksa, large plants in tubs, $2 and $3 each; specimens in half barrels, $5 to $7.50 each. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Hydrangeas, best vars. Jackson & Perkins, Newark, N. Y.

IVY.

Ivy, hardy English, $2 per 100; $15 per 1,000. R. Vincent Jr. & Son, White Marsh, Md.

JERUSALEM CHERRIES.

Jerusalem Cherries, 2½-in. pots, fine, $2.50 per 100; $20 per 1,000. T. N. Yates & Co., Mt. Airy, Phila.

Jerusalem Cherries, 2½-in., $5 per 100. G. Aschmann, 1012 Ontario St., Philadelphia.

Jerusalem Cherries, 2½-in., $2 per 100. Byer Bros., Chambersburg, Pa.

MARANTAS.

Maranta Lietzii, 2½-in., $1 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

MUSHROOM SPAWN.

Mushroom Spawn, "Pure Culture" spawn, and importers of English mushroom spawn. Knud Gundestrup & Co., 4273 Milwaukee Ave., Chicago.

Mushroom spawn, Columbia, Alaska, Bohemia. Cochran Mushroom & Spawn Co., 911 Chemical Bldg., St. Louis, Mo.

Mushroom Spawn, superior strains of Pure Culture Spawn. E. L. Hess, 604 La Salle Ave., Chicago.

Mushroom spawn, English and pure culture. Weeber & Don, 114 Chambers St., New York.

Mushroom spawn, frequent importations from England. J. J. Styer, Concordville, Pa.

MYRTLE.

Myrtle, creeping, 2¼-in., $2.50 per 100; $20 per 1,000. Ludvig Mosbaek, Onarga, Ill.

NURSERY STOCK.

Nursery stock, hothouse, grape vines, fine, strong 2 and 3-year-old canes, Black Hamburg, Muscat, Alexander and other varieties. Rose Hill Nurseries, New Rochelle, N. Y.

Nursery stock, trees and shrubs. Price list on application. Peterson Nursery, 503 W. Peterson Ave., Chicago.

Nursery stock, large trees, oak, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, all kinds of hardy fruit and ornamental trees, shrubs, etc. W. & T. Smith Co., Geneva, N. Y.

Nursery stock, evergreen and deciduous flowering shrubs and vines. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, pot-grown shrubs, conifers and ornamental stock. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, plants and shrubbery of all kinds. Dingee & Conard Co., West Grove, Pa.

ORANGES.

Otaheite Oranges, 3-in. pots, $8 per 100; $75 per 1,000. Robt. Craig Co., 49th and Market Sts., Philadelphia.

ORCHIDS.

Orchids, C. Dowiana, C. gigas, C. Mossiæ, C. Percivaliana, C. speciosissima, C. Eldorado, C. superba, C. labiata, C. Leopoldii. Lager & Hurrell, Summit, N. J.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England; New York office, room 1, 235 Broadway.

PALMS.

Palms, Areca lutescens, 5-in., 50c each; $5 per doz. Cocos, 2½-in., $1.50 to $1.75 per doz.; C. Bonetti, specimens, $40 each. Kentia Bel. 3-in., $2 per doz.; 4-in., $3.60 per doz.; 5-in., 60c each, $7.20 per doz.; 6-in., $1 each, $12 per doz; 6-in., xx, $1.25 each, $15 per doz; 6-in., xxx,$1.50 each, $18 per doz; 7-in., $2.50 each, $30 per doz; made-up, 6-in., $1.50 each, $18 per doz.; Kentia Fors., 5-in., 60c each, $7.20 per doz; 6-in., $1.25 each, $15 per doz; 7-in., $2 each, $24 per doz; made up, 7-in., $2.25 each; $27 per doz.; 8-in., $3.25 each. Phoenix Can., 2-in., $1 per doz., 5-in., $5 per doz.; 10-in., $3 each; large specimens, $25 to $30 each. Phoenix Recli., 3½-in., $2 per doz.; 4-in., $3 per doz.; 6-in., 50 each, $6 per doz., 7-in., 75c each. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Palms, Kentia Fors., 6-in. pots, 35 to 40 ins., $1.25; $1.50; 30 to 35 ins., 4-yr., $1; 5½-in., 25 to 30, 3-yr., 75c; 4-in. made-up, 3 plants to pot, 18 to 20 ins., 25c to 30c. K. Bel., 6-in., 5 to 6 leaves, 30 to 35 ins., $1.25; 5½ to 6-ins., 5 to 6 leaves, 75c to $1. K. Fors., 7-in., made-up, 22 to 24 ins., $2 each. Cocos Wed., 15c. Areca Lutescens, made-up, 4-in. pots, 25c. Cycas Revoluta, 6 to 7-in., 7 to 20 leaves, 10c per leaf. G. Aschmann, 1012 Ontario St., Philadelphia.

Palms, Latania Borb., 2¼-in., $4 per 100; 4½-in., $25 per 100; 5-in., $30 per 100. Kentia Bel., 3½-in., $20 per 100; 4½-in., $30 per 100. Nanz & Neuner, Louisville, Ky.

Palms, Latania Borbonica, from 4-in. pots. Metairie Ridge Nursery Co., New Orleans, La.

Palms, The Royal of Cuba, $2 per 1,000. Yalaha Conservatories, Yalaha, Fla.

Palms of all kinds. R. Dryer, Woodside, L. I., N. Y.

PANDANUS.

Pandanus Veitchii, 7-in., $2 each; $24 per doz. P. utilis, 3-in., $1.50 per doz; 4-in., $3 per doz; 5-in., $5 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Pandanus Veitchii, 50c, $1, $1.50 and $2.50 each. J. A. Peterson, McHenry Ave., Westwood, Cin., O.

PEONIES.

Peonies, all vars. Jacs Smits, Ltd., Naarden, Holland.

Peonies, Chinensis, F. Maxima, Duchesse de Nemours, Queen Victoria, Chas. Leveque, E. Verdier, Meisonnier. L. van Leeuwen & Son, Sassenheim, Holland.

Peonies, Queen Victoria, $9 per 100. Festiva Maxima, $30 per 100; Fragrans, $6 per 100. G. H. Wild, Sarcoxie, Mo.

Peonies a specialty. Peterson Nursery, 503 W. Peterson Ave., Chicago.

Peonies, all varieties. Jackson & Perkins, Newark, N. Y.

Peonies, over 100 named vars. F. A. Baller, Bloomington, Ill.

PEPPERS.

Christmas peppers, 2½-in., 2c. Byer Bros., Chambersburg, Pa.

Celestial peppers. Geo. A. Kuhl, Pekin, Ill.

POINSETTIAS.

Poinsettias, 2¼-in. pots, $5 per 100; $40 per 1,000. Robt. Craig Co., 49th and Market Sts., Philadelphia.

Poinsettias, 2½-in., $5 per 100. Thos. Salveson, Petersburg, Ill.

PRIMULAS.

Primroses, obconica, fimbriata, alba, rosea, lilac, carmine, $2 per 100. Obconica, dbl., $3 per 100. Mixed, 2-in., 2c. Byer Bros., Chambersburg, Pa.

Primroses, Chinensis, $2 per 100; Obconica alba and rosea, $2 per 100; Forbesii, $2 per 100. Jos. H. Cunningham, Delaware, Ohio.

Primrose, Baby, 2½-in. pots, 4c each. The Dingee & Conard Co., West Grove, Pa.

PRIVET.

Privet, California, the best. R. Dreyer, Woodside, L. I., N. Y.

RHODODENDRONS.

Rhododendrons. Jacs. Smits, Ltd., Naarden, Holland.

ROSES.

Roses, Richmond, extra strong 2½ and 3½-in., $45 and $75 per 1,000. Beauties, 3½-in., $8 per 100; $65 per 1,000. Rosalind Orr English, 2½-in., $6 per 100; 3½-in., $7.50 per 100. Kaiserin, 2½-in., $4.50 per 100; $40 per 1,000. G. Gate, 2½-in., $4 per 100; $30 per 1,000. Uncle John, 2½-in., $4 per 100; $30 per 1,000; 3½-in., $6 per 100; $50 per 1,000. Perles, 3½-in., $6.50 per 100; $60 per 1,000. Sunrise, 3½-in., $6.50 per 100; $60 per 1,000. Maid, 3½-in., $6 per 100; $55 per 1,000; Chatenay, 2½-in., $4 per 100; $35 per 1,000; 3½-in., $6.50 per 100; $60 per 1,000. Liberty, 4-in., grafted, $9 per 100. Kate Moulton, 3½-in., $25 per 100. Cut Back Beauties, $6.50 per 100; $60 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Roses, Richmond, 2½-in., pots, $7 per 100; $60 per 1,000; 3-in., $8 per 100; $75 per 1,000; 4-in., $12 per 100; $100 per 1,000. Killarney, 2½-in. pots, $7 per 100; $65 per 1,000; 3-in. $8 per 100; $75 per 1,000; 4-in., $12 per 100; $100 per 1,000. Baby Rambler, 2½-in., $7 per 100; $65 per 1,000; grafted 3-in., in bloom, $15 per 100; $125 per 1,000; 4-in., ready to bloom, $3 per doz.; $25 per 100; 6-in., $6 per doz. Vaughan's Seed Store, Chicago and New York.

Roses, 2½-in. pots, Cr. Rambler, Wood, La France, Meteor, G. Gate, Notting, $2.50 per 100; $20 per 1,000. Diesbach, Masson, Laing, Caprice, $3 per 100; $25 per 1,000. 4-in. pots, own root, Baby Rambler, $20 per 100; Cr. and Yel. Rambler, $6 per 100; Charta, Masson, Diesbach, Wood, $7 per 100; Neyron, Laing, $8 per 100. Leedle Floral Co., Springfield, O.

Roses, Richmond, 3-in., $5 per 100; $45 per 1,000; 2½-in., $4 per 100; $35 per 1,000. Kaiserin, Chatenay, Bride, Maid, 3-in., $4.50 per 100; $40 per 1,000. Meteor, 3-in., $4 per 100; $35 per 1,000. Bride, Maid, 2x3-in., $2.50 per 100; $20 per 1,000. W. H. Gullett & Sons, Lincoln, Ill.

If you do not find what you need in our Ready Reference Department, write us about it.

Roses, plants from 2¼-in. pots: Richmond, $5 per 100; $40 per 1,000, Am. Beauty, $6 per 100; $50 per 1,000; 3-in., $7 per 100; $60 per 1,000. Liberty, $3 per 100; $25 per 1,000. Sunrise, $5 per 100; $40 per 1,000. Kaiserin, $3 per 100; $25 per 1,000. Chatenay, Ivory, $2.50 per 100; $22.50 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

Roses, 2½-in. pots, own roots: C. Rambler, Vick's Caprice, De Brabrant, Ivory, Malmaison, Phila. Rambler, Meteor, M. Neil, H. Gould. Mme. Masson, $2 per 100; $15 per 1,000. Gen. Jacq. Mme. Wood, Magna Charta, $2 per 100; $20 per 1,000. C.M. Niuffer, Springfield,O.

Roses, grafted, Killarney, 3½-in. pots, $18 per 100. Liberty, Kaiserin, Maids, Wootton, 3½-in., $15 per 100. Own root, Richmond, Perle, 3-in., $8 per 100. Bride, Maid, G. Gate, Kaiserin, Liberty, Wootton, 3-in., $6 per 100. J. L. Dillon, Bloomsburg, Pa.

Roses, 2½-in. pots, Richmond, $4 per 100; $35 per 1,000. Am. Beauty, $5 per 100; $45 per 1,000. Kaiserin, $5 per 100; $40 per 1,000. Chatenay, $3 per 100; $25 per 1,000. Bride, $3 per 100; $25 per 1,000. Bassett & Washburn, 76 Wabash Ave., Chicago.

Roses, Richmond, 3-in. pots, $10 per 100; $90 per 1,000. Bride, Maid, Perle, Beauty, 4-in., $10 per 100; $90 per 1,000. Kaiserin, 3-in. pots, $7 per 100; $60 per 1,000. Robt. Craig Co., 49th and Market Sts., Philadelphia.

Roses. To close out gilt edged rose stock. Richmond, 3-in., Wellesley, 4-in., $6 per 100; $50 per 1,000. Grafted, strong plants, Maids, $10 per 100; Golden Gate, $6 per 100. S. J. Reuter, Westerly, R. I.

Roses, Richmond, 3-in., $8 per 100; $70 per 1,000. Maid, 4-in., $5 per 100; $45 per 1,000. Killarney, 3-in., $8 per 100. Perle, 3-in., $4 per 100. C. H. Totty, Madison, N. J.

Roses, Richmond, own root, 3-in., $50 per 1,000. Chatenay, 2½-in., $25 per 1,000. Maid, 3-in., $40 per 1,000; 2½-in., $25 per 1,000. E. G. Hill Co., Richmond, Ind.

Roses from bench, Maid, Ivory, Chatenay, $4 per 100; $35 per 1,000. Bride, Chatenay, Ivory, 4-in., $5 per 100; 3½-in., $4 per 100. J. W. Dunford, Clayton, Mo.

Roses, 2½ and 3-in. rose pots, Am. Beauty, Bride, Meteor, G. Gate, Chatenay, Richmond, Maid, Ivory, Perle, Souv. Wootton, Kaiserin. Geo. A. Kuhl, Pekin, Ill.

Roses, 20,000 strong healthy plants for sale, Meteor Perle, G. Gate, Ivory, Bride, Maid, 3½ and 4-in., $5 per 100. Ira G. Marvin, 3 N. Franklin St., Wilkesbarre, Pa.

Roses, Bride, Maid, Golden Gate, Chatenay, 3-in., $4 per 100. Richmond, $7. Liberty, grafted, $8 per 100. Warrendale Floral Co., St. Paul, Minn.

Roses, Bride, Maid, 3-in., $6 per 100. Liberty, 3-in., $6 per 100; 2¼-in., $5 per 100. Leo. Niessen Co., 1217 Arch St., Philadelphia.

Rose, Queen Beatrice, finest forcing pink, to be disseminated spring if 1907. F. H. Kramer, 916 F St., N. W., Washington, D. C.

Roses, from 2½-in. pots, Ivory, G. Gate, Bride, Maid, Chatenay, Mrs. J. W. Crouch, 709 Market St., Chattanooga, Tenn.

Roses, Kaiserin, strong plants, 3-in. pots, $7 per 100; $60 per 1,000. Robert Craig Co., 49th and Market Sts., Philadelphia.

Roses, grafted and own root, Bride, Maid, Liberty, Wellesley, Richmond, Killarney. W. H. Elliott, Brighton, Mass.

Roses, Am. Beauty, 3 and 3½-in., $20 per 1,000. Brant & Noe Flo. Co., W. Peterson and N. 48th Aves., Chicago, Ill.

Roses, 300 Maid, 175 Bon Silene, 3½-in., $4 per 100; 1,000 Richmond, 2½ and 3-in., $5 per 100. G. A. Heinl, Toledo, O.

Roses, over 1,000 vars. on own roots, all sizes. Dingee & Conard Co., West Grove, Pa.

Roses, Maid and Graham, 3-in., $5 per 100; $45 per 1,000. Nathan Smith & Son, Adrian, Mich.

Roses, Richmond, strong 2½-in. stock, $5 per 100. Joy & Son Co., Nashville, Tenn.

Roses, field-grown for forcing. W. & T. Smith Co., Geneva, N. Y.

Roses, Bride, Maid, 3-in., $5 per 100. Ludvig Mosbaek, Onarga, Ill.

Roses, climbing plants. Jacs Smits, Ltd., Naarden, Holland.

Roses, leading vars. Jackson & Perkins, Newark, N. Y.

Roses, from 3-in. pots. Wood Bros., Fishkill, N. Y.

SANSEVIERIAS.

Sansevieria Jav. Var., 4-in., $2 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

SANTOLINAS.

Santolinas, 2½-in., $2.50 per 100. Extra fine for borders and bedding. Geo. M. Brinkerhoff, Springfield, Ill.

SEEDS.

Seeds, Vaughan's Intern. Primula mixture, pkt. of 250 seeds, 50c; 5 pkts., $2; 1-16 oz., $2.50. Chinese primulas: Chadwick, 250 seeds, 50c; 1,000 seeds, $1.75; Alba Magnifica, 250 seeds, 50c; 1,000 seeds, $1.70; Glowing Coal, 250 seeds, 50c; 1,000 seeds, $1.75; Blue, 250 seeds, 50c; 1,000 seeds, $1.70; Upright deep velvety red, 250 seeds, 50c; 1,000 seeds, $1.90; Bridesmaid, 250 seeds, 50c; 1,000 seeds, $1.75; Mont Blanc, 250 seeds, 50c; mixed, ⅛ oz., $3; 250 seeds, 35c; 1,000 seeds, $1.25. New Giant Primulas, all colors, 250 seeds, 50c; mixed, 350 seeds, 50c. Primula Obcon. Grandi., 1-16 oz., 60c; tr. pkt., 25c; large flowering, 1-16 oz., 85c; tr. pkt., 25c. Calceolaria Hybrida, tr. pkt., 1,000 seeds, 50c; 3 pkts., $1.25. Cineraria, Vaughan's Columbian Mixture, tr. pkt., 1,000 seeds, 50c; 3 pkts., $1.25. Mignonette, New York Market, tr. pkt., 50c; ⅛ oz., $1; ¼ oz., $2; ½ oz., $3.50; oz., $6. Anemone Coronaria, mixed, tr. pkt., 10c; oz., 40c. Aquilegia Chrysantha, ¼ oz., 20c; tr. pkt., 15c; oz., 70c; Grandi., ¼ oz., 40c; tr. pkt., 20c; oz., $1.25; Coerulea, tr. pkt., 15c; oz., $1.60. Vulgaris fl. pl., lb., $1.50; tr. pkt., 5c; oz., 15c; Bocconia Jap., tr. pkt., 10c; oz., 25c. Campanula Persicifolia Grandi. Alba, tr. pkt., 15c; oz., $1; Coerulea, tr. pkt., 15c; oz., $1; mixed, tr. pkt., 20c; oz., $1.20; pryamidalis, tr. pkt., 10c; oz., 40c; Alba, tr. pkt., 10c; oz., 50c. Candytuft, tr. pkt., 10c; oz., 40c. Chrysanthemum Maximum, lb., $1.65; tr. pkt., 5c; oz., 10c; Prince Henry, tr. pkt., 15c; oz., 50c; Uliginosum, tr. pkt., 20c; oz., $1.50; Shasta, 100 seeds, 50c; ⅛ oz., 50c. Coreopsis Lanc., tr. pkt., 10c; oz., 60c. Delphinium, mix., lb., $2.20; tr. pkt., 5c; oz., 20c; Kelway's new hybrid, tr. pkt., 50c; oz., $5; formosum, lb., $4.50; tr. pkt., 10c; oz., 40c. Dianthus, lb., $1; tr. pkt., 5c; oz., 10c; giant fld., tr. pkt., 10c; oz., 50c; dbl. mix., tr. pkt., 15c; oz., 60c; Plumarius Cyclops, ¼ oz., 35c; tr. pkt., 20c; oz., $1. Digitalis Glox., mix., tr. pkt., 5c; oz., 20c. Gaillardia Grandi., mix., tr. pkt., 10c; oz., 25c; Kelways, tr. pkt., 50c; oz., $5. Gypsophila Pan., tr. pkt., 5c; oz., 15c. Hollyhocks, all colors, each, ¼ oz., 30c; tr. pkt., 15c; oz., $1; Chater's Prize, dbl. mix., ¼ oz., 25c; tr. pkt., 15c; oz., 80c; single, mix., lb., $2.60; tr. pkt., 10c; oz., 25c; Allegheny mix., and white, tr. pkt., 25c; oz., $1. Linum Perenne, tr. pkt., 5c; oz., 15c; P. fl. albo., tr. pkt., 5c; oz., 15c. Lychnis Chal., tr. pkt., 5c; oz., 20c; Haageana hybrid, tr. pkt., 15c; oz., 80c; Sieboldi, tr. pkt., 10c; oz., 40c. Papaver Orientalis, hybrids, mix., tr. pkt., 15c; oz., 85c. Platycodon grandi., tr. pkt., 5c; oz., 20c; alba, tr. pkt., 5c; oz., 25c. Pyrethrum roseum, mix., tr. pkt., 10c; oz., 60c; Roseum hyb. grandi., ¼ oz., 50c; tr. pkt., 25c. Vaughan's Seed Store, Chicago and New York.

Seeds, Asparagus plumosus nanus, per 100, 60c; 1,000, $4.50; 5,000, $20. Calceolaria, 50c per 1,000 seeds. Cineraria, 50c per 1,000 seeds. Cyclamen, $5 per 1,000 seeds, Gloxinia, 50c per 1,000 seeds. Primula Magnifica, mixed, $1.75 per 1,000 seeds. Currie Bros. Co., 308 Broadway, Milwaukee, Wis.

Seeds, pansy, Vaughan's giant named varieties: Giant White, tr. pkt., 10c; ⅛ oz., 20c; oz., $1.20. Aurora, tr. pkt., 10c; ⅛ oz., 20c; oz., $1.30. Adonis, tr. pkt., 10c; ⅛ oz., 20; oz., $1.20. Auricula colors, tr. pkt., 10c; ⅛ oz., 20c; oz., $1.25. Black, tr. pkt., 10c; ⅛ oz., 20c; oz., $1.25. Beaconfield, tr. pkt., 10c; ⅛ oz., 20c; oz., $1.20. Freya, tr. pkt., 10c; ⅛ oz., 20c; oz., $1.30. Mme. Perret, tr. pkt., 20c; ⅛ oz., 50c; oz., $2. Pres. Carnot, tr. pkt., 10c; ⅛ oz., 25c; oz., $1.60. Pres. McKinley, tr pkt., 10c; ⅛ oz., 25c; oz., $2. Pink, tr. pkt., 10c; ⅛ oz., 25c; oz., $2. Purple, tr. pkt. 10c; ⅛ oz., 20c; oz., $1. Violet Blue, tr. pkt., 10c; ⅛ oz., 20c; oz., $1. Striped, tr. pkt., 10c; ⅛ oz., 20c; oz., $1.20. Parisian striped, tr. pkt., 10c; ⅛ oz., 20c; oz., $1.30. Purple King, tr. pkt., 10c; ⅛ oz., 25c; oz., $1.50. Boulogne Giants, tr. pkt., 50c. Rosy Morn, tr. pkt., 25c; ⅛ oz., 60c. Marechal Niel, pkt., 10c. Siegfried, tr. pkt., 25c. Giant Volcano, tr. pkt., 25c. Giant Diana, tr. pkt., 10c; ⅛ oz., 25c; oz., $1.50. Atrosanguinea, tr. pkt., 10c; ⅛ oz., 25c; oz., $1.50. Emperor William, tr. pkt., 10c; ⅛ oz., 20c; oz., $1.25. Yellow, 4 oz., $4.25; tr. pkt., 10c; ⅛ oz., 20c; oz., $1.25. Cassier, 3 spotted, tr. pkt., 10c; ⅛ oz., 20c; oz., $1.20; 5 spotted, tr. pkt., 25c; ⅛ oz., 45c; oz., $3. Bugnot, tr. pkt., 25c; ⅛ oz., 60c; oz., $4.50. Giant Bridesmaid, tr. pkt., 25c; ⅛ oz., 45c; oz., $2.60. Giant, Psyche, tr. pkt., 25c; ⅛ oz., 70c; oz., $5. Giant Pretiosa, tr. pkt. (250 seeds), 25c; ⅛ oz., 35c; oz., $2.50. Special mixtures: International mixture, oz., $10; ½ oz., $5; ⅛ oz., $1.50; tr. pkt., 50c. Giant mixture, ¼ lb., $14; oz., $4; ⅛ oz., 60c; tr. pkt., 25c. Premium mixture, per pkt., 25c; ⅛ oz., 80c; ½ oz., $3; oz., $5.50. New Giant Curled, tr. pkt., 50c; ⅛ oz., 75c; ¼ oz., $1.35; oz., $5. Chicago Parks Bedding, pkt., 10c; ¼ oz., 30c; oz., 75c; 4 ozs., $2.50. Elite mixture, tr. pkt., 50c; ⅛ oz., $1. New Orchid-flowered, tr. pkt., 250 seeds, 25c. Improved German, per large pkt., 10c; ⅛ oz., 20c; ¼ oz., 30c; oz., $1. Cut Flower mixture, tr. pkt., 25c; ¼ oz., 80c; oz., $5.50. Vaughan's Seed Store, Chicago and New York.

Seeds, Asparagus, A. plumosus nanus. Northern greenhouse grown seed, 100 seeds, 60c; 250 seeds, $1.15; 1,000 seeds, $4.50. Southern greenhouse grown, 1,000 seeds, $2.50; 5,000 seeds, $10. A. plumosus robustus, 100 seeds, $1; 1,000 seeds, $9. Decumbens, 100 seeds, 50c; 1,000 seeds, $4. Comorensis, 100 seeds, $1. 1,000 seeds, $7.50. Cash discount 2 per cent. Vaughan's Seed Store, Chicago and New York.

Seeds, California seeds, Cosmos, tall, pink, white or yellow, per lb., $1.50. Nasturtiums, tall, Jupiter or Croesus, per lb., 40c. Sweet peas, separate colors, per lb., 20c; California Giants, mixed, per lb., 18c. Petunias, Giants of California, ⅛ oz., $3. F. Gilman Taylor Seed Co., Glendale, Cal.

Seeds, cyclamen, snow flaked, 100 seeds, $1; 1,000 seeds, $7; lilac color, 100 seeds, 65c; 1,000 seeds, $4. Salmon pink, 100 seeds, $1; 1,000, $6. Fringed vars., all colors, 100 seeds, 75c; 1,000 $5. Geo. Huber, Gotha, Germany.

Seeds, Rawson's Continental cyclamen, white, pink, red, white with claret base and mixed, 50c per 100 seeds; $4 per 1,000; Salmon pink, $2 per 100 seeds; $15 per 1,000. W. W. Rawson & Co., 5 Union St., Boston.

Seeds, L. C. Nungesser, Griesheim near Darmstadt, Germany, exporter and importer. Specialties: Selected grass and clover seeds, alfalfa of Province and Turkestan, free from dodder and cuscuta. Crimson clover.

Seeds, Brown's Giant, prize pansies, mixed, 3,000 seeds, $1; ¼ oz., $1.50; ½ oz., $2.50; 1 oz., $5; ¼ lb., $14; ½ lb., $25; lb., $50. Peter Brown, 124 Ruby St., Lancaster, Pa.

Seeds, Stoke's standard pansy, tr. pkt., 2,000 seeds, 50c; 5,000 seeds, $1; per oz., $5; ¼ lb., $14; ½ lb., $25. Stokes Seed Store, 219 Market St., Philadelphia.

Seeds, pansy, new crop, $1 per packet; $4 per oz.; $12 per ¼ lb. Pansy plants, $4 per 1,000. Cash. B. Soltau, 199 Grant Ave., Jersey City, N. J.

Seeds of all kinds. A. T. Boddington, 342 W. 14th St, New York.

If you do not find what you need in our Ready Reference Department, write us about it.

Seeds of all kinds, specialties: Onion, carrot, lettuce, sweet peas. Pacific Seed Growers' Co., 411 Sansome St., San Francisco. Cal.

Seeds, Florists' Inter. Pansy Mixture, oz., $6; ⅛ oz., 75c; Giant mixture, oz., $4; ⅛ oz., 75c. Ludvig Mosbaek, Onarga, Ill.

Seeds, choice strains, cineraria, calceolaria, cyclamen, pansy, petunia, etc. Jas. Vick's Sons, Rochester, N. Y.

Seeds; prize pansy, tr. pkts., $1; Giant Market, 2,000 seeds; Giant Fancy, 600 seeds. A. Zirngiebel, Needham, Mass.

Seeds, Roemer's superb prize pansies, and all the leading novelties. Fred Roemer, Quedlingburg, Germany.

Seeds, Coronation pansy, mailed free, $2 per oz. Bedfordshire Seed Co., Ltd., Sandy, England.

Seeds, high grade grass, clover and tree seeds. Conrad Appel, Est., 1789, Darmstadt, Germany.

Seeds, asparagus plumosus, $3.50 per 1,000 seeds. J. M. Thorburn & Co., 33 Barclay st., New York.

Seeds, 5,400 acres of garden seeds in cultivation. Braslian Seed Growers' Co., San Jose, Cal.

Seeds, pansy, 1,000 seeds, mixed, 25c; 1 oz., $2.25. H. Wrede, Luneburg, Germany.

Seed, pansy, large flowering, per oz., $4. Jos. H. Cunningham, Delaware, O.

Seeds, W Atlee Burpee Co., Philadelphia, Pa.

SELAGINELLAS.

Selaginella Denticulata, 3-in., $1 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

SMILAX.

Smilax, first-class. Must be moved, hence the price, 2-in., $1 per 100; 2½-in., $1.50 per 100. John Beimford, Wilton Junction, Iowa.

Smilax, 2-in. pots, twice cut back, $1 per 100. Theo. G. Browne, 6948 Magnolia Ave., St. Louis, Mo.

Smilax, 3-in., $4 per 100; 2½-in., $2.50 per 100. W. H. Gullett & Sons, Lincoln, Ill.

Smilax, 2¼-in. pots, $1 per 100; $9 per 1,000. Jos. H. Cunningham, Delaware, O.

Smilax, $2 per 100; $15 per 1,000. R. Vincent, Jr. & Son, White Marsh, Md.

Smilax, 2-in. pots, $1 per 100; $9 per 1,000. W. T. Buckley Co., Springfield, Ill.

Smilax, $1.50 per 100; $12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Smilax, from 2-in. pots, $2.50 per 100. Eli Cross, Grand Rapids, Mich.

Smilax, 2½-in. pots, $1.50 per 100. J. L. Dillon, Bloomsburg, Pa.

Smilax, 2-in., $2 per 100. Ludvig Mosbaek, Onarga, Ill.

Smilax, 2½-in., $1.25 per 100. G. A. Heinl, Toledo, O.

Smilax. Wood Bros., Fishkill, N. Y.

Smilax. Geo. A. Kuhl, Pekin, Ill.

SPIREAS.

Spireas, Gladstone and Superba. L. van Leeuwen & Son, Sassenheim, Holland.

Spireas. Jacs Smits, Ltd., Naarden, Holland.

VINCAS.

Vinca, Var., 4-in., $8 per 100. V. Minor, 2½-in., $2.50 per 100. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Vinca variegata, 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

VIOLETS.

Violets, Gov. Herrick, new single violet, good keeper; rooted cuttings, $2 per doz.; $10 per 100; $75 per 1,000; 5,000 or more, $60 per 1,000. H. R. Carlton, Willoughby, O.

Violets. Wood Bros., Fishkill, N. Y.

Violets, Princess of Wales, rooted cuttings, $12 per 1,000; from 2-in. pots, $25 per 1,000. Eli Cross, Grand Rapids, Mich.

Violets, Princess of Wales, clumps, $5 per 100. Joy & Son Co., Nashville, Tenn.

WHOLESALE CUT FLOWERS.

Commission Dealers.

Allen, J. K., 106 W. 28th St., New York.

Amling, E. C., 32-36 Randolph St., Chicago.

Berning, H. G., 1402 Pine St., St. Louis.

Cleveland Cut Flower Co., 215 Huron road, Cleveland, O.

Deamud, J. B., Co., 51 Wabash Ave., Chicago.

Flower Growers' Market, 60 Wabash Ave., Chicago.

Ford Bros., 48 W. 28th St., New York.

Froment, Horace E., 57 W. 28th St., New York.

Guttman, Alex. J., 43 W. 28th St., N. Y.

Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Henshaw, A. M., 52 W. 28th St., New York.

Horan, Edward C., 55 W. 28th St., N. Y.

Hunt, E. H., 76 Wabash Ave., Chicago.

Kennicott Bros. Co., 40-44 Randolph St., Chicago.

Kessler, Phil. F., 55 W. 26th St., N. Y.

Kuehn, C. A., 1122 Pine St., St. Louis.

Langjahr, Alfred H., 55 W. 28th St., New York.

McCullough Sons Co., J. M., 316 Walnut St., Cincinnati, O.

McKellar, Chas. W., 51 Wabash Ave., Chicago.

McKissick, W. E., 1221 Filbert St., Philadelphia.

Michigan Cut Flower Exchange, 38-40 Miami Ave., Detroit, Mich.

Murdoch, J. B. & Co., 545 Liberty Ave., Pittsburg, Pa.

New York Cut Flower Exchange, Coogan Bldg., 6th Ave. and W. 26th St., N. Y.

Niessen Co., Leo, 1217 Arch St., Philadelphia, Pa.

Pennock, S. S., Philadelphia.

Pittsburg Cut Flower Co., Ltd., 504 Liberty Ave., Pittsburg, Pa.

Pittsburg Florists' Exchange, 217-223 Diamond St., Pittsburg, Pa.

Pollworth, C. C. Co., Milwaukee, Wis.

Randall, A. L. Co., 19 Randolph St., Chicago.

Raynor, John I., 49 W. 28th St., N. Y.

Rice Bros., 128 N. 6th St., Minneapolis, Minn.

Seligman, John, 56 W. 26th St., N. Y.

Sheridan, Walter F., 39 W. 28th St., New York.

Traendley & Schenck, 44 W. 28th St., New York.

Vaughan & Sperry, 58-60 Wabash Ave., Chicago.

Welch Bros., 15 Province St., Boston.

Winterson, E. F. Co., 45-49 Wabash Ave., Chicago.

Young, A. L. & Co., 54 W. 28th St., New York.

Young, Thos., 43 W. 28th St., N. Y.

Zech & Mann, 51 Wabash Ave., Chicago.

Growers.

Bassett & Washburn, 76-78 Wabash Ave., Chicago.

Benthey-Coatsworth Co., The, 35 Randolph St., Chicago.

Bruns, H. N., 1409-1411 W. Madison St., Chicago.

Budlong, J. A., 37-39 Randolph St., Chicago.

Chicago Rose Co., 56-58 Wabash Ave., Chicago.

Hill, The E. G. Co., Richmond, Ind.

Jensen & Dekema, 674 W. Foster Ave., Chicago.

Metairie Ridge Nursery Co., New Orleans, La.

Peacock Dahlia Farms, Atco, N. J.

Poehlmann Bros. Co., 35-37 Randolph St., Chicago.

Reinberg, Peter, 51 Wabash Ave., Chicago.

Sinner Bros., 60 Wabash Ave., Chicago.

South Park Floral Co., Heller Bros., New Castle, Ind.

Weiland & Risch, 59 Wabash Ave., Chicago.

Wietor Bros., 51 Wabash Ave., Chicago.

Wilcox, J. F., Council Bluffs, Iowa.

Wittbold, Geo. Co., 1657 Buckingham Place, Chicago.

RETAIL CUT FLOWERS.

Atlanta Floral Co., 41 Peachtree St., Atlanta, Ga.

Berterman Bros. Co., 241 Massachusetts Ave., Indianapolis, Ind.

Breitmeyer's, John, Sons, cor. Miami and Gratiot Aves, Detroit, Mich.

Clark, Wm., Colorado Springs, Col.

Cooke, Geo. H., Connecticut Ave. and L. St., Washington, D. C.

Daniels & Fisher, Denver, Col.

Donohoe, W. H., 2 W. 29th St., New York.

Eyres, H. G., 11 N. Pearl St., Albany, N. Y.

Gude, A. & Bro., 1214 F St., Washington, D. C.

Hansen, Mrs. M. A., Galveston, Tex.

Hauswirth, P. J., Auditorium Annex, Chicago.

Hess & Swoboda, 1415 Farnum St., Omaha, Neb.

Holm & Olson, St. Paul, Minn.

Kellogg, Geo. M., 906 Grand Ave., Kansas City, Mo., also Pleasant Hill, Mo.

Lange, A., 40 E. Madison St., Chicago.

Mayberry & Hoover, 1339 14th St., N. W., Washington, D. C.

Mills, The Florist, 36 W. Forsyth St., Jacksonville, Fla.

Murray, Samuel, Coates House Conservatory, 1017 Broadway, Kansas City, Mo.

Park Floral Co., The, Denver, Col.

Palmer's, Buffalo, N. Y.

Virgin, Uriah J., 833 Canal St., New Orleans, La.

Weber, Fred C., 4320-28 Olive St., St. Louis, Mo.

Wilcox, J. F., Council Bluffs, Iowa.

Wilson, Robert G., Brooklyn, N. Y.

BOILERS.

Boilers, improved greenhouse boilers, made of best material; shell firebox sheets and heads of steel; water space all around (front, sides and back). Kroeschell Bros. Co., 45 Erie St., Chicago.

Boilers, horizontal, tubular boilers, 10 to 150 H. P. Boiler tubes, 2 to 6 in. Chicago House Wrecking Co., W. 35th and Iron Sts., Chicago.

Boilers, Gurney heaters, heat by steam or hot water. Gurney Heater Mfg. Co., 111 5th Ave., N. Y.; 74 Franklin St., Boston.

Boilers, the Burnham boilers, made for greenhouse heating. Lord & Burnham Co., 1133 Broadway, New York.

Boilers, corrugated, fire box and sectional, greenhouse heating. Hitchings & Co., 1170 Broadway, New York.

Boilers, boilers of high grade for greenhouses. Steam and hot water. Giblin & Co., Utica, N. Y.

Boilers, water tube steam boilers. King Construction Co., N. Tonawanda, N. Y.

Boilers, write for prices. Johnston Heating Co., 1133 Broadway, N. Y.

BOXES.

Cut Flower Boxes; send for prices. Edwards Folding Box Co., Philadelphia, Pa.

If you do not find what you need in our Ready Reference Department, write us about it.

Cut Flower Boxes, water-proof; corner lock style. No charge for printing on orders above 250 boxes. Livingston Seed Co., Columbus, O.

BUILDING MATERIAL.

Building material, lumber for greenhouse benches. Ship lap, drop siding, sheathing, flooring, white cedar posts, etc. We are in special position to furnish "Pecky Cypress;" everything in pine and hemlock building lumber. Adam Schillo Lumber Co., cor. Weed St. and Hawthorne, Chicago.

Building Material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouses and other building material. Men furnished to superintend erection when desired. A. T. Sterns Lumber Co., Neponset, Boston, Mass.

Building Material, cypress sash bars. Tennessee red cedar posts, pecky cypress benches, hotbed sash and frames, ventilating apparatus, pipe, fittings, and all supplies needed in new or reconstruction work. Foley Mfg. Co., 471 W. 22d St., Chicago.

Building Material. Our designs embody best features of greenhouse construction. Best grade gulf cypress used. Red cedar posts, iron fittings, hotbed sash. Lockland Lumber Co., Lockland, O.

Building Material, cypress sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 111-125 Blackhawk St., Chicago.

Building Material, hotbed sash, 2,500 3x6 ft. new frames, glazed, $1.80 each. Sash, doors. Chicago House Wrecking Co., W. 35th and Iron Sts., Chicago.

Building Material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 617 Sheffield Ave., Chicago.

Building Material of all descriptions, cold frames, hotbed sash, etc. Lord & Burnham Co., 1133 Broadway, New York.

Building Material for U-Bar greenhouses. Pierson U-Bar Co., Metropolitan Bldg., 4th Ave. and 23rd St., N. Y.

Building Material, cold frames, hotbed sash of every description. Hitchings & Co., 1170 Broadway, New York.

Greenhouse material of all kinds for greenhouse heating. Johnston Heating Co., 1133 Broadway, New York.

Building Material of all kinds. S. Jacobs & Sons. 1365-79 Flushing Ave., Brooklyn, N. Y.

GLASS.

Glass importers and jobbers; greenhouse glass a specialty. Window glass. James H. Rice, corner Michigan, St. Clair and Illinois Sts., Chicago.

Glass, plate and window glass, greenhouse glass a specialty. Sprague-Smith Co., 167-169 Randolph St., Chicago.

Glass, a lot of 16x18 A and B double strength, at low price. A. Dietsch Co., 617 Sheffield Ave., Chicago.

Glass, window glass. Greenhouse glass a specialty. H. M. Hooker Co., 50 W. Randolph St., Chicago.

Glass, French and American "White Rose" brand. Stenzil Glass Co., 2 Hudson St., New York.

Glass roofing. Chicago House Wrecking Co., W. 35th and Iron Sts., Chicago.

GLAZING POINTS.

Glazing Points, see the point? Holds glass firmly. Peerless glazing points are the best. No right or lefts. Box of 1,000 points, 75c, postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

GREENHOUSE CONSTRUCTION.

Greenhouse Construction, Eureka greenhouse the best and lowest in price. All houses erected at factory and shipped to purchaser with blue prints, photographs and plain directions so any person can put up. Dillon Greenhouse Mfg. Co., Bloomsburg, Pa.

Greenhouse Construction, builders of greenhouses for private estates, institutions, parks, etc. Pierson U-Bar Co., Metropolitan Bldg., 4th Ave, and 23d St., New York.

Greenhouse Construction, every type of iron frame or wooden construction. Best workmanship, right prices. Weathered Company, 46-48 Marion St., New York.

Greenhouse Construction, sash bar greenhouses, New Truss construction and iron frame houses. Lord & Burnham Co., 1133 Broadway, New York.

Greenhouse Construction, builders of every type of greenhouses; the most modern designs. Hitchings & Co., 1170 Broadway, New York.

GUTTERS.

Gutters, Garland's gutters will keep snow and ice off your glass. A sample of our gutter is on exhibition at Chicago Flower Growers' Market. Geo. M. Garland, Des Plaines, Ill.

Gutters, Lord & Burnham Improved V-shape gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, New York.

Gutters, new duplex gutter, only drip proof gutter on the market. E. Hippard, Youngstown, O.

Gutters, Jennings, improved iron gutters. Diller, Caskey & Co., Sixth and Berk Sts., Philadelphia.

INSECTICIDES.

Fumigating Supplies, tobacco dust for fumigating. Edwin L. Koppelman & Co., 81 Pine St., New York.

Fumigating Supplies, vaporizing pans for tobacco extracts, improved. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

Fumigating Supplies, tobacco powder and stems. The H. A. Stoothoff Co., 117 West St., New York.

Insecticide, Nicoticide Bug Killer, the best bug killer and bloom saver. P. R. Palethorpe Co., Louisville, Ky.

Insecticides, Carman's Antipest insecticide and fungicide, $1.50 per gal. Perfection Chemical Co., Flushing, N. Y.

HOSE.

Hose, garden. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

LAWN MOWERS.

Lawn Mower. The Clipper, lawn mower, No. 1, 12-in., $5; No. 2, 15-in., $6; No. 3, 18-in., $7; No. 4, 21-in., $8. Draft, money order or reg. letter. Clipper Lawn Mower Co., Dixon, Ill.

MASTICA.

Mastica, for glazing greenhouses. F. O. Pierce Co., 170 Fulton St., New York.

METAL DESIGNS.

Metal designs, send for prices. A. Hermann, 404-12 E. 34th St., New York.

MISCELLANEOUS.

Engravings, best engravings and illustrations of every description for catalogues. Send for estimates, Globe Eng. & Elec. Co., 427 Dearborn St., Chicago.

Florists' overdue acounts and bad debts collected by the National Florists' Board of Trade, 56 Pine St., New York City.

Printing, large runs of catalogues a specialty. Write for figures. Regan Printing House, 89-91 Plymouth Place, Chicago.

The Dayton Souvenir, Pictorial Directory. H. M. Altick, Mgr. Souv. Dept., Dayton, O.

PAINT, PUTTY, ETC.

Paint, Ideal Greenhouse Lead; Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, New York.

Paint, Putty, etc., H. M. Hooker Co., 59 W. Randolph St., Chicago.

Paint, Putty, etc. The Jas. H. Rice Co., 80-82 Wabash Ave., Chicago.

PIPE, FITTINGS, ETC.

Pipe, iron fittings, etc., galvanized iron sash hinges, screw eyes, screw hooks, U bolts, galvanized iron buckles and wires. Fittings for purlin and ridge supports. Foley Mfg. Co., 471 W. 22d St., Chicago.

Pipe, 50 miles of wrought, all sizes, ⅜ to 16 in. Plumbing material, valves. Chicago House Wrecking Co., W. 35th and Iron Sts., Chicago.

Iron Fittings, patent iron bench fittings and roof supporters. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

A Bargain, 4-in., cast iron pipes, 5 feet lengths at 12c per foot. C. C. Pollworth Co., Milwaukee.

Iron Fittings, etc., send for prices. Lockland Lumber Co., Lockland, O.

POTS, PANS, ETC.

Pots, standard, seed pans, cut flower cylinders, hanging baskets, lawn vases, etc. Hilfinger Bros. Pottery, Ft. Edward, N. Y.

Pots, standard flower pots. The Whildin Pottery Co., Philadelphia, Pa.; Jersey City, N. J., Long Island City, N. Y.

Pots, before buying write for prices. Geo. Keller & Son, 361-63 Herndon St., near Wrightwood Ave., Chicago.

Pots, red standards, full size and wide bottoms. Detroit Flower Pot Mfy., 490 Howard St., Detroit, Mich.

Pots, pots of all kinds. A. H. Hews & Co., No. Cambridge, Mass.; Long Island City, N. Y.

Pots, red standard, azalea pots. The Keller Pottery Co., 213-223 Pearl St., Norristown, Pa.

Pots, Syracuse red, Syracuse Pottery Co., Syracuse, N. Y.

Pots, red standard. Paducah Pottery, Paducah, Ky.

Pot hangers, Kramer's $1 doz. by exp., $1.25 by mail. I. N. Kramer & Son, Cedar Rapids, Ia.

PUMPING ENGINES.

Pumping Engines, two streams of water for 1 hour cost 2 cents if you use a Standard pumping engine. The Standard Pump & Engine Co., Cleveland, O.

RAFFIA.

Raffia, samples free if you mention the American Florist. Large assortment of colors. R. H. Comey Co., Camden, N. J., 810-24 Washburn Ave., Chicago.

SEED CASES.

Seed cases, Heller's mice proof. W. C. Heller & Co., Montpelier, O.

STEAM TRAPS.

Steam Traps, the Standard return steam trap has no equal for its simplicity of working. E. Hippard, Youngstown, O.

SUPPLIES.

Supplies, milkweeds, wire designs cut wire, all kinds letters, immortelles, cycas leaves, sheaves of wheat, ribbons, corrugated boxes of all kinds. Henry M. Robinson & Co., 8-11 Province St., Boston, Mass.

Supplies, importers and manufacturers of florists' supplies. L. Baumann & Co., 78 Wabash Ave., Chicago.

Supplies, cape flowers, cycas leaves, metal designs, and all florists' supplies. A. Herrmann, 404-12 E. 34th St., New York.

Supplies, importers and manufacturers of florists' supplies. Reed & Keller, 122 W. 25th St., New York.

Supplies, wire designs, etc. The Cleveland Cut Flower Co., 215 Huron road, Cleveland, O.

Supplies, florists' wire designs and supplies. Emil Steffens, 335 E. 21st St., New York.

Supplies and novelties of all kinds. J. Stern & Co., 1928 Germantown Ave., Philadelphia.

Supplies, flower baskets, novelties. Riessner Bros., Lichtenfels, Bavaria.

Wilson's Plant Oil for all kinds of plants. In 4-oz. to 1-gal. sizes. Andrew Wilson, 437 Springfield Ave., Summit, N. J.

TOOTHPICKS.

Toothpicks, wired, $1.50 per 10,000; $6.25 per 50,000. W. J. Cowee, Mfr., Berlin, N. Y.

If you do not find what you need in our Ready Reference Department, write us about it.

OUR PASTIMES.

At Utica, N. Y.

FLORISTS' CLUB OUTING.

The fifth annual outing of the Florists' Club was held July 17 at Three mile point, Otsego lake. Although the weather prospects were unfavorable in the forenoon there was a representative for every ticket sold and about 75 florists and friends started on the 56-mile trolley trip. The ride from Utica to Cooperstown is through the prettiest and roughtest section of central New York. Upon arrival the clouds were breaking but as it was raining lightly the party at once embarked on the steamer "Mohican" for Three Mile Point, where everything was in readiness for dinner and pleasure. The hard work had been done by Wm. Wagner and wife, of Cooperstown, who received the thanks of every one present for the success of the excursion. After spending three very pleasant hours at the point the boat "Pathfinder" called for us and we had a 22-mile ride on the smooth waters of the lake. The rain had ceased and with the fine music of a five-piece orchestra which had been taken along the ride will be remembered by all as one of the most enjoyable of their lives. During the ride the president, Frank Baker, requested that the orchestra play a wedding march in honor of two coming events. When the boat landed at Cooperstown again there were four hours to visit the many points of interest in the historic old town. Some spent the time in mountain climbing while others visited spots made famous by James Fennimore Cooper's novels, also his grave. At 8 p. m. a more satisfied crowd would have been hard to find than those waiting for the special car to start on the homeward journey, the only regret being that they could not stay for a much longer time. Among the out-of-town guests were: Mr. Coakley, of the Scranton Florists' Supply Co.; Joseph Trandt, of Canajoharie, N. Y.; E. F. Quinn, of Norwich, N. Y.; Edw. Byam, wife and children, also C. B. and Miss Humphrey, of Rome; Geo. Benedict and wife, and Wm. Owens and wife, of Whitesboro, N. Y.; Mrs. and Miss Wiesbecker, of Ilion.

AT THE UTICA FLORISTS' CLUB PICNIC, JULY 17.

Twin City Florists' Outing.

The outing of the Twin City florists is now a thing of the past and an occasion that will be long remembered as it was the first time that a river excursion was tried. The weather was perfect for a picnic day and as a result there was a big attendance of the florists, their families and friends.

The start, July 19, was made on schedule time but owing to the low water in the Minnesota river the boat was obliged to turn back and go down river where a landing was made at Red Rock and where the running races and rifle shoot took place. All the events were keenly contested and if Uncle Sam ever wants for any crack marksmen or sharpshooters he would find a small regiment of them right here among the florists.

The shooting seemed to be the most popular event of all, nearly every one trying his hand at it, the ladies as well as the men. And speaking for the ladies I will say that they did very well, one of them coming in for a prize. The prize winners were Carl Peterson, first; N. C. Hansen, second, and Miss Hartman, third.

The ladies' nail driving contest was very poular also. Ten penny nails were used and the lady using the least number of strokes in driving the nail home won the contest. Mrs. Busch won first, Mrs. Raash, second, and Mrs. Henry Puvogel, third.

Elmer Bergstrom won the race for boys under 12 years, Alfred May, second, and Julius Stern, third.

The race for girls under 12 was won by Anastacia Dill, Olivia Hiersekam, second, and Elizabeth Seeger, third.

For boys under 16 Louis Fransen won first prize, Percy Armstrong, second, and Carroll Keiper, third.

In the young ladies' race Miss Helen Latham came home first, Miss Esther Holmberg, second, and Miss Ida Busch, third.

The employes' obstacle race was one of the hottest ever run, and had to be run in heats on account of the number of entries. The course was 100 yards with two hurdles and it gave the boys a chance to show off their athletic attainments. Geo. Roatz won first, after a very hard struggle with Chris Hansen, Jr., after a tie; John Nylof, second, and Robert Topel, third.

The employers' race proved a walkaway for O. J. Olson, Wm. Swanson and Carl Haugen coming in second and third, respectively.

The married ladies' race proved quite exciting. Mrs. Gersmeyer won first, Mrs. Raash, second, and Mrs. Jones, third.

In the tug of war St. Paul proved to be the masters of their Minneapolis brethren, who were not satisfied with being pulled all over the grounds once, but tried it twice with the same result.

The prize waltz was carried off by Julius Neutzling and Miss Bertha Guerenz with first honors, Mr. and Mrs. Lundgren, second, and Otto Kronke and Miss Lane, third.

Dancing was indulged in all the time while on the boat and the young people seemed to enjoy it very much. Ice cream was served to everybody free of charge as well as cigars to the men on the return trip. A fine lot of prizes were distributed to the winners of the different events, which had mostly been contributed by merchants and consisted of all kinds of things from pocket knives to a ton of coal and cut glass dishes.

The bowling events are not scheduled to come off until next week, when teams representing St. Paul and Minneapolis will contest for the gold medal and buttons for each member of the winning team. The medal has been bowled for twice already, St. Paul winning it both times and should St. Paul win it this year it will become the club's property. A big list of prizes is being arranged for by the committee in charge for the individual bowling contest also and a big time is expected.

A. K. Kerchun of Helena, Montana, and N. Clarine of Faribault, Minn., attended the outing and had a good time.

O.

At Chicago.

There was a goodly representation of members at the bowling alleys on the evening of July 24. Among those not seen there for some time were Mrs. Hauswirth, Mrs. Fred Stollery and Mrs. Klunder. We also noted P. J. Hauswirth, James S. Wilson, Fred Stollery, Champion Stevens and H. E. Philpott, of Winnipeg, Man., among those in attendance. The games rolled on this occasion were the first on the final tri-out series for the Dayton team. Fifteen games have to be rolled before convention week and we believe that all who wish to participate can have the time of the games adjusted by conferring with the officers of the Bowling Club next bowling night, July 31, at Bensinger's alleys on Monroe street. The scores made by the ladies were as follows:

Player.	1st.	2d.	3d.
Mrs. Asmus	90	107	74
Mrs. Kreitling	157	134	101
Mrs. Klunder	54	87	64
Mrs. Hauswirth	121	111	74
Mrs. Fred Stollery	80	71	73
Mrs. Scott	120	78	94

Considering that many of the men have not bowled very much this season, the following scores will be found quite creditable:

Player.	1st.	2d.	3d.	4th.
Balluff	142	116	143	147
Hauswirth	118	150	133	151
Klunder	156	114	113	140
Bergman	183	234	169	191
Scott	180	174	143	196
Stevens	174	178	200	168
Asmus	160	150	146	181
Kreitling	180	147	179	127
Stollery	128	177	139	163
Wilson	162	190	145	..

AT THE UTICA FLORISTS' CLUB PICNIC, JULY 17.

The Whilldin Pottery Co.

STANDARD FLOWER POTS

Our output of Flower Pots is larger than any concern in the World
Our Stock is always Large and Complete

Main Office and Factory,

713 WHARTON STREET, PHILADELPHIA

Warehouses: JERSEY CITY, N. J. LONG ISLAND CITY, N. Y

FLORIST WARE OF EVERY KIND

A. H. HEWS & CO. INC.

CAMBRIDGE, MASS.

POT MAKERS FOR 140 YEARS

CLIPPER LAWN MOWER CO DIXON ILL.

The Mower that will **kill all the Weeds in your Lawn.** If you keep the weeds cut so they do not go to seed and cut your grass without breaking the small feeders of roots, the grass will become thick and the weeds will disappear.

The Clipper will do it. Ask your dealer for them. If they have not got them, below is the price: No. 1—12-inch Mower $5; No. 2—15-inch Mower, $6; No. 3—18-inch Mower, $7; No. 4—21-in. Mower, $8. Send draft, money-order or reg. letter.

THE KELLER POTTERY COMPANY,

Manufacturers of **FLORISTS' RED STANDARD POTS.**

Azalea Pots, Bulb and Fern Pans, Etc.

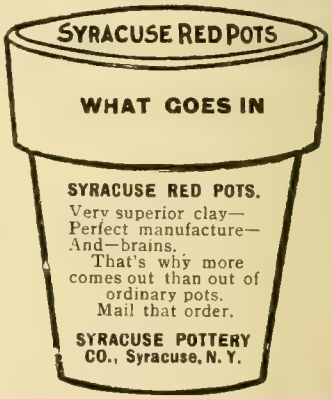
Write for Price List. 213-15-17-19-21-23 Pearl St., NORRISTOWN, PA.

GLASS

GOOD BRANDS.
QUICK SHIPMENTS.
LARGE STOCK.

Warehouse on railroad switch. **Be Sure and Get Our Prices.**

SHARP, PARTRIDGE & CO.,
22nd St. and Union Place, CHICAGO.



THE BEST Bug Killer and Bloom Saver.

For **PROOF** Write to

P. R. PALETHORPE COMPANY,

LOUISVILLE, KY.

Standard Flower Pots!

Packed in small crates, easy to handle.

	Price per crate		Price per crate
1500 2-in., in crate,	$4 88	120 7-in., in crate,	$4 20
1500 2¼ "	5.25	60 8 "	3.00
1500 2½ "	6.00	HAND MADE.	
1000 3 "	5.00	48 9-in., in crate,	$3.60
800 3½ "	5.80	48 10 "	4.80
500 4 "	4.50	24 11 "	3.60
320 5 "	4 51	24 12 "	4.80
144 6 "	3.16	12 14 "	4.80
		6 16 "	4.50

Seed pans, same price as pots. Send for price list Cylinders for Cut Flowers, Hanging Baskets, Lawn vases, etc. Ten per cent off for cash with order. Address

HILFINGER BROS. POTTERY, Fort Edward, N. Y
or AUGUST ROLKER & SONS, New York Agents,
31 Barclay Street, New York City.

SPRAGUE, SMITH CO.

JOBBERS AND MANUFACTURERS OF

Window Glass.

GREENHOUSE GLASS A SPECIALTY.

167-169 Randolph St., CHICAGO.

GEO. KELLER & SON,
MANUFACTURERS OF
FLOWER POTS,
Before buying write for prices.
361-363 Herndon Street, near Wrightwood Ave.,
CHICAGO, ILL.

THOSE RED POTS

"STANDARDS"

FULL SIZE AND WIDE BOTTOMS.
BULB PANS AND AZALEA POTS.

DETROIT FLOWER POT M'F'Y.

HARRY BALSLEY, Rep. DETROIT, MICH. 490 Howard St.

Le Journal des Roses.

Organ of the French Rosarians.

Published at Paris. Once a month with colored plates.

Subscription $2.70 per Year. Sample Copies Free.

ADMINISTRATION DU SUISNES **JOURNAL DES ROSES**

a SUISNES, Brie, a Grisy-Suisnes. (Seine et Marne), FRANCE.

Please mention the American Florist when writing.

Red Standard Flower Pots

Price list and samples on application.

PADUCAH POTTERY CO., Inc.

PADUCAH, KENTUCKY.

Kramer's Pot Hangers

For Sale by Wholesale Seedsmen, Florists and Supply Dealers.

Price, $1.00 per dozen by express. Sample dozen by mail, $1.25.

I. N. Kramer & Son, CEDAR RAPIDS, IOWA.

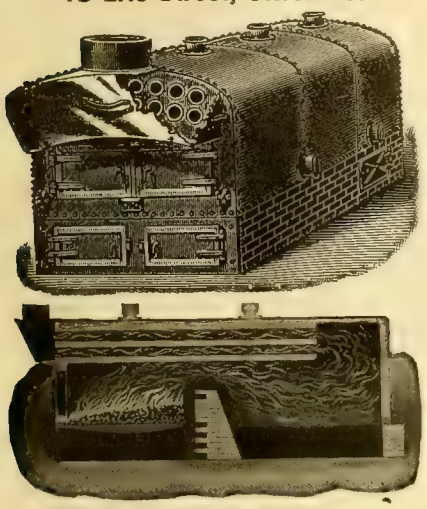
THE BLACK STUFF FINE TOBACCO

FOR DUSTING IS GROUND VERY FINE FROM THE HEAVY PURE LEAF

LET US TELL YOU ABOUT IT.

THE H-A-STOOTHOFF CO. 116 WEST ST. NEW-YORK

KROESCHELL BROS. CO.
IMPROVED
Greenhouse Boiler
45 Erie Street, CHICAGO.



Boilers made of the best of material, shell, fire-box sheets and heads of steel, water space all around (front, sides and back). Write for information.

Please mention the American Florist when writing

CUT FLOWER BOXES
WATERPROOF Corner Lock Style.

The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always.

Size No.		Per 100	Per 1000
0.	3x 4x20	$2.00	$19.00
1.	3x 4½x16	1.90	17.50
2.	3x 6x18	2.00	19.00
3.	4x 8x18	2.50	23.00
4.	3x 5x24	2.75	26.00
5.	4x 8x22	3.00	28.50
6.	4x 8x28	3.75	36.00
7.	6x16x20	5.50	54.00
8.	3x 7x21	3.00	28.50
9.	5x10x35	6.50	62.00
10.	7x20x20	9.50	67.50
11.	3½x5x30	3.00	28.50

Sample free on application. No charge for printing on orders above 250 boxes. Terms cash.

THE LIVINGSTON SEED COMPANY,
Box 104, COLUMBUS, OHIO.

Please mention the American Florist when writing.

ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the

"Horticultural Advertiser"

This is the British Trade Paper, being read weekly by all the Horticultural traders; it is also taken by over 1000 of the best continental houses. Annual subscription to cover cost of postage 75c; Money orders payable at Lowdham, Notts.

Address **Editors of "H. A."**

Chilwell Nurseries, LOWDHAM, Notts, England

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

AMERICAN FLORIST ADS ALWAYS DO BUSINESS

Week days and every day, Sundays and holidays,

ALL OVER THE COUNTRY AT HOME AND ABROAD.

The James H. Rice Co.
IMPORTERS and JOBBERS
GREENHOUSE GLASS
A SPECIALTY.
Window Glass, Paint, Putty, etc.
Office and Warehouse: Corner of Michigan, St. Clair and Illinois Streets, CHICAGO.

ESTABLISHED 1866 **EMIL STEFFENS**
MANUFACTURER OF
FLORISTS' WIRE DESIGNS & SUPPLIES
335 EAST 21ST ST. NEW YORK CITY.

GREENHOUSE HEATING
Complete heating plants erected or materials furnished with working plans. Write for prices on **BOILERS.**

JOHNSTON HEATING COMPANY,
St. James Building. 1133 Broadway, NEW YORK.

"Eureka"
Weed Killer.

Saves Weeding. Keeps Paths, etc., clear without disturbing or staining the gravel.

Soluble Powder, readily mixed and applied. Large Size Tin, enough for 100 square yards, 75 cts. each. Special prices to Cemeteries and buyers in large quantities. Full directions with each tin.

Vaughan's Seed Store,
CHICAGO: 84-86 Randolph St. NEW YORK: 14 Barclay St.

Carman's Antipest
INSECTICIDE AHD FUNGICIDE
For the Garden, Orchard and Greenhouse.
Non-poisonous and harmless to vegetation.

Kills Green Fly, Aphides, Bark Lice, Thrip, Mealy Bug, Red Spider, Scale, Wire Worms, Ants and Slugs.

This is the Grower's Friend, handy to use, cheap and effective, mixes readily in water. Destroys all insect pests and keeps down filth. Circulars on application. **$1.50 per gallon.** Also in quarts, half gallons and in bulk.

PERFECTION CHEMICAL CO.,
FLUSHING, N. Y.

L. BAUMANN & CO.,
Importers and Manufacturers of
Florist Supplies

76-78 Wabash Ave., CHICAGO.

Write for our New Catalogue F. Our prices may interest you.

The Regan Printing House
LARGE RUNS OF
CATALOGUES —OUR— SPECIALTY
WRITE FOR FIGURES.
83-91 Plymouth Place, CHICAGO.

FOR SALE

GLASS New American 50 sq. ft. to the box. 10x12 single $1.75 per box; 12x12 single $1.80 per box; 10x12, 12x12, 10x15 double, $2.55 per box; 12x14, 12x20, 14x14, 14x20, double, $2.75 per box; 16x16, 16x18, $3.10 per box; 16x24, double, $3.30 per box Second hand, 8x10, 8x12, 10x12, single at $1.50 per box; double, $1.75 per box.

GARDEN HOSE New, ¾-in. guaranteed 100-lbs pressure, 7½c. per ft; ¾-in. not guaranteed, 4¾c. per ft

HOT-BED SASH New Cypress 3ft x6ft from 75cts. up; glazed, complete, from $1.60 up; Second-hand in good condition, all glass in, at $1.25 and $1.00 each.

PIPE Good serviceable second-hand, with threads; 2-inch, 7 cts.; 1¼-inch, 5½ cts; 1¼-inch, 4cts.; 1-inch, 3cts-; 2½-inch, 10c's; 3-inch, 14cts.; 4 inch, 19cts. New 2-inch, Standard, full lengths with couplings 8¾cts per ft. Old and new fittings and valves.

Get Our Prices on
Boilers, Pumps, Stillson Wrenches, Stocks and Dies, Pipe Cutters, Pipe Vises, Cypress Material, Etc.

METROPOLITAN MATERIAL CO.
1398-1408 Metropolitan Avenue, BROOKLYN, N. Y.

WILSON'S PLANT OIL.
The best Insecticide and Plant Renovator ever introduced. Positively harmless. Put up in cans and bottles. Send for circular, testimonials and trade price.

ANDREW WILSON, 437 Springfield Ave. SUMMIT, N. J.

Wired Toothpicks
10,000, $1.50; 50,000, $6.25. Manufactured by
W. J. COWEE, BERLIN, N. Y.
Sample free. For sale by dealers.

A. HERRMANN,
Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florists' Supplies.

SEND FOR PRICES.

404-412 East 34th St., NEW YORK.

SUN DRIED CYPRESS
GREENHOUSE MATERIAL
IS THE BEST.
WRITE
FOLEY MFG. Co.
471 W. 22ND ST.
- CHICAGO -
FOR FREE CATALOGUE
VENTILATING APPARATUS, FITTINGS
HOT-BED SASH.
WE MAKE SKETCHES AND ESTIMATES.

If you are having delay in getting your roof material, send your orders TO US and don't be in trouble. We will handle any order in the time agreed. Try us.

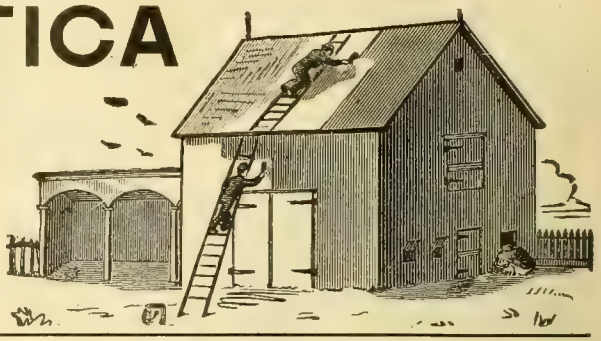
FOLEY MANUFACTURING CO.,
471 West 22nd Street, : : CHICAGO.

Please mention the American Florist when writing.

Weathered Company,
BUILDERS OF
Iron and Cypress Greenhouses, Greenhouse Heating and Ventilating Apparatus.
P. O. Address. Box 789, NEW YORK CITY.
Please mention the American Florist when writing.

EVANS' IMPROVED
CHALLENGE VENTILATING APPARATUS
QUAKER CITY MACHINE WORKS.
RICHMOND, IND.

MASTICA
Trade Mark Registered.
—FOR—
Glazing Greenhouses
Sole Manufacturers
F. O. PIERCE COMPANY
NEW YORK
At All Seed Stores



Greenhouse Material of Louisiana Cypress and GREENHOUSE HARDWARE AND POSTS.

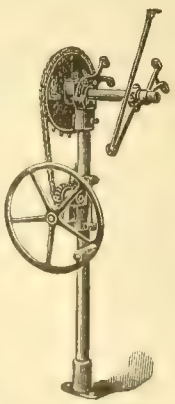
Hot Bed Sash Washington Red Cedar PATENT V AND U GUTTERS.

OUR GRADES INVARIABLY THE BEST. OUR PRICES RIGHT.
Write for Catalogue and Estimate, when figuring on your new houses.
A. DIETSCH CO., 617 Sheffield Ave., CHICAGO.

BEST ENGRAVINGS and ILLUSTRATIONS
—Of Every Description—
FOR CATALOGUES.
SEE OUR WORK IN THIS PAPER. SEND FOR ESTIMATES.
GLOBE ENGRAVING and ELECTROTYPE CO.
407-427 Dearborn St., CHICAGO.

EUREKA GREENHOUSES.
THE BEST AND LOWEST IN PRICE. All houses erected at the factory and shipped to purchasers with blue prints, photographs and plain directions so that any person can put them up.
DILLON GREENHOUSE MFG. CO., Bloomsburg, Pa.

The Advance Ventilating Apparatus

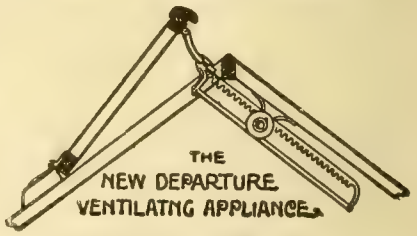


Neatly built goods and excellent service makes friends of our customers and right prices keeps them. Let us tell you more about what we can do for you.

THE ADVANCE CO.
RICHMOND, IND.
Please mention the American Florist when writing.

GET OUR PRICES ON
Galvanized Wire Rose Stakes and Tying Wire.
IGOE BROTHERS,
Manufacturers of the Model Plant Supports for Carnations, Dahlias, Golden Glow, Chrys anthemums and Tomatoes.
63-71 Metropolitan Ave. BROOKLYN, N. Y.

N. TONAWANDA, N. Y. TORONTO, ONT.
KING CONSTRUCTION CO.
GREENHOUSE CONSTRUCTION AND EQUIPMENT
WRITE FOR CATALOGUE AND PRICES



CHEAPEST AND BEST.
If you doubt it try them and be convinced. Send for descriptive price circular.
J. D. Carmody, Evansville, Ind.
Please mention the American Florist when writing.

WABASH EXCURSIONS
FROM CHICAGO.

$14.40	TORONTO and Return. On sale daily.
$20.00	MONTREAL and Return. On sale daily.
$21.00	CONCORD and Return. On sale June 15 to 30, and July 18· Aug. 8 and 22; Sept. 5 and 19.
$22.50	PORTLAND, Me., and Return. Selling dates same as to Concord.
$21.00	RUTLAND, Vt., and Return. Selling dates same as to Concord.

Proportionate rates to many other points in Canada and New England. For complete details as to stop-overs, etc., address F. H. TRISTRAM, Assistant General Passenger Agent. 97 Adams St. CHICAGO.

THE AMERICAN FLORIST

America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXVII. CHICAGO AND NEW YORK, AUGUST 4, 1906. No. 948

THE AMERICAN FLORIST

TWENTY-SECOND YEAR.

Copyright 1906, by American Florist Company. Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

324 Dearborn St., Chicago.

Eastern Office: 1133 Broadway, New York.

Subscription, $1.00 a year. To Europe, $2.00. Subscriptions accepted only from the trade.

Volumes half yearly from August, 1901.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—WM. F. KASTING, Buffalo, N. Y., president; H. M. ALTICK, Dayton, O., vice-president; W. J. STEWART, 11 Hamilton Place, Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. Twenty-second annual meeting at Dayton, O., August, 21-24 1906.

EXHIBITION—A grand national and general exhibition will be held March, 1907, under the auspices of the society.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual convention and exhibition at Chicago, November 6-12, 1906. WM. DUCKHAM, Madison, N. J., president; DAVID FRASER, Penn and Homewood Ave., Pittsburg, Pa., secretary.

AMERICAN ROSE SOCIETY.

Annual meeting and exhibition at Washington, D. C., March 13-15, 1907. ROBT. SIMPSON, Clifton, N. J., president; BENJAMIN HAMMOND, Fishkill-on-Hudson, N. Y., secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention and exhibition at Toronto, Canada, January, 1907. JOHN H. DUNLOP, Toronto, Canada, president; ALBERT M. HERR, Lancaster, Pa., secretary.

THE AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

Annual convention at Toronto, Ont., 1907. BYRON D. WORTHEN, Manchester, N. H., president; F. L. MULFORD, Harrisburg, Pa., secretary.

ASSOCIATION OF AMERICAN CEMETERY SUPERINTENDENTS.

Twentieth annual convention at Detroit, Mich., August 21-23. Headquarters at the Cadillac Hotel. EDW. G. CARTER, Oakwoods Cemetery, Chicago, president; BELLETT LAWSON, Paxtang, Pa., secretary.

AMERICAN PEONY SOCIETY.

Third annual meeting and exhibition at Ithaca, N. Y., 1907. C. W. WARD, Queens, N. Y., president; A. H. FEWKES, Newton Highlands, Mass., secretary.

Contents, page 52.

Index to Advertisers, 72.

Ready Reference Advts., 73.

FLORISTS' PLANT NOTES

For Early August.

BERMUDA LILIES.—Owing to a most unfavorable season a shortage in marketable bulbs of Lilium Harisii is likely to seriously interfere with the well laid plans of lily growers for the coming fall and winter. No time should therefore be lost in placing orders and securing the needed supply. Bermuda lilies intended for early forcing must be potted up this month. Bulbs of the smaller sizes are usually from 10 to 15 days ahead of the large bulbs in coming into bloom. This should be borne in mind, when selecting a grade for very early work. They are planted in 5-inch pots, using a rather heavy soil, enriched and made friable by the admixture of thoroughly decomposed stable manure, this to form about one-fourth of the prepared soil. Of the bulbs nothing but the extreme tip should show above ground after the soil has been settled to a level of about half an inch below the rim of the pot by a good watering. The pots are then placed in frames, covered to the thickness of an inch or two with old, well broken up manure, or with coal-ashes, fresh earth, sand, anything that will aid in holding moisture and as low a temperature about the potted bulbs as is possible to provide at this time of the year. In about a month this covering above the pots should be removed. It will then be found that a good many of the lilies have made a promising start, showing well advanced rudiments of roots and a first beginning in top growth. These should be chosen for the very earliest forcing, taken from the frame to a house, kept at about 60° and here brought into bloom by close attention to watering, spraying and fumigating.

OUTDOOR ROSES.—Provided roses in the field are well taken care of they will now make their finest growth. It is unlikely at this season that rains can be relied upon as furnishing the needed supply of moisture; and watering, therefore, must be resorted to as the prime factor in safely carrying the stock through this, the most critical period of open air rose culture. A good watering, one that reaches the roots, will be sufficient for four or five days in the driest kind of weather and a wetting down of the foliage every night with syringe or hose works wonders in keeping insects in check and the plants bright and healthy. An occasional dusting over and blowing through the foliage of hellebore, tobacco dust or slug-shot will drive away greenfly, slugs, caterpillars and other unwelcome guests or keep them from coming. Mildew on roses is an all-season ailment, so common that many growers have fallen into the error of not minding it very much. But the warfare against fungoid diseases must go on, if good culture otherwise is to result in good roses. Powdered sulphur, fostite, grape dust, any one of these effective remedies, judiciously made use of, is excellent in fighting mildew on outdoor roses. Disease at this season presages future trouble and a spotless, perfect foliage, so desirable in pot grown and forced roses in early spring, cannot be looked for on plants that were overrun with rust, black spot, blight or mildew the previous season while yet in the field. Rambler roses, tea and hybrid perpetual roses are ever ready to contract disease of one kind or another and to carry it with them into the following season. It is little trouble to apply reliable remedies and less to apply them in time.

VINCA MAJOR.—The stock of green, mottled and variegated vinca, so important an item in the filling of boxes and vases every spring, is never too abundant. Now is the time to forestall future scarcity. The young, winter-struck plants, set out in the field in the spring, are now beginning to stretch and the vines are gaining in length and strength. If stock is limited and immediate and rapid increase would seem desirable, recourse must be had to summer propagation by layering. Upright vines, not necessarily the stoutest, are laid down, so that they touch the ground, held in place by pegs or by being covered with soil here and there. These and the

natural runners soon form roots on several joints along their entire length and from these joints vines will be sent up, that will attain quite a length by next fall. These vines together with those from the main plants, if cut up into lengths of two joints, will furnish an abundance of cuttings, all of which will root in the fall and grow into nice 4-inch stock by next spring.

FICUS ELASTICA.—When old rubber trees become misshapen and unsightly, useless for decorative work and worthless as stock in trade, they should be made to yield a lot of new little plants of value, ready to pot off and grow on. This is done by wounding one or more of the joints right below the leafy tops of the branches and then tying a handful of moss firmly around the wounded joints. If this is kept moist it will not be long at this time of the year before the moss is penetrated by white roots. Then the branch just below the moss should be cut nearly half through, and a week or two later the rooted top may be cut away entirely and potted up.

GENISTAS.—Propagated from cuttings, struck in mid-winter or early spring, genistas should now be far enough advanced to require 5-inch pots, and if this is the case, they would now fare better outdoors than in the greenhouse. They do best plunged in spent hotbed manure, their pots covered to the rim. Regularly watered, sprayed and pinched back occasionally, fine bushy plants will be had by the time they must undergo their last shift in October. They want cool quarters during the winter and very little in the way of forcing for spring trade. For some unaccountable reason fewer of these plants are grown now than in former years, and yet their culture is the simplest and easiest imaginable and their value as Easter stock and market plants undisputed.

SHASTA DAISIES.—Never since shasta daisies were first introduced did the flowers sell faster or bring better prices than this spring. This may in great part be due to the fact that growers have been exceptionally successful in working up a fine stock by careful selection from numerous batches of seedlings, raised from year to year. More plants are now also grown of the three new and highly improved varieties sent out by Burbank a few years ago, of which Alaska is probably the best. Shasta daisies are now nearing the end of their first great crop in flowering, and if an increase of good stock by division is contemplated it should be undertaken before the plants start again. If attempted much later than the middle of August the plants will not have time to become well enough established to withstand the vigors of the coming winter.

NEPHROLEPIS.—Practice has fairly well demonstrated that the repeated advice to afford Boston ferns the full and unobstructed light should not be followed to the extent of freely exposing the fast growing plants to the excessive glare of the mid-day summer sun. At this the hottest season and at a time when the development of new and tender foliage is most rapid, a light shading during the brightest hours of an exceedingly hot day is most beneficial. It preserves the freshly verdant coloring of the fern, one of its choicest attributes, and it prevents rapid escape of moisture. When Boston ferns (the old type as well as the newer forms) are to be grown into fine specimens by constant pot culture throughout the summer, it is well to plunge them up to the rim of their pots into tan bark, spent hops or some such material, the presence of which would counteract any overheating of the pots by direct sunshine as also the rapid drying out of the soil. Such plants now need careful attention; they do not want too frequent drenching, nor should they at any time become real dry; they should be turned from time to time, repotted when necessary and afforded all the space required for the attainment of natural spread and graceful form. Ferns so grown need a lot of extra care, but they are worth it, being much superior to the stock raised by open bench culture and potted or made up in the fall. For the rapid increase of stock, however, no other method in point of efficiency and dispatch surpasses the growing of nephrolepis in a bench with three or four inches of crisp sandy soil, giving free play to the rooting of runners.

Hydrangea in Tub Packed for Shipment.

SMALL FERNS.—If anything lends grace, gives finish and pleasing outline to any sort of plant arrangement it is the unstinted use of ferns in its makeup. Florists who are constantly called upon to fill baskets, dishes and fancy receptacles with an assortment of foliage or flowering plants, and those who do much work in this line at the holidays, fully appreciate the value of small ferns, of whatever species they may be. This is a good time of the year to stock up, when seedling ferns, yet in trays, are offered at small cost. These, when received, will be found to be of various varieties and of differing sizes, but usually all of them in fine shape and just right for 2 or 2½-inch pots, the size, which is most serviceable in the work for which they are intended. These ferns will be fine, sturdy, well established plants at the holiday season.

HARDY PERENNIALS.—Where the crowding of densely spread growth in the hardy herbaceous border plainly points out the necessity of thinning, resetting, dividing, and probably the making of an entirely new plantation, the work should be taken in hand now, at least with such species as are beyond their flowering season. There is so little time in the spring for labor of this kind and so much risk if performed in the fall that no better time can be chosen than the month of August. Most of the stock replanted at this time will give little trouble in being started and will be in fine condition by next fall to carry safely through the winter. This is also a good month for the sowing of seeds of such kinds as are usually propagated in that way. Some of these will need a pricking off or transplanting before winter sets in, while others should not be disturbed until spring.

E.

Growing Hydrangeas in Tubs.

A visitor to the nursery establishment of F. R. Pierson Co., at Scarborough-on-Hudson, is attracted by a large number of bushy hydrangeas in tubs seen ranged along one side of the mammoth greenhouse. They are of the Otaksa variety and intended for the demand coming from summer resorts and watering places for lawn and porch decoration. The growing up hydrangeas for this especial purpose has long been a special feature of the Pierson establishment and large quantities are shipped every season, some orders filling a whole railroad car.

The plants are grown from cuttings taken from parent stock about the middle of June. The cuttings are planted in a propagating house, the benches having about four inches of sand in them. In from 25 to 30 days the rooted cuttings are planted in three-inch pots and kept in them for five or six weeks. At the end of this period they are planted in frames about eight inches apart each way and allowed to grow along until fall. When winter approaches boards are laid over the frames, also a good covering of manure, which keeps the frost out.

The frames are uncovered as early as possible in the spring, in fact an airing on warm sunny days at the end of winter does the plants a lot of good. After the plants have got nicely started in growth they are taken from the frames and planted in the field, about two feet apart, where they are allowed to grow along until the middle of September, when they are planted in tubs and hardened off. The plants are then placed in deep frames or pits where they are kept all winter, covered as in the previous winter and being aired whenever the weather is warm enough.

When two years old the tubbed plants will average from 12 to 14 flowers to a tub. In the picture showing the plants ranged along the large greenhouse the plants are three years old. The plants seen in the picture around the pit frame are growing along in their third year. The plants, in season, may be shipped anywhere safely by freight.

F. R. PIERSON CO.'S ESTABLISHMENT, SCARBORO, N. Y.
Two-year old hydrangeas and pit in which they wintered.

Mexican Floriculture.

We are indebted to A. J. Pieters, of the Department of Agriculture, for the following extracts from a letter he received from a valued correspondent in Mexico, showing the conditions of floriculture in that country. Mr. Pieters advises us, however, that the locality to which reference is made is not near the capital.

"It will give you an idea of the chance I have of making a living out of floriculture here if I tell you of a very characteristic experience I had today. The swellest confectionery and ice cream store here gives to-night one of its regular tri-weekly evening concerts and sent a boy to me this afternoon for 'flowers to be presented to the ladies at the concert,' without specifying the quantity or saying how much they wished to pay. This is a copy of my bill, sent with the flowers:

12 doz. carnations	$0.36
7 doz. carnations	.07
22 La France roses	.11
30 Choicest roses, ass't'd	.12
20 Standard fine roses, ass't'd	.06
	$0.72

"It is true that there were only five first class flowers among the carnations, but the La France roses were superb, and among the '30 choicest' were fine buds of Kaiserin, Pierre Notting, Antoine Rivoire, Cochet, Testout, Sunrise, Etoide de Lyon, Prince of Bulgaria, Carnot, and Golden Gate, and I think I was right in being disgusted when the boy brought me the money and a polite intimation from the house that my charges seemed a little high. I venture to say that the lot I sold for 72 cents silver, would bring $15 gold, readily in any of the northern cities.

"I can cut daily about 1,500 rose buds, mostly La Reine, at times equal to American Beauty, but all I can get for them in the market is 8 cents per 100, and as the delivery baskets carry only 350 to 400 buds, representing 28 to 32 cents value, it really isn't worth the trouble to market them, as the cost of cutting and delivering a basketful is about 13 cents, leaving but 15 to 19 cents for me, or say 75 cents if I sold all the 1,500. At this season one sees sitting along the edge of the sidewalk near the market a string of Indians offering two bunches of roses containing five flowers each for 1 cent, and on Sunday, I saw one criminal selling the old fashioned Scotch pinks in bunches of about 15 flowers at one cent also.

"It makes me envious to read of the prices paid for flowers in the United States, especially for violets which I sell during the season at $1 per kilogram of some 3,000 flowers, of which I pay 50 cents for the picking, while I occasionally find in my copy of the New York Sun a note about violets selling for perhaps $2.50 gold per 100. At that rate my 4,000 flowers per day would bring $100 gold, while I get here $1.33 silver, when I sell all the flowers ready for picking, but I never manage to sell an average of two-fifths of them.

"It is about the same with every other sort of flower, the most valuable being the Easter lily (blooming here in May) which sometimes sells for 3 cents per flower on the streets, though more commonly for 1 cent per flower. Tuberoses bring 1½ to 2 cents per stalk, gladiolus, 2 cents per stalk (except the common red, which sells for ½ cent) chrysanthemums 3 to 5 cents per dozen, cactus dahlias 5 cents per dozen (and very hard to get that much) and so on ad nauseam.

"The orchids for which the New Yorkers pay from $1 to $5 gold per spray, sell here for three sprays for 1 cent, so what can one expect with other flowers? As an experiment I yesterday made up two bunches of six of my choicest roses each and told the woman to whom I delivered them to sell them for the best price obtainable, and she managed to get 2 cents for one bunch and 3 cents for the other. In the evening I plodded through clouds of dust for six blocks to the Chinese railway beanery for supper and during the meal read in the Sun about a convention of New York florists, every single delegate to which showed up in overcoats lined with genuine Russian sable. After the convention I assume that they adjourned to Sherry's and filled up on broiled lobster with drawn butter with an accompaniment of sparkling Burgundy, that being my idea of the best use to which a multi-millionaire can put his surplus cash.

"The fact is, as I need scarcely say, that I have got to quit. Of course expenses here do not compare with those north, but at best my labor is three men and one woman, area cultivated 3¼ acres $1.95 per day, my board 90 cents, and the total of light, wash, street cars, club, newspaper, etc., etc., is at least $1.25 per day. An aggregate of at least $4.10 per day. As my rent is one-half of the gross receipts I would have to sell more than 10,000 La Reine rosebuds every day to keep even. I would not grumble if I were taking it easy and letting some one else attend to my business, but the fact is that I begin work, hard physical work, at 6 a. m. and keep it up without intermission until 6:15 p. m., and almost every night spend an hour or two transplanting, propagating, and potting.

"Work in the garden at this season

F. R. PIERSON CO.'S ESTABLISHMENT, SCARBORO, N. Y.
Hydrangeas in their second year planted in the field.

isn't fattening, either, for my chemical thermometer laid on the ground in full sun showed at 11:15 this morning, 79½° Centigrade, the boiling point of water here is about 92½°C. I have about unburdened myself and it is only fair to state that the great difficulty for me was caused by the unusually favorable season and the resulting oversupply of roses, for the usual price paid for the common sorts has been from 75 cents to $1 per 100 instead of the 8 cents now current. At the same time I must confess that the people here are notorious all over civilized Mexico for their stinginess, and I'll certify to their utter want of good taste in the rose line.

"They'll rave of the poor weakling Sunrise and admire the Prince of Bulgaria but secretly they prefer a big 'Rosa Fe Blanca' (Lamarque). American Beauty and Paul Neyron are not wanted because they 'look just like a Reina.' As a fact, a well developed Le Reine blossom is splendid, and when an American woman here gets a chance to wander through a rose garden and cut what she likes the chances are ten to one that she will cut little except this variety, to the open-mouthed astonishment of the 'gente.' There is one flower that our people will pay for. A good Camellia alba plena imbricata will usually fetch $1 to $1.50, but only from men in love."

F. R. PIERSON CO.'S ESTABLISHMENT SCARBORO, N. Y.

Three-year old hydrangeas coming into bloom.

Floriculture at the Illinois State Fair.

As superintendent of the department of floriculture at the Illinois state fair, I would request that on behalf of your subscribers, who may be interested, that you would mention in the next issue of your paper, that the Illinois State Board of Agriculture, is anxious to see a nice display of floriculture at the next state fair, to be held from September 28 to October 5, and that the board has allowed me an appropriation of $1,500 for premiums.

I have revised the premium list of my department, with size of exhibit as well as the amount of premiums, to a point where florists should be interested. There will be nearly $1,500 in premiums given this fall in this department, and I would like to make the department a success.

If I should succeed in getting florists to take an interest in making a nice display at the state fair next fall, and also the year following, I believe I could get an appropriation from our board, for a special building on our fair grounds for floriculture, and also a larger appropriations for premiums.

It now lies with the florists of the state to see that the matter is a success, and I am sure that your subscribers as well as the Illinois State Board of Agriculture would appreciate the publication of the substance of this statement in your paper. R. O'DWYER.

SOUTH BEND, IND.—The South Bend Floral Co. held an annual stockholders' meeting July 14 at its offices, 804 E. Dubail avenue. Clem W. Studebaker was elected president, Wm. Studebaker, secretary, and Irving W. Gingrich, treasurer and manager. Special attention will be given gladioli.

WITH THE GROWERS

Arnold Schmidt & Son, Nashville, Tenn.

One of the most enterprising florists around this city is Arnold Schmidt, who for several years has conducted a market garden in connection with his flower growing. He has lately associated his son in business with him and he now uses the business firm name of Arnold Schmidt & Son. They have five acres in the little suburban village of Waverly, which has recently come into the corporate limits of the city.

They have 15,000 feet of glass and are very successful in growing carnations, chrysanthemums, Easter lilies and violets. They make a specialty of spring bedding plants and were so fortunate this year as to dispose of their entire supply. They have violets through the entire winter season and like other florists in this vicinity grow them in cold frames. They have no uptown store but use a stall in the market house for the sale of both their flowers and vegetables. They have been very successful in having greenhouse grown cucumbers, which coming in at a season when they command a fancy price is quite a profitable source of revenue.

One of the most interesting things about their establishment is the system of irrigation which insures fine flowers and vegetables. The entire five acres is equipped with Skinner's irrigation system, which they have found very satisfactory. They have lettuce the year around, also tomatoes, cabbage, radishes, pepper and other vegetables. They make no floral designs but sell quantities of cut flowers. M. C. D.

Anton Schultheis, College Point, L. I., N. Y.

At few establishments in the country is the policy of looking ahead, determining early what to do, and doing it, so completely demonstrated as at the establishment of Anton Schultheis.

AT ANTON SCHULTHEIS' ESTABLISHMENT, COLLEGE POINT, N. Y.

House of chrysanthemums, standards and bushes; front section of middle bench shows plants pinched for the last time.

AT ANTON SCHULTHEIS' ESTABLISHMENT, COLLEGE POINT, N. Y.
House of Pandanus Veitchii.

The 37 greenhouses in the plant are all in service, and are factors in the production of a miscellaneous stock which is very extensive. Three houses are utilized for chrysanthemums, which here are grown in pots exclusively, both in standard and bush form. Most of the early varieties have already been pinched for the last time. Among the early varieties grown are Glory of Pacific, Polly Rose, Lager and L. Jones White, a superb white variety originating in the establishment. Other varieties to be seen are Robert Halliday, Col. Appleton. Mrs. Robinson, F. A. Balfour, Golden Wonder, Nonin, W. H. Lincoln, Miss Carrington, Jerome Jones, Dr. Galloway, American Beauty, Mutual Friend, Major Bonaffon, White Bonaffon, Timothy Eaton, Mrs. Wicks, Mrs. Coombs, Mrs. Perrin, Nellie Pockett, Mme. Leger, Mrs. Buehls, Black Hawk, Brutus, and Gretchen Buettner, a very fine white. The pompon varieties include Baby, Tennessee, Jac Bon, Dinzulu, Dundee, Edna, Rhoda, and Dawn.

Another house is filled with araucarias and Scottii ferns, the latter nice shapely plants in 7-inch pots and well grown. In a house of kentias, all sizes, in excellent shape, also are to be seen rows of cattleyas suspended from the rafters. Some grand cattleya blooms have been sent into the market from this house during the season. Another house is filled with araucarias and Boston ferns, and yet another entirely with Boston ferns, in about all commercial sizes, compact and shapely plants. Begonia Gloire de Lorraine fills another house and the plants are in splendid condition, perfect in color and form, and should be in tip-top shape by Christmas. Daisies and ardisias are coming along together in another house. The ardisias are well berried and shapely.

Two houses have just been equipped with a low pressure steam heating system. Under this system steam can be raised in 17 minutes, and in 30 minutes seven pounds of steam is produced, sufficient to give a required temperature under any conditions. These houses are utilized for orchids and dracænas. The orchid house is now in course of arrangement, with about half of its complement of plants on the tiers. The dracæna is full of fine stock, principally D. terminalis, which is carried on a cinder bench and not plunged as elsewhere. Two narrow lean-to houses, 160 feet long, are used for growing lily of the valley. The stock from these houses was among the finest coming to the New York market this season, the sprays bearing extra large bells and unusually long in stem. About 450,000 sprays are cut here within a year.

is a house of Cycas revoluta containing specimens in all sizes and of rare quality. Asparagus plumosus with English ivy fills another house. Asparagus deflexus is being tried out here. It is similar to A. Sprengeri but much more delicate. A. robustus is another new asparagus, similar to A. plumosus, but exceedingly velvety in appearance, smaller and more compact. A house is devoted to cypripediums and the plants are already showing buds.

Two Weathered houses, built last year, each 28 x 100 feet, are prime objects of interest to visitors. These houses are divided in halves so that the sections may be kept cool or warm as desired to suit the stock. Half of one house is utilized for gardenias, and the benches appear to be in excellent condition for the crop to come. The other half is filled with Cibotium Scheidei and miscellaneous stock. Half of the other house is used for livistonas and specimen pandanus. The other half of the house is filled with Pandanus Veitchii, some grand clean stock in several sizes. A house of fern balls is quite a sight at this time, and a house of aspidistra, and asparagus in pots is ready for the demand for these plants, which is quite staple in this section.

The acreage around the greenhouses is entirely taken up with a variety of stock planted out and cold frames. Ericas are grown here in quantities, one patch containing over 2,000 plants mostly E. fragrans. E. translucens is also largely grown. The dahlia Countess of Lonsdale is now in bloom, and is quite conspicuous. Other things seen in the grounds are azaleas, growing along under a roof of sash with slat frames; genistas, acacias. Dracæna indivisa, Jerusalem cherries, roses, Manetti stock,

AT ANTON SCHULTHEIS' ESTABLISHMENT, COLLEGE POINT, N. Y.
House of dracaenas. D. terminalis on front main bench.

A rather uncommon sight in this section is a house of anthericum, but it may be seen here just now in perfection. Another house contains specimen ferns in two or three varieties, with a bench of Nephrolepis Whitmanii, which appears to be in grand commercial shape although rather small in size yet. There

boxwood plants potted and plunged, and a good stock of bay trees. Oranges and lemons are being brought along in frames. A fine lot of oranges are seen. Single shoots, when planted about two months ago, they are now vigorous bushy plants, some of them with fruit well set.

Other frames are filled with cyclamens and Primula obconica, all well protected from sun and weather but open to the air. Mr. Schultheis believes in having all his working material under cover, consequently both manure and compost are sheltered from the weather. All the flower pots are sorted and kept in five sheds, under one man's particular care. There is a small house for leaf mold, and another for moss, boxes and flats of all kinds. A new packing shed, 45 x 66, is now in course of erection and will be a continuation of the wagon and bulb shed which nas proved too small for use as a packing house.

Not the least interesting feature of the establishment is the greenhouse plant of the junior Schultheises. Mr. Schultheis has seven sons, the eldest something over 16 years old, and the youngest just old enough to be working partner in the firm of Schultheis Bros., which includes all the brothers and operates four small greenhouses which they have built and paid for out of the profits made in the business which is their own. They grow carnations and a variety of other flowers and market them in a businesslike way, and take a delight in their business. And their energy and thrift is no less a delight to their father, who sees in the boys the successors to his own large business.

Dayton Convention Notes.

The officers of the Dayton Florists' Club met July 27 at the exhibition grounds, in company with all concessionists, to make final contracts for lighting the grounds, surrounding the buildings, laid out for this occasion. Everybody was astonished to see how things show up. All were unanimous in their praise of Mr. Freudenberger and Henry Hassey. Both of these gentlemen enjoy in this section of the country the very best reputation, one as a landscape gardener the other as a decorater, but what we beheld left our expectations far, far behind. The beautifying of the grounds is chiefly due to the untiring efforts of Mr. Freudenberger. These unassuming young men, having in charge about 800 acres of park land, besides making one new park of 1,200 acres and another of 400 acres, have spent every spare moment in the most unselfish way for the benefit of the craft and this association.

A thousand thanks to John H. Patterson, of the National Cash Register Co., for his generosity in turning over to Mr. Freudenberger his men, teams, tools, and materials free of charge to beautify the outdoor surroundings. This name, of John H. Patterson, should be written in gilded letters at every convention henceforth of the national society. It is through his untiring efforts that the city of Dayton is in landscaping what it is to-day. There are no more slums; there are no more tenements. This, verily, is a city of homes, as it is commonly termed, through the untiring efforts of John H. Patterson in making the people love all that is great and good in nature, surrounding their homes with beautiful flowers, shrubs, and trees. Where will you find another man that will ask his most humble neighbor, "Please fix up your property," and if the poverty racket is brought forth ask this very man to give him permission to fix up his property at his own expense and tell him to come to get his seeds and shrubs to improve his property? However, I do not want to say too much; visitors at the convention will judge for themselves.

At one of the last meetings of the club changes were made on the committee of interior decoration and Mr. Freudenberger was chosen unanimously as chairman of the same. The entire club was glad to discover a hidden talent and all were anxious to give him full swing to exercise his taste and ability to the very best of his knowledge.

People are waking up now to the beauty of perennial stock and it is with regret that we say that the contemplated outdoor exhibit did not show up as well as was anticipated. A large lot of ground was prepared for such an exhibit, but exhibitors stayed out, and finally the club passed a resolution to fill up the empty exhibition spaces. The smallest and most humble brought whatever he had, and Mr. Freudenberger took it unto himself to plant out these empty spaces intended for exhibitors originally, with the material that was forthcoming from the members of the club, as ornamentally as he could. And when you come, ladies and gentlemen, you will see that his efforts were not in vain.

As I said before, people are waking up to the value of perennials. Now, you gentlemen that neglected to make an outdoor exhibit send some material for indoors. It will be well protected. If you can't send the plants send cut flowers. It will open up new avenues of trade and will be quite instructive to a great many members who are not well versed as to the beauty and value of perennials.

Here is another pointer for you gentlemen of the horticultural building trades. Contracts will be let out this fall by one large concern alone for a $20,000 conservatory. The eyes of this firm are contered on this convention. Now, gentlemen, be alive to the situation and be in the swim.

As I stated before, the Dayton Florists' Club will offer a few prizes for the best plans for landscaping gardening. Now, you enterprising landscape architects, take a few hundred feet of exhibition space and show plans of parks that ought to be constructed now, even unfinished. Make the trade familiar with what you are doing and don't put your light under a bushel. We have to introduce novel features in every convention and this will be one most beneficial to all the trade. Come forward, if it is only a few pencil sketches, and instruct the members of this association what can be done with a small amount of money to make even the most humble home a thing of beauty. Show them what you are doing to elevate citizenship and make better men and women of us all.

It is only three weeks more until this convention will start. Things are in tip-top shape, peace and harmony reign all the way around, and the twenty-second convention promises to be the largest in the society's history as far as exhibition, lectures, entertainments, etc., are concerned.

The exhibition probably will be the largest in the history of the society. This is chiefly due to the untiring efforts of the superintendent of exhibits to gain this end. The country has shown up well in exhibits, as well as in advertisements.

We cannot more than urge all to come prepared to treat exhibitors and advertisers liberally. Come prepared, gentlemen, to buy at least part of some man's exhibit. It is a tremendous task and a very great expense these gentlemen to go to make a display at our convention. It is the solemn duty of everybody to draw the channels of trade during this convention to the exhibitors and advertisers.

Glaring banners will stare you in the face that will inform you of the leaders in the parade. A large bulletin board will be put up in the office, where you may leave your name and time of appointment to the one you desire to meet and have not known. If you have a greenhouse to build, if you have to figure on fittings or pipes, if you have to buy glass, paint or putty, if you do not see the exhibits you will see the banners of the representative firms floating in the exhibition hall.

If you have steamboat orders to send out of New York harbor, a gigantic sign will inform you of the name of the party. If you do not know them, leave

AT ANTON SCHULTHEIS' ESTABLISHMENT, COLLEGE POINT, N. Y.

House built for the young Schultheis' and run by them at a profit.

your name and address at the office and the required gentlemen will be pleased to meet you. All your supply orders, plant and import orders,—save them for the convention. You will meet all representatives and every one of them is worthy of your patronage.

President Heiss of the Florists' Club, has been in New York for one week, because there was a wrong impression abroad that this convention was more or less a western affair. Mr. Heiss was well received by the craft, was aided liberally in the undertaking of this convention, and the New York merchants grasped the opportunity at a moment and saw the advantage of exhibiting and advertising during this convention. Mr. Heiss would like to extend his personal thanks for their liberal contributions, to advertisers and exhibitors and for the cordial treatment he received from all the New York trade.

It would be desirable if some of the large leading firms would put up some large electric signs, which can be furnished by the club in 10-inch letters at $5 a letter burning for four nights, these to be placed in the outside grounds. Some other firms ought to come forward and do like the enterprising New York brethren, who have put signs and banners pertaining to their firm and business in the Exhibition hall. Such signs can be furnished, 5x15 feet, for $15.00; larger in proportion.

To wind up, there is no question but that this will be the largest and best convention in the history of the national society. The Dayton Florists' Club is straining every nerve to the best of their ability to make the whole affair a grand success. The way it looks now it may be that some of the entertainments will have to be cut out on account of a lack of time. However, such will be decided later and announced.

J. B. HEISS.

MINNEAPOLIS, MINN.—A building permit has been issued to the University of Minnesota for the erection of a greenhouse at University and Thirteenth avenues, at a cost of $9,500.

PEOPLE WE KNOW.

John F. Huss.

A short sketch of the life and career of John F. Huss, who was recently elected for the third time president of the Hartford, Conn., Florists' Club, will be of interest.

AT ANTON SCHULTHEIS' ESTABLISHMENT, COLLEGE POINT, N. Y.
House of livistonas

Mr. Huss is a native of Bern, Switzerland, and is today a striking example of the all around plantsman who has lived the strenuous life and established an honored name in his profession. He began his career with a three years' course in the horticultural college of his native canton, on the completion of which he served a regular apprenticeship with the then prominent plantsman R. Batschi, of Bern. He then moved to Vevey, and served a year with Louis Planc, whose establishment was noted for its splendid collection of azaleas and camellias, in addition to its extensive nurseries and general greenhouse stock.

Mr. Huss then proceeded to Paris to fill a position in the forcing establishment of Henri Voight, at Bourg-la-Reine, where the specialties were fruits and violets for the Paris market. It is worthy of note that Voight's plant adjoined the well known nurseries of Jules Margottin, whose name still figures prominently in all rose catalogues. He next served two years in the parks department of Paris, under Barrillier, famous for his skill in park architecture. On leaving here he took a position with Leon Prevost, a Parisian landscape gardener, who was widely known for his French system of gardening, with whom he served 2 years. He was then appointed greenhouse foreman at the historic Chateau des Ombrages a la Port Buque, Versailles, owned by the aristocratic André family. Mr. Huss was here during the epoch making years, 1870-71, and when in a reminiscent mood can recount stirring tales of the Franco-Prussian war and the terrible time of the commune. It was at this famous chateau that the crown prince of Prussia had his headquarters during the war, and his staff and 300 soldiers were billeted on the property. Mr. Huss feelingly recalls how he had to put his men to work to empty their splendid plant house 60x100 feet to make sleeping quarters for the prince's bodyguard. Mr. Huss also tells with exceeding good grace that during this decidedly strenuous time it was part of his duty to decorate the dining rooms and parlors occupied by the prince and his staff. To show how efficiently Mr. Huss performed his duties, under the most trying conditions, he was presented, just before the evacuation, with $500 in gold, and was offered a position in the imperial gardens at Potsdam. This offer he declined, however, and shortly afterward he proceeded to London, England, where he promptly found a position in the establishment of John Fraser, at Walthamstow, and was placed in charge of the new foliage plants and ferns.

After a short stay there he secured

AT ANTON SCHULTHEIS' ESTABLISHMENT, COLLEGE POINT, N. Y.
House of gardenias.

John F. Huss.

a position with the firm of Hugh Low, Upper Clapton, London, as foreman of the department of stove plants and exotic ferns. Mr. Huss held this position for 3½ years, and then decided to set out for the United States. Arriving in Philadelphia early in 1875, he secured his first position in this country with John Dick, of Philadelphia. He was shortly thereafter appointed propagator to S. Parsons & Co., Flushing, L. I., N. Y., where he remained until 1877. He then returned to Philadelphia as foreman and propagator with the firm of Robert Buist.

In 1880, Mr. Huss took the position of superintendent of landscape work with the firm of Calvert Vaux, Parsons, Jr., & Redford, New York, and had charge of large operations in New York, Newport, R. I., Lenox, Mass., and various other parts of the country. In 1885, he was appointed general foreman of construction in the new city parks, New York. Here, with an army of men, he conducted operations in all the new park properties which had then been acquired by New York city, including Van Cortland, Pelham, Tremont, Bronx, Crotona, Riverside and Morningside, and finally had charge of the new work and planting in Central park.

Mr. Huss went to Lenox, Mass., in 1890, as superintendent on the country estate of Mrs. Morgan. He remained there 8 years, when, on the death of Mrs. Morgan, he decided to return to Switzerland, and there make his permanent abode. However, even the glory of alpine scenery soon became irksome and monotonous, and he felt impelled to return to the United States and to active life. Before leaving Switzerland in 1900 Mr. Huss was offered, and accepted, the position of superintendent on the beautiful estate of J. J. Goodwin, Hartford, Conn. During the five years he has been connected with this place Mr. Huss has, to a large extent, transformed it and has given it a proud position among the show places of New England. A fine modern range of glass has been erected and splendid collections of roses, hardy herbaceous plants and rare ferns have been skilfully laid out. Here, too, is established one of the finest alpine gardens in the country.

Mr. Huss is a prominent figure in various fraternal orders, and is a 33d degree Mason. Socially he is noted for the staunch sincerity of his friendship, for his kindly, genial disposition, for his warm hospitality as a host, and for his prompt readiness to give real assistance to every worthy cause.

ALEX CUMMING.

Otto Abele.

Otto Abele, president of the New Orleans Horticultural Society, was born in Gundelsheim, Germany, 33 years ago, and came to this country when but a boy. Soon his great love for plants and flowers was apparent, and induced him later on to become a florist. Having served in several establishments he started while still very young in business for himself as landscape gardener and grower of pot plants. Strict devotion to his chosen trade, together with fair business methods, assured him success from the start. In 1894 he formed a partnership with his brother Paul under the firm name of Abele Bros., one of the enterprising young establishments of the Crescent city. Otto Abele is also a very active member of the German Gardeners' Club, the oldest German singing society and several other organizations.

CRESCENT.

The Late E. D. Clark.

See obituary.

LONDON, ENG.—H. B. May, of the well known Dyson's Lane Nurseries, Upper Edmonton, has taken into partnership his two sons, Robert H. and Herbert J. May.

LEOMINSTER, MASS.—Geo. M. Kendall in setting out 10,000 young plants for his fall tomato crop encountered a temperature in his big greenhouse of 152°. Six thermometers graduated to 150° burst.

OBITUARY.

Peter H. Murphy.

Peter H. Murphy, one of the oldest florists of Springfield, O., died at his home in North Limestone street at 4 o'clock, July 23. He had been in ill health for some time, but was critically ill only about two hours prior to his death. Mr. Murphy was about 80 years of age. He had been engaged in the business of growing flowers for the past 30 years, and was widely known among a large circle of friends. He is survived by his wife, there being no children. Burial took place in Ferncliff cemetery July 25.

Edward D. Clark.

Edward D. Clark, proprietor of Clark's Rose Houses, passed away July 26, at his home in Providence, R. I. Mr. 54 years ago, coming to Providence as a boy of 19 to serve as a gunsmith and toolmaker with the Providence Tool Co., where his uncle was instrumental in placing him. His love of growing flowers had a strong hold upon him in those early years and it was not long before he had a small experimental greenhouse on lower Wickenden street, although this obtained only his spare time from the regular occupation as gunsmith. About 30 years ago he built his first 100-footer on the corner of Tockwotton and East streets, which was uniquely situated on a steep bank hanging over the Old Colony tracks. This was increased and the range of rose houses rebuilt from time to time, Mr. Clark being a rosarian of the old school and preserving that especial flower as his life favorite. Being among the east side residents his business mostly came from that quarter of the very rich and educated people of the city, whose demand was for American Beauty, La France, and hybrid roses. Catering to this class of trade seemed to actuate Mr. Clark with the keenest desires to excel and his list of customers included university scholars nearby who

Otto Abele.

President New Orleans Horticultural Society

marveled at the man and his painstaking devotion to his work in detail. Mr. Clark was a great lover of Caroline Testout and it has always been thought by local florists that he was the first to grow it in New England if not the country. His memory will always be associated with that rose, although he was a pioneer American Beauty grower and sent many retail orders to all nearby points for several years before that rose was generally grown in this section. Two active sons succeed to the business.

M. M.

AUTOMOBILE RIDE OF HORTICULTURISTS GIVEN BY OMAHA FLORISTS' CLUB.

Mrs. Christina Maitre.

In the death of Mrs. Christina Maitre, July 27, there passed away one of the most remarkable women in the city, says the New Orleans Picayune. Mrs. Maitre had been in the florist business in this city with her husband since 1857, and was the first woman to engage in the business here. She was probably better known among the people interested in that line of business and among the German people and citizens generally than almost any woman in the city.

She was the wife of the late Reinhard Maitre and was a Miss Rehm. She was born in Bavaria and was 64 years and 6 months old at the time of her death. When she came to New Orleans with her family she was but 2 years old. Mr. Maitre was at first gardener for Jas. Robb, a weathy business man, and afterwards for Burnside at the place where the H. Sophie Newcomb college stands. They had a garden at Magazine and Foucher streets, and afterwards the business was run by Maitre & Cook, the latter being Mathew Cook, the Carrollton florist. Mrs. Maitre and her husband moved to Carrollton in 1884, and lived on St. Charles avenue until recently. Mr. Maitre retired from business in 1893, and died in April, 1896.

The Maitres had a store on old Camp street years ago, then moved to 602 Mazagine, and later built the place now occupied by the Lafayette Insurance Co., between Jackson and Josephine. Then they moved to a building on Camp street, near Canal, where the Morris building now stands, and after several years went to the Pickwick building, where they were at the time they retired from business.

The only one of the original family left is Mrs. Cook, though Mrs. Maitre leaves several nephews and nieces.

Alexander Emslie.

Alexander Emslie, the florist of Barre, Vt., died July 25 after a long illness with consumption. He was taken sick a year ago last June and since that time has been able to do little work. His twin brother with whom he was associated in the greenhouse business died less than a year ago.

Mr. Emslie was born in Aberdeen, Scotland, 38 years ago, coming to this country when a young man. About six years ago, with his brother, he went into the greenhouse business building houses on the road from Montpelier to Barre. His business increased rapidly and he was obliged to build additions from time to time. Three years ago last July he purchased the greenhouse in Montpelier owned by Ernest Jacobsen, who had worked up a large and extensive business here. About two years ago Mr. Emslie went into partnership with Alexander Broadfoot and new houses were built and the business increased with rapid strides. Within the past month Mr. Broadfoot acquired Mr. Emslie's interest in the business and is now the sole proprietor.

He was a member of Clan Gordon, No. 12, O. S. C., was an Odd Fellow and a Mason. He leaves a wife and two children, two brothers, George and William, who will conduct the Barre greenhouse, and some other brothers and sisters in Scotland.

The funeral was held at his late home on July 27.

Omaha.

Hot weather's dull business has set in. Roses are plentiful and of good quality for this time of the year. Carnations are poor and scarce as most of the dealers are replacing them now with new stock. Asters are showing up and are a much looked for flower. Gladioli are at their best as are all kinds of outdoor blooms.

The Nebraska Horticultural Society held its summer meeting here July 11 and 12 in one of our city parks. It was one of the best attended meetings ever held. The meeting was opened by Rev. T. J. Mackay, address of welcome by Mayor Dahlman, greeting by J. Y. Craig, president of the city parks board, and response by J. J. Hess, president of the Florists' Club. Very interesting papers were read and discussed on ornamental horticulture and floriculture. W. R. Adams, superintendent of our city parks, read a paper on "Shrubbery;" M. Stauch, of Council Bluffs, Ia., on "How to Grow Roses;" C. Frey, of Lincoln, on "Carnations," and J. Bath, of this city, on "How to Handle Cut Flowers." The florists gave an automobile ride to the horticulturists July 12 through the parks and boulevards and landed at P. B. Floth's new residence for a well arranged lunch, the climax of the day.

J. J. Hess and wife have returned from their Colodaro trip. GRIPPE.

PASCOAG, R. I.—Amos F. Darling is adding a large greenhouse to his already extensive plant.

WASHINGTON, D. C.—W. F. Gude expects to leave for Red Mountain, Col., August 11, but will return in time for the Dayton convention.

HORTICULTURISTS AT OMAHA.

WHOLESALE AND RETAIL BASEBALL TEAMS OF THE ST. LOUIS FLORISTS' CLUB.

Our Pastimes

Announcements of coming contests or other events of interest to our bowling, shooting and sporting readers are solicited and will be given place in this column.

Address all correspondence for this department to J. H. Pepper, 1133 Broadway, New York; Robt. Kift, 1725 Chestnut St., Philadelphia; or to the American Florist Co., Chicago.

At Chicago.

The second round of the try-out games was rolled July 31 with increased attendance and enthusiasm. In the men's games Wilson rolled an extra game on account of one missed July 24. Only two nights remain to qualify, August 7 and 14, Bensinger's alleys, Monroe street, at 8 p. m.

Player.	1st.	2nd.	3rd.	4th.	5th.
Asmus	198	159	163	171	...
Hauswirth	141	141	150	132	...
Wilson	143	141	131	180	139
Bergman	152	125	190	159	...
Stollery	159	146	169	160	...
Stevens	160	180	210	144	...
Kreitling	148	202	176	147	...
Pasternick	188	138	126	170	...
Scott	160	162	150	162	...
Klunder	165	125	137	139	...

The scores of the ladies were as follows:

Player.	1st.	2nd.	3rd.
Mrs. Kreitling	131	101	109
Mrs. Asmus	81	113	79
Mrs. Winterson	61	74	79
Mrs. Scott	94	129	83
Mrs. Hauswirth	82	86	98
Mrs. Klunder	74	61	64
Mrs. Stollery	48	70	83
Miss Moore	116	143	114

At St. Louis.

The picnic held at Romana park, July 26, was the best and largest ever given by the Florists' Club. Interest among the wholesalers especially kept the retailers busy and both alike worked like beavers for its success. Especially hard did Frank Weber work to get up the entries for the various games. Shortly after 10 o'clock the florists began to arrive, among the earliest arrivals being F. C. Weber, Theo. Miller, Chas. Beyer, Frank Fillmore and their families. About 1 o'clock a heavy thunder storm broke out and threatened to keep down the afternoon attendance, but after an hour's downfall the sun came out and everyone was happy. The florists by 2 o'clock were out in full force. The presence of outside florists helped naturally to make things hum. Among the visitors were: Jas. S. Wilson, from Vaughan's Greenhouses, at Western Springs, Ill.; H. E. Philpott, Winnipeg, vice-president of the S. A. F. for the Manitoba district; C. De Wever, Clayton, Mo.; B. Escherer, with Rice & Co., Philadelphia; J. L. Ammann, Edwardsville, Ill.; E. W. Guy, Belleville, Ill.; Adolph Fehr, of Belleville, Ill. Music, dancing and boating was indulged in by the old as well as the young members.

Dash, one hundred yards, 12 entries; prize, silk umbrella. Won by A. Hartmann, Kirkwood, Mo.

Hop, step and jump, 11 entries, distance 36 feet; prize, gold tie pin. Won by Fred Alves.

Running broad jump, 13 entries, distance 15½ feet; prize, gold cuff buttons. Won by Fred Alves.

Ladies' race, single; prize, fan. Won by Miss Eugenia Reeb.

Egg and spoon race, married ladies, 17 entries; prize, bracelet. Won by Mrs. Beyer.

Girls under 16, 6 entries; prize, brooch. Won by Miss Alice Jablonsley.

Boys' race, 12 to 14; prize, base ball and bat. Won by Otto Bentzen.

Fat man's race, 200 lbs. or over, three entries; prize, beer mug. Won by Chas Beyer.

Potato race, boys and girls, 11 entries; prize, box of candy. Won by Adolph Steidle and Miss Dora Miller.

Tug of war; prize, box of cigars; two teams, six each, captained by C. Beyer and J. J. Beneke. Won by C. Beyer's team.

Sack race, boys 14 to 18; three entries; prize, combination fishing pole. Won by Lewis Vogel.

Old man's race, six entries; prize, box of cigars. Won by J. J. Beneke.

The base ball game between the wholesalers and the retailers was the feature of the day's sport. The batters for the wholesalers were: Geo. Schriefer, pitcher; Fred Alves, catcher. Retailers: J. J. Beneke, pitcher; Herman Weber, catcher. The game was 5 innings and the score was 10 to 2 in favor of the wholesalers. E. W. Guy and Fred Ammann acted as umpires.

At Philadelphia.

The gentlemen of this city who take an interest in the jolly game of bowls, as W. R. Smith, of Washington, is wont to call it, are having their usual strenuous time splitting the air or the pins in endeavor to make the team that is to have the honor of representing this city at the convention tournament in Dayton. Nine games in a series of three matches have been rolled, one on the home alleys and two on public or strange alleys. Two more matches of three games each, one on a public and the last on the club alleys, wind up the series and the first six players counting averages of all games bowled will comprise the team and substitute. The following are the averages of the nine games played:

Player.	Average.
Connor	169
Robertson	168
Adelberger	165
Falck	164
Graham	162
Dunlap	160
Batchelor	151
Kift	150
Harris	138
Westcott	138

The first six have an average of 164, which is not so bad.

BURTON VERSUS THORN HEDGE.

Teams of baseball players selected from the employes of the Burton and Battles nurseries engaged in a social game at Thorn Hedge on Saturday last. As an exhibition of good amateur ball playing it was all that could be desired, it being nip and tuck from start to finish with an extra inning thrown in, as at the end of the ninth each side had an even dozen runs to its credit. In the tenth tussle the Thorn Hedge boys said they simply had to get the extra run and win, as Mr. Battles had told them he would give them a good hiding if they didn't. So with a little extra steam on they captured the necessary tally and won out, much to the relief of Mr. H. H., whose word being as good as his bond was seen to be getting very nervous just before the finish. The feature of the game was the spick and span appearance of Captain Billy Stevens of the Burtons, who wore his glad rags in honor of the occasion. He did great work behind and at the bat and after the game said anyhow he'd sooner lose than win with a 13

OUTING OF THE BOSTON GARDENERS' AND FLORISTS' CLUB.

The tug of war.

score. The veteran pitcher, Billy Dunning, together with Al Thomas of the Julius Wolf Force, were interested spectators. Farmer Wm. Davis gave great satisfaction as umpire. A sumptuous lunch was served after the game.

K.

At Boston.

GARDENERS' AND FLORISTS' PICNIC.

The committee in charge of the picnic of the Gardeners' and Florists' Club, T. E. Palmer, David Lumsden, John W. Duncan, Peter Miller and Jas. Wheeler, must certainly have been in the good graces of the weather man, for after 10 days of the most disagreeable weather known to the oldest inhabitant, the sun rose clear and bright and the cool north wind blew on one of the pleasantest days of this summer, when the members of the club, with their wives, daughters and sweethearts, took the special electric cars that carried the party to Waushakum Grove, at South Framingham, July 25. The urgent call of the secretary was well responded to for during the day it is estimated that about 450 people graced the occasion with their presence. The committee in charge were fully prepared to fulfill their duties and everything went off like clockwork. Each lady was presented with a box of candy and over 500 bags of peanuts were distributed among the boys and girls.

OUTING OF THE BOSTON GARDENERS' AND FLORISTS' CLUB.

Married ladies' race. Young ladies' race.

It was an old-fashioned picnic, every one carrying their own lunch and the programme much resembled those issued by the Scottish clans. The list of contests was quite lengthy and the prizes were donated by members and friends of the club and the committee had plenty to do to keep the successive events moving in order to take the return cars at 6:30 p. m. Success crowned their efforts, and every one returned having spent a most pleasant day and full of compliments for the committee having charge of the most successful picnic ever held by the club. Following are the list of contests with prizes and winners:

Base ball, married vs. single.—Lord and Burnham prizes, nine pairs cuff links; single, Capt. Johnson 14, married, Capt. Fisher 9.

Base ball, boys under 16—W. E. Doyle prize, nine ball gloves. Capt. Hodgson 16, Capt. Wheeler 3.

Base ball, girls, no age limit—Welsh Bros. prizes, nine chatelaine pins; Capt. Ella Palmer 10, Capt. Ira Wheeler 9.

Cricket, commercial vs. private growers.—Edward Hatch prizes, 11 pins; private 23, commercial 20.

Fifty yards race, boys under 10—Bay State Nurseries prizes, first, magnet watch; second, knife; third, Rugby ball; first, Thomas Iliffe; second, Theodore Palmer; third, Victor Lumsden.

Fifty yards race, girls under 10 years.—H. M. Robinson & Co.'s prize, first, locket and chain; second, brooch; third, brooch; first, Helen Vearse; second, Lillian Vearse; third, Harriet Coles.

One hundred yards race, boys 10 to 16 years.—W. W. Edgar Co.'s prizes, first, foot ball; second, catcher's mitt; third, junior ball; first, Geo. Palmer; second, Jas. Harbison; third, Clarence Dolen.

One hundred yards race, girls 10 to 16 years.—Braman, Dorr & Co.'s prizes, first, tennis racquet; second, pair handy pins; third, locket; first, Florence Lumsden; second, Helen Vearse; third, Florence Eisenhardt.

Fifty yards race, married ladies.—A. H. Hews & Co.'s prizes, first, suit case; second, umbrella; third, hammock; first, Mrs. Robt. Edgar; second, Mrs. A. Eisenhardt; third, Mrs. T. Neal.

One hundred yards race, young ladies over 16 years.—First, Houghton & Clark prize, manicure set; second, David Lumsden's prize, camera; first, Ella Palmer; second, Ethel Roy.

One hundred yards race, club members only.—First, J. Breck & Son prize, barometer; second, T. J. Grey & Co.'s prize, cup; third, D. Finlayson's prize, watch fob; first, Thos. Brown; second, A. E. Shedd; third, F. Cannell.

One hundred yards race, open to all.—Daniel Iliffe's prizes, first, clock; second, knife; first, Alexander Burr; second, J. McCarthy.

One hundred yards race, fat men over 200 pounds.—Schlegel & Fottler Co's prizes, first, clock; second, umbrella; first, W. R. Nicholson; second, James Wheeler.

Fifty yards race, men over 50 years.—W. W. Rawson & Co.'s prizes, first, umbrella; second, paper knife; first, Wm. Miller; second, J. Keady.

Potato race, for ladies.—H. H. Barrows & Son' prizes, first, umbrella; second, collar box; first, Louise Eisenhardt; second, Jean Westwood.

One hundred yards, three legged race, open to all.—Henry Penn's prizes, first, two pair cuff links; second, two pins; first, Thos. Brown and Harry Coles; second, A. Lowe and A. F. McDermott.

Handicap, 240 yards.—First, T. Grey's prize, silver cup; second, Wm. Sim's prize, military hair brush; third, Wm. Sim's, watch fob; first, F. Cannell; second, A. E. Shedd; third, F. E. Palmer.

Quoit match.—First, Julius Zinn's prize, meerschaum pipe; second, Alex. Montgomery's prize, clothes brush; first, Wm. Munroe; second, Wm. Robb.

High jump.—H. H. Barron & Son's prizes, first, umbrella; second, collar box; first, Frank Edgar, 4 feet 9 inches; second, Frank McDermott, 4 feet 8 inches.

Long jump.—Framingham Nurseries' prizes, first, Waterman fountain pen; second, shaving set; first, W. Johnson, 13 feet 8 inches; second, Frank Edgar, 13 feet 4 inches.

Putting 16-pound shot.—First, W. J. Stewart's prize; second, sporting committee's prize, fancy silk suspenders; first, W. R. Nicholson, 25 feet 1½ inches; second, D. McKenzie, 24 feet 10 inches.

Throwing 12-pound hammer.—Sporting committee's prizes, first, umbrella; second, clothes brush; first, Wm. Munroe, 94 feet 4 inches; second, Wm. Robb, 92 feet 6 inches.

Tug of war, commercial vs. private growers.—Sporting committee's prize, box cigars; private growers won.

Handicap, 240 yards, boys 10 to 16 years.—A. F. Scott's prizes, first, rod and reel; second, punching bag; third, knife; first, Geo. Palmer; second, Wm. Iliffe; third, Jas. Harbison.

One hundred yards race, open to all.—Shady Hill Nurseries' prizes, first, umbrella; second, pocketbook; first, J. Lally; second, Thos. Brown.

Wholesale Flower Markets

MILWAUKEE, Aug. 1.

Roses, Beauty...per doz.	.75@ 3.00
" Liberty	2.00@ 8.00
" Chatenay	2.00@ 6.00
" Bride, Bridesmaid	2.00@ 6.00
" Meteor, Golden Gate	3.00@ 6.00
" Perle	2.00@ 4.00
Carnations	1.00@ 2.00
Smilax	15.00@20.00
Asparagus, sprays	3.00
" Sprengeri	3.00
Lily of the valley	3.00@ 4.00
Adiantum	1.00
Sweet peas	.10@ .25
Multiflorum	10.00@12 50
Lilium Rubrum, short	3 00@ 5.00
Asters	.50@ 1.00

ST. LOUIS, Aug. 1.

Roses, Beauty, long stem	2.00@ 2.50
" " medium stem	1.00@ 1.50
" " short stem	.50@ .75
" Bride, Bridesmaid	2.00@ 5 00
" Golden Gate	2.00@ 4.00
" Richmond	2.00@ 4.00
Carnations, common	.75
" good	1.00
" fancy	1.50
Smilax	12 50
Asparagus Sprengeri	1.00@ 2.00
" Plumosus	25.00@40.00
Fancy ferns $1.50 per 1000	
Gladiolus	2.00
Asters	.50@ 2.50

PITTSBURG, Aug. 1.

Roses, Beauty, specials	20.00@25.00
" " extras	12.00@15 00
" " No. 1	8.00@10.00
" " ordinary	4.00@ 5.00
" Bride, Bridesmaid	2.00@ 6.00
" Chatenay	4 00@ 6.00
" Richmond	4.00@ 6.00
" Kaiserin	3.00@12.00
Carnations	1.00@ 2.00
Lily of the valley	2.00@ 4.00
Smilax	12.50@15.00
Asparagus, strings	30.00@50.00
" Sprengeri	2.00@ 4.00
Lilies	15.00@18.00
Asters	.75@ 2 00
Adiantum	1.25@ 1.50
Sweet peas	.10@ .40
Daisies	50
Gladiolus	6.00@ 8.00
Gaillardia	.75@ 1.00

CINCINNATI, Aug. 1.

Roses, Beauty, per doz.	1.00@ 4.00
" Bride, Bridesmaid	3.00@ 6.00
" Liberty	4.00@ 8.00
" Meteor, Golden Gate	3.00@ 6.00
Carnations	1.00@ 3.00
Lily of the valley	3.00@ 4.00
Asparagus	50.00
Smilax	12.50
Adiantum	1.00
Asparagus plumosus and Sprengeri in bunches...per bunch 25c	
Ferns...1 50 per 1000	
Longiflorum lilies	6.00@15.00
Asters	1.00@ 2 00
Gladiolus	2.00@ 3 00

CLEVELAND, Aug. 1.

Roses, Beauty, per doz.	1.50@ 3.00
" Bride, Bridesmaid, Meteor	3.00@ 7.00
" Kaiserin	4 00@ 8 00
Carnations	1.50@ 2.00
Smilax	15.00
Asparagus, strings	25.00@50.00
" Sprengeri	1.00@ 2.00
Common ferns...$1 50 per 1000	
Sweet peas	.30@ .50

Outing of the Boston Club.

Race for men over 50 years old.

THE AMERICAN FLORIST

TWENTY-SECOND YEAR.

Subscription, $1.00 a year. To Europe, $2.00
Subscriptions accepted only from those in the trade.

Advertisements on all except cover pages, 10 Cents a Line Agate; $1 00 per inch. Cash with Order.

No Special Position Guaranteed.

Discounts are allowed **only on consecutive insertions**, as follows—6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent.

Space on front pages and back cover page sold only on yearly contract at $1.00 per inch, net.

The AMERICAN FLORIST Advertising Department is for florists, seedsmen and nurserymen and dealers in wares pertaining to those lines only.

Orders for less than one-half inch space not accepted

Advertisements must reach us by Monday to secure insertion in the issue of the same week. Address

AMERICAN FLORIST CO., Chicago.

When sending us change of address always send the old address at the same time.
We do not assume any responsibility for the opinions of correspondents.

THIS ISSUE 48 PAGES WITH COVER.

CONTENTS.

Florists' plant notes—For early August....41
Growing hydrangeas in tubs (illus.)....42
Mexican floriculture....43
Floriculture at the Illinois state fair....44
With the growers....44
—Arnold Schmidt & Son, Nashville, Tenn....44
—Anton Schultheis, College Point, N. Y. (illus.)....44
Dayton convention notes....46
People we know—John F. Huss (portrait)....47
—Otto Abele (portrait)....48
Obituary—Peter H. Murphy....48
—Edward D. Clark (portrait)....48
—Mrs Christina Maitre....49
—Alexander Emslie....49
Omaha (illus.)....49
Our pastimes—At Chicago....50
—At St. Louis (illus.)....50
—At Philadelphia....50
—At Boston (illus.)....51
Correction....52
Exhibition for flower shippers....52
Says office should seek the man....52
Dayton delegates invited to Chicago....52
Monument to Alphonse Karr at Hyeres....52
Meetings next week....52
Coming exhibitions....53
Chicago....56
Chicago to Dayton via Big Four....56
Boston....58
Baltimore....58
Buffalo....58
Montreal....58
New York....60
The seed trade....64
—A. J. Pieters (portrait)....64
—European seed crops....65
—Canary seed crop (1905) of the Braslan Seed Growers Co., San Jose, Cal. (illus.)....65
The nursery trade....68
—Herbaceous plant notes....68
Kansas City....79
St. Louis....79
Louisville....79
Toledo, O....79
Special illustration:
—On the Jamestown exposition grounds....68

MAKE convention preparations early.

ALL indications point to a banner convention attendance.

WE are in receipt of the preliminary report of the S. A. F. convention and will refer to it more fully in a later issue.

THE date on the yellow address label on your copy of THE AMERICAN FLORIST will show when your subscription expires. Please renew subscriptions promptly on expiration to make certain of receiving your copy of each issue.

Correction.

E. T. Wanzer writes that the three greenhouses he is building are each 23 x 200 feet instead of 200 x 233 as our types indicated in a previous issue.

Exhibition for Flower Shippers.

The Paris-Lyons railroad has announced that it will organize, with the assistance of the general commissioner of the Colonial exposition, now being held in Marseilles, a national exhibition of baskets and cases for the packing and shipping of flowers, fruits, vegetables, etc. This exhibition will include a force of men and women, who will prepare, in the presence of a jury, packages of flowers, fruits and vegetables, which will be furnished by the commissioner of the exposition. This competition will probably be held on September 8, in the buildings of the Colonial exposition at Marseilles.

Says Office Should Seek the Man.

ED. AMERICAN FLORIST.—

Would it not be wise for the members of the S. A. F. to give some attention to the selection of a suitable and logical candidate to fill the position of president for the ensuing year, rather than to wait and leave it altogether to canvassing and buttonholing members at the last moment, or until they have unwittingly pledged themselves to some friends on personal grounds alone? It seems to me that the best interests of the society often point to some man who would never dream of seeking office in any way.

I am expressing my belief that H. B. Beatty, for many years a faithful member and efficient officer, serving as he has year after year, never wavering in his devotion to the best interests of the society, is such a man.

He is too modest a gentleman to seek the office. Let us see to it that the office seeks the man.

ADAM GRAHAM.

Dayton Delegates Invited to Chicago.

An informal meeting of the Chicago Florists' Club was held July 27 at 11 a. m. in the office of F. F. Benthey, for the purpose of inviting to Chicago, eastern members of the S. A. F. who might wish to extend their trip to this city. It was the intention of the meeting to plan some form of amusement for them but as it was impossible to obtain any estimate of the number who might come, it was finally decided to draw up the following invitation:

"Convention visitors who may decide to make a further western trip during the week following the Dayton meeting are cordially invited by the Chicago Florists' Club to advise its secretary when they will be in the city in order that an afternoon or evening meeting with the club can be arranged."

L. H. WINTERSON, Sec'y.,
49 Wabash avenue.
P. J. HAUSWIRTH, Pres.,
227 Michigan avenue.

Those who attended the meeting were: P. J. Hauswirth, J. C. Vaughan, L. H. Winterson, N. Wietor, F. F. Benthey, L. Coatsworth, Geo. Asmus and A. L. Randall.

Monument to Alphonse Karr at Hyeres.

At St. Raphael, April 8, a monument was unveiled in the name of literary France and in the name of horticulture of the Cote d'Azur, to Alphonse Karr, journalist and gardener of repute, and who created at Nice 50 years ago the industry of exporting cut flowers in the winter, which is today a source of revenue for all the region. The monument which perpetuates his memory is erected facing the sea, not far distant from the famous "Maison Close," which, as M. Nardy, Sr., recalls, has never been closed to gardeners.

M. Parsons, chief assistant of the cabinet of public instruction, presided at the ceremony assisted by a delegate of the prefect of Var, by M. Basso, mayor of St. Raphael, M. Claudon and Vana, assistants, M. Drageon, consul of Norvege, M. Nardy, Sr., the venerable horticulturist of Hyeres, and a large number of other prominent persons. The addresses were given by M. Jean Aicard, M. Jules Claretie and M. Parsons. M. Nardy rendered homage to the memory of Alphonse Karr in the name of the gardeners of St. Raphael and of the coast. A telegram was read from the mayor of San Remo acknowledging the sympathetic remembrance of the gardeners of the Cote d'Azur Italian. The fete closed with a pilgrimage to the "Maison Close" and a banquet.—Revue Horticole.

Meetings Next Week.

Butte, Mont.—Montana Florists' Club, Columbia Gardens, August 10.

Chicago.—Chicago Florists' Club, Handel hall, 40 Randolph street, August 9, at 8 p. m.

Chicago.—Gardeners' and Florists' Union No. 10615, 10-12 Clark street, August 8.

Cincinnati, O.—Cincinnati Florists' Society, Jabez Elliott Flower Market, August 11, at 8 p. m.

Davenport, Ia.—Tri-City Florists' Club, August 9.

Dayton, O.—Dayton Florists' Club, 112 South Main street, August 6.

Denver, Col.—Denver Floral Club, 323 Charles block, August 10, at 8 p. m.

Des Moines, Ia.—Des Moines Florists' Club, Iowa Seed Co.'s store, August 7, at 8 p. m.

Hamilton, Ont.—Hamilton Gardeners' and Florists' Club, office of member, August 7, at 8 p. m.

Hartford, Conn.—Hartford Florists' Club, August 10, at 8 p. m.

Indianapolis, Ind.—State Florists' Association of Indiana, Commercial Club rooms, August 7, at 7:30 p. m.

Lake Forest, Ill.—Lake Forest Horticultural Society, Blackler's hall, August 8, at 8 p. m.

Louisville, Ky.—The Kentucky Society of Florists, August 7, at 8 p. m.

Madison, N. J.—Morris County Gardeners' and Florists' Society, Masonic hall, August 8, at 7:30 p. m.

Montreal, Que.—Montreal Gardeners' and Florists' Club, Alexandria rooms, 2204 St. Catherine street, August 6.

New Bedford, Mass.—New Bedford Florists' Club, August 9.

New Haven, Conn.—New Haven Horticultural Society, August 7.

New London, Conn.—New London County Horticultural Society, Elks' Hall, August 8.

New York.—Horticultural Society of New York, American Institute rooms, August 8, at 8 p. m.

Omaha, Neb.—Nebraska Florists' Society, City hall, August 9, at 8 p. m.

Philadelphia, Pa.—Florists' Club of Philadelphia, Horticultural hall, Broad street, above Spruce, August 7, at 8 p. m.

Pittsburg, Pa.—Pittsburg and Allegheny Gardeners' and Florists' Club, 422 Sixth avenue, August 7, at 8 p. m.

Salt Lake City, Utah.—Salt Lake Florists' Club, 114 East Second South street, August 7.

Seattle, Wash.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street, August 7.

St. Louis, Mo.—St. Louis Florists' Club, Grand and Shenandoah streets, August 9, at 2 p. m.

Washington, D. C.—Washington Florists' Club, Schmidt's Hall, 516 Ninth street, N. W., August 7.

Coming Exhibitions.

[Secretaries are requested to supply any omissions from this list.]

BOSTON, MASS., September 5-6, 1906.—Annual plant and flower exhibition Massachusetts Horticultural Society. Address Wm. P. Rich, Horticultural hall, 300 Massachusetts avenue, Boston. Mass.

BOSTON, MASS., November 2-4, 1906.—Chrysanthemum exhibition Massachusetts Horticultural Society. Address Wm. P. Rich, Horticultural hall, 300 Massachusetts avenue, Boston, Mass.

CHICAGO, November —, 1906.—Annual exhibition Horticultural Society of Chicago. Address Willis N. Rudd, Blue Island, Ill.

NEW HAVEN, CONN., November 6-8, 1906.—Annual exhibition New Haven County Horticultural Society. Address Thos. Pettit, 90 Prospect street, New Haven, Conn.

NEWPORT, R. I., August 13-15, 1906.—Annual exhibition Newport Horticultural Society. Address David McIntosh, Ledge Road, Newport, R. I.

PROVIDENCE, R. I., November 9-10, 1906.—Chrysanthemum and carnation exhibition Rhode Island Horticultural Society. Address C. W. Smith, 27-29 Exchange street, Providence, R. I.

RED BANK, N. J., October 31-November 1, 1906.—Ninth annual exhibition Monmouth County Horticultural Society. Address H. A. Kettel, Red Bank, N. J.

SANTA BARBARA, Cal., October 17-18, 1906.—Chrysanthemum exhibit Santa Barbara County Horticultural Society. Address Thos. Poole, Santa Barbara, Cal.

TARRYTOWN, N. Y., October 30-November 1, 1906.—Eighth annual exhibition Tarrytown Horticultural Society. Address E. W. Neubrand, Tarrytown, N. Y.

WORCESTER, MASS., November 8, 1906.—Chrysanthemum exhibition Worcester County Horticultural Society. Address Adin A. Hixon, Horticultural hall, 18 Front street, Worcester, Mass.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

Cash with Adv.

Plant Advs. NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1906 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

Situation Wanted—Young married man wishes position as rose or carnation grower; good references given. Address
Key 732, care American Florist.

Situation Wanted—By a first-class carnation grower, having 12 years' experience; good references: Ohio or Indiana offers preferred.
Key 749, care American Florist.

Situation Wanted—Commercial or private; married, age 34, life experience; old country reference. Apply, stating wages, etc.,
X Y Z, Post office, Petrolia, Ont., Canada.

Situation Wanted—By a young man as salesman in cut flower store; good decorator and designer; experienced in handling seeds, bulbs and plant trade. Address
Key 739, care American Florist.

Situation Wanted—As foreman; capable of taking entire charge of large plant and having the work done in a practical way; first-class references as to ability, etc.; good wages expected.
Key 750, care American Florist.

Situation Wanted—As rose and carnation grower or as working foreman; well up in all branches of the business; A1 references for the past 17 years; married. State wages, etc. Address Key 736, care American Florist.

Situation Wanted—I have 14 years' experience in growing and propagating roses, carnations, 'mums and general plants, and wish to correspond with party wishing a reliable, steady, first-class grower or foreman; German. Good references. Please state full particulars, with wages.
Key 743, care American Florist.

Situation Wanted—About Sept. 1, by ambitious live business man who has a thorough practical knowledge of the seed business in every detail; has exceptionally good experience in general retail store work, market gardeners' and mail order trade. Key 746, care American Florist.

Help Wanted—A good rose grower; steady position. G. VAN BOCHOVE & BRO.,
Kalamazoo, Mich.

Help Wanted—A good carnation grower to take care of section; wages, $40, with board and room
NIC. ZWEIFEL, North Milwaukee, Wis.

Help Wanted—A first-class carnation grower. Wages $45.00 to $50.00 per month; send references.
HASKELL AV. FLORAL CO., Dallas, Texas.

Help Wanted—At once; all-around greenhouse man. Please give experience and state wages in first letter. P. L. LARSON, Fort Dodge, Ia.

Help Wanted—One good nurseryman and good propagator wanted at our nurseries; good wages to right man. VAUGHAN'S SEED STORE, Chicago.

Help Wanted—A man for general greenhouse work and who is willing to make himself generally useful under a foreman. Address
IDLE-HOUR NURSERIES, Macon, Ga.

Help Wanted—Two young men as helpers in carnation sections; good opportunity to learn the business. Address
CHICAGO CARNATION CO., Joliet, Ill.

Help Wanted—Three men, one on carnations and two for general greenhouse work; $10 to $15 per week.
CARL HAGENBURGER, West Mentor, Ohio.

Help Wanted—A young lady as designer in store; must have recommenda ions as to refinement and character. Address
Key 741, care American Florist.

Help Wanted—At once a man for general greenhouse work, to assist in growing carnations and general stock. Must be sober and reliable.
DANIEL E. GORMAN, Williamsport, Pa.

Help Wanted—A good greenhouse man; must be sober and have a good, fair knowledge of carnations and general stock. Wages $60.00 per month. Key 747, care American Florist.

Help Wanted—About October 1, all-'round gardener; private place, small greenhouse, but mostly outdoor work; must be sober, reliable and well recommended; $45 per month, room and fuel.
J. S. BAKER, St. Croix Falls, Wis.

Help Wanted—Working foreman for eastern place of about 20,000 feet of glass, where tea roses mainly are grown; young married man preferred, looking for steady place and advancement, who can give references as to ability and habits; $75 a month. Key 745, care American Florist.

Help Wanted—A first-class all-around gardener and one who understands raising vegetables in greenhouses. Houses are heated with natural gas. Would like the party to have some experience with flowers. Give references and state wages with house and heat. A fine position for the right man. Address J. W. LEASURE, Bradford, Pa.

Wanted—A small second-hand refrigerator and counter for florist's store; must be cheap. Address W. W. COLES, Kokomo, Ind.

For Sale—Upright 15 horse-power boiler; about 800 ft. 1½-in. pipe; 400 ft. glass; at a bargain.
C. A. SKIDMORE, Stockbridge, Mich.

For Sale—Nine greenhouses, dwelling house and barn, 3½ acres of ground. For particulars address
P. O. Box 109, Newtown, Bucks Co., Pa.

For Rent—Four greenhouses, 11,000 ft. glass, at Cedar Rapids, Iowa, stocked and in good repair. W. M. KEELEY, Washington, Iowa.

For Sale or Rent—Store and five small greenhouses, with or without dwelling, on street car line; only florist in town; cause sickness.
548 119th St., West Pullman, Chicago.

For Sale—Florist store, including 52-foot greenhouse and 4-room dwelling house on 125-foot lot. Steam heat. MRS. EMMA WALLENBERG,
148 W. 24th St, near Western Ave., Chicago.

For Sale—Worthington duplex steam pump, capacity 30-40 gal. per minute in good condition, $45.00; No. 1 receiver and fittings for pump, good as new $50.00. Dean pump for hand or steam, almost new, $20.00; six-inch pressure regulator, used two seasons, $50.00. Carnation supports, $15.00 per 1000; $125.00 for 10,000.
JAMES W. DUNFORD, Clayton, Mo.

For Sale—On easy terms, owing to owner having other business, a well-established florist concern in Michigan; 10,000 feet of glass; 8-room dwelling house and barn; steam heated; all practically new and up-to-date; well stocked for retail trade; 5,000 carnations in field ready for early benching; part payment in wages, with chance to buy a larger interest or the whole outright. Address
Key 748, care American Florist.

FOR SALE.

Heller Mouse Proof Seed Drawers, 5 sections, each containing 16 large drawers, 6 inches wide, 6 inches high, 9½ inches long, 48 small drawers, 4 inches wide, 4 inches high, 9½ inches long, in good condition, reason for selling, business demands larger size boxes, price $60.00

VAUGHAN'S SEED STORE, CHICAGO.

FOR SALE.

All or part interest in a good 8-house greenhouse plant at Des Moines, with 3 acres of ground. Good foreman there will retain working interest.

VAUGHAN'S SEED STORE
CHICAGO.

FOR SALE.

25,000 galvanized rose stakes. No. 9 wire, length, 30 and 36 inches; as good as new. Will sell cheap. Also 1 Morehead steam trap, size No. 3. Write for prices.

JENSEN & DEKEMA,
674 W. Foster Ave., CHICAGO.

GLASS—Big Bargain.

500 boxes 16x18 Double Thick B, at $2.75 per box, net cash, f. o. b. cars Boston, New York, Philadelphia, Cincinnati, Cleveland, Buffalo, Detroit or Chicago. All other sizes very cheap. Last chance. Address

James H. Rice Co. Illinois & St. Clair Sts. CHICAGO.

GLASS.

We have for sale a lot of 16x18 glass A. & B. D. S., at a low price.

A. DIETSCH CO.,
617 Sheffield Ave., CHICAGO.

VALUABLE GREENHOUSES
TO LEASE.

The houses formerly owned by the late F. A. Blake, of Rochdale, Mass., will be leased on easy terms to responsible party.

They consist of seven houses having a floor area of 6,800 sq. ft., with boiler house, barns and 2 to 3 acres of good land.

The stock, consisting of 2,600 choice carnations in the field and a large and select variety of other plants, will be sold cheap for cash to the lessee. Situated 9 miles from Worcester and 53 miles from Boston.

Address
MRS. F. A. BLAKE, Rochdale, Mass.

THE ANNUAL MEETING
—OF THE—
FLORISTS' HAIL ASSOCIATION
will be held at
FAIR GROUNDS PAVILION, DAYTON, OHIO,
at 3 P. M., August 22, 1906.
JOHN G. ESLER, Sec'y.

NOTICE
—OF—
STOCK HOLDERS MEETING.

CHICAGO, July 21, 1906.

Stockholders of the American Florist Company:

You are hereby notified that the annual meeting of the Stockholders of the American Florist Company will be held in the Beckel Hotel, Dayton, O., Wednesday, August 22, 1906, at 3 o'clock P. M., for the purpose of electing directors and officers for the ensuing term, and for the transaction of such other business as may come before the meeting.

J. C. VAUGHAN, Pres.
M. BARKER, Sec'y.

WATCH US CROW.

Araucaria Excelsa

The Best of All Decorative Plants Nature Produces

OUR SPECIALTY.

Think of Aschmann, the great Araucaria Importer of America, before buying elsewhere.

Fill your empty houses now, and make 100 per cent on your money while you are asleep.

Notice.—When you undertake anything, do it well or not at all. This is our motto, adopted eleven years ago, when we imported the first lot of this well known pot plant, the Araucaria Excelsa, from Belgium. These everlasting green foliage pot plants are growing more in favor by the tasteful plant buyers of the land from year to year. Please watch the growth of our importations during the last eleven years. First year, 100; second year, 250; third, 500; fourth, 1,000; fifth, 2,000. Now this year, 1906, is our **eleventh anniversary** since we began importing them, and they have grown up to 6,000, this spring's importation.

All these are grown for me under contract by an Araucaria specialist in Belgium. I must say, for the benefit of my customers, that they were never before so nice and large for the money as this year. Perfectly recovered from their sea voyage and well established, planted to 5½, 6 and 7 inch pots, ready ship to all points in America.

I herewith quote you special low prices on them for cash: **Araucaria Excelsa**

12 to 14 in. high, 5½-in. pots, 3 to 4 trs., 2 yr. old.$ .50
12 to 14 in. high, 5½-in. pots, 3 to 4 trs., 2 yr. old. .60
16 to 18 in. high, 5½ to 6 in. pots, 3 to 4 trs., 3 yr. old ..... .75
18 to 20 in. high, 6-in. pots, 5 to 6 trs., 4 yr. old.. 1.00
20 to 24 in. high, 6-in. pots 5 to 6 trs., 4 yr. old.. 1.25
36 to 50 in. specimen, 7-in pots 6 yr. old, $2.50 to 3.00

Araucaria Compacta Robusta, have 1000 of them, never were so nice as this year. Plants are as broad as long, from 12 to 20 in. in height, 3 to 4 perfect tiers, 20 to 30 in. wide across from one tip of tiers to the other, 3, 4 and 5 years old, 6 to 7-in. pots, $1.25, $1.50, $1.75, $2.00, up to $3.00 each.

Araucaria Excelsa Glauca, are perfect jewels in shape and size: their beautiful green-blue tiers make them of such a striking appearance that everybody seeing them must fall in love with them on sight, and cannot help it. Plants, 6 to 7 in. pots, 3, 4 and 5 perfect tiers, 15 to 25 in. in height, from 15 to 30 in. across, $1.25 $1.50, $1.75, $2.00 to $2 50 each.

Please bear in mind these mentioned varieties are the cream of Belgium importations. We have thousands of them; can meet all demands.

Kentia Forsteriana, 6-in. pots, 35 to 40 in. high, 5 to 6 leaves, 4 years old, $1.25 to $1.50; 30 to 35 in. high, 4 years old, 6 in. pots, $1.00; 5½-in. pots, 25 to 30 in. high, 3 years old, 75c; 4-in. pots, made up with three plants, 18 to 20 in. high, 25 to 30c. **Belmoreana,** 6 in. pots, 4 years old, 5 to 6 leaves, bushy, 30 to 35 in. high, $1.25; 5½ to 6 in. pots, 3 years old, 5 to 6 leaves, 75c to $1.00 each. Above are the sizes entered in the custom house. **Kentia Forsteriana,** 7-in. pots, made up plants, on elarge in center, three smaller sizes, about 22 to 24 in. high, price $2.00 each.

Cycas Revoluta or **Sago Palm,** 6 to 7 in. pots, 7 to 20 leaves, 10c per leaf.

Cocos Weddelliana, 15c.

Areca Lutescens, made up plants, 4-inch pots, 25c.

Solanum or **Jerusalem Cherries,** 2½-in., per 100, $5.00; the same varieties as we sell at Xmas. for from 75c up to $1.00 each.

Ficus Elastica, Belgian importation, 4-in. pots 25c.

Ferns. A fine assortment of Ferns for dishes, large, bushy, out of 2½-inch pots $5.00 per 100.

Barrowsii ferns, 4-in., 25c; 6-in., 75c. **Scottii,** 4-inch, 25c; 5 inch, 40c; 6-inch, 50c

All goods must travel at purchaser's risk. Cash with order, please.

GODFREY ASCHMANN,
Importer and Wholesale Grower of Pot Plants,
1012 Ontario St., PHILADELPHIA, PA.

Nicholson's Dictionary of Gardening,
FOUR VOLUMES, $20.00.

An Excellent Work of Reference.

American Florist Co.
324 Dearborn Street, CHICAGO

BARGAINS IN CHOICE PLANTS

English Ivy, from 4½-in. pots, $2.00 and $2.50 per doz. About 3 feet high and bushy.
Ivy, fan shaped, fine and bushy, $6.00 per doz.; 75c each.
Anthericum, variegated, per doz., $1.50; per 100, $12.00.
Boston Ferns, 5-in. pots, $3.00 per doz.; 6 in. pots, $9.00 per doz.; 7-in. pots, $12.00 per doz.
Kentia Belmoreana and **Forsteriana,** $3 00, $4.00, $5.00, $6.00, $9.00 per doz.; also by the 100. Also $1 00, $1.50, $2.00, $2.50, $3.00 each and by the 2 doz.
Phoenix Canariensis, large plants, 6½ to 7 feet high, 11-in. pots, $12.00 to $14.00 per pair.
Bird's Nest Fern, large plants, 6½-in. pots, $1.50 each; $18.50 per doz.
Araucaria Excelsa, 50c, 75c, $1.00, $1.50 $2.00-$2.50 each. Also by the 100.
Aspidistra, green, $1.00 per pot, 10 to 12 leaves.
Cut Flowers of **Lily of the Valley,** $4 00 and $5.00 per 100.
Boxwood Pyramids, in pots, $2.00 and $2.50 per pair; fine plants. Other sizes sold out.
Bay Trees, Pyramids,
55-60 in. high from top of tub, $14.00 per pair
65-70 in. high from top of tub, 15.00 per pair
72 in. high from top of tub 18.00 per pair
84 in. high from top of tub 20.00 per pair
Bay Trees, Standards, (with 4 feet stems.)
32 in. diameter of crown, $14.00 per pair
36 in. diameter of crown, 16.00 per pair
Leaf-Mold, $1.00 per bag.

Asparagus Plumosns, 3½-in. pots, $1.25 per doz.; per 100, $9.00; 4-in. pots, $2.00 per doz.; 4½-in. pots, $3 00 per doz.
Kentia Forsteriana, combinations, from $3.00, $4.00, $5.00, $6.00, $10.00, $15.00 to $20.00 each.
Dracaena Fragrans, $4.00, $6.00, $9.00, $12.00, $15 00, $24.00 per doz
Latania Borbonica, from 5-in. pots, $4.00 per doz.; 6-in., $6 00 per doz.
Scottii Fern, 6½-in. pots, $7.00 per doz. Specimens, $2.50 each. From the bench for 5½ and 6-in. pots, $5.00 per doz.; $40.00 per 100.
Piersoni Fern, 5½-in. prts, $9.00 per doz.
N. Elegantissima, from 4½-in. pots, $4.00 per doz.; $30.00 per 100.
Cattleya Trianae, 40 plants, 400 good bulbs, $50.00 per original case.
Orchid Peat, $1.00 per bag.
Rubbers, from 7-in. pots, 3 ft. high, $9.00 per doz.
Boston Ferns, specimens, $3.00 each. 1 pair extra large 14-in. pots, $15.00 the pair.
Areca Lutescens, 5½-in. pots, $9.00 per doz., 3 in a pot
Pandanus Veitchii, 5-in. pots, $5.00 per doz; 6-in. pots, $9.00 per doz.; 6½-in., $12.00 per doz; 7-in., $18.00 per doz.
Dracaena Terminalis, 4-in. pots, $3.00 per doz.; 5-in. pots, $5.00 per doz.; 6-in., $9.00 per doz.
Gardenia Veitchii, fine large plants, 5½-in. pots, well budded, $9.00 per doz.
Cycas Revoluta, we have them in 5½, 6, 7 and 8-in. pots, very fine, 50c, 75c, $1.00, $1.50, $2 00 and $3.00 each.
Cibotium Scheidii, 6, 6½ and 7 in. pots, $1.50, $2.00 and $2 50 each.

Cash with order or satisfactory New York references required.

I wish to inform my many friends and customers that the report of my having suffered a loss by hail was erroneous.

I have had no loss, either by hail or other cause. My stock is all in superb condition, and I can fill you orders on short notice.

ANTON SCHULTHEIS,
19th St. and 4th Ave., COLLEGE POINT, L. I., N. Y.

GERANIUMS

2½in. Pots,
Ready for Immediate Delivery.

Alliance. Lemoine 1905, Hybrid, Ivy and Zonal, semi-double, lilac white, upper petals feathered and blotched crimson maroon, 25c each; $2.00 per doz.
Fleuve Blanc, the semi-double Bruant that promises to become the standard white, flowers and foliage equal to Alph. Riccard, $1.50 per doz.; $10.00 per 100.
Double Dryden, $1.00 per doz.; $5.00 per 100.

Cactus Geraniums, four varieties, petals curled and twisted similar to the Cactus Dahlia, $2.00 per doz.; $15.00 per 100.
S. A. Nutt, La Pilote, Beaute Poitevine, Mme. Barney, Centaur, Miss Kendall, Mme. Jaulin, Jean Viaud, Mme. Charotte, 40c per doz.; $2.00 per 100; $18.00 per 100.
Ville Poitiers, Marquise de Castellane, Berthe de Persilly, M. Jolly de Bammeville, Thos. Meehan, 50c per doz.; $3.00 per 100; $25.00 per 1000.

Send for Geranium Catalogue. Let us figure on your future supply.

	Per 100	1000
Alternanthera, red and yellow	$2.00	15.00
Hardy English Ivy	2.00	15.00
Smilax	2.00	15.00

DAHLIA ROOTS.
We are booking orders for fall delivery. Send for list.

A cordial invitation is extended to all interested in horticulture to visit us. Cowenton station, Philadelphia division, B. & O. R. R., 12 miles north of Baltimore.

R. VINCENT, JR. & SON, White Marsh, Md.

....AN....

Indispensable Adjunct

TO a successful wholesale business is an up-to-date, accurate, complete Trade Directory. Such a book, 476 pages, containing the name and address of every florist, nurseryman and seedsman in America, horticultural supply concerns, leading foreign houses, and much other information will be mailed from this office on receipt of $2.

AMERICAN FLORIST CO.
324 Dearborn St., CHICAGO, ILL.

Phoenix Roebelenii.

THE MOST GRACEFUL PALM OF ALL.

We have almost the entire stock of it in America.

SEEDLINGS, $5.00 per 100; $40.00 per 1000; $350.00 per 10,000. 4-in. pot plants, about 1 foot high, 12 to 15 leaves, $1 00 each; $80.00 per 100; $750.00 per 1000. 7-in. pot plants, about 2-2½ feet high, $5.00 each; $40.00 per 10: $350.00 per 100.

SPECIMEN PLANTS, $7.50 to $10.00.

We also offer for sale—**STOVE PLANTS, CALADIUMS, CROTONS** and **DRACAENAS** in finest varieties at reasonable prices.

JOHN LEWIS CHILDS, FLORAL PARK, L. I., N. Y.

Please mention the American Florist when writing.

5,000 PALMS.

SUMMER BARGAINS TO MAKE ROOM.

	Per 100
Lantania Borb., 2¼-in. pots	$ 4.00
" " 4½-in. pots	25.00
" " 5-in. pots	30.00
Kentia Balmoreana, 3½-in. pots	20.00
" " 4½-in pots	30.00
Boston Ferns, 2½-in. pots	4.00
Farfugium Grande, 3½-in. pots	10.00
" " 5-in. pots	15.00

Field grown **Bouvardias** and **Carnations** priced on application. Address

NANZ & NEUNER, Louisville, Ky.

BERTHA RATH

CARNATION CUTTINGS,

FERNS, PALMS,

ARAUCARIA EXCEL,

ASPIDISTRA,

Green and Variegated.

BAY TREES and PRIVET,

Fine, Strong Stock.

R. DREYER, WOODSIDE, L. I., N. Y.

Hardy Cut Fern,

FANCY or DAGGER,

Now 75c per 1000.

Fine Sphagnum Moss,

50c per bbl.

All orders by mail or despatch promptly attended to.

THOMAS COLLINS, Hinsdale, Mass.

Hardy Cut Fern

FANCY OR DAGGER,

Now 75c per 1000.

All orders by mail or despatch promptly attended to.

Hinsdale Fern Co. P. O. Box 157, HINSDALE, MASS

Convention Number

August 18. Send Advt. Now.

New Crop Dagger and Fancy Ferns

$1.00 per 1000.

FOR EVERY OCCASION.

HARDY CUT DAGGER and **FANCY FERNS,** per 1000..1.00
Discount on large orders
BRILLIANT BRONZE and **GREEN GALAX,** per 1000.. 1.00
10,000 lots $7.50.
BOUQUET GREEN, per hundred yards..... 7.00
LAUREL FESTOONING, good and full, 5c to 6c per yard
LAUREL WREATHS, per dozen..... 3 00
BRANCH LAUREL, per bunch.....$ .50
BOXWOOD, per pound..... .20
LEUCOTHOE SPRAYS, per hundred..... 1 00
GREEN and **SPHAGNUM MOSS,** per barrel 1.00
LYRATA, which makes a fine substitute for decorations for June.

Also headquarters for all Florists' Supplies, such as **Milkweeds, Wire Designs, Cut Wire,** all kinds of **Letters, Immortelles, Cycas Leaves,** sheaves of **Wheat, Ribbons, Corrugated Boxes** of all kinds, etc.

HENRY M. ROBINSON & CO., L. D. Phone 7618 Main. **8 to 11 Province St., Boston, Mass.**

Extra Fine New Crop **FANCY FERNS** **$1.00 per 1000** Discount on large orders.

GALAX.....per 1000, $1.25

Send for our weekly price list on Cut Flowers.

MICHIGAN CUT FLOWER EXCHANGE

WM. DILGER, Manager. 38 and 40 Miami Ave., **DETROIT, MICH.**

MOVED To Larger Quarters.

RICE BROTHERS,

128 N. Sixth St.

We are now located in our new place of business, directly across the street from old quarters. Have added a more extensive line of supplies, comprising the most complete stock carried by a supply house. Every facility to handle cut flowers in the proper shape, having chemical and ice storage.

FLOWERS BILLED at MARKET PRICES

Greens of all Kinds.

MINNEAPOLIS, MINN.

SOMETHING NEW Branches of the Huckleberry Tree.

A most elegant decorative green. It is largely used by florists of the Pacific Coast, Washington and Oregon in decorations. The branches are flat, very thickly furnished with exceedingly lustrous, green leaves, and it seems to adapt itself to almost any position in decoration that the Wild Smilax can be used in. New crop **Hardy Ferns,** now ready. Fancy $1.25 per 1000; Dagger, $1.00 per 1000.

CALDWELL, the Woodsman, EVERGREEN, ALA.

SEND FOR FREE SAMPLE OF MY

Fadeless Sheet Moss

EDWARD A. BEAVEN,

Evergreen, Ala.

ROSE PLANTS

	Per 100	1000
Chatenay, 3½-in	$6 50	$60.00
" 2½-in	3.50	30.00
Kaiserin, 2½-in	4.00	35.00
Golden Gate, 2½-in	3.50	30 00
" " 3½-in	6.00	55.00
English, 2½-in	5.00	
Uncle John, 3½-in	6 00	50.00
Beauties, 3-in	5.00	
" 3½-in	6 00	
" 4-in	7.50	
Perles, 3½-in	6.50	
Sunrise, 3½-in	6.50	

Stock guaranteed to please.
No more Cut Back Beauties.

POEHLMANN BROS. CO.

MORTON GROVE, ILL.

PAID UP....

Subscriptions Show That Readers Like the Paper.

Chicago.

BUSINESS IMPROVES.

There was some relief from the ennui of the past fortnight by a slight improvement in the local trade this week. The shipping business was a trifle greater than it has been and the change was decidedly welcome. Summer stock of all kinds came in quite freely with the possible exception of carnations. The white varieties were sufficiently abundant to supply all demands but there was a noticeable shortage of the colored material. Carnations are being replaced these days by asters, which can be had in great profusion at very low prices. Large quantities were sold for 25 cents per 100. Roses are fairly plentiful and the quality is as good as could be expected. Several houses brought in some very fine long stemmed American Beauty which found a ready sale. Bridesmaid, Richmond and Chatenay are abundant, but there is a shortage in Carnot and Kaiserin. Tuberoses are beginning to make their appearance and some water lilies were seen. A commission house showed three or four yellow chysanthemums, which attracted much attention. Lilium auratum is in abundance and sells at fair prices.

NOTES.

Peter Reinberg has returned from his western trip. During his absence seven houses were rebuilt and have been planted with carnations and Asparagus plumosus in addition to the installation of two boilers for the 11 new houses just completed. Leonard Kill says that the chrysanthemums promise exceptionally fine this year. A. Spencer, of the same firm, is now away on his vacation.

The Florists' Union will open a flower store in the downtown district. The union has adopted a union label and every rose or bunch of flowers sold will have the label attached. Members of unions will be urged to purchase flowers for funerals, weddings and parties.

The E. F. Winterson Co. is much interested in specimens of some water lilies which that firm expects to handle next season. The lilies are of various shapes, some small and others large, while they show a great variety of color, pink, blue and white predominating.

The vacation fever has struck the J. A. Budlong Co. P. Schupp and family have gone to South Haven for a few days' outing, while Bert Budlong can now be located at Lake Geneva where he will be joined by Chas. Zaffe for a week at the Budlong cottage.

E. L. Hess says that several of the large mushroom growers in the city report favorable results in tests of pure culture spawn. Paul Swanson has obtained some very satisfactory results from the June spawning for tests.

D. Robertson, of the Ernst Wienhoeber Co., has returned from Denver, Col., where he spent a month's vacation. Frank Pasternick, of the same firm, rusticated three weeks at Oshkosh, Wis.

B. F. Vandervate, of Galena, Ill., suffered a loss of $1,800 in broken glass caused by a hail storm last week. He spent several days in the city purchasing material to replace it.

John Sinner is again to be seen at his old stand in the Flower Growers' Market. He has been spending the time at his carnation patch in Rogers Park.

Zech & Mann are handling a large quantity of excellent carnations. It is first class stock and some of the best that can be had at this time.

W. J. Smythe is taking advantage of the dog day dullness to remodel his Thirty-first street store front. Will knows how to do it right.

Miss Furlong of the Weiland & Risch establishment left the city July 23 for a three weeks' trip to the Thousand Isles.

Miss Emmett of the J. B. Deamud Co. spent last week at home with her mother who has been seriously ill.

Geo. Wienhoeber, who has been at home for some weeks, expects to return east soon.

H. E. Philpott, who went to St. Louis several days ago, is again in the city.

Alex Newett is back again from his vacation trip to Joliet.

Chas. Balluff is up north on a vacation.

Visitors: Fred Heinl, Terre Haute, Ind.; S. E. Morris of the Manistee City Floral Co., Manistee, Mich.; F. Wm. Heckencamp, Jr., Quincy; Otto Will, Minneapolis, Minn.; B. Eschner, of M. Rice & Co., Philadelphia, Pa.; J. R. Falkenstein, Naperville; and Mr. Crawford of Chas. Fruch & Sons, Saginaw, Mich.

Chicago to Dayton Via Big Four.

The Chicago Florists' Club has concluded arrangements for the special train over the Cleveland, Cincinnati, Chicago & St. Louis Ry., leaving the Michigan Central passenger station, Twelfth street, Chicago, at 12:45 Monday, noon, August 20, and due to arrive in Dayton, via Kankakee, Lafayette and Indianapolis about 8:40 p. m., practically a daylight ride all the way. The train will consist of three or more new day coaches, one combination car, and one dining car to serve luncheon and dinner a la carte.

The rate by the certificate plan for the round trip is only $9.70. These tickets are good on all trains August 17, 23 and for the return trip the validated certificates will be honored up to and including August 31.

The Chicago Florists' Club cordially invites the florists of the WEST, NORTHWEST and SOUTHWEST, delegates to the convention, to join this special train at Chicago Monday, noon, as above stated, and see that when they buy their tickets and secure their certificates for the same that these tickets read "Via Big Four Route" from Chicago to Dayton.

Delegates who can join us at any point along our route are requested to do so. The committee will be glad to hear as early as possible from all who decide to join our party, so that the necessary arrangements can be made in time. Delegates buying tickets in Chicago will secure them at the city ticket office of the Big Four, 238 S. Clark street, with certificates.

Committee on transportation for the Chicago Florists' Club—J. C. Vaughan, Willis N. Rudd, George Asmus.

P. J. HAUSWIRTH, Pres.,
L. H. WINTERSON, Secy.

ELMIRA, N. Y.—Early one morning recently four masked men overpowered Jas. Barton, night watchman at the United States Cut Flower Co.'s plant north of the city, and blew open the safe. They secured $12 from the safe and took $6 and a revolver from the night watchman.

DECATUR, IND.—Ernsberger Bros. are arranging to meet the demands of their rapidly increasing business and to do this will erect a $15,000 plant at Celina, Ohio. They located here a few years ago and have grown rapidly, their buildings now covering every available foot of ground in their immediate locality. They have contracted with the city of Celina for exhaust steam and water for 15 years and expect to put up a plant that will require 10,000 feet of glass.

Bassett & Washburn
76 & 78 Wabash Ave., CHICAGO,
Wholesale Dealers and Growers of **Cut Flowers**
GREENHOUSES: HINSDALE, ILL.

CLEVELAND CINCINNATI BIG 4 ROUTE CHICAGO ST. LOUIS RY'G

Special Train

CHICAGO FLORISTS' CLUB

VIA

Big Four Route

CHICAGO TO DAYTON, O.
August 20, 1906.

LEAVE CHICAGO—Illinois Central Depot 12th and Michigan Avenue, 12:45 p. m. Monday, August 20th. Arrive at Dayton about 8:55 p. m. Elegant Coaches and Dining Car. A general good time assured enroute. Send your name at once to the committee if you contemplate joining the party. J. C. Vaughan, W. N. Rudd, Geo. Asmus, Committee on Transportation.

TICKET OFFICE:
238 Clark St., Chicago.

I. P. SPINING,
General Northern Agent.

E. H. Hunt,

WHOLESALE

Cut Flowers

"THE OLD RELIABLE."

76 Wabash Ave., ...CHICAGO.

Please mention the American Florist when writing.

E. C. AMLING

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

32, 34, 36 RANDOLPH ST.,
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Please mention the American Florist when writing

WEILAND & RISCH

Wholesale Growers and Shippers of
CUT FLOWERS
59 Wabash Ave., CHICAGO.
'Phone Central 879.
Write for our wholesale price list.

WHOLESALE FLORISTS

Please mention the American Florist when writing.

Jensen & Dekema

CARNATION SPECIALISTS

674 W. Foster Ave., CHICAGO.

Please mention the American Florist when writing

SINNER BROS.

WHOLESALE CUT FLOWERS
60 Wabash Ave., Chicago.
Careful attention to all
SHIPPING ORDERS.

Please mention the American Florist when writing.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty.....

WHOLESALE GROWER of CUT FLOWERS

Chas. W. McKellar

51 Wabash Ave.,
CHICAGO.

ORCHIDS
A Specialty,

Fancy Stock in VIOLETS, VALLEY, ROSES, BEAUTIES, CARNATIONS and a full line of all Cut-Flowers. Greens, Wire-Work and FLORISTS' SUPPLIES.

Send for Complete Catalogue.

Wholesale Flower Markets

CHICAGO, Aug. 1.

Roses, Beauty, 30 to 36-in. stems		4 00
" " 20 to 24 "	2.50@	3.00
" " 15 to 18 "	1.50@	2.00
" " 12 "	.75@	1.00
" Liberty, Chatenay	3.00@	6.00
" Bride, Bridesmaid	3.00@	6.00
" Golden Gate	3 00@	6.00
" Killarney, Richmond	4.00@	10.00
Carnations	1.00@	1.50
" fancy		2.00
Lily of the valley	2.00@	4.00
Harrisii lilies.....per doz. $1.50		
Asparagus plumosus, per string 35 to 50c.		
" " .35@ 1.00 per bu.		
" Sprengeri	2.00@	4.00
Galax leaves.....per 1000, $1 25		.15
Adiantum	.75@	1.00
Fancy ferns....per 1000	1.50	
Smilax.....per string, 10c @12½c		
Sweet peas		.50
Asters	1.50@	2.00
Auratum lilies.....doz., 1.50		

Poehlmann Bros. Co.

Wholesale Growers of
and Dealers in Cut Flowers.
All telegraph and telephone orders given prompt attention.

Greenhouses: MORTON GROVE, ILL.
35-37 Randolph St., CHICAGO.

WIETOR BROS.,

Wholesale Growers of Cut Flowers
All telegraph and telephone orders given prompt attention.

51 Wabash Ave., CHICAGO.

J. B. DEAMUD CO.

Wholesale Cut Flowers,

51 and 53 Wabash Ave., CHICAGO.
Long Distance Phone Central 3155.
Consignments of Choice Flowers Solicited.

The Geo. Wittbold Co.

1657-1659 Buckingham Place, CHICAGO.

The only retail florist in Chicago who grows his own cut flowers.

FUNERAL WORK ORDERS, OUR SPECIALTY.

Be your own Commission Man

THE
FLOWER GROWERS' MARKET
furnishes the facilities.
See PERCY JONES, Mgr.
60 Wabash Ave., CHICAGO.

Vaughan & Sperry,

Wholesale Florists,

58 and 60 Wabash Ave., CHICAGO.
WRITE FOR SPECIAL PRICES.

Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO.
Telephone, Central 3384.

Please mention the American Florist when writing.

PETER REINBERG

Grower and Wholesaler of Cut Flowers.
1,200,000 feet of glass.
Headquarters for American Beauty.
51 Wabash Ave., CHICAGO.

Always mention the American Florist when you order stock.

KENNICOTT BROS. COMPANY

40-42-44 Randolph St., CHICAGO.

Our reputation has always been that we fill orders when others fail. All stock in season at Lowest Market Rates.

THE BENTHEY-COATSWORTH CO.

35 RANDOLPH ST. WHOLESALE FLORISTS CHICAGO.

Boston.

MARKET DULL.

Dullness now reigns supreme over the trade. The market is over stocked with goods of the lower grades which the growers dispense with for little money and the past week found plenty left after the buyers departed from the markets. The changeable weather showed its effect mostly on sweet peas. There are plenty coming in but of poor quality. The few good ones are eagerly purchased by first class buyers. Asters are very abundant. Easter lilies are again putting in an appearance. L. lancifolium is quite plentiful and is bringing a fair price. A few outdoor carnations are brought to market and are sold to early buyers. Among the roses, Kaiserin, Carnot and Wellesley still hold the lead, yet they are nothing alarming. Bride, Bridesmaid and Liberty are very small and of poor quality. American Beauty is still scarce, the retailers relying on outside sources to meet the demand.

For the weekly exhibition of the Massachusetts Horticultural Society July 21, there was a special exhibit of sweet peas. The weather being perfect the exhibitors displayed some fine blooms. Among those most admired were Dorothy Eckford, American Queen, Helen Pierce, Lady Hamilton, Miss Willmott and King Edward VII. O. B. Kenrick, of Belmont, a schoolboy just starting in the trade, displayed some fine blooms, taking a prize in each class in which he competed. There was also an exhibition of other flowers and plants from the private gardens of the suburbs.

Among those who started on their vacations July 28 are Manger Jas. H. McManus, Thos. Welch and Miss Lyons of Galvin's; T. F. McAndrews, of Houghton & Clark's; Seymour Grose, of Carbone's, and Dell Cartwright, of the Waban Rose Conservatories. Frank T. White and wife are spending two weeks at Lake Ossipee.

We regret to announce the death of the youngest daughter of D. Robinson, of Everett, which occurred July 25.

Visitors: Thomas Knight representing Julius Roehrs, of Rutherford, N. J.; Daniel McRorie, representing the W. A. Manda Co., of So. Orange, N. J.; Mrs. Geo. Knoch, of Detroit, Mich., who is making an extended tour of the eastern states.

B.

WORCESTER, MASS.—Secretary Adin A. Hixon of the County Horticultural Society is at Story's tavern, Lake Winnipesaukee, Weirs, N. H., with Mrs. Hixon for a few weeks' vacation.

Baltimore.

MARKET VERY SLOW.

Trade the past week has been very druggy and at the end much stock was lost. Great quantities of outside material are being received, especially Cochet roses, the earlier asters, phlox, etc. Roses are improving in quality, but the requirements of the market cannot begin to absorb the large shipments.

NOTES.

The new house at Govanstown of Stevenson Bros., 30 x 173 feet, is completed, planted and the roses have all been once tied up, and it is a model of modern construction and neat arrangement. There are four beds, all of grafted Bridesmaid. The beds show a marked departure from the generally accepted plan. They are only six inches deep, without artificial drainage, and were put down on the natural soil, which was not even disturbed. A good many growers would hesitate at adopting such an innovation as this, but these young men are observant, intelligent and alert, and may be depended upon to know what they are about. The house which is from the latest plans of Lord & Burnham has the glass laid the 24-inch way, with iron posts, and is about as light and airy as any structure can be for plant production.

Clarence Ritter, who was connected with The Fernery, on North Charles street, has left that establishment and rejoined his father, J. A. Ritter, a few blocks further north on the same street. A little later, it is understood, they will open a new store farther downtown.

Frank C. Bauer, of Govanstown, is thoroughly overhauling his pansies this year, but instead of adding new houses is building a commodious and neat front addition to his dwelling to accommodate the regularly increasing number of its inmates.

Attention is being directed toward the Dayton meeting, and it seems probable that the trade here will be more largely represented than it has been for several years past at these meetings.

S. B.

Buffalo.

BUSINESS SLOW.

Continued warm weather which is ideal for those on their vacations is what we are having, while some are bewailing their luck and wishing for rain which is very badly needed at present. Some rain Sunday and Sunday night has done a little good but not nearly what we must have. Sweet peas and asters are suffering and gladioli are not as large as they should be. Funeral work is helping business but there is nothing outside of that.

NOTES.

S. A. Anderson and wife and family leave this week for a vacation on the shores of Lake Erie, Port Maitland being the place.

E. L. McGrath, manager for Breitenstein and Flemm, Pittsburg, Pa., was a caller enroute to Niagara Falls and Toronto.

Edward Slattery, superintendent for W. J. Palmer, is making active preparations for his trip to Milwaukee.

W. H. Greves, of W. J. Palmer & Sons, has returned from a vacation at Crystal Beach.

W. J. Palmer and family are now in Muskoka.

BISON.

Montreal.

STREET VENDORS ARE BUSY.

Business is almost at a standstill at present, the flower buying public being at the seaside or in the country, and the only business done is practically all funeral work mostly smaller pieces being asked for. The market in cut flowers is readily cleared at low prices by the street vendor. There seems to be no limit to his selling powers. He sells on the street, in the park, he invades excursion boats and trains, he jumps the trolley car, and does business at Sunday amusement places. I heard a very prominent grower say he is a nuisance in a greenhouse but he leaves always a lot of cash behind him. Outdoor stock has been suffering of late for want of rain, specially carnations in the field in light ground have made little growth. Early asters have made their appearance and are promising well. Of the late ones it is too soon to speak, depending a good deal on the work of the aster bug. Sweet peas are good but those out of the reach of the hose are suffering badly.

NOTES.

At the last meeting of the Gardeners' and Florists' Club quite a few members signified their intention to attend the convention of the Canadian Horticultural Association to be held August 29 and 30 in Guelph, Ont. The official programme is out and promises to be an interesting and instructive convention.

Joseph Bennett is rebuilding two of his old houses into up-to-date ones.

LUCK.

We Are Headquarters for **PRINCESS VIOLET STOCK**

The **Princess of Wales** is still the leader of all single violets. There is no other variety on the market that can compare with it as a commercial violet, because it blooms from Sept. 15th to May 1st; every bloom is marketable. It has size, it has color, it has length of stem. It has fragrance. It sells when any other variety, single or double, cannot be given away. The people want it.

So great is my confidence in this violet that the following Autumn I will devote 80,000 feet of glass to the growing of this variety. I have about 200,000 nice young divisions now ready to ship at the following prices:

$2.00 per 100. $15.00 per 1000. 500 at 1000 rates. Lots of 5000 at $14.00 per 1000. Lots of 10,000 at $13.00 per 1000.

WILLIAM SIM, Largest Grower of Violets in America, **Cliftondale, Mass.**

ORDER YOUR VIOLET STOCK NOW.

ROSE PLANTS,

Per 100
1500 Bridesmaid, 1500 Bride, 3-in. pots.....$6.00
1000 Liberty, 3-in. pots..... 6.00
1000 Liberty, 2¼-in. pots..... 5.00

STRONG, CLEAN PLANTS, FREE FROM MILDEW.

THE LEO NIESSEN COMPANY, 1217 ARCH ST., PHILADELPHIA, PA.

ASTERS—GLADIOLI—BEAUTIES

FIELD CARNATION PLANTS, Enchantress, Lawson and Queen Louise, very fine, $5.00 per 100.

PITTSBURG FLORISTS' EXCHANGE, Pittsburg, Pa.

VALLEY

Special Prices Made on Yearly Contracts.

RIBBONS AND FLORISTS' SUPPLIES.

Samuel S. Pennock, THE WHOLESALE FLORIST, PHILADELPHIA.

Grafted and Own Root ROSE PLANTS For Immediate Delivery.

Bride, Bridesmaid, Liberty, Wellesley, Richmond and Killarney. Write for samples and prices.

W. H. ELLIOTT, - - Brighton, Mass.

THE

J. M. McCullough's Sons Co.

Wholesale Commission Florists.

CONSIGNMENTS SOLICITED.

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES, SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

Please mention the American Florist when writing.

H. G. BERNING,

Wholesale Florist

1402 Pine St., ST. LOUIS, MO.

Please mention the American Florist when writing.

C. A. KUEHN,

Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

Please mention the American Florist when writing.

ROSES AND CARNATIONS

Pittsburg's Largest and Oldest Wholesalers.

PITTSBURG CUT FLOWER CO., Ltd.

504 Liberty Ave., PITTSBURG, PA.

Please mention the American Florist when writing.

Holton & Hunkel Co.

Wholesale Florists

Milwaukee, Wis.

Please mention the American Florist when writing.

Wholesale Flower Markets

PHILADELPHIA, Aug. 1.

Roses, Tea	3.00@ .400
" " extra	6 00@ 8.00
" Liberty	4.00@15.00
" Queen of Edgely, extra	16.00@25.00
" " " firsts	12 00@15 00
" Beauty, extra	16.00@25 00
" " firsts	12.00@15.00
Carnations	1.00@ 3.00
Lily of the valley	2 00@ 4.00
Asparagus, bunch	25 00@50.00
Smilax	20 00@25.00
Adiantum	.75@ 1 50
Cattleyas	.50@ .60
Gardenias	8 00@10.00
Sweet peas	.40@ .50
Auratum lilies	16 00
Gladiolus	3.00@ 5.00

BOSTON, Aug. 1.

Roses, Beauty, best	12 00@25.00
" " medium	8.00@12.00
" " culls	1.00@ 4.00
" Bride, Bridesmaid	2.00@ 4.00
" Extra	6.00@ 8.00
" Liberty	6.00@25.00
Carnations	1.00@ 2.00
" Fancy	2.00@ 3.00
Lily of the valley	2.00@ 4.00
Smilax	8.00@12 00
Adiantum	.50@ 1 00
Asparagus	35 00@50 00
Sweet peas	.25@ .75
Pond lilies	2 00@ 4.00

BUFFALO, Aug. 1.

Roses, Beauty	5 00@25.00
" Bride, Bridesmaid, Meteor	3.00@ 8.00
Carnations	.75@ 2.50
Lily of the valley	3.00@ 4.00
Asparagus, strings	40.00@50.00
Smilax	15.00
Adiantum	.75@ 1.50
Lilies	3 00@15.00
Peas	.15@ .25
Water lilies	3.00@ 5.00
Gladiolus	1.00@ 3 00
Asters	.50@ 2.00

THE ART OF

Floral..... Arrangement.

The first special newspaper in the world for floral arrangement.

250 ILLUSTRATIONS ANNUALLY.

Specimen number free. Subscription, $2.40 yearly.

BINDEKUNST-VERLAG, J. Olbertz, ERFURT, GERMANY.

Please mention the American Florist when writing

NOW READY

To fill orders for **American Beauties, Lily of the Valley, Carnations** and all varieties of **Tea Roses** in lots of one hundred to one thousand at short notice Get our prices before ordering elsewhere.

WELCH BROTHERS,

15 Province St., BOSTON, MASS.

Please mention the American Florist when writing.

J. B. MURDOCH & CO.

WHOLESALE FLORISTS,

FLORISTS' SUPPLIES.

545 Liberty Ave., PITTSBURG, PA.

Please mention the American Florist when writing.

Field-grown Carnation Plants. GOOD CLEAN STOCK. WRITE FOR PRICES.

ABSOLUTELY THE BEST POSSIBLE SERVICE.

W. E. McKissick

WHOLESALE FLORIST.

Business Hours 7 a.m. to 6 p.m. 1221 Filbert Street, PHILADELPHIA, PA.

Please mention the American Florist when writing.

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

Nephrolepis Whitmani

2¼-inch, $25.00 100,

Boston Ferns 2¼-in. $3.00 per 100.

Henry H. Barrows & Sons, WHITMAN, MASS.

New York.

STOCK DIFFICULT TO MOVE.

This week sees the end of the first half of the dull season, and a retrospective view of the market would seem to warrant the assertion that business for the period commencing July 1 has in the aggregate been no worse than in previous years. Summer conditions are always hard, whether the experience is that of the grower, wholesaler or retailer. With a curtailed demand from consuming sources little tone to the market could be expected, and with the ordinary clean-out channels closed for the time being the resources of the commission men are taxed to the utmost as far as a general movement of stock is concerned. Roses are in plentiful supply, but quality improves slowly, and inferior stock continues to form the bulk of arrivals. Really good stock goes off without pushing, but the quantity of this grade arriving is small and barely enough to meet demands. Good white roses are rather short in supply. Several of the growers shipping to this market declare that Bride roses are not yielding as good crops as formerly and many talk of the abandonment of this variety. What they will fill in with is a matter of conjecture, as the market in pink roses is rather overdone and it is beyond reason that the supply of roses of this color is to be increased. American Beauty roses in the special grades are not over plentiful, but arrivals seem to meet the existing demand and probably will bring prices no lower than present quotations for the rest of the dull season. Carnations are in fair supply, but the quality of arrivals is very poor and the blooms are in many cases from stock which should be thrown out. Lily of the valley is plentiful but very sluggish in movement. Quotations on this product run to the limit, much stock going at minimum prices for funeral work, which seems to make the best outlet for it at this time. Lilies are a fairly good thing, and move well on account of a short supply. Calla lilies are in unusually good supply for the time of year and are taken quite freely. Gladiolus is flooding the market, the products of some large acreages reaching the market and passing at prices as low as 40 cents per 100 on unselected stock. Asters have been on the glut side, but for the present seem to be at bottom with a price of 25 cents per 100 for lower grades. Cosmos and bouvardia are among the pre-season offerings seen in the market and meet ready purchases. Dahlias are coming in regularly, but the influx is confined to the coarser and earlier sorts and prices realized are hardly worth mentioning. Sweet peas are near the end, although such as arrive in good condition unaffected by the recent weather go off pretty well.

THE MARKET, August 1.—The market is very slow today, avalanches of asters arriving and really good stock going off at 2 cents per bunch.

NOTES.

Chrysanthemum enthusiasts will regret to learn that there is to be no chrysanthemum show this year in this city, at least nothing approaching the shows of recent years. Aside from the fact that the Macy hall in Herald square cannot again be rented, the American Institute, which has conducted the shows, finds itself, owing to a drain on its funds to keep up certain of its real estate investments, financially unable to run a show this year except on a small scale and in its own rooms at the Berkeley lyceum. The season is too far advanced probably to allow of any other organized body to take up the project, but something in the way of local shows should be possible. The local Florists' Club has had the exhibition question before it for consideration several times within the past few months, but nothing has come out of its deliberations. The idea has been mooted in the trade that a successful chrysanthemum show could be held in one of the thickly populated residential districts—Harlem for instance. This would be taking the show to the people who are largely interested in flowers and who it is thought could be relied upon for a goodly sum in the way of paid admissions. There are many who believe that a downtown show could never be a financial success owing to the multitude of counter attractions running in the same section.

Arverne, the Long Island seashore resort, is to have a carnival of flowers August 25. Cottagers, hotel keepers and business men have formed an association to assure the success of the project, and committees are hard at work effecting arrangements. Cedarhurst, Far Rockaway, Bayswater, and Wave Crest will all unite in the effort made to promote a successful affair. A. Warendorff is a member of the committee appointed to arrange details for a night carnival.

The rumor which has been current for some time that a syndicate was seeking to lease the large store in the Coogan building, corner of Twenty-sixth street and Sixth avenue, with a view to running a retail flower business on a cheap plan with expected prestige from the fact that two flower markets are established in the building, has been disposed of through the leasing of the store to R. H. Ingersoll Co., of cheap watch fame. The rumor was substantial in fact, but the owner of the building refused to prejudice the interests of his other florist tenants.

Wernz & Koehne is the name of a new firm which has taken over the florists' business of C. S. Christianson, of 67 E. Tenth street. Mr. Wernz was associated with Mr. Christianson for a number of years, and Robert Koehne is well known in the trade as having been in charge of the cut-flower department of Bloomingdale Bros. for some time.

J. F. McConnell, L. M. Noe's salesmanager, has left for the Berkshire hills on his annual vacation. Geo. Sallford is taking a vacation among the Thousand Isles, as also is W. C. Mansfield, the florist of Eighty-first street and Lexington avenue. Michael Ford, of Ford Bros., is passing a few days in Pennsylvania.

Wm. H. Donohoe, the Twenty-ninth street and Fifth avenue florist, is taking advantage of the dull season to rearrange the appointment of his store. He has just installed a handsome refrigerator in a prominent part of the store, which will add to his show effect and increase his storage capacity.

Chas. G. Nix, of Crawley, Sussex; Eng., chairman of the fruit committee of the Royal Horticultural Society of Great Britain, has been spending two weeks in this city, the guest of Jas. Wood, president of the Horticultural Society of New York, who resides at Mt. Kisco.

Andrew Wilson, Summit, N. J., had the floral work for the Manley funeral at Summit this week. In addition to several pieces he furnished a very handsome casket cover of white roses with a sash of lily of the valley.

Mr. Nash of Moore, Hentz & Nash had arranged to start this week on a well earned vacation, but received news of the very serious illness of his married son in Denver, Col., and was obliged to abandon his plans.

The New York Cut Flower Co.'s quarters in the Coogan building have been renovated throughout and are light and attractive once more.

In last week's notes the departure for Europe of Henry Bullman was announced. The item should have read Henry Bantelman.

H. E. Froment is receiving daily a lot of extra fine asters, some of them over two feet long in stem and having grand flower heads.

James Coyle, manager for Horace E. Froment, has returned from a two weeks' trip to the New Jersey coast.

Phil. F. Kessler is handling some very fine white bouvardia, long in stem and extra large florets.

John Krall, Mr. Nash's lieutenant, is enjoying a vacation in Westchester county.

L. B. Craw, of Lord & Burnham, left on Saturday for a Massachusetts shore resort.

Jas. McManus is back from an enjoyable trip to Denver.

VICTORY
GUTTMAN & WEBER,
43 West 28th Street,
NEW YORK.
STRONG, FIELD-GROWN PLANTS NOW READY.
$15.00 per 100; $125.00 per 1000; 250 at 1000 rate.
DISCOUNT FOR CASH WITH ORDER.

HORACE E. FROMENT, Wholesale, Commission,
Successor to William Chormley.
Orchids, Roses, Carnations, Valley, Lilies, Etc.
57 West 28th Street, NEW YORK CITY.
Telephones 2200 and 2201 Madison Square.

The Reliable Commission House.
JOS. S. FENRICH
110 W. 28th St., NEW YORK.
Open daily at 6 a. m.
Bell Telephone,
324-325 Madison Square.
RICHMOND ROSES RECEIVED DAILY.

Choice Carnations. Selected Roses.
Traendly & Schenck
NEW YORK CITY,
44 W. 28th Street, Cut Flower Exchange.
New Telephone No. 798 & 799 Madison Sq.
Please mention the American Florist when writing

CARNATIONS
MY SPECIALTY
Consignments Solicited. Prompt Payments
Established 1891.
Alfred H. Langjahr, 55 W. 28th St., NEW YORK.
Telephone 3924 Madison Square.
Please mention the American Florist when writing.

Original Pioneer House—Established 1871.
JAMES HART
103 W. 28th St., NEW YORK.
Wholesale and Commission
Consignments solicited. Shipping orders promptly attended to. 'Phone 626 Madison.
Please mention the American Florist when writing.

FORD BROS.
Receivers and Shippers of
Fresh Flowers
48 West 28th St. NEW YORK.
Telephone 3870-3871 Madison Sq.
Please mention the American Florist when writing.

ROSES.
1000 Richmond, 3-in., $8.00 per 100; $70.00 per 1000
1000 Maids, 4-in..... 5.00 per 100; 45.00 per 1000
400 Killarney, 3-in..... $8 00 per 100
300 Perles, 3-in..... 4,00 per 100
CHARLES H. TOTTY, Madison, N. J.
Please mention the American Florist when writing

N. Y. Cut Flower Exchange
Coogan Bldg., 6th Ave. & W. 26th St., New York.
Open for Cut Flower Sales at 6 o'clock Every Morning.
Desirable Wall Space to Rent for Advertising.
V. S. DORVAL, JR., Secretary.

The Best Way to Collect an Account
is to place it with the
NATIONAL FLORISTS' BOARD OF TRADE,
56 Pine St., New York.
Why? Because many debtors will pay the Board, fearing otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.

The American Florist Company's
DIRECTORY
Contains the names and addresses of all the Florists, Seedsmen and Nurserymen in the United States and Canada. Price $2.00.
AMERICAN FLORIST CO.,
324 Dearborn Street. Chicago, U. S. A.

Wholesale Flower Markets

NEW YORK, Aug. 1.

Roses, Beauty best	10 00@25.00
" " medium	6.00@10.00
" " culls	1.00@ 4.00
" Liberty, best	4.00@10 00
" " culls	1.00@ 4.00
" Bride, Bridesmaid, G. Gate	.50@ 4.00
" Kaiserin, Carnot	1.00@ 6.00
Carnations	.50@ 1.00
" fancy and novelties	1.50@ 2.00
Lily of the valley	.50@ 3.00
Lilies	6 00@ 8.00
Smilax	6.00@ 8.00
Adiantum	.50@ .75
Asparagus	20.00@50.00
Sweet peas....per doz. bu.	.12@ .25

Thomas Young
WHOLESALE FLORIST.
43 West 28th St., NEW YORK.

Alex. J. Guttman
The Wholesale Florist of
NEW YORK.
Phone 1664-1665 Mad, Sq. 43 W. 28th Street.

Moore, Hentz & Nash,
Wholesale Commission Florists,
55 and 57 West 26th Street,
Telephone No. 756 Madison Square. New York.

N. Lecakes & Co.
53 W. 28th St., NEW YORK.
Tel. No. 1214 Madison Square
Stands at Cut Flower Exchange, Coogan Bldg., W. 26th Street & 34th Street Cut Flower Market. SPECIALTIES: Galax Leaves, Ferns and Leucothoe Sprays, Holly, Princess Pine and all kinds of Evergreens.
Green and Bronze Galax Leaves, $1.00 per 1000.

A. J. FELLOURIS,
J. J. Fellouris, Manager.
Wholesale and Retail Dealer in all kines of
EVERGREENS,
Fancy and Dagger Ferns. Bronze and Green Galax.
Telephone, 2675 Madison Square.
52 West 28th Street, NEW YORK.

George Cotsonas & Co.
Wholesale and Retail Dealers in all kinds of
Evergreens.
Fancy and Dagger Ferns, Bronze and Green Galax.
Phone 1202 Mad. Sq.
Main Store, 50 W. 28th St., NEW YORK.

—FLOWERS SHIPPED BY—
JOHN I. RAYNOR
Are the best product of the best growers for the New York Market.
Adiantum Croweanum sold here exclusively.
49 W. 28th St., NEW YORK.
Tel. 1998 Madison Square.
Please mention the American Florist when writing

Walter F. Sheridan,
WHOLESALE FLORIST,
Telephone 902 Madison Square.
39 West 28th St., NEW YORK.
Please mention the American Florist when writing.

J. Seligman. Joseph J. Levy
John Seligman & Co.
WHOLESALE FLORISTS
56 West 26th Street, NEW YORK.
OPPOSITE N. Y. CUT FLOWER CO.
Everything in Cut Flowers. Consignments from growers solicited. Prompt returns. Best prices. Satisfaction guaranteed. Tel. 4878 Madison.
Please mention the American Florist when writing.

PHIL. F. KESSLER
Wholesale Commission Florist
Telephones { 2921 / 5243 } Madison Square.
55 WEST 28th STREET,
Consignments solicited. Prompt payments. New York.

A. M. HENSHAW
Wholesale Commission Florist.
Consignments of first-class stock solicited. Out of town orders carefully and promptly filled.
Telephone 5583 Madison.
52 W. 28th St., NEW YORK
Please mention the American Florist when writing.

Receivers and Shippers of Cut Flowers.
Consignments Solicited.
A. L. YOUNG & CO. Wholesale Florists . .
54 West 28th Street.
Telephone 3559 Madison Sq. NEW YORK.

THE KERVAN COMPANY,
20 West 27th St., NEW YORK.
Wholesale dealers in fresh cut Palmetto and Cycas Palm leaves, Galax, Leucothoe, Ferns, Mosses and all Decorating Evergreens.

J. K. ALLEN.
Wholesale Commission Florist.
106 West 28th St., NEW YORK CITY.
Open every day at 6:00 A.M. Tel. 167 Madison Sq.

IT IS NOT...
what you pay for the advertisement but what the advertisement pays you. It pays to advertise in the American Florist.

CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

DETROIT.

JOHN BREITMEYER'S SONS

Cor. MIAMI and GRATIOT AVES.

DETROIT, MICH.

...Artistic Designs...

High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

Please mention the American Florist when writing.

MILWAUKEE.

C. C. Pollworth Co.

MILWAUKEE, WIS.

Will take proper care of your orders in WISCONSIN.

INDIANAPOLIS.

Bertermann Bros. Co.

FLORISTS

241 Massachusetts Ave., INDIANAPOLIS, IND.

ST. LOUIS.

Fred. C. Weber,

FLORIST,

4320-4328 Olive St., ST. LOUIS, MO.

Established 1873. Bell, Lindell 676.

DENVER.

The Park ...Floral Co.

J. A. VALENTINE, President. DENVER, COLO.

OMAHA.

HESS & SWOBODA,

Florists,

1415 Farnam Street, Phone 1501 and L. 1582. OMAHA, NEB

DENVER.

FLORAL DESIGNS AND FLOWERS.

Best Quality on Shortest Notice.

DANIELS & FISHER, DENVER, COLO.

Order by mail, telephone, telegraph or cable. Cable address: "Daniels Denver."

New Orleans

CUT FLOWERS

For Tourists and General Trade.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, 838 CANAL ST.

LONDON PARIS BERLIN

A. Lange

Prompt Attention to STEAMSHIP ORDERS.

Main Address 40 East Madison Street, Heyworth Bldg. ...CHICAGO.

Agents in all Leading European Cities.

GUDE BROS. CO. FflorisTS 1214 F ST. N.W. WASHINGTON, D.C.

WASHINGTON, D. C.

Gude's.

CHICAGO.

P. J. HAUSWIRTH

Auditorium Annex,

CHICAGO.

Mail, telegraph or telephone orders filled promptly in best style.

Please mention the American Florist when writing.

BUFFALO.

Palmer's

Buffalo, N. Y.

W. J. Palmer & Son, 304 Main St

WASHINGTON.

GEO. H. COOKE,

FLORIST

Connecticut Avenue and L Street, WASHINGTON, D. C.

Please mention the American Florist when writing

KANSAS CITY.

Samuel Murray

...FLORIST...

Coates House Conservatory

1017 Broadway, KANSAS CITY, MO.

Both 'Phones 2670 Main.

Write, Telephone or Telegraph. All orders given prompt attention.

KANSAS CITY.

GEO. M. KELLOGG,

906 Grand Avenue,

KANSAS CITY and PLEASANT HILL, MO.

Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

ATLANTA.

ATLANTA FLORAL CO.

41 Peachtree Street, ATLANTA, GEORGIA.

NEW YORK.

W. H. Donohoe,

2 WEST 29th STREET,

Formerly of Young's. Tel. 3034 Madison Sq. NEW YORK.

Orders from the trade, for theatre, steamship or otherwise, filled in first-class style, at wholesale prices. TRY ME.

BROOKLYN, N. Y. NEW YORK.

Robert G. Wilson,

BROOKLYN, N. Y., Fulton St. and Greene Ave. NEW YORK, 48 W. 30th St.

Trade orders from all parts of the country filled for delivery at residence, steamer, hotel or theatre, on wholesale basis. Satisfaction guaranteed. Wire or telephone.

ALBANY, N. Y.

EYRES

Flowers or Design Work.

DELIVERED IN ALBANY AND VICINITY ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

ST. PAUL.

HOLM & OLSON,

ST. PAUL.

THE LEADING FLORISTS OF THE NORTHWEST

Orders will be well cared for anywhere in Minnesota and the Dakotas

GALVESTON.

Mrs. M. A. Hansen,

—FLORIST—

Galveston, Texas.

Special attention given to Telegraph or Telephone Orders. 'Phone 1912.

JACKSONVILLE.

MILLS THE FLORIST,

38 W. Forsyth Street,

JACKSONVILLE, FLA.

WASHINGTON.

Mayberry & Hoover

Florists and Decorators

1339 Fourteenth St., Northwest

Telephone North 508. WASHINGTON, D. C.

SHIPPING LABELS FOR ...Cut Flowers

Printed in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Very attractive. Price per 500, $2.85; per 1000, $4.50. Send for samples.

ELECTRO OF THE LEAF, POSTPAID, $1.25.

American Florist Co., CHICAGO.

ROSES and CARNATIONS.

We are Headquarters for Roses, Carnations, Beauties and Valley. Write for special quotations.

A. L. RANDALL CO., 19-21 Randolph St., CHICAGO.

The Cleveland Cut Flower Company,

WHOLESALE CUT FLOWERS, FLORISTS' SUPPLIES, WIRE DESIGNS.

215 Huron Road, CLEVELAND, OHIO.

Cut Flowers or Designs

Will be delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

NEW YORK.

Alexander McConnell

IN NEW QUARTERS.

546 Fifth Avenue, Windsor Arcade, NEW YORK CITY

TELEGRAPH orders forwarded to any part of the United States, Canada and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive our prompt attention.

Telephone Calls: 340 and 341 38th Street.
Cable Address: ALEXCONNELL.
WESTERN UNION CODE.

Please mention the American Florist when writing.

LOUISVILLE.

Jacob Schulz,

644 Fourth Ave., LOUISVILLE, KY.

CUT FLOWERS of Best Quality in Season Delivered Promptly to Any Address.

Write, Telegraph or Telephone
Cumberland and Home Phones 223 and 984.
Please mention the American Florist when writing.

Steamship Sailings.

WEEK ENDING AUGUST 11.

Aug. 7, Prinz Adalbert, N. Y.-Genoa.
Aug. 7, Ivernia, Boston-Liverpool.
Aug. 7, Saxonia, Liverpool-Boston.
Aug. 7, Kaiser Wilhelm der Grosse, New York-Bremen.
Aug. 7, Kaiser Wilhelm II, Brem.-N.Y.
Aug. 7, Lazio, Genoa-New York.
Aug. 8, Majestic, New York-Liverpool.
Aug. 8, Teutonic, Liverpool-New York.
Aug. 8, Westernland, Liverpool-Phila.
Aug. 8, Noordam, New Y.-Rotterdam.
Aug. 9, Tunisian, Montreal-Liverpool.
Aug. 9, Ionian, Liverpool-Montreal.
Aug. 9, La Lorraine, New York-Havre.
Aug. 9, Southwark, Liverp'l-Montreal.
Aug. 9, C. F. Tietgen, N. Y.-Copenha'n.
Aug. 9, United States, Copenhagen-N.Y.
Aug. 9, Bluecher, New York-Hamburg.
Aug. 9, Friederich der Grosse, N.Y.-Br.
Aug. 10, Celtic, New York-Liverpool.
Aug. 10, Cedric, Liverpool-New York.
Aug. 10, Empress of Ireland, Mon.-Liv.
Aug. 10, Empress of Britain, Liv.-Mon.
Aug. 11, Pomeranian, London-Montreal.
Aug. 11, Columbia, New York-Glasgow.
Aug. 11, Caledonia, Glasgow-New York.
Aug. 11, Italia, Naples-New York.
Aug. 11, Philadelphia, N. Y.-Southamp'n.
Aug. 11, New York, Southampton-N. Y.
Aug. 11, Umbria, New York-Liverpool.
Aug. 11, Etruria, Liverpool-New York.
Aug. 11, La Touraine, Havre-New York.
Aug. 11, Ottawa, Montreal-Liverpool.
Aug. 11, Graf Waldersee, N. Y.-Hamb'g.
Aug. 11, Batavia, Hamburg-New York.
Aug. 11, Ryndam, Rotterdam-New York.
Aug. 11, Konigin Luise, New Y.-Genoa.
Aug. 11, Bremen, Bremen-New York.
Aug. 11, Zeeland, New York-Antwerp.
Aug. 11, Vaderland, Antwerp-New York.

GRAFTED ROSES.

Extra Fine Plants, Free from Mildew.

KILLARNEY, 3½-in. pots.....$18.00 per 100
LIBERTY, KAISERIN, MAIDS, WOOTTON, 3½-in. pots, 15.00 per 100

OWN ROOT ROSES.

RICHMOND, PERLES, 3-in. pots.....$8.00 per 100
BRIDES, MAIDS, GOLDEN GATES, KAISERIN, LIBERTY, WOOTTON, 3-in. pots..... 6.00 per 100

SMILAX, Very fine, 2½-in. pots, $1.50 per 100.

J. L. DILLON, Bloomsburg, Pa.

70,000 Carnations,

Bushy, low-topped plants, grown on high ground, perfectly clean and healthy.

Lawson, Enchantress, largest size...per 100, $6.00
Boston Market, Norway, Hill, Lord..per 100, 5 00
Lawson, good, bushy plants.....per 100, $5 00
Gov. Wolcott, Estelle.....per 100, 6.00
Thousand rates, $45.00 and $55.00.

ROSES. CLEARANCE PRICES. ROSES.

Strong, clean, 3-inch stock. Don't miss this. It means money for you. Bride, Maid, Meteor, **Richmond,** Chatenay, $3.00 per 100. Bride, Maid, Richmond, 2½-in., $2.00 per 100.

SMILAX, extra large, 3-in., twice cut back, $4.00 per 100. 2½-in., $2.50. Early strings from this stock.

W. H. GULLETT & SONS, Lincoln, Ill.

SPECIAL
CLEARING SALE
Of strictly first-class stock only

GERANIUMS Short and strong plants from 2½-inch pots $1.50 per 100; $14.00 per 1000. Varieties: Beaute Poitevine, Mrs. E. G. Hill, S. A. Nutt, Mme. Buchner (white).

SMILAX Fine young plants from 2-inch pots, ready to plant, $1.00 per 100; $9.00 per 1000.

ASPARAGUS PLUMOSUS NANUS, from 2¼-inch pots, $2.00 per 100. Cash.

The W. T. BUCKLEY COMPANY,
Springfield, Ill.

SPECIALTIES.

ROSES from 3-inch pots. **CHRYSANTHEMUMS.**
CARNATIONS, for fall delivery. **SMILAX. VIOLETS.**
IN BEST VARIETIES.
Prices low. Send for list.

WOOD BROTHERS, Fishkill, N. Y.

It is good business policy to mention
The....
AMERICAN FLORIST
When you write to an advertiser

ROSES.

Special price to close them out.

475 **Ivory,** 4-in.....$5 00 per 100
300 **Bride,** 4-in..... 5.00 per 100
50 **Maid,** 4-in..... 5.00 per 100
115 **Ivory,** 3½-in..... 4.00 per 100
50 **Uncle John,** 3½-in..... 4.00 per 100
60 **Golden Gate,** 3½ in..... 4.00 per 100

These plants are all No. 1 stock, just right to plant now, but we have no use for them: will take $40.00 for the lot.

200 **California Violets,** 3½-in.....$4.00 per 100
Christmas Peppers, 3½-in..... 4.00 per 100
Cut Gladioli, light colors..... 4.00 per 100

ASPARAGUS SPRENGERI

Cut Sprays, any quantity, $1.00 to $3 00 per 100. **Heavy plants from bench,** $5.00 per 100; $40.00 per 1000. 2½-inch, $3.00 per 100; $25.00 per 1000.

ASPARAGUS PLUMOSUS

2½-inch, $3.50 per 100; $30.00 per 1000.

CARNATIONS

Field grown. Orders taken now for August delivery.

J. W. DUNFORD, Clayton, Mo.

Queen Beatrice Rose.

Four to one shot. Four times as many flowers as Maid.

F. H. KRAMER, 916 F St., WASHINGTON, D. C.

The Seed Trade.

American Seed Trade Association.
H. W. Wood, Richmond, Va., Pres.; C. S. Burge, Toledo, O., First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas. Twenty-fifth annual convention at New York, 1907

VISITED CHICAGO: H. M. Wall, lithographer, New York.

THE S. S. Bermudian arrived at New York July 27 with a cargo of lily bulbs.

CONNECTICUT reports sweet corn looking well, but the acreage of evergreen not large.

THE onion set harvest is now on with full force of help among all the Chicago growers. With the exception of one severe rain storm the weather has been favorable.

A MEETING of the creditors of the L. E. Archias Seed Co., in bankruptcy, will be held at Joplin, Mo., August 6. It is expected that 10 per cent dividend may be paid.

M. L. MCDONALD, of the firm of Henry Field, Shenandoah, Ia., will soon enter the Iowa State College at Ames for special training along the line of seed breeding.

DES MOINES, IA.—The Iowa Seed Co. has just broken ground for the erection of six new greenhouses 180 feet long, for the growing of carnations. This will give them complete about 50,000 feet of glass.

DUTCH growers claim tulip crops are only medium and of double varieties the crop is poor. A shortage seems certain and prices are advancing every day. Some named hyacinths, on account of continued disease and poor weather this year, are hard to get.

BISMARCK, N. D.—Oscar H. Will and family have just returned from a seven-weeks' visit to Boston, Mass., and Syracuse, N. Y. Geo. F. Will has returned from Harvard, having graduated with honors. Crops of all kinds in this section are good. Onion sets will be harvested about August 15.

PORTSMOUTH, R. I.—State Representative Henry C. Anthony, the well known seed grower and dealer of this place, has the sympathy of the trade in the loss by drowning of his son Joseph C. Anthony, age 25, the latter's wife, age 24, and daughter, age 4, July 22, in Narragansett bay. The young man was giving his family an outing. Mr. Anthony's infant daughter, who was also taken on the little excursion, was saved in a very remarkable way. It appears that Mr. and Mrs. Anthony did not remove her from her baby carriage when they took her aboard the boat, and the carriage was found floating, supported by two oars which had in some way got caught in the wheels of the vehicle. The baby was not even wet. Mr. Anthony was a prosperous young farmer.

JOHN F. BARTER, the well known English mushroom grower and maker of spawn, is the author of a new book entitled "Mushrooms and How to Grow Them." The book contains some 44 pages, with 10 excellent illustrations, including a portrait of the author, and the subject is covered concisely and in the direct terms of one who thoroughly understands it. Slightly more than three pages are devoted to a description of mushroom culture in the Paris quarries.

5,400 ACRES OF GARDEN SEEDS IN CULTIVATION.
Braslan Seed Growers Co.
WHOLESALE SEED GROWERS.
SAN JOSE, CALIFORNIA.

Boston.

Maurice Fould is now business manager for the W. W. Rawson & Co. who

A. J. Pieters.

are now preparing for the fall trade at their new store, No. 5 Union street.

The local dealers have just received their first shipments of Bermuda lilies, freesia and oxalis, and are shipping all early orders.

After four years' absence James H. Cheyne is again located with the Schlegel & Fottler Co. as a traveling salesman.

John Fottler is spending a number of days in Jackson, N. H., on a fishing trip.

B.

A. J. Pieters.

A story has been told of a certain premier of England, when visited by a delegation of nonconformists who were not well pleased with the attitude which the church of England had assumed toward them. The premier, it is said, told them in reply to their complaints, that he didn't care a dash for the church of England, but added, "I am for it because it exists." That was doubtless a very worldly view, but there is point in his remarks to the extent that any institution which has grown and flourished cannot be ignored.

The free distribution of seeds to farmers by the United States government, from a very small beginning, in the early years of the republic, has increased until now the work is allotted to a separate bureau of the Department of Agriculture. Personally, the writer has always been, and is now, opposed to this particular form of paternalism. The seeds may be good, but there seems to be no good reason why the government should give them away. Futhermore, with the annual seed distribution there always comes, from newspaper offices, a crop of wretchedly poor jokes, supposed to be at the expense of everybody connected with free seed distribution. Laying aside the question of propriety involved in congressional seed distribution, it is satisfactory to reflect that if this work must be done it is done in the careful, systematic and businesslike manner. A. J. Pieters, who has for a number of years been at the head of this branch of the government service, is a trained botanist who knows all about seeds. A gentleman of taste and culture, he is deservedly popular with those who have been so fortunate as to make his acquaintance. The following brief sketch of his career should therefore interest readers of this journal:

Mr. Pieters, after graduating from the University of Michigan in 1894, spent the greater part of one year at Cornell University, studying horticulture under Professor Bailey, and accepted an appointment in the seed laboratory of the Department of Agriculture in the spring of 1895. During the next seven years he was connected with the laboratory as seed expert and also in making tests of the germination of seeds and the investigation of the conditions controlling the germination of seeds. The results of his work have appeared from time to time in the publications of the department, especially in the yearbooks and the farmers' bulletins. After the death of G. H. Hicks in 1898, Mr. Pieters was placed in full charge of the seed laboratory and in 1902 was appointed chief of the office of seed and plant introduction and distribution. In this office were combined the work of the congressional distribution of seed and the section of foreign seed and plant introduction.

In handling the congressional seed distribution it has been his aim to improve the character of the distribution itself by securing seeds of good quality and at the same time to conduct the work so as to do as little injury to the seed trade as practicable. To this end his policy has been to purchase, as far as possible, whatever surplus seeds were left in the hands of seedsmen and growers rather than to make contracts for the growing of seed, realizing that the contracts for growing seeds would be very likely to give rise to increased surpluses whereas the purchase of surpluses on hand would tend to relieve the market of one serious cause of depressed prices. Mr. Pieters will leave the department in August to engage in the business of seed growing in California. His location will be announced to the trade in due time and he expects to call upon members of the seed trade during the coming winter. Mr. Pieters proposes to pay especial attention to the growing of stocks of high quality and will aim at this rather than the production of large quantity of seed.

S. E.

European Seed Crops.

Sluis & Groot, of Enkhuizen, Holland, have issued the following report, dated July:

Last autumn, and the latter part of the summer, when various biennials were sown or planted, the weather was very dry; consequently many plants have developed poorly. This applies specially to cabbages, swedes, beets and mangels so that in general the plantations are considerably smaller than last year. The mild winter was favorable to the crops and only a few plants have been killed, so that not many sorts will fail entirely. Generally speaking, crops, owing to exceptionally cold weather in the spring, are somewhat backward.

Cauliflower.—Stand fairly good.

White, red and savoy cabbage, brussels sprouts and borecole.—Very small plantations and generally middling stands, a part even considerably under middling.

Turnip.—Exceptionally small acreage, stand fairly good.

Swedes.—Very small plantation, with poor prospects of crop.

Kohlrabi.—Little sown; stand fairish.

Mangel, sugar beet and beet.—Fairly good.

Carrot.—As a whole they promise a fair crop; stand rather thin.

Parsnip and scorzonera.—Very good, not much planted.

Corn salad.—Excellent crop.

Radish, summer.—Suffered considerably from insects, so that a considerable acreage was lost; what was left is fairly good.

Radish, winter.—Not much planted; stand pretty promising.

Onion.—Small plantations; stand good.

Garlic bulbs.—Good.

Parsley and celeriac.—Middling stand.

Borage.—Looks good but rather late.

Chervil.—Average crop, but considerable acreage was lost; curled almost total failure.

Spinach.—Promises an average crop.

Cucumbers.—Pretty good.

Peas.—Generally very good.

Dwarf and runner beans.—Promise a middling crop although rather late owing to very cold weather in the spring.

English beans.—Excellent crop.

FLOWER SEEDS.

Prospects of the growing crops are not so favorable as last year being somewhat backward, owing to the cold weather we had in May. We expect, however, if the weather continues favorable, that the crop as a whole will be still an average one.

Antirrhinum.—Excellent.

Calliopsis.—Looks good, small plantation.

Campanula.—Owing to the dry weather of last autumn most plants remained too small and consequently did not run to seed. Very small crop in several sorts.

Candytuft.—Middling crop.

Centaurea.—Very good stand; not much sown.

Convolvulus.—Stand very good.

Dianthus.—Looks very promising.

Escholtzia.—Very good.

Gypsophila.—Good.

Helichrysum.—Looks promising until now.

Lobelia.—Stand fair.

Mignonette.—Average crop, rather thin.

Mimulus.—Excellent crop.

Myosotis.—Fairly good.

Nasturtium.—Very fairly good.

Nemophila.—Good.

Pansies.—Average crop, small plantations.

Papaver.—Good crop.

Petunia.—Fairly good, rather late.

Phlox.—Average crop.

Rhodanthe.—Pretty good.

Stocks, Ten-week.—Rather late.

Stocks, Virginian.—Little sown; stand very good as yet.

Sweet peas.—Little sown; looks good.

Verbena.—Very good.

Wallflower.—As campanula; crop apparently under middling.

PANSY SEED.

Brown's extra Select superb giant prize Pansies awarded silver medal St. Louis Exposition, 1904. My own grown, new, 1906 crop, ready.

PRICE MIXED SEED:

3,000 seeds	$ 1.00
¼ oz.	1.50
½ oz.	2.50
1 oz.	5.00
¼ lb.	14.00
½ lb.	25.00
1 lb.	50.00

Cash with order.

PETER BROWN,
LANCASTER, PA,

It is good business policy to mention the *American Florist* .....when writing to an advertiser.

SOME VIEWS OF THE 1905 CANARY SEED CROP OF THE BRASLAN SEED GROWERS COMPANY, SAN JOSE, CAL.

THE BENGUET FORCING LILY

(Lilium Philippinensis.)

The **NAGTAGAN GARDENS CO.** book orders now for October shipment. **The only cultivated bulbs offered in the Philippines.** Properly ripened **wild** bulbs are never available for shipment before December—too late for Easter trade. Bulbs of ⅝ inches diameter will flower. We issue none that caliper less than ¾. Endures long transit perfectly.

PRICES: ¾ to 1 inch, **$45.00**; 1¼ to 1½ inches, **$55.00**; 1¾ inches and over, **$100.00** per 1000. f. o. b. Manila. **TERMS:** Cash on completion and delivery of bill of lading to any designated bank in Manila. Our references: The International Banking Corporation.

Make drafts payable to H. P. WHITMARSH, and address correspondence to

NAGTAGAN GARDENS CO., Manila, P. I.

N. B.—Mail samples, prepaid, of the three sizes will be supplied respectively at **$2.00, $3.00** and **$5.00** per dozen.

ROSES ROSES ROSES

We have the following in 2½ and 3-inch rose pots: American Beauties, Richmond, Brides, Maids, Meteor, Ivory, Golden Gate, Perle des Jardins, Chatenay, Souv. de Wootton, Aug. Vic. Kaiserin. Write for prices.

FERNS.

Boston, Piersoni, Scottii, Barrowsii, Elegantissima.

Order now for Summer.

Smilax, Cinerarias, Cyclamen, Celestial Peppers, Ficus, Gloxinias, Tuberous Rooted Begonias, Fancy Leaved Caladiums, Rex and other Begonias.

Write for Price List.

GEO. A. KUHL, Pekin, Ill.

Wholesale Grower for the Trade.

CARNATIONS.

	Per 100	Per 1000
Lady Bountiful	$6.00	$55.00
Glacier	5.00	45.00
Pink Lawson	5.00	40.00
Enchantress	6.00	50.00
Flamingo	6.00	50.00
The President	6.00	50.00
Dorothy Whitney	6.00	50.00
Eclipse	6.00	50.00
Fred Burki	6.00	50.00
Fiancee	6.00	50.00

ELI CROSS, Grand Rapids, Mich.

Nephrolepis Scottii.

Small plants from the benches, $5.00 per 100; $50.00 per 1000. Plants large enough for 6-inch pots, $25.00 per 100. Plants large enough to go in 7 and 8-inch pots, $50.00 per 100.

Asparagus Plumosus Nanus, 2¼-inch, fine plants, $3.00 per 100.

JOHN SCOTT,

Rutland Road and East 45th Street, **BROOKLYN, N Y.**

Telephone 2890 Bedford.

ABUNDANCE!

Healthy stock, field-grown plants, 1st size, $12 per 100; $100.00 per 1000; 2nd size, $10 per 100; $75 per 1000; 250 at 1000 rates. Delivery 15th of August. Cash with order.

Abundance is an easy lifter, takes hold quickly and makes good sized stems on first crop.

Freesia Purity bulbs all sold out clean.

RUDOLPH FISCHER,

GREAT NECK, L. I., N. Y.

AM. BEAUTY Remnant of Surplus Stock.

3 and 3½ in., $20.00 per 1000. Beauty plants dropped some leaves. Worth more, but desire quick sale. These Beauty plants a money maker for some one to pot for holidays. Unless known, cash with order.

Bridesmaid, 3½-inch, 3½c; fine plants.

BRANT & NOE FLORAL CO.

W. Peterson and N. 48th Aves., CHICAGO.

DAHLIAS.

Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring

DAVID HERBERT & SON,

Successors to L. K. Peacock, Inc., ATCO, N. J.

CARNATIONS.

Strong, Healthy, Field-Grown Plants.

	Per 100	Per 1000
Lawson	$5.00	$40.00
Nelson	4.00	30.00
Guardian Angel	4.00	30.00
Nelson Fisher	7.00	60.00
Enchantress	7.00	60 00
Mrs. Patten	6.00	50.00
Morning Glory	$4.00	$30.00
Boston Market	5.00	40.00
Lady Bountiful	6.00	50.00
Flora Hill	4.00	30 00
Estelle	5.00	40.00

ROSE PLANTS.

Fine, Strong Plants, from 2½-inch Pots.

	Per 100	Per 1000
RICHMOND	$5.00	$40.00
" 3-in	6.00	50.00
Kaiserin, 3-in	4.00	35.00
Am. Beauty	6.00	50.00
" " 3-in	7.00	60.00
Liberty	$3.00	$25.00
Sunrise	5.00	40.00
Chatenay	4.00	35.00
Ivory	2.50	22.50
Perle	4.00	35.00

PETER REINBERG,

51 Wabash Avenue, CHICAGO.

CARNATIONS

	Per 100
500 Queen Louise, field-grown	$4.00
SMILAX, $9.00 per 1000	1.00
ASP. PLUMOSUS, 2½-in. pots, Aug. 15	2.00
CINERARIAS, Sept. 1	2.00
PANSY SEED, large, flowering, per oz	4.00

PRIMROSES

	Per 100
Chinese, 2¼-in., ready Aug. 15	$2.00
Obconica Rosea and Alba, ready Aug. 15.	2.00
Forbesi, fine for cut flowers	2.00
PAPER WHITE NARCISSUS, 13 ctm., Sept.	1.25

——CASH PLEASE.——

JOS. H. CUNNINGHAM, Delaware, Ohio.

O. K. ORCHIDS

A large shipment of **CATTLEYA TRIANAE** just arrived in splendid condition. This **Cattleya** is the most valuable of all, because it blooms at **Christmas** time when flowers are expensive. In original cases, write for prices: cheaper in large quantities. We expect our **SCHROEDERIANA** and **GIGAS** in from four to six weeks. Cash or satisfactory New York references required.

JOHN De BUCK,

Collector of Orchids,

P. O. Box 78, COLLEGE POINT, L. I., N. Y.

Please mention the American Florist when writing.

ROSES, Grahams and Maids

Large plants, strongly branched, will give immediate returns, 3-inch, ready for planting or shift, $5.00 per 100; $45.00 per 1000.

BEST NAMED BEGONIA REX,

2½-inch, $5.00 per 100.

NATHAN SMITH & SON,

Adrian, Mich.

Please mention the American Florist when writing

THE

CHRYSANTHEMUM

MANUAL.

By Elmer D. Smith.

PRICE 25 CENTS.

Cash with order.

American Florist Co.,

324 Dearborn St., CHICAGO.

ASPARAGUS Plumosus Nanus

from flats, $6 00 per 1000 large 3-in. **Plumosus Nanus,** $18.00 per 1000. Cash with order, prepaid. **Sprengeri,** from flats, $6.00 per 1000. The **Royal Palms of Cuba,** $2.00 per 1000.

YALAHA CONSERVATORIES,

YALAHA, LAKE CO., FLA.

Please mention the American Florist when writing.

Now Ready
CALLAS

Well Cured and Free from Rot.

	Per 100	1000
1¼-1½-in.	$5.00	$45.00
1½-2-in.	7.00	65.00

Larger Sizes Due Soon.

FREESIAS.

Bermuda Grown.

Choice, ⅜ to ½-in....per 100, $ .85; per 1000, $7.50

California Grown.

	Per 100	1000
Choice, ½ to ¾-in.	$ .65	$5.00
First Quality, ⅜ to ½ in.	.45	3.00

Vaughan's Star-Shaped White.

This is a pure white variety with narrow petals and star-shaped flowers borne on long stems. It is a decided improvement over the ordinary Freesia and well worthy of a trial. Per 100, $1.50; per 1000, $12.00

French Bulbs Due Next Week.

VAUGHAN'S SEED STORE,

CHICAGO, 84-86 Randolph St. — **NEW YORK,** 14 Barclay St.

Cyclamen

SEED.

	100 Seeds	1000 Seeds
Snow flaked, new, giant flowered	$1.00	$7.00
Dark red, bright red, brilliant pink, white with red eye, pure white, large flowering, lilac colors	.65	4.00
Salmon pink	1.00	6.00
Fringed varieties, all colors, mixed	.75	5.00

The above seeds are from our own cultivation and are of the best giganteum type, and are unexcelled for strong, compact habits of growth and elegant form of their gigantic flowers.

The seed we offer is of the very best quality only, and this year's crop. Terms cash.

My cyclamen awarded first prize (silver state medal) and two diplomas at the Thuringian Horticultural Exposition last year.

GEO. HUBER, Cyclamen Grower,
GOTHA, GERMANY.

OFFERED FOR SALE
AT REASONABLE PRICES.

Paeonia Chinensis, Festiva Maxima, Duchesse de Nemours, Queen Victoria, Mons. Chas. Leveque, Eugene Verdier, Meisonnier, etc.
Narcissus, Double von Sion, Golden Spur.
Spiraeas, Gladstone, Superbe.
Hyacinths, Tulips and all kinds of Dutch Bulbs and Plants.

Prices on Application.

L. VAN LEEUWEN & SON,
WHOLESALE BULB GROWERS,
Sassenheim, Holland.

Coronation Pansy Seed

The best strain ever produced.
Mailed free, $2 per ounce.

The BEDFORDSHIRE SEED CO., Ltd.
SANDY, ENGLAND.

PLANT NOW. LILIUM HARRISII FOR EARLY FORCING.

We offer some extra choice Lilium Harrisii which has been grown for us from the original, pure stock. This is the kind of stock that you want for the very earliest forcing, as it is the true, original Harrisii. The small sizes, 5-7s and 6-7s are particularly desirable for this purpose, as they will flower more quickly than the larger bulbs. If you want to get a little of the original, pure Harrisii, try a case or two of this. As our stock of this is limited, we can offer only a few cases to a single buyer. If you have been dissatisfied with the Harrisii that you have forced heretofore, try a case or two of this, and see if it is not more than worth the difference in price over the stock that you have been buying. In ordering, ask for the pure selected strain of original Harrisii, which we offer as follows:

5 to **7**-inch bulbs, 400 to the case	per case,	**$17.00**
6 to **7**-inch bulbs, 350 to the case	per case,	**17.50**
7 to **9**-inch bulbs, 200 to the case	per case,	**18.00**
9 to **11**-inch bulbs, 100 to the case	per case,	**18.00**

EASTER COMES EARLY NEXT YEAR—MARCH 31—and a great many growers will want to use Harrisii instead of Longiflorum so as to be sure to have the plants in flower in time, as the season is going to be short for Japan Longiflorum. The crop of Harrisii this year is the shortest it has been in years, and in view of the extra demand, we advise those who have not already covered their requirements to lose no time in doing so.

For very earliest forcing—Christmas and later—we recommend the pure Harrisii offered above, but for later forcing, for Easter, our customers will find the regular stock offered below first-class stock—much better than the average stock usually offered. We can quote the regular stock as follows:

6 to **7**-inch bulbs, 350 to the case	per case,	**$14.00**
7 to **9**-inch bulbs, 200 to the case	per case,	**15.00**
9 to **11**-inch bulbs, 100 to the case	per case,	**15.00**

FREESIA REFRACTA ALBA, the true white variety. Now ready. Finest Bermuda-grown stock, $1.00 per 100; $7.50 per 1000.
BERMUDA BUTTERCUP OXALIS, $1.00 per 100; $7.50 per 100.

F. R. PIERSON CO.

Tarrytown-on-Hudson, New York.

C. C. MORSE & CO.

SEED GROWERS.

171-173 Clay Street, : SAN FSANCISCO, CAL.

OUR SPECIALTIES: Onion, Lettuce, Sweet Peas; also Carrot, Celery Celeriac, Cucumber, Endive, Leek, Mustard, Parsley, Parsnip, Radish, Salsify, Spinach, Tomato and Flower Seeds.

Growers for the Trade on Contract.

Warehouses: at SANTA CLARA.
Farms and Farm Headquarters: CARNADERO, near GILROY.

Registered Cable Address: "Morseed," San Francisco.

HOME GROWN FREESIA BULBS

CHOICE, PURE WHITE STRAIN. A profitable crop to grow.

Large size bulbs	**$1.00** per 100;	**$7.00** per 1000.
Good blooming size	**.75** per 100;	**4.50** per 1000.
Small blooming size	**.50** per 100;	**3.50** per 1000.

NEW CROP STOKES' STANDARD PANSY SEED

Unexcelled for Size of Bloom, Texture, Rich and Varied Markings.

Trade Pkt. (2000 seeds), 50c; 5000 seeds, $1.00; per oz., $5.00; ¼ lb., $14.00; ½ lb., $25.00.

STOKES' SEED STORE,

(WALTER P. STOKES, of the late firm of Johnson & Stokes.)
219 Market Street, .·. PHILADELPHIA, PA.

Please mention the American Florist when writing.

WHEN BUYING # MUSHROOM SPAWN **Buy the Best You Can Get.**

We Grow Mushrooms. We are headquarters for **"PURE CULTURE" SPAWN** and importers of **ENGLISH MUSHROOM SPAWN.**
Write us and we will send you free of charge valuable information on the subject.
Fresh Supply of Spawn Every Month.

KNUD GUNDESTRUP & CO., MUSHROOM SPECIALISTS.
4273 Milwaukee Ave., CHICAGO.

PACIFIC SEED GROWERS' CO.

411-415 SANSOME STREET
SAN FRANCISCO, CAL.
Specialties:
Onion, Carrot, Lettuce, Sweet Peas

The Nursery Trade

American Association of Nurserymen.
Orlando Harrison, Berlin, Md., President; J. W Hill, Des Moines, Ia., Vice-President; George C. Seager, Rochester N. Y., Sec'y.
Thirty-second annual convention, Detroit, Mich., June, 1907.

H. S. CHASE, of the Alabama Nurseries, Huntsville, Ala., is on a business trip through the west.
Seed.

LOUISVILLE, KY.—The Kentucky Nursery Co has filed a charter, capital stock being $30,000, divided into shares of $100 each. The limit of debt is $5,000. The incorporators are F. Boone Gardiner, 215 shares; M. L. Gardiner, 10 shares, and R. L. Cullen, 75 shares.

BUCKATUNA, MISS.—The incorporation of the Southern Floral Nursery Co. was completed July 14 by the election of officers and directors, as follows: J. B. Bridge, president; L. H. Read, vice-president and general manager, and Alex. B. Brown, secretary and treasurer. The same gentlemen constitute the board of directors. This firm claims to have already booked 15 per cent more orders for cannas than their entire sales for the past year.

Herbaceous Plant Notes.

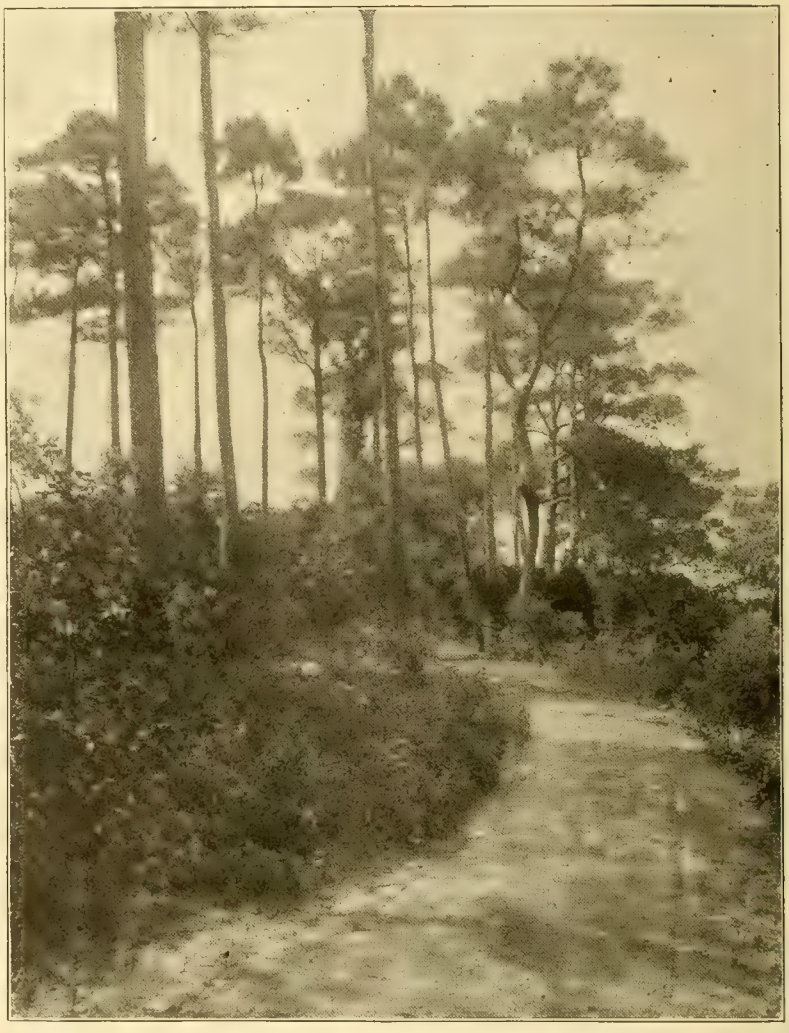
Silene acaulis (moss pink) forms a dense, compact, mossy cushion over the ground. The leaves are linear, less than a half inch long and closely set along the prostrate, interweaving stems. The flowers are freely produced, slightly above the mosslike mass of green. In color they are of a very bright deep pink, one-half inch in diameter and they continue to open out in succession from June to August. It is a most beautiful little plant, only two inches high and succeeds most anywhere in fairly good garden soil, when not overshadowed or crowded by larger growing plants. In low, moist places the plants should be grown on ridges, elevated above the level, because moisture settling among the dense growth causes decay of leaves and stems in the heart of the plant. The same trouble may follow where plants are covered in winter with litter, manure or straw, which packs down closer and closer after each snowfall and thus allows of no circulation of air to dry up moisture gathering in the mossy cushion; evergreen branches or a very thin layer of long straw material should be used for this purpose where protection is thought necessary.

Silene Elizabethæ is another rare gem among the silenes. The flowers are considerable larger than those of S. acaulis and they are produced in terminal, branched panicles, 8 to 12 inches high, produced freely during June and July. The size of the individual florets reaches one and a half inches and they are of a fine shiny rose color. The leaves are lanceolate, two to three inches long, shorter and narrower along the stems. Propagation is by careful division and after flowering or by young cuttings taken with a heel in early spring. An open situation should be provided for the plants, allowing free access of air and sun. As to soil they are not very fastidious, providing they have enough moisture to live on in dry weather.

Silene maritima, fl. pl., is a prostrate, very free flowering perennial with loosely branching flower stems spreading over the ground and small silvery grey, oblong painted leaves. The flowers are pure white, large, an inch or more in diameter, compactly double and the plant is continuously in bloom from June to September. It does well wherever we plant it, but is best suited for the rockery, the numerous flower stems forming a net work over the stones. It does not divide readily, but can be increased by cuttings of young growths in spring. Shoots springing from the base or root stock of the old plant root nicely at any time during the growing season under ordinary care.

Silene alpestris is another dwarf ground covering species with short, broadly lanceolate, but rather small foliage and ascending simple flower stems, bearing a loosely arranged small panicle of glistening white flowers from one half to three-quarters of an inch in diameter. It begins to bloom in May, but is still covered with flowers and will usually last in perfection until the end of August. The plant rarely exceeds six inches in height and is compact and neat in appearance.

Calimeris incisa (Aster incisus) is one of our best early flowering asters, forming always a compact mass of stems, branched almost down to the ground. The height is rarely over 18 inches. The rays of the flowers are pale bluish lilac, large and produced in great abundance during July and August. It is easily grown in any open, airy situation, always a pretty object in a border and also useful for cutting.



ON THE JAMESTOWN EXPOSITION GROUNDS.
A Lover's Lane scene.

TREES AND SHRUBS.
We make especially low prices on **Nursery Stock** to Parks, Cemeteries, etc. Wholesale price-list on application. We carry immense quantities of the finest named varieties of
PEONIES.
PETERSON NURSERY 503 W. Peterson Ave. CHICAGO, ILL.

NOTICE.
Address communications for the **CALIFORNIA ROSE COMPANY** to **POMONA, CAL.** This is 30 miles from Los Angeles. We have three railroads, Western Union and Postal telegraph, and telephone to nursery.
Extremely Fine Stock to Offer this Year
Pay you to have your name on our mailing list.
CALIFORNIA ROSE CO.,
POMONA, CAL.,
Wholesale Growers Field Roses on own Roots

Coreopsis verticillata, a very showy summer flowering perennial with deep bright golden yellow flowers, one and a half inches across, produced freely all summer with long, erect stems. The plant forms an upright bush about one and a half to two feet high. The stems are wiry, much branched and subdivided, each division being capped with a flower. The leaves are divided and lacerated into narrow linear segments. It is a fine plant for the border in any kind of ordinary garden soil and excellent for cutting purposes.

Heracleum giganteum (villosum), a gigantic plant, is ornamental in any stage of growth and a grand object when planted by itself in a lawn where it will form a symmetrical specimen. The flower stem rises from the mass of foliage to a height of 8 to 12 feet bearing numerous immense umbels of white flowers. The leaves are pinnatifidly divided and deeply incised and cut, and are from three to four feet long. It requires a good rich soil and an abundance of water to grow a perfect specimen. An occasional dose of liquid manure will greatly assist in developing a perfectly shaped plant.

J. B. K.

PAEONIES.

Over 100 named kinds including a collection of Japanese varieties, Officinalis, in 4 kinds, besides a selection of favored kinds in all colors, from early to late for cutting in succession. Prices very low for good stock, true to name and description. A grower of over 40 years' experience, **Send for list.**

F. A. BALLER, Bloomington, Ill.

Metairie Ridge Nursery Co.

H. PAPWORTH, President.
NEW ORLEANS, LA.
SPECIAL OFFER OF
LATANIA BORBONICA and RUBBER PLANTS.
Grand young stock from 4-inch pots.
Write for prices on large lots.

LARGE TREES.

OAKS and MAPLES.
PINES and HEMLOCKS.
ANDORRA NURSERIES,
Wm. Warner Harper, Prop.
Chestnut Hill, PHILA, PA.

PEONIES

Queen Victoria (Whitleyii), per 100....$ 9.00
Festiva Maxima, per 100..... 30.00
Fragrans (the bloom producer) per 100. 6.00
For 1000 rates and other varieties, write
GILBERT H. WILD, Sarcoxie, Mo.

Just to hand, fine importation of
Bay Trees, Box Trees
Standards and Pyramids.
Euonymus, Evergreens.
New price list on application.
JULIUS ROEHRS CO. Importers, Rutherford, N. J.

The Storrs & Harrison Co.

PAINESVILLE NURSERIES.
CATALOGUES AND PRICE LISTS FREE ON APPLICATION.
PAINESVILLE, OHIO.

Send to **THE MOON** Company
For Your { Trees, Shrubs, Vines and Small Fruits.
Descriptive Illustrated Catalogue Free
THE WM. H. MOON CO.,
Morrisville, Pa.

O. and C. Roses Are the cheapest because they are the best. We have in stock over 1 000 varieties on own roots including all the New European and American varieties of merit, as well as all the old varieties. All sizes from 2½-inch pots up. We can also offer 40 of the leading and newest varieties of Cannas including Mont Blanc, also miscellaneous lists of Plants and Shrubbery, at prices that will make it worth your while to send us your lists for quotations before buying elsewhere. Send for a copy of Our New Guide to Rose Culture, for 1906, a handsome book of 116 pages. Free for the asking.
The DINGEE & CONARD CO., West Grove, Pa.
Established 1850. 70 Greenhouses.

Jacs Smits, Ltd. NAARDEN, (Holland.)
GROWERS OF
Rhododendrons, Azaleas, pot grown Shrubs for forcing, Lily of the Valley, Spiræa, Paeonias, Roses, Climbing Plants, good varieties of Conifers and all ornamental stock.
Personal Inspection Cordially Invited.
R. R. Depot, NAARDEN-BUSSUM, near Amsterdam.
Price list free on demand.

ROSES

Strong Plants.			On Own Roots.	
2½-in. pots.	100	1000	4-in. pots.	100
Cr. Rambler	$2.50	$20	Baby Rambler	$20
Wood. LaFrance	2.50	20	Crimson and Yellow	
Meteor, G. Gate.	2.50	20	Rambler	6
Notting	2 50	20	Charta, Masson	7
Diesbach, Laing	3.00	25	Diesbach, Wood	7
Masson, Caprice	3.00	25	Neyron, Laing	8

105 best sorts for fall 1906 and spring 1907.
THE LEEDLE FLORAL COMPANY, SPRINGFIELD-OHIO.

ROSE PLANTS.

On own roots, 2½-inch pots, many 7, 8 and 10 inches high. Divide your order and compare our stock with others.

$2.00 per 100; $15.00 per 1000.

Crimson Rambler, Vick's Caprice, De Brabant, Ivory, Malmaison, Phila. Rambler, Meteor, Marechal Neil, Helen Gould, Mme. Masson

$2.00 per 100; $20.00 per 1000.

Genl. Jacq, Mme. Chas. Wood, Magna Charta.

C. M. NIUFFER,
SPRINGFIELD, : OHIO.

Please mention the American Florist when writing

PAEONIAS For Fall Delivery.

We are booking orders **NOW** from a large and well-assorted stock, carefully selected from hundreds of varieties tested. All have bloomed with us, and we guarantee them true to name. Send for special list, with prices.

—We are headquarters also for—
ROSES, CLEMATIS, AMPELOPSIS and HYDRANGEAS.
Use printed stationery. We sell at wholesale only.
JACKSON & PERKINS CO., Newark, Wayne County, New York.

HIBISCUS SYRIACUS MEEHANII

WE now offer to the trade our new hardy variegated leaf Hibiscus Syriacus Meehanii. This plant attracted much attention when exhibited at the American Nurserymen's Convention at West Baden, Ind., and American Florists' Exhibition at Asheville, N. C. Foliage beautifully variegated; never sun-scalds or reverts to the green; flowers single, very large, satiny lavender; blooms during four months; prices on application. Orders booked now.

P. J. BERCKMANS CO., Inc., Fruitland Nurseries, AUGUSTA, GA.

Order Peony Plants Now

Complete list ready for distribution. Ship September 1. Stock guaranteed true. IT MEANS SOMETHING to carry away a SILVER CUP and NINE FIRST PRIZES out of twelve awarded at the Exhibition of the American Peony Society. That is what we did.

PETERSON NURSERY,
Lincoln and Peterson Avenues, CHICAGO, ILL.

Palms, Ferns, Etc.

WHOLESALE PRICE LIST.

	In.	Tiers.	Ea.	Doz.	100
Adiantum Capillus	5			$2.00	
" **Gracillimum**	4			1.25	$10.00
Araucaria Excelsa	4	2 to 3	$0.35	4.00	
" "	5	3	.75	9.00	
" "	6	3 to 4	1.00	12.00	
Areca Lutescens	5		.50	5.00	
Asparagus Plumosus	2				3.00
"	3				6.00
Asparagus Sprengeri	2				3.00
" "	3				6.00
" "	4			1.50	
" "	5			2.00	

Asparagus Scandens Deflexus, a beautiful green for wedding and funeral work, 3-in. pots at $1.50 per doz.; 4-in. pots at $2.00 per doz.

Bay Trees, small standards, 12-inch heads, $5.00 per pair.

Bay Trees, pyramids, 5 feet high, $15.00 per pair.

Boston Ferns, 6-inch pots, $6.00 per doz.; 7-inch pots, $9.00 per doz.

Cocos, for dishes, 2½-inch, $1.50 to $1.75 per doz.

Cocos Bonetti, large specimens, $40.00 each.

Crytomium Falcatum, fine plants, 35c and 50c each

Dracaena Fragrans, 5-inch pots, 50c each; $5.00 per doz.

Dracaena Fragrans, 6-inch pots, 75c each; $9.00 per doz.

Dracaena Indivisa. We have a very large stock of fine plants, just the kind you need for the centers of vases, 2-inch pots, $2.50 per 100; 6-inch pots, 20 to 26 inches high, 50c each; $5.00 per doz.; 7-inch pots, 30 to 34 inches high, 75c each; $9.00 per doz.

Dracaena Massangeana, 8-inch pots, $2.00 each. " " 9-inch pots, $3.00 each.

Dracaena Terminalis, 4-inch pots, 25c each; $3.00 per doz.; 5-inch pots, 35c each; $4.20 per doz.

Fern Balls, 7 to 9. Dormant or in leaf, $4.20 per doz.

Honeysuckle Vines, 4-inch pots, $8.00 per 100.

	In.	Each	Doz.
Kentia Belmoreana	3		$ 2.00
" "	4		3.60
" "	5	$0.60	7.20
" "	6 xx	1.25	15.00
" "	7	2.50	30.00
Kentia Forsteriana	5	.60	7.20
" "	6	1.25	15.00
" "	7	2.00	24.00

Maranta Lietzii, 2¼-in., $1.00 per doz.

Pandanus Veitchii, 7-in., $2.00 ea.; $24.00 per doz.

" **Utiles,** 3-in. ..... per doz., $1.50
" " 4-in. ..... per doz., 3.00
" " 5-in. ..... per doz., 5.00

Phoenix Canariensis, 2-in. ..... per doz., 1.00
" " 5-in. ..... per doz., 5.00
fine bushy plants, just the thing for vases, lawn decoration, etc., 10-in. pots, $3.00 each. Large specimens, $25.00 to $30.00 each.

Phoenix Reclinata, 3½-in. ..... per doz., $2.00
" " 4-in. ..... per doz., 3.00
" " 6-in., 50c each; per doz., 6.00
" " 7-in., 75c each.

Sansevieria Jav. Var., 4-inch at $2.00 per doz.

Scottii Ferns, 10-in. pots, $2.00 each.

Selaginella Denticulata, 3-in., per doz., $1.00.

The Geo. Wittbold Co.

1657 BUCKINGHAM PLACE, CHICAGO.

PRIMROSES!!

Chinese, mixed, 2-inch, 2c.; **Obconica,** Grand Fimbriata, Alba, Rosea, Lilac, Carmine, $2.00 per 100. **Obconica,** Double and Sanguienia, $3.00 per 100. **Geraniums,** Viaud, Bernandian, Hill, etc., 2¼-in., $1.50 per 100. **Christmas Peppers,** 2½-inch, 2c. **'Mums,** Mrs. Tranter, 2-in., 2c. **Jerusalem Cherries,** 2½-inch, $2.00 per 100.

FERNS from bench, Boston and Piersoni, 4-inch, 10c.; 5-inch, 12½c. Tarrytown, 4-inch, 15c.; 5 inch, 25c.; Scottii, 3-in., 8c.; 4-inch, 12½c.

BYER BROTHERS

CHAMBERSBURG, PA.

GOV. HERRICK THE COMING VIOLET

One that produces three times as many flowers as any violet ever offered for sale. It will please you. Order at once. Prices: $2.00 per doz.; $10.00 per 100; $75.00 per 1000; 5,000 or more at $60.00 per 1000. Send for description today.

H. R. CARLTON. Willoughby, O.
INTRODUCER and ORIGINATOR.

E. F. WINTERSON CO.

45-47-49 Wabash Ave., CHICAGO.

We are now receiving Fancy Long Stem Asters, all colors; also Gladioli, Auratum Lilies, Sweet Peas, Roses, American Beauties.

Our Carnations are the best on the market, and are fine for this season of the year.

Fancy Valley and all Greens always on hand.

ALL CUT FLOWERS IN SEASON.

"Leading Florists' Supply House of the West."

BEGONIA "Gloire de Lorraine" and "Turnford Hall"

NOW READY FOR DELIVERY.

Propagated strictly from **Single Leaf;** this method gives much better results than from cuttings.

$15.00.....per 100. **$140.00**.....per 1000.
4-inch pots. **$40.00** per 100.

ADIANTUM FARLEYENSE.

Fine specimens, **$18.00** to **$24.00** per doz. 1¾-inch pots, **$8.00** per 100. 2½ inch pots, **$15.00** per 100.

PANDANUS VEITCHII.

50c, $1.00, $1.50 and **$2.50** each. Good value guaranteed.

Cash with order from unknown correspondents.

J. A. PETERSON,

McHenry Avenue, WESTWOOD, CINCINNATI, OHIO

LUDVIG MOSBAEK,

ONARGA, ILL.

100,000 Asparagus Pl. Nana and **Sprengeri,** very strong and fine plants, ready for shift, 4-in., $10.00; 3-in., $5.00; 2¼-in., $2.50 per 100; 2¼-in., $20.00 per full 1000. Seedlings, $10.00 per 1000.

40,000 Ferns, in var.: **Anna Foster, Boston, Piersoni** and **Sword Fern** (Exaltata), very fine, pot grown, ready for shift, 6-inch, $30.00 per 100; $4.00 per doz.; 4-in., $15.00; 3-in., $8.00.

3,000 Nephrolepis Piersoni Elegantissima, 4-in., $50.00; 3-in., $20.00; 2¼-in., $12.00 per 100.

20,000 Geraniums, stock plants, from field, in standard var., $6.00 per 100, $50.00 per 1000. Will also book orders for R. C. and 2¼-in. plants.

Roses, Brides and Bridesmaids, 3-inch, in fine condition, $5.00 per 100.

New Pansy Seed, Florists' International Mixture, 1 oz., $6.00; ⅛ oz., 75c; Giant Mixture, 1 oz., $4.00; ⅛ oz., 75c.

Please mention the American Florist when writing.

A Few Good Things You Want.

Dracaena Indivisa, 4 and 5-inch, $10.00 and $25.00 per 100.

Asparagus Plumosus, 2-in., $3.00 per 100.

Asparagus Sprengeri, 2-inch, $2.50 per 100.

Geraniums, S. A. Nutt, Castellane, John Doyle, Perkins, Poitevine and Double Gen. Grant, La Favorite Mme Saleroi, 2-in. pots, $2.00; 3-in. pots, $4.00 per 100. Rooted cuttings, $1.00 per 100

Rex Begonia, nice plants, 2 and 2½-inch, $5.00 per 100.

Cash with Order.

GEO. M. EMMANS, NEWTON, N. J.

BARGAINS SMILAX and ASPARAGUS

I need room, and rather than handle the the following stock a second time I offer it at these low prices, please send order in **NOW.**

ASPARAGUS SPRENGERI.

Fine, 2-inch pot stock at $1.50 per 100; $12.50 per 1000.

ASPARAGUS PLUMOSUS.

Fine plants from 2-inch pots at $2.50 per 100; $20.00 per 1000.

ASPARAGUS ROBUSTUS.

Extra strong fine plants; this variety is a great improvement over Plumosus and every grower should try at least a hundred. $3.50 per 100; $30.00 per 1000.

SMILAX.

As good as it can be grown, carefully cut back and with air space around each pot, $1.50 per 100; $12.50 per 1000.

GERANIUMS.

Send for my list of rooted cuttings. I have almost 200,000 stock plants to work from and want your orders for fall delivery.

ALBERT M. HERR, LANCASTER, PA.

Field-Grown CARNATIONS

6000 White Lawson, $6.00 per 100.

5000 Enchantress,	5000 Queen Louise,
1000 Bountiful,	500 The Belle,
5000 Pink Lawson,	300 The Crisis,
1000 Roosevelt,	200 Kichmond Gem,
2000 Harlowarden,	500 Flamingo,
1000 Estelle,	200 F. Burki,
100 Eclipse.	

Finest in land, no stem rot, $5.00 per 100, $45.00 per 1000. Cash with order.

W. Fargo, American, Adams, U. S. Express.

W. SABRANSKY, Kenton, O.

Lilium Harrisii

FOR XMAS FORCING.

Well ripened and carefully graded bulbs.

5 to 7 Inches,

per 100.....**$4.50;** per 1000.....**$40.00.**

VAUGHAN'S SEED STORE,

84-86 Randolph St., CHICAGO. 14 Barclay St., NEW YORK.

Gov. Herrick Violet

We have this stock in No. 1 shape, in 2½-in. pots, all ready for benching, at $10.00 per 100, $80.00 per 1000, as long as they last.

W. A. CALHOUN, 3226 Euclid Ave., EAST CLEVELAND, O.

Vaughan's Seeds TRADE MARK NEW YORK-CHICAGO

Vaughan's Pansies ARE BEST BY TEST...

NEW CROP SEED IS NOW ARRIVING.

10 PER CENT SPECIAL **Cash Discount** On orders over $2.00 for Flower Seeds if the cash is enclosed **10 Per Cent.**

Vaughan's Giant Named Varieties:

	Trade Pkt.	⅛ oz.	Oz.
Giant White, very large, with violet eye	$0.10	$0.20	$1.20
" **Aurora,** pure white without blotches	.10	.20	1 30
" **Adonis,** light blue with a white center, very fine	.10	.20	1.20
" **Auricula Colors,** metallic shades	.10	.20	1.25
" **Black,** large true black	.10	.20	1.25
" **Beaconsfield,** upper petals light lavender, lower ones deep rich purple, almost black	.10	.20	1.20
" **Freya,** deep purple violet, with a white margin	.10	.20	1.30
" **Mme. Perret,** lovely shades of pink and rose	.20	.50	2.00
" **President Carnot,** fine blotched white	.10	.25	1.60
" **President McKinley,** fine blotched yellow	.10	.25	2.00
" **Pink,** lovely shades of pink, same as Hydrangea	.10	.25	2.00
" **Purple,** very large, rich deep purple	.10	.20	1.00
" **Violet Blue,** a very pleasing shade	.10	.20	1.00
" **Striped,** mahogany, striped and flaked white	.10	.20	1.20
" **Parisian Striped,** stripes are broader and louder than the preceding a good seller	.10	.20	1.30
" **Purple King,** a good new sort	.10	.25	1.50

	Trade Pkt.	⅛ oz.	Oz.
Giant Diana, cream color	.10	.25	1.50
" **Atrosanguinea,** blood red	.10.	25	1 50
" **Emperor William,** dark navy blue	.10	.20	1.25
" **Yellow,** immense flowers with dark eye ..4 oz., $4.25	.10	.20	1.25
" **Cassier,** 3 spotted	.10	.20	1.20
" " 5 spotted, an A1 strain	.25	.45	3.00
" **Bugnot,** the flowers are of enormous size, perfectly round, of great substance.	.25	.60	4.50

Giant Bridesmaid. Its ground color is a rosy white, rivaling in delicacy and beauty with the finest apple-blossom. Trade Pkt., 25c; ⅛ oz., 45c; Oz., $2.60.

Giant Psyche. Each flower is elegantly curled and undulated and in every respect a beauty in form and color. Trade Pkt., 25c; ⅛ oz., 70c; Oz., $5.00.

Giant Pretiosa. Each petal is marked with a very large blotch of deep violet color; these blotches are surrounded by a brilliant crimson rose background, and the ground color is margined with a pure white edge. Trade Pkt. (250 seeds) 25c; ⅛ oz., 35c; Oz., $2.50.

BOULOGNE GIANTS. This is a special selection of a French pansy grower; the flowers are of the largest size, of great substance and fine form, and are borne on particularly strong stems. They are mostly 3 and 5 blotched, delicately veined, while the colors are rich and varied. Like all high-bred pansies, they are shy seed bearers Trade Pkt., 50c.

GIANT VOLCANO. Color, bright dark red, each petal being marked with a very large dark blotch. The flowers are of large size and good substance, and the edges of the petals are curled like those of "Masterpiece, from which it is a selection. Trade pkt., 25c.

MARECHAL NIEL. The flowers are very large, without any blotches or veins, and are of the same pleasing, delicate cream color as the rose whose name it bears. Pkt., 10c.

ROSY MORN. A bright purplish crimson margined with a clear white edge. In early spring the color is very deep and rich; as the weather grows warmer, the color gradually turns a pleasing rosy carmine and the silver edge becomes wide. Trade Pkt., 25c; ⅛ oz., 60c.

SIEGFRIED. Of giant size, the flowers are borne on strong stems. They are mostly 5 spotted, with a clear white margin. The colors are of rich brown shades such as are found in the English wall flowers. Trade Pkt., 25c.

Special Mixtures:

VAUGHAN'S INTERNATIONAL PANSIES—The Worlds' Best. This is a combination of as many separate colors, types, blendings and unique kinds as can be found in the world. **It is the best general mixture in existence** and is most widely known and popular. Price per oz., $10.00; ½ oz., $5.00; ⅛ oz. $1.50; trade pkt. 50c.

VAUGHAN'S CUT FLOWER MIXTURE OF PANSY SEED. Especially made from light colored Giant varieties for florists who raise for cut flowers in the house. Trade pkt., 25c; ¼ oz., 80c; Oz., $5.50.

VAUGHAN'S "GIANT PANSY MIXTURE." This mixture includes the richest reds, coppers and bronzes, together with the most delicate rose and pink shadings, all the distinct colors of Trimardeau, the splendid Cassier strain with its delicate veinings. We have spared no expense to secure the newest, richest and finest sorts. Price, ¼ lb., $14.00; oz., $4.00; ⅛ oz., 60c; trade pkt., 25c.

MASTERPIECE—NEW GIANT CURLED. This strain comes nearer to "Double pansies" than anything ever introduced under that name. In reality the number of petals is the same as that in other Pansy flowers, but they are crimped and curled in such a fashion that the flowers appear double The flowers are of enormous size, often 3 inches across and the color variations and combinations are odd and striking. Trade pkt., 50c; ⅛ oz., 75c; ¼ oz., $1.35; oz., $5.00

VAUGHAN'S PREMIUM PANSIES MIXED. Embraces all the varieties of the Fancy German Sorts. Per pkt., 25c; ⅛ oz., 80c; ½ oz., $3.00; oz., $5.50

CHICAGO PARKS BEDDING PANSIES. "Choice mixed," pkt., 10c; ¼ oz., 30c; oz., 75c; 4 oz., $2.50

VAUGHAN'S "ELITE" MIXTURE. This is not a complete mixture like our International; it does not contain any pure white, yellow or any self colors, nor any other of the well known kinds. It is comprised of the cream of four Pansy specialists' choicest and most expensive mixtures and such new and novel kinds as listed above. Trade pkt., 50c; ⅛ oz., $1.00

NEW ORCHID-FLOWERED PANSIES. A most interesting type of Pansies of the Giant Flowered Class, containing a mixture of the most surprising, novel, unique and beautiful color combinations. The upper petals are upright and sort of plaited, which gives the flowers their resemblance to orchids. The colors range in the terra cotta shadings as well as in the flesh orange, rose, pink and lilac. Trade pkt., 250 seeds, 25c.

IMPROVED GERMAN MIXTURE. This is a mixture of three strains from different German growers and is made up mostly of separate colors, with a sufficiently large percentage of white and yellow. Per large pkt., 10c; ⅛ oz., 20c; ¼ oz., 30c; oz., $1.00

VAUGHAN'S SEED STORE,

84 and 86 Randolph Street, CHICAGO. **14 Barclay Street, NEW YORK.**

Orchids!

ARRIVED IN SUPERB CONDITION.

Cattleya Dowiana, C. gigas, C. Mossiæ, C. Percivaliana, C. Speciosissima, C. Eldorado, C. superba, C. labiata, C. Leopoldii, and many more. Write for prices.

Lager & Hurrell, SUMMIT, N. J.

Orchid Growers and Importers.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World.

SANDER, St. Albans, England.

NEW YORK OFFICE: Room 1, 235 Broadway. **T. MELLSTROM** Agent.

Nephrolepis Whitmani

is **THE** fern to grow. Having ordered a large quantity I can fill orders on short notice. Write.

$25.00 per 100; **$200.00** per 1000.

S. S. SKIDELSKY, 824 N 24th St., Philadelphia.

2,000 Nutt Geraniums,

4-inch pots, for stock, 6c.

Also **Double White** and other splendid plants.

2,000 **VINCA VAR.,** 3-in.

JOHN C. URE, 2843 Evanston Ave., CHICAGO

Please mention the American Florist when writing.

CARNATIONS.

Field-grown plants. Ready now. **Prosperity and Genevieve Lord, $6.00 per 100.**

The H. Weber & Sons Co. OAKLAND, MD.

30,000 Fine Field-Grown **CARNATION PLANTS**

The following varieties:

	100	1000		100	1000
Boston Market	$4.00	$30 00	White Cloud	$3.00	$25.00
Enchantress	5.00	40.00	Ine	3 00	25 00
Lawson	3.00	25.00	Sports	3.00	25.00
			Flora Hill	3.00	25.00

WALDECK BROS., 1218 Oakton Ave., **Evanston, Ill.**

Please mention the American Florist when writing.

Index to Advertisers.

Adv rates..... 52
Advance Co The.... 82
Allen J K 61
Amling E C..... 57
Andorra Nurseries... 69
Aschmann Godfrey.. 54
Atlanta Floral Co... 62
Baller F A..... 69
Barrows Henry & Son 59
Bassett & Washburn 56
Bauman L & Co..... 81
Beaven E A..... 55
Beckert W C IV
Bedfordshire SeedCo 67
Benthey-Coatsworth Co..... 57
Berckmans P J Co.... 69
Berning H G..... 59
Bertermann Bros Co. 62
Big Four Route 56
Boddington A T IV
Brant & Noe Flo Co. 66
Braslan Seed Co..... 64
Breitmeyer's J Sons. 62
Brown Peter..... 65
Bruns H N..... IV
Buckley W T Co.... 63
Budlong J A. 57
Burpee W A & Co... IV
Byer Bros..... 70
Caldwell the Woodsman Co..... 55
Calhoun W A 70
California Rose Co.. 68
Carlton H R..... 70
Carmody J D..... 82
ChicagoCarnationCo I
Chicago House Wrecking Co..... V
Childs John Lewis... 55
Cleveland Cut Flo Co 63
Clipper Lawn Mower Co..... 80
Cochran Mushroom & Spawn Co..... IV
Collins Thos..... 55
Cooke Geo H..... 62
Corts Aug & Son.... 81
Cotsonas Geo & Co.. 61
Cowee W J..... 81
Craig Robert Co..... 59
Cross Eli..... 66
Cunningham Jos H.. 66
Daniels & Fisher.... 62
Deamud J B Co..... 57
De Buck John..... 66
Detroit FloPotMfy... 80
Dietsch A Co..... 82
Diller Caskey & Co.. V
Dillon J L..... 63
Dillon Mfg Co..... 82
Dingee&ConardCo.. 69
Donohoe W H..... 62
Dorner F & Sons Co. I
Dreer H A..... 72
Dreyer R..... 55
Dunford J W..... 63
Edwards Fold'g Box. 81
Eldering W J & Son. IV
Elliott Wm H 59
Emmans Geo M..... 70
Eyers H G..... 62
Fellouris A J..... 61
Fenrich J S..... 61
Fischer R..... 66
Florists' Hail Ass'n.. 72
Flower Growers Co.. 57
Foley Mfg Co..... 82
Ford Bros..... 61
For Sale & Rent..... 53
Froment H E..... 61
Garland Geo M..... V
Giblin & Co..... VI
Globe Engraving Co. 82
Gude A & Bro..... 62
Gullett W H & Sons. 63
Gundestrup K & Co.. 67
Gurney Heater Co... VI
Guttman Alex J..... 61
Guttman & Weber.. 60
Hansen M A 62
Hart Jas..... 61
Hauswirth P J 62
Heller & Co IV
Henshaw A M..... 61
Herbert D & Son.... 66
Herr Albert M..... 70
Herrmann A 81
Hess E L..... IV
Hess & Swoboda.... 62
Hews A H & Co..... 80
Hilfinger Bros..... 80
Hill The E G Co.... I
Hinsdale Fern Co... 55
Hippard E..... V
Hitchings & Co. VI
Holmes Seed Co IV
Holm & Olson..... 62
Holton & Hunkel Co. 59
Hooker H M Co..... 72
Hort Advertiser 81
Hort Trade Journal.. 72
Huber Geo..... 67
Hunt E H..... 57
Igoe Bros 82
Jackson&PerkinsCo. 69
Jacobs S & Sons..... 81
Janesville Floral Co. III
Jensen & Dekema... 57
Johnston Heating Co 81
Journal des Roses... 80
Kasting W F..... I
Keller Geo & Son... 80
Keller Pottery Co... 80
Kellogg Geo M 62
Kennicott Bros Co.. 57
Kervan Co The..... 61
Kessler P..... 61
KingConstructionCo 82
Kohr A F..... 79
Koppelman E L & Co 72
Kramer F H..... 63
Kramer I N & Son.. 80
Kroeschell Bros Co. 81
Kuehn C A..... 59
Kuhl Geo A..... 66
Lager & Hurrell..... 71
Lange A..... 62
Langjahr A H..... 61
Lecakes N & Co..... 61
Leedle Floral Co.... 69
Livingston Seed Co.. 81
LocklandLumb'rCo. V
Lord & Burnham Co. VI
McConnell Alex..... 63
McCullough's J M Sons Co..... 59
McKellar Chas W... 57
McKissick W E..... 59
Mayberry & Hoover. 62
Metairie Ridge Nursery Co..... 69
Mich Cut Flower Ex. 55
Mills the Florist..... 62
Moninger J C Co.... V
Moon The Wm H Co. 69
Moore Hentz&Nash. 61
Morse C C & Co..... 67
Mosbaek L..... 70
Murdoch J B & Co .. 59
Murray Samuel..... 62
NagtaganGardensCo 65
Nanz & Neuner..... 55
Natl FloBd ofTrade. 61
N Y Cut Flower Ex . 61
Niessen Leo Co 59
Niuffer C M..... 69
Olbertz J..... 59
Pacific Seed Co..... 67
Paducah Pottery 80
Palethorpe P R Co.. 80
Palmer W J & Son.. 62
Park Floral Co..... 62
Pennock S S..... 59
Perfection Chem Co. 81
Peterson J A 70
Peterson Nurs.....68 69
Pierce F O & Co 82
Pierson F R Co.....I 67
Pierson U Bar Co.... V
PittsburgCut FloCo. 59
Pittsburg Florist Ex . 59
Pollworth C C Co.... 62
PoehlmannBrosCo55 57
Quaker City Machine Works..... 82
Randall A L Co..... 63
Rawson W W & Co.. IV
Raynor J I..... 61
Ready Refer'nceAdv. 73
Reed & Keller..... 80
Regan Print House.. 81
Reinberg Peter....57 66
Rice Bros..... 55
Rice James H Co.... 81
Robinson H M & Co. 55
Roehrs Julius Co..... 69
Sabransky W..... 70
Sander & Son 71
Schillo Adam..... 72
Schultheis Anton.... 54
Schulz Jacob 63
Scott John..... 66
Seligman Jno..... 61
SharpPartridge&Co. 80
Sheridan W F..... 61
Sim Wm 58
Sinner Bros..... 57
Situations & Wants.. 53
Skidelsky S S..... 71
Smith Nathan & Son. 66
Smith W & T Co.... I
Smits Jacs..... 69
Sprague Smith Co... 80
Standard Pump & Engine Co..... VI
Stearns Lumber Co.. VI
Stenzel Glass Co.... 72
Stern J & Co..... 72
Stokes Seed Store... 67
Stoothoff H A & Co. 80
Storrs & Harrison Co 69
Styer J J..... IV
Syracuse Pottery Co. 80
Taylor F G Seed Co. IV
Thompson J D Carnation Co..... I
Thorburn J M & Co .IV
Totty Chas H 61
Traendley & Schenck 61
Ure John C..... 71
VanLeeuwen L&Son 67
Vaughan & Sperry.. 57
Vaughan's Seed Store .....I IV 67 70 71 81
Vick's Sons Jas..... IV
Vincent R Jr & Son.. 54
Virgin U J..... 62
Wabash R R..... 72
Waldeck Bros..... 71
Weathered & Co 82
Weber F C..... 62
Weber H & Sons.... 71
Weeber & Don..... IV
Weiland & Risch.... 57
Welch Bros..... 59
Whilldin Pot Co..... 80
Wietor Bros..... 57
Wild Gilbert H..... 69
Wilson Andrew 81
Wilson Robt G..... 62
WintersonE F Co.... 70
Wittbold Geo Co..57 70
Wolf A Q & Bro..... 72
Wood Bros..... 63
Wrede H..... IV
Yalaha Cons'vat'ries 66
Young A L & Co.... 61
Young Thos..... 61
Zech & Mann..... 57
Zirngiebel Augustus. IV

H. M. HOOKER CO.

Window Glass, Paints and Putty. Greenhouse Glass a Specialty.

59 W. Randolph St., CHICAGO.

Please mention the American Florist when writing.

STENZEL GLASS CO.,

GREENHOUSE GLASS.

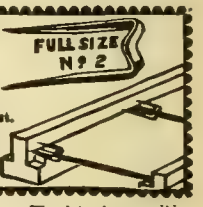
French and American "WHITE ROSE" Brand.

2 Hudson St., NEW YORK.

Please mention the American Florist when writing.

Holds Glass Firmly
See the Point of PEERLESS
Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
HENRY A. DREER, 714 Chestnut St., Phila., Pa.

FULL SIZE No 2



Please mention the American Florist when writing.

—THE—

Florists' Hail Association

Insures over 23,000,000 square feet of glass. for particulars address

JOHN G. ESLER, Sec'y, SADDLE RIVER, N. J.

WABASH EXCURSIONS

FROM CHICAGO.

$14.40 **TORONTO and Return.** On sale daily.

$20.00 **MONTREAL and Return.** On sale daily.

$21.00 **CONCORD and Return.** On sale June 15 to 30, and July 18 Aug. 8 and 22; Sept. 5 and 19.

$22 50 **PORTLAND, Me., and Return.** Selling dates same as to Concord.

$21 00 **RUTLAND, Vt., and Return.** Selling dates same as to Concord.

Proportionate rates to many other points in Canada and New England. For complete details as to stop-overs, etc., address **F. H. TRISTRAM,** Assistant General Passenger Agent, 97 Adams St CHICAGO.

It is good business policy to mention
The....
AMERICAN FLORIST
When you write to an advertiser

Our Mr. Jos. Stern Returned from Europe with

NOVELTIES

OF ALL KINDS. See the enterprising Florists' Supply House.

J. STERN & CO.,

1928 Germantown Ave.,

Catalogue for postal. **PHILADELPHIA, PA.**

Please mention the American Florist when writing.

Now is the Time

to Subscribe to the

Horticultural Trade Journal

Published weekly The Largest Brightest, and Best British Trade Publication. Also

THE INTERNATIONAL EDITION

Published quarterly. Annual subscription for weekly and quarterly numbers, One dollar, (International money order). Subscribe to-day and keep in touch with European markets and topics.

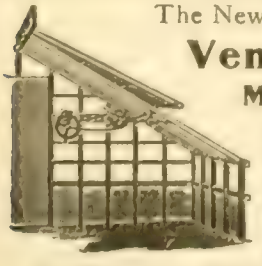
THE HORTICULTURAL PRINTING COMPANY, BURNLEY, ENGLAND.

Tobacco Dust

FOR FUMIGATING.

It would pay large users of dust to communicate with us and get samples and prices.

Edwin L. Koppelman & Co., 81 PINE STREET, NEW YORK.



The New **WOLF PIPE**
Ventilating MACHINES

Uses all roller bearing hangers, circular cut gear steel arms, furnished for all kinds of houses.

A. Q. WOLF & BRO., Dayton, Ohio.

LUMBER

for Greenhouse Benches, Ship Lap, Drop Siding, Sheathing, Flooring, White Cedar Posts, Etc.

We are in special position to furnish **"PECKY CYPRESS"** everything in **PINE** and **HEMLOCK BUILDING LUMBER.** WRITE FOR PRICES.

Adam Schillo Lumber Co. Cor. Weed and Hawthorn St., **CHICAGO.** Tel. North 1626 and 1627.

Ready Reference Advertising.

ADVERTISEMENTS IN THIS DEPARTMENT 10 CENTS PER LINE, CASH WITH ORDER. COPY MUST REACH US MONDAY OF THE WEEK IN WHICH IT IS TO APPEAR

ALTERNANTHERAS.

Alternantheras, red and yellow, 2-in. pots, extra plants, $1.75. Brilliantissima, 2-in. pots, $2. Geo. M. Brinkerhoff, Springfield, Ill.

Alternantheras, red and yellow, $2 per $100; $15 per 1,000. R. Vincent, Jr. & Son, White Marsh, Md.

AMPELOPSIS.

Ampelopsis, best vars. Jackson & Perkins, Newark, N. Y.

ANTHERICUM.

Anthericum var., $1.50 per doz.; $12 per 100. A. Schultheis, 19th and 4th Ave., College Point, L. I., N. Y.

ARAUCARIAS.

Araucarias, Excelsa, 12 to 14 ins., 5½-in. pots, 3 to 4 trs., 2-yr., 50c; 14 to 16 ins., 5½-in. pots, 3 to 4 trs., 2-yr., 60c; 16 to 18 ins., 5½ to 6-in pots, 4 to 5 trs., 3-year, 75c; 18 to 20 ins., 6-in. pots, 5 to 6 trs., 4-yr., $1; 20 to 24 ins., 6-in pots, 5 to 6 trs., 4-yr., $1.25; 36 to 50 ins., Specimen, 7-in. pots, 5 to 6 trs., 6-yr., $2.50 to $3. A. Compacta Robusta, 12 to 20 ins. high, 3 to 4 trs. 20 to 30 ins., 4 to 5-yr., 6 to 7-in., $1.25, $1.50, $1.75, $2 up to $3 each. A. Excelsa Glauca, 6 to 7-in pots, 3, 4 and 5 trs., 15 to 25 ins., $1.25, $1.50, $1.75, $2, $2.50 each. G. Aschmann, 1012 Ontario St., Philadelphia.

Araucaria Excelsa, 4-in., 2 to 3 trs., 35c each; $4 per doz.; 5-in., 3 trs., 75c each; $9 per doz.; 6-in., 3 to 4 trs., $1 each; $12 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Araucaria Excel., 50c, 75c, $1, $1.50, $2, $2.50 each. A. Schultheis, 19th and 4th Ave., College Point, L. I., N. Y.

Araucaria Excelsa. R. Dreyer, Woodside, L. I., N. Y.

ASPARAGUS.

Asparagus plumosus, 2-in., $3 per 100; 3-in., $6. Sprengeri, 2-in., $3 per 100; 3-in., $6; 4-in., $1.25 per doz.; 5-in., $2. Scandens Deñ, 3-in., $1.50 per doz.; 4-in., $2 per doz. George Wittbold Co., 1657 Buckingham Pl., Chicago.

Asparagus plumosus, 3½-in., $1.25 per doz.; $9 per 100; 4-in., $2 per doz.; 4½-in., $3 per doz. A. Schultheis, 19th and 4th Ave., College Point, L. I., N. Y.

Asparagus plumosus and Sprengeri, 4-in., $10; 3-in., $5; 2¼-in., $2.50 per 100; $20 per 1,000. Seedlings, $10 per 1,000. Ludvig Mosbaek, Onarga, Ill.

Asparagus plumosus, from flats, $6 per 1,000; 3-in. $18 per 1,000. Sprengeri, from flats, $6 per 1,000. Yalaha Conservatories, Yalaha, Fla.

Asparagus plumosus, 2½-in., 3c. Sprengeri, 3-in., 3c. Wm. B. Sands, Lake Roland, Baltimore, Md.

Asparagus plumosus, 2¼-in., $3 per 100. John Scott, Rutland Rd. and 45th St., Brooklyn, N. Y.

Asparagus plumosus, from 2¼-in., $2 per 100. W. T. Buckley Co., Springfield, Ill.

Asparagus plumosus, 2½-in., $2 per 100. Jos. H. Cunningham, Delaware, O.

Asparagus Sprengeri, cut sprays, $1 to $3 per 100; plants from bench, $5 per 100; $40 per 1,000; 2½-in., $3 per 100; $25 per 1,000. Plumosus, 2½-in., $3.50 per 100; $30 per 1,000. J. W. Dunford, Clayton, Mo.

Asparagus Sprengeri, 2-in., $1.50 per 100; $12.50 per 1,000. Plumosus, 2-in., $2.50 per 100; $20 per 1,000. Robustus, $3.50 per 100; $30 per 1,000. A. M. Herr, Lancaster, Pa.

Asparagus Sprengeri, 3-in. pots, $5 per 100. Plumosus, 3-in. pots, $6 per 100. Wm. F. Kasting, 383 Ellicott St., Buffalo, N. Y.

Asparagus Sprengeri, 2-in., $20 per 1,000. Plumosus, 2½-in., $30 per 1,000. E. G. Hill Co., Richmond, Ind.

Asparagus Sprengeri, 2-in., $2.50 per 100; plumosus, 2-in., $3 per 100. Geo. M. Emmans, Newton, N. J.

ASPIDISTRAS.

Aspidistra, green, $1 per pot. A. Schultheis, 19th and 4th Ave., College Point, L. I., N. Y.

AZALEAS.

Azaleas, Jacs Smits, Ltd., Naarden, Holland.

BAY TREES.

Bay trees, pyramids, 55 to 60 ins. high, $14 per pair; 65 to 70, $15 per pair; 72 ins., $18 per pair; 84 ins., $20 per pair. Standards, 4 ft. stems, 32 in. diam., $14 per pair; 36 in. diam., $16 per pair. A. Schultheis, 19th and 4th Ave., College Point, L. I., N. Y.

Bay trees, standards and pyramids. Julius Roehrs Co., Rutherford, N. J.

Bay trees, fine stock. R. Dreyer, Woodside, L. I., N. Y.

Bay Trees. Louis Van Houtte Pere, Gnent, Belgium.

BEGONIAS.

Begonia Gloire de Lorraine, and Turnford Hall, leaf cuttings, $15 per 100; $140 per 1,000; 4-in., pots, $40 per 100. J. A. Peterson, McHenry Ave., Westwood, Cincinnati, O.

Begonia Rex, 2 and 2½-in., $5 per 100. Geo. M. Emmans, Newton, N. J.

Begonia Rex, 2½-in., $5 per 100. Nathan Smith & Son, Adrian, Mich.

Begonias, all varieties. Geo. A. Kuhl, Pekin, Ill.

BOUVARDIAS.

Bouvardias, Nanz & Neuner, Louisville, Ky.

BOXWOOD.

Boxwood. Pyramid, $2 and $2.50 per pair. A Schultheis, 19th and 4th Ave., College Point, L. I., N. Y.

BULBS, ROOTS, TUBERS.

Bulbs, French Romans, Paper White grandi, Japan Longiflorum, London Market Valley, Dutch hyacinths, tulips, narcissus, spirea, Calla 1 ½ to ⅝-in., $5 per 100; $45 per 1,000; 1½ to 2-in., $7 per 100; $65 per 1,000. Freesias, Bermuda grown, ⅜ to ½-in., 85c per 100; $7.50 per 1,000; California grown, choice, ½ to ¾-in., 65c per 100; $5 per 1,000; 1st quality, ⅜ to ½-in., 45c per 100; $3 per 1,000; Vaughan's star-shaped white, $1.50 per 100; $12 per 1,000. Vaughan's Seed Store, Chicago and New York.

Bulbs, L. Harrisii, for early forcing, extra choice, 5 to 7-in. bulbs, 400 to case, $17 per case; 6 to 7-in., 350 to case, $17.50; 7 to 9-in., 200 to case, $18; 9 to 11-in., 100 to case, $18; for Easter forcing, 6 to 7-in., 350 to case, $14 per case; 7 to 9-in., 200 to case, $15; 9 to 11-in., 100 to case, $15. Freesia Refracta Alba, $1 per 100; $7.50 per 1,000. Bermuda Buttercup Oxalis, $1 per 100; $7.50 per 1,000. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Bulbs, freesias, greenhouse grown, no place to plant them, so must be sold, postpaid, as follows: 750, ½ to ¾-in,. 60c per 100; $3.50 for the lot; 1,700, ⅜ to ½-in., 40c per 100; $2.50 per 1,000; 250 at 1,000 rate; 1,700 2-8 to nearly ⅜-in., 20c per 100; $1 per 1,000. Cash. John Beimford, Wilton Junction, Iowa.

Bulbs, 1st size named single hyacinths, $5.50 per 100; 2nd size, $4 per 100; single unnamed, $2.25 per 100. Mammoth freesias, Refracta Alba, $8.50 per 1,000; Selected, $4.50 per 1,000. Holmes Seed Co., Harrisburg, Pa.

Bulbs, home-grown freesias, large size, $1 per 100; $7 per 1000; blooming size, 75c per 100; $4.50 per 1,000; small blooming size, 50c per 100; $3.50 per 1,000. Stokes Seed Store, 219 Market St., Philadelphia.

Bulbs, Benguet forcing lily (L. Philippinensis), ¾ to 1-in., $45; 1¼ to 1½-in., $55; 1¾-in. and over $100 per $1,000, f. o. b. Manila. Mail samples, prepaid, $2, $3 and $5 per doz. Nagtagan Gardens Co., Manila, P. I.

Bulbs, everything in bulb line, hyacinth, tulips, daffodils and crocus as specialties. W. J. Eldering & Son, Overveen, Haarlem, Holland.

Bulbs, narcissus, dbl. Von Sion, Golden Spur, Hyacinths, tulips and all Dutch bulbs. L. Van Leeuwen & Son, Sassenheim, Holland.

Bulbs, L. Harrisii, R. hyacinths. P. W. narcissus, freesias, Weeber & Don, 114 Chambers St., New York.

Bulbs, P. W. Narcissus, 13 ctm., $1.25 per 100. Jos. H. Cunningham, Delaware, O.

Bulbs of all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs of all kinds. Currie Bros. Co., 308 Broadway, Milwaukee, Wis.

Bulbs of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Bulbs, 1,000 Calla Lily bulbs for sale cheap. R. D. Herr, Refton, Pa.

Caladiums. John Lewis Childs, Floral Park, L. I., N. Y.

Cannas of all vars. Dingee & Conard Co., West Grove, Pa.

Iris, German, mixed vars., $2 per 100. James Vick's Sons, Rochester, N. Y.

Lily of the Valley, finest cold storage pips. H. N. Bruns, 1409-1411 W. Madison St., Chicago.

Lily of the Valley. Jacs Smits, Ltd., Naarden, Holland.

CARNATIONS.

Carnations grown for my own use, but having sold greenhouses, must also sell plants, 1,300, as follows: 126 Lawson, 16 W. Lawson, 112 Bountiful, 36 Hill, 220 Queen Louise, 122 Enchantress, 19 Mrs. Patten, 35 Wolcott, 35 Prosperity, 23 Fenn, 74 Boston Market, 40 Joost, 255 G. Angel, 95 Glacier, 50 red, name not known, 45 No. 15 pink, $60 cash for the lot, ship any time during August you wish. Pay you to see them if not too far distant. John Beimford, Wilton Junction, Iowa.

Carnations, field-grown, L. Bountiful, Lieut. Peary, W. Lawson, Fiancee, Cardinal R. Lawson, Skyrocket, V. Lawson, $7 per 100; $60 per 1,000. Mrs. Lawson, Mrs. Patten, $6 per 100; $50 per 1,000. Glendale, Daybreak Lawson or Melody, $12 per 100; $100 per 1,000. Prosperity, Harlowarden, $5 per 100; $40 per 1,000. Chicago Carnation Co., Joliet, Ill.

Carnations, field-grown, Lawson, B. Market, Estelle, $5 per 100; $40 per 1,000. Nelson, G. Angel, M. Glory, F. Hill, $4 per 100; $30 per 1,000. N. Fisher, Enchantress, $7 per 100; $60 per 1,000. Mrs. Patten, L. Bountiful, $6 per 100; $50 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

Carnations, field plants, White and Pink Lawson and Enchantress, $5 and $6 per 100, interesting prices by the 1,000 or large lots. Above was planted out of a 3½-in. pot, strong plants April 1, and have developed into very strong plants ready to lift. C. W. Reimers, Sta. A., Louisville, Ky.

Carnations, extra quality field-grown, Queen Louise and Pink Lawson, our specialty. Large, healthy plants, $5 per 100; $45 per 1,000. A. T. Lorch & Co., DeHaven, Pa.

If you do not find what you need in our Ready Reference Department, write us about it.

Carnations, Bountiful, $6 per 100; $55 per 1,000. Glacier, $5 per 100; $45 per 1,000. P. Lawson, $5 per 100; $40 per 1,000. Enchantress, Flamingo, The President, D. Whitney, Eclipse, F. Burki, Fiancee, $6 per 100; $50 per 1,000. Eli Cross, Grand Rapids, Mich.

Carnations, field-grown, W. Lawson, $6 per 100. Enchantress, Bountiful, P. Lawson, Roosevelt, Harlowarden, Estelle, O. Louise, The Belle, Crisis, Richmond Gem, Flamingo, F. Burki Eclipse, $5 per 100; $45 per 1,000. W. Sabransky, Kenton, O.

Carnations, field-grown, good, healthy stock, high land grown, Lawson, Prosperity, Enchantress, Queen Louise, Boston Market, Lady Bountiful, Joost, Crane, Estelle, Apollo. Thos Salveson, Petersburg, Ill.

Carnations, field-grown, B. Market, $4 per 100; $30 per 1,000. Enchantress, $5 per 100; $40 per 1,000; Lawson, W. Cloud, Ine, Sport, F. Hill, $3 per 100; $25 per 1,000. Waldeck Bros., Evanston, Ill.

Carnations, Lawson, Enchantress, Gov. Wolcott, Estelle, $6 per 100. B. Market, Norway, Hill, Lord, Lawson, $5 per 100; 1,000 rates $45 and $55. W. H. Gullett & Sons, Lincoln, Ill.

Carnation plants from field for August delivery; Robert Craig, Mrs. M. A. Patten, Enchantress and Boston Market. J. D. Thompson Carnation Co., Joliet, Ill.

Carnations, Abundance, field-grown, 1st size, $12 per 100; $100 per 1,000; 2nd size, $10 per 100; $75 per 1,000. R. Fischer, Great Neck, L. I., N. Y.

Carnations, White Perfection, $12 per 100; $100 per 1,000; 50 at 100 rate; 250 at 1,000 rate. F. Dorner & Sons Co., La Fayette, Ind.

Carnations, strong field plants, Lawson, Enchantress, Queen, $5 per 100. D. W. Andrews, 76 Carmel St., New Haven, Conn.

Carnations, Enchantress, Lawson, Q. Louise, $5 per 100. Pittsburg Florists' Exchange, 228 Diamond St., Pittsburg, Pa.

Carnations, Victory, field-grown, $15 per 100; $125 per 1,000. Guttman & Weber, 43 W. 28th St., New York.

Carnations, Prosperity and G. Lord, $6 per 100. H. Weber & Sons Co., Oakland, Md.

Carnations, rooted cuttings, Bertha Roth. R. Dreyer, Woodside, L. I., N. Y.

Carnations, Queen Louise, $4 per 100. Jos. H. Cunningham, Delaware, O.

Carnations, field-grown. Nanz & Neuner, Louisville, Ky.

Carnations, for fall delivery. Wood Bros., Fishkill, N. Y.

Carnations, field-grown. J. W. Dunford, Clayton, Mo.

CALADIUMS.

Caladiums, fancy leaved. Geo. A. Kuhl, Pekin, Ill.

CHRYSANTHEMUMS.

LAST CALL FOR MUMS.

2-in. Stock.

100 Balfour, per 100, $2; 250 Duckham, $2; 500 McNewell, $2; 200 Dr. Enquehard, $2; 200 V.—Morrell, $2; 200 P. Plumridge, $3; 150 Appleton, $2; 500 Oct. Sunshine, $2; 200 Harrison Dick, $2; 100 M. Bonnaffon, $2; 200 Roi de Italia, $2; 100 Monrovia, $2; 300 Y. Mayflower, $2; 100 Omega, $2; 200 Y. Jones, $2; 100 G. Wedding, $2; 200 W. Mayflower, $2; 50 Wanamaker, $2; 200 Robinson, $2; 300 C. Touset, $5; 400 Chadwick, $3; 200 Lilly Mountiford, $2; 200 Kalb, $2; 100 Black Hawk, $2; 200 Intensity, $2; 400 Oakland, $2. Wietor Bros., 51 Wabash Ave., Chicago.

Chrysanthemums, G. of Pacific, Polly Rose, Soleil d'October, Robinson, Ivory, Appleton, Pink Ivory, $3 per 100. J. Jones, Mrs. Robt. McArthur, Mrs. Coombes, G. Wedding, Yellow Eaton, Monrovia, $4 per 100. Lady Roberts, A. J. Balfour, Wm. H. Chadwick, $6 per 100. Glenview, $25 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Chrysanthemums. Our sales of Jeanne Nonin have been phenomenal, but we have a few thousand yet, and YOU are losing money if you don't plant them. Nothing else you can grow from now to Xmas will make you as much money or as good satisfaction as Jeanne Nonin. Strong 4-in., 10c; strong flat-grown, 5c; R. C., $3 per 100 postpaid; $25 per 1,000. When you see the other fellow swapping Nonin for dollars next fall, you'll wish you had some too. Better get in NOW. City Greenhouses, Union City, Pa.

Chrysanthemums. Not too late yet to plant Jeanne Nonin. Strong 4-in. only 10c; strong flat-grown 5c; R. C., $3 per 100 postpaid; $25 per 1,000. Santa Claus, Xmas pink, Mrs. Duckham and Touset, same price. W. J. Olds, Union City, Pa.

Chrysanthemums, Jeanne Nonin, strong R. C., $3 per 100 postpaid; $25 per 1,000; strong flat, 5c; strong 4-in., full of cuttings, 10c. Putnam Street Greenhouses, Union City, Pa.

Chrysanthemums, fine young plants from soil, $2 per 100. Chadwick, Yellow Eaton, Shaw, Ivory, Polly Rose, Willowbrook, Halliday. George Roy & Son, Belvidere, N. J.

Chrysanthemums, 5,000 best sort, 2½ in. pot plants. Benj. Connell, West Grove, Pa.

Chrysanthemums, Mrs. Tranter, 2-in., 2c. Byer Bros., Chambersburg, Pa.

Chrysanthemum novelties. Chas. H. Totty, Madison, N. J.

Chrysanthemums, Wood Bros., Fishkill, N. Y.

CINERARIAS.

Cinerarias, $2 per 100. Jos. H. Cunningham, Delaware, O.

Cinerarias. Geo. A. Kuhl, Pekin, Ill.

CLEMATIS.

Clematis. Jackson & Perkins, Newark, N. Y.

COBOEA.

Coboea Scandens, 4-in., $8 per 100. Godfrey Aschmann, 1012 Ontario St., Philadelphia, Pa.

COLEUS.

Coleus, Golden Bedder, 2-in., extra strong plants. Geo. M. Brinkerhoff, Springfield, Ill.

CYCLAMENS.

Cyclamen. Geo. A. Kuhl, Pekin, Ill.

DAHLIAS.

Dahlias, Improved Countess of Lonsdale, cactus type, 6 for $1; $1.75 per doz., $12 per 100. Arthur T. Boddington, 342 W. 14th St., New York.

Dahlia roots. R. Vincent, Jr. & Son, White Marsh, Md.

Dahlias, all vars. D. Herbert & Son, Atco, N. J.

DAISIES.

Daisies, white and yellow, $1 per 100; $8 per 1,000. C. Humfeld, Clay Center, Kan.

DEUTZIAS.

Deutzias in variety, W. & T. Smith Co., Geneva, N. Y.

DRACAENAS.

Dracaena fragrans, 6-in., 75c each; $9 per doz.; 5-in., 50c each; $5 per doz.; D. indivisa, 2-in., $2.50 per 100; 6-in., 20 to 26 ins., 50c each; $5 per doz.; 7-in., 30 to 34, 75c each; $9 per doz. D. Mass., 8-in., $2 each; 9-in., $3 each. D. Ter., 4-in., 25c each; $3 per dozen; 5-in., 35c each; $4.20 per dozen. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Dracaena fragrans, $4 to $25 per doz. Terminalis, 4-in., $3 per doz.; 5-in., $5 per doz.; 6-in., $9 per doz. A. Schultheis, 19th and 4th Ave., College Point, L. I., N. Y.

Dracæna indivisa, 4 and 5-in., $10 and $25 per 100. Geo. M. Emmans, Newton, N. J.

Dracaenas, John Lewis Childs, Floral Park, L. I., N. Y.

FARFUGIUMS.

Farfugium Grande, 3½-in., $10 per 100; 5-in., $15 per 100. Nanz & Neuner, Louisville, Ky.

FERNS.

Ferns, prepaid, Boston, 4-in., 18c; 5-in., 30c; 6-in., 45c; 8-in., $1.25; 10-in., $1.75. Pierson fern, 4-in., 20c; 5-in., 35c; 6-in., 50c; 8-in., $1.50; 10-in., $2 each. Anna Foster, same prices as Pierson fern. N. Wittboldi and N. Washingtoniensis, 2½ in., 6c; 3-in., 12c; 4-in., 25c; 6-in., 50c; 8-in., $2 each. N. Barrowsii, 2½-in., 8c; 3-in., 25c; 4-in. 40c; 6-in., 75c; 8-in., $2.50; 10-in., $4 each. N. Whitmani, 2½-in., 25c; 4-in., 60c; 6-in., $1.25 each. N. Elegantissima, 2½-in., 8c each. B. N. Wichers & Co., Gretna, La.

Ferns, Boston, 5-in., $3 per doz.; 6-in., $9 per doz.; 7-in., $12 per doz. Bird's nest fern, 6½-in., $1.50 each; $18 per doz. Scottii, 6½-in., $7 per doz.; specimens, $2.50 each; from bench, 5½ and 6-in., $5 per doz.; $40 per 100. Piersoni, 5½-in., $9 per doz. Elegantissima, 4½-in., $4 per doz.; $30 per 100. Boston, specimens, $3 each; 14-in. per pair, $15. Cibotium Scheidei, 6, 6½ and 7-in., $1.50, $2 and $2.50 each. A. Schultheis, 19th and 19th and 4th Ave. College Point, L. I., N. Y.

Ferns, seedling in flats, now ready. Flats contain over 100 clumps which can be divided, ready now for 2½-in. pots, in the following varieties: Aspidium Tennsemensie, Crytomium falcatum, Pteris Cretica albo-lineata, nana compacta, magnifica, cristata, adiantoides, Wimsetti, Mayii, serrulata, Lastrea variegata, etc. Prices, $2 per flat, 20 or more flats, $1.75. Cash with order from unknown parties. McHutchison & Co., 17 Murray St., New York.

Ferns, Adiantum Capillus, 5-in., $2 per doz.; Adiantum Gracillimum, 4-in., $1.25 per doz.; $10 per 100. Boston, 6-in., $6 per doz., 7-in., $9 per doz. Scottii, 10-in., $2 each. Fern Balls, 7 to 9 dormant or in leaf, $4.20 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Ferns, Scottii, small plants from benches, $5 per 100; $50 per 1,000. Plants for 6-in. pots, $25 per 100; plants for 7 and 8-in. pots, $50 per 100. John Scott, Rutland Rd. and 45th St., Brooklyn, N. Y.

Jardiniere Ferns, seedlings, good, strong, healthy stock, in variety only. Now ready for potting. Price, $1.50 per 100 by mail; $10 per 1,000, f. o. b., express. B. Soltau, 199 Grant Ave., Jersey City, N. J.

Ferns, Anna Foster, Boston, Piersoni and Sword, 6-in., $30 per 100; $4 per doz.; 4-in., $15; 3-in., $8. Elegantissima, 4-in., $50; 3-in., $20; 2¼-in., $12 per 100. Ludvig Mosbaek, Onargo, Ill.

Ferns, assortment for dishes, 2½-in., $5 per 100. Barrowsii, 4-in., 25c; 6-in., 75c. Scottii, 4-in., 25c; 5-in., 40c; 6-in., 50c. G. Aschmann, 1012 Ontario St., Philadelphia.

Ferns, Adiantum Farleyense, specimens, $18 to $24 per doz.; 1¾-in., $8 per 100; 2½-in., $15 per 100. J. A. Peterson, McHenry Ave., Westwood, Cin., O.

Ferns, from bench, Boston and Piersoni, 4-in., 10c; 5-in., 12½c. Tarrytown, 4-in., 15c; 5-in., 25c. Scottii, 3-in., 8c; 4-in., 12½c. Byer Bros., Chambersburg, Pa.

Ferns, N. Whitmani, 2¼-in., $25 per 100. Boston, 2¼-in., $3 per 100. H. H. Barrows & Sons, Whitman, Mass.

Ferns, Whitmani, $25 per 100; $200 per 1,000. S. S. Skidelsky, 824 N. 24th St., Philadelphia.

Ferns, Piersoni, Scotti, Barrowsii, Elegantissima. Geo. A. Kuhl, Pekin, Ill.

Ferns, Boston, 2½-in., $4 per 100. Nanz & Neuner, Louisville, Ky.

Ferns, all leading varieties. R. Dreyer, Woodside, L. I., N. Y.

Ferns, N. Amerpohlii. Janesville Floral Co., Janesville, Wis.

If you do not find what you need in our Ready Reference Department, write us about it.

FICUS.

Rubbers, 7-in., $9 per doz. A. Schultheis, 19th and 4th Dve., College Point, L. I., N. Y.

Rubber plants, from 4-in. pots, Metairie Ridge Nursery Co., New Orleans, La.

Ficus Elastica, 4-in., 25c. G. Aschmann, 1012 Ontario St., Philadelphia.

Ficus. Geo. A. Kuhl, Pekin, Ill.

GARDENIAS.

Gardenia Veitchii, 5½-in., $9 per doz. A. Schultheis, 19th and 4th Ave., College Point, L. I., N. Y.

GERANIUMS.

Geraniums, from 2-in. pots, Alliance, Lemoine 1905, 25c each; $2 per doz. Fleuve Blanc, $1.50 per doz.; $10 per 100. Cactus, 4 vars., $2 per doz.; $15 per 100. Double Dryden, $1 per doz.; $5 per 100. Nutt Le Pilote, Poitevine, Mme. Barney, Centaure, Kendall, Mme. Jaulin, Viaud, Mme. Charotte, 40c per doz.; $2 per 100; $18 per 1,000. Ville de Poitiers, M. de Castellane, Berthe de Presilly, M. Jolly de Bammeville, T. Meehan, 50c per doz.; $3 per 100; $25 per 1,000. R. Vincent, Jr. & Son, White Marsh, Md.

Geraniums, S. A. Nutt, Castellane, John Doyle, Perkins, Double Gen. Grant, La Favorite, Poitevine, Mme. Salleroi, 2-in. pots, $2 per 100; 3-in. pots, $4 per 100. R. C., $1 per 100. Geo. M. Emmans, Newton, N. J.

Geraniums, from 2½-in. pots, $1.50 per 100; $14 per 1,000. B. Poitevine, Mrs. E. G. Hill, Nutt, Mme. Buchner, W. T. Buckley Co., Springfield, Ill.

Geraniums, Viaud, Bernandian, Hill, 2¼-in., $1.50 per 100. Byer Bros., Chambersburg, Pa.

Geraniums, stock plants, standard vars., $6 per 100; $50 per 1,000. Ludvig Mosbaek, Onarga, Ill.

Geraniums, Nutt, 4-in., 6c. J. C. Ure, 2843 Evanston Ave., Chicago.

Geraniums, leading varieties. A. M. Herr, Lancaster, Pa.

GLOXINIAS.

Gloxinias. Geo. A. Kuhl, Pekin, Ill.

GREENS.

Greens, dagger and fancy ferns, $1 per 1,000. Bronze and green galax, $1 per 1,000; 10,000 lots, $7.50. Bouquet green, per 100 yds. $7. Laurel festooning, 5c and 6c per yd. Laurel wreaths, $3 per doz.; branch laurel, per bunch, 50c. Boxwood, per lb., 20c. Leucothoe sprays, per 100, $1. Green and Sphagnum moss, $1 per barrel. Lyrata (new). H. M. Robinson & Co., 8 Province St., Boston, Mass.

Greens, new decorative green branches of the Huckleberry tree. New crop hardy ferns, fancy, $1.25 per 1,000; dagger, $1 per 1,000. Caldwell The Woodsman Co., Evergreen, Ala.

Greens, galax, leaves, ferns and leucothoe sprays, holly. Princess pine, all kinds of evergreens. Galax leaves $1 per 1,000. N. Lecakes & Co., 53 W. 28th St., New York.

Greens, cut palmetto and cycas palm leaves, galax, leucothoe, ferns, mosses and all decorating evergreens. The Kervan Co., 20 W. 27th St., New York.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 50 W. 28th st., New York.

Greens, fancy or dagger, ferns, 75c per 1,000. Sphagnum moss, 50c per bale. Thos. Collins, Hinsdale, Mass.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. A. J. Fellouris, 52 W. 28th St., New York.

Greens, fancy ferns, $1 per 1,000. Galax, $1.25. Michigan Cut Flower Ex., 38 Miami Ave., Detroit, Mich.

Greens, fancy or dagger ferns, 75c per 1,000. Hinsdale Fern Co., Hinsdale, Mass.

Greens, fadeless sheet moss. E. A. Beaven, Evergreen, Ala.

HIBISCUS.

Hibiscus Syriacus Meehanii. P. J. Berckmans Co., Inc., Augusta, Ga.

HONEYSUCKLES.

Hollyhock, Myosotis, Pansies all seeds. Hasslach & Roumanille, seed growers, St. Remy de Provence, France.

Honeysuckles, 4-in. pots, $8 per 100. George Wittbold Co., 1657 Buckingham Pl., Chicago.

HYDRANGEAS.

Hydrangea Otaksa, large plants in tubs, $2 and $3 each; specimens in half barrels, $5 to $7.50 each. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Hydrangeas, best vars. Jackson & Perkins, Newark, N. Y.

IVY.

Ivy, English, 4½-in., $2 and $2.50 per doz. Fan shaped, 75c each; $6 per doz. Anton Schultheis, 19th and 4th Ave., College Point, L. I., N. Y.

Ivy, hardy English, $2 per 100; $15 per 1,000. R. Vincent Jr. & Son, White Marsh, Md.

JERUSALEM CHERRIES.

Jerusalem Cherries, 2½-in., $5 per 100. G. Aschmann, 1012 Ontario St., Philadelphia.

Jerusalem Cherries, 2½-in., $2 per 100. Byer Bros., Chambersburg, Pa.

MARANTAS.

Maranta Lietzii, 2½-in., $1 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

MUSHROOM SPAWN.

Mushroom Spawn, "Pure Culture" spawn, and importers of English mushroom spawn. Knud Gundestrup & Co., 4273 Milwaukee Ave., Chicago.

Mushroom spawn, Columbia, Alaska, Bohemia. Cochran Mushroom & Spawn Co., 911 Chemical Bldg., St. Louis, Mo.

Mushroom Spawn, superior strains of Pure Culture Spawn. E. L. Hess, 604 La Salle Ave., Chicago.

Mushroom spawn, English and pure culture. Weeber & Don, 114 Chambers St., New York.

Mushroom spawn, frequent importations from England. J. J. Styer, Concordville, Pa.

MYRTLE.

Myrtle, creeping, 2¼-in., $2.50 per 100; $20 per 1,000. Ludvig Mosbaek, Onarga, Ill.

NURSERY STOCK.

Nursery stock, hothouse, grape vines, fine, strong 2 and 3-year-old canes, Black Hamburg, Muscat, Alexander and other varieties. Rose Hill Nurseries, New Rochelle, N. Y.

Nursery stock, shade trees, fruit trees, small fruits, shrubs, clematis, Barberry Thunbergii. W. & T. Smith Co., Geneva, N. Y.

Nursery stock, trees and shrubs. Price list on application. Peterson Nursery, 503 W. Peterson Ave., Chicago.

Nursery stock, large trees, oak, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, evergreen and deciduous flowering shrubs and vines. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, pot-grown shrubs, conifers and ornamental stock. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, plants and shrubbery of all kinds. Dingee & Conard Co., West Grove, Pa.

ORCHIDS.

Orchids, C. Dowiana, C. gigas, C. Mossiæ, C. Percivaliana, C. speciosissima, C. Eldorado, C. superba, C. labiata, C. Leopoldii. Lager & Hurrell, Summit, N. J.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England; New York office, room 1, 235 Broadway.

Orchids, C. Trianae, $50 per case. Orchid peat, $1 per bag. A. Schultheis, 19th and 4th Ave., College Point, L. I., N. Y.

Orchids, C. Trianae. J. De Buck, Box 78, College Point, L. I., N. Y.

PALMS.

Palms, Areca lutescens, 5-in., 50c each; $5 per doz. Cocos, 2½-in., $1.50 to $1.75 per doz.; C. Bonetti, specimens, $40 each. Kentia Bel. 3-in., $2 per doz.; 4-in., $3.60 per doz.; 5-in., 60c each, $7.20 per doz.; 6-in., xx, $1.25 each, $15 per doz.; 7-in., $2.50 each, $30 per doz.; Kentia Fors., 5-in., 60c each, $7.20 per doz.; 6-in., $1.25 each, $15 per doz.; 7-in, $2 each, $24 per doz. Phoenix Can., 2-in., $1 per doz., 5-in., $5 per doz.; 10-in., $3 each; large specimens, $25 to $30 each. Phoenix Recli., 3½ in., $2 per doz.; 4-in., $3 per doz.; 6-in., 50c each, $6 per doz., 7-in., 75c each. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Palms, Kentia Fors., 6-in. pots, 35 to 40 ins., $1.25; $1.50; 30 to 35 ins., 4-yr., $1; 5½-in., 25 to 30, 3-yr., 75c; 4-in. made-up, 3 plants to pot, 18 to 20 ins., 25c to 30c. K. Bel., 6-in., 5 to 6 leaves, 30 to 35 ins., $1.25; 5½ to 6-ins., 5 to 6 leaves, 75c to $1. K. Fors., 7-in., made-up, 22 to 24 ins., $2 each. Cocos Wed., 15c. Areca Lutescens, made-up, 4-in. pots, 25c. Cycas Revoluta, 6 to 7-in., 7 to 20 leaves, 10c per leaf. G. Aschmann, 1012 Ontario St., Philadelphia.

Palms, Kentia Bel. and Fors., from $3 to $9 per doz.; also from $1 to $3 each. Phoenix Can., 6½ to 7 ft. high, 11-in., $12 to $14 per pair. Kentia Fors., combinations from $3 to $20 each. Areca Lutescens, 5½-in., 3 in pot, $9 per doz. A. Schultheis, 19th and 4th Ave., College Point, L. I., N. Y.

Palms, Phoenix Rœbelenii, seedlings, $5 per 100; $40 per 1,000; $350 per 10,000; 4-in., 1 ft. high, 12 to 15 lvs., $1 each; $80 per 100; $750 per 1,000; 7-in., 2 to 2½ ft. high, $5 each; $40 per 10; $350 per 100; specimens, $7.50 and $10. John Lewis Childs, Floral Park, L. I., N. Y.

Palms, Latania Borb., 2¼-in., $4 per 100; 4½-in., $25 per 100; 5-in., $30 per 100. Kentia Bel., 3½-in., $20 per 100; 4½-in., $30 per 100. Nanz & Neuner, Louisville, Ky.

Palms, Latania Borbonica, from 4-in. pots. Metairie Ridge Nursery Co., New Orleans, La.

Palms, The Royal of Cuba, $2 per 1,000. Yalaha Conservatories, Yalaha, Fla.

Palms of all kinds. R. Dryer, Woodside, L. I., N. Y.

PANDANUS.

Pandanus Veitchii, 7-in., $2 each; $24 per doz. P. utilis, 3-in., $1.50 per doz; 4-in., $3 per doz; 5-in., $5 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Pandanus Veitchii, 5-in., $5 per doz.; 6-in., $9 per doz.; 6½-in., $12 per doz.; 7-in., $18 per doz. A. Schultheis, 19th and 4th Ave., College Point, L. I., N. Y.

Pandanus Veitchii, 50c, $1, $1.50 and $2.50 each. J. A. Peterson, McHenry Ave., Westwood, Cin., O.

PEONIES.

Peonies, Chinensis, F. Maxima, Duchesse de Nemours, Queen Victoria. Chas. Leveque, E. Verdier, Meisonnier. L. van Leeuwen & Son, Sassenheim, Holland.

Peonies, Queen Victoria, $9 per 100. Festiva Maxima, $30 per 100; Fragrans, $6 per 100. G. H. Wild, Sarcoxie, Mo.

Peonies. Wholesale grower of the best varieties. J. F. Rosenfield, West Point, Neb.

Peonies a specialty. Peterson Nursery, 503 W. Peterson Ave., Chicago.

Peonies, over 100 named vars. F. A. Baller, Bloomington, Ill.

Peonies, all varieties. Jackson & Perkins, Newark, N. Y.

Peonies, all vars. Jacs Smits, Ltd., Naarden, Holland.

Peonies. W. & T. Smith Co., Geneva, N. Y.

PEPPERS.

Christmas peppers, 2½-in., 2c. Byer Bros., Chambersburg, Pa.

Celestial peppers. Geo. A. Kuhl, Pekin, Ill.

If you do not find what you need in our Ready Reference Department, write us about it.

Christmas peppers, 3½-in., $4 per 100. J. W. Dunford, Clayton, Mo.

POINSETTIAS.

Poinsettias, 2½-in., $5 per 100. Thos. Salveson, Petersburg, Ill.

PRIMULAS.

Primroses, obconica, fimbriata, alba, rosea, lilac, carmine, $2 per 100. Obconica, dbl., $3 per 100. Mixed, 2-in., 2c. Byer Bros., Chambersburg, Pa.

Primroses, Chinensis, $2 per 100; Obconica alba and rosea, $2 per 100; Forbesii, $2 per 100. Jos. H. Cunningham, Delaware, Ohio.

Primrose, Baby, 2½-in. pots, 4c each. The Dingee & Conard Co., West Grove, Pa.

PRIVET.

Privet, California, the best. R. Dreyer, Woodside, L. I., N. Y.

RHODODENDRONS.

Rhododendrons. Jacs. Smits, Ltd., Naarden, Holland.

ROSES.

Roses, Richmond, 2½-in., $5 per 100; $40 per 1,000; 3-in., $6 per 100; $50 per 1,000. Kaiserin, 3-in., $4 per 100; $35 per 1,000. Am. Beauty, 2½-in., $6 per 100; $50 per 1,000; 3-in., $7 per 100; $60 per 1,000. Liberty, 2½-in., $3 per 100; $25 per 1,000. Sunrise, 2½-in., $5 per 100; $40 per 1,000. Chatenay, 2½-in., $4 per 100; $35 per 1,000. Ivory, 2½-in., $2.50 per 100; $22.50 per 1,000. Perle, 2½-in., $4 per 100; $35 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

Roses, Chatenay, 3½-in., $6.50 per 100; $60 per 1,000; 2½-in., $3.50 per 100; $30 per 1,000. Kaiserin, 2½-in., $4 per 100; $35 per 1,000. G. Gate, 2½-in., $3.50 per 100; $30 per 1,000; 3½-in., $6 per 100; $55 per 1,000. English, 2½-in., $5 per 100. Uncle John, 3½-in., $6 per 100; $50 per 1,000. Am. Beauty, 3-in., $5 per 100; 3½-in., $6; 4-in., $7.50. Perle, 3½-in., $6.50 per 100. Sunrise, 3½-in., $6.50 per 100. Poehlmann Bros., Morton Grove, Ill.

Roses, Richmond, 2½-in., pots, $7 per 100; $60 per 1,000; 3-in., $8 per 100; $75 per 1,000; 4-in., $12 per 100; $100 per 1,000. Killarney, 2½-in. pots, $7 per 100; $65 per 1,000; 3-in. $8 per 100; $75 per 1,000; 4-in., $12 per 100; $100 per 1,000. Baby Rambler, 2½-in., $7 per 100; $65 per 1,000; grafted 3-in., in bloom, $15 per 100; $125 per 1,000; 4-in., ready to bloom, $3 per doz.; $25 per 100; 6-in., $6 per doz. Vaughan's Seed Store, Chicago and New York.

Roses, 2½-in. pots, Cr. Rambler, Wood, La France, Meteor, G. Gate, Notting, $2.50 per 100; $20 per 1,000. Diesbach, Masson, Laing, Caprice, $3 per 100; $25 per 1,000. 4-in. pots, own root, Baby Rambler, $20 per 100; Cr. and Yel. Rambler, $6 per 100; Charta, Masson, Diesbach, Wood, $7 per 100; Neyron, Laing, $8 per 100. Leedle Floral Co., Springfield, O.

Roses, 2½-in. pots, own roots: C. Rambler, Vick's Caprice, De Brabrant, Ivory, Malmaison, Phila. Rambler, Meteor, M. Neil, H. Gould, Mme. Masson, $2 per 100; $15 per 1,000. Gen. Jacq. Mme. Wood, Magna Charta, $2 per 100; $20 per 1,000. C.M. Niuffer, Springfield, O.

Roses, grafted, Killarney, 3½-in. pots, $18 per 100. Liberty, Kaiserin, Maids, Wootton, 3½-in., $15 per 100. Own root, Richmond, Perle, 3-in., $8 per 100. Bride, Maid, G. Gate, Kaiserin, Liberty, Wootton, 3-in., $6 per 100. J. L. Dillon, Bloomsburg, Pa.

Rose plants, Beauties, 3-in. pots, $6 per 100; Chatenay, 3-in. pots, $4 per 100; Bride and Maids, 4-in. pots, $5 per 100. This stock is first-class in every respect and we guarantee satisfaction. Wm. L. Rock Flower Co., Kansas City, Mo.

Roses, Bride, Maid, 3-in., $6 per 100. Liberty, 3-in., $6 per 100; 2¼-in., $5 per 100. Leo. Niessen Co., 1217 Arch St., Philadelphia.

Roses, Maid and Graham, 3-in., $5 per 100; $45 per 1,000. Nathan Smith & Son, Adrian, Mich.

Roses. To close out gilt-edged rose stock. Richmond, 3-in., Wellesley, 4-in., $6 per 100; $50 per 1,000. Grafted, strong plants. Maids, $10 per 100; Golden Gate, $6 per 100. S. J. Reuter, Westerly, R. I.

Roses, Richmond, 3-in., $8 per 100; $70 per 1,000. Maid, 4-in., $5 per 100; $45 per 1,000. Killarney, 3-in., $8 per 100. Perle, 3-in., $4 per 100. C. H. Totty, Madison, N. J.

Roses, 2½ and 3-in. rose pots, Am. Beauty, Bride, Meteor, G. Gate, Chatenay, Richmond, Maid, Ivory, Perle, Souv. Wootton, Kaiserin. Geo. A. Kuhl, Pekin, Ill.

Roses, Richmond, own root, 3-in., $50 per 1,000. Chatenay, 2½-in., $25 per 1,000. Maid, 3-in., $40 per 1,000; 2½-in., $25 per 1,000. E. G. Hill Co., Richmond, Ind.

Roses, Bride, Maid, Golden Gate, Chatenay, 3-in., $4 per 100. Richmond, $7. Liberty, grafted, $8 per 100. Warrendale Floral Co., St. Paul, Minn.

Roses, 3-in., Bride, Maid, Meteor, Richmond, Chatenay, $3 per 100. Bride, Maid, Richmond, 2½-in., $2 per 100. W. H. Gullett & Sons, Lincoln, Ill.

Roses, Am. Beauty, 3 and 3½-in., $20 per 1,000 Maid, 3½-in., 3½c. Brant & Noe Flo. Co., W. Peterson and N. 48th Aves., Chicago.

Rose, Queen Beatrice, finest forcing pink, to be disseminated spring if 1907. F. H. Kramer, 916 F St., N. W., Washington, D. C.

Roses, Ivory, Bride, Maid, 4-in., $5 per 100. Ivory, Uncle John, G. Gate, 3½-in., $4 per 100. J. W. Dunford, Clayton, Mo.

Roses, from 2½-in. pots, Ivory, G. Gate, Bride, Maid, Chatenay, Mrs. J. W. Crouch, 709 Market St., Chattanooga, Tenn.

Roses, grafted and own root, Bride, Maid, Liberty, Wellesley, Richmond, Killarney. W. H. Elliott, Brighton, Mass.

Roses, over 1,000 vars. on own roots, all sizes. Dingee & Conard Co., West Grove, Pa.

Roses, field-grown for forcing. W. & T. Smith Co., Geneva, N. Y.

Roses, Bride, Maid, 3-in., $5 per 100. Ludvig Mosbaek, Onarga, Ill.

Roses, field, own roots. California Rose Co., Pomona, Cal.

Roses, climbing plants. Jacs Smits, Ltd., Naarden, Holland.

Roses, leading vars. Jackson & Perkins, Newark, N. Y.

Roses, from 3-in. pots. Wood Bros., Fishkill, N. Y.

SANSEVIERIAS.

Sansevieria Jav. Var., 4-in., $2 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

SANTOLINAS.

Santolinas, 2½-in., $2.50 per 100. Extra fine for borders and bedding. Geo. M. Brinkerhoff, Springfield, Ill.

SEEDS.

Seeds, Asparagus, A. plumosus nanus. Northern greenhouse grown seed, 100 seeds, 60c; 250 seeds, $1.15; 1,000 seeds, $4.50. Southern greenhouse grown, 1,000 seeds, $2.50; 5,000 seeds, $10. A. plumosus robustus, 100 seeds, $1; 1,000 seeds, $9. Decumbens, 100 seeds, 50c; 1,000 seeds, $4. Comorensis, 100 seeds, $1. 1,000 seeds, $7.50. Cash discount 2 per cent. Vaughan's Seed Store, Chicago and New York.

Seeds, California seeds, Cosmos, tall, pink, white or yellow, per lb., $1.50. Nasturtiums, tall, Jupiter or Croesus, per lb., 40c. Sweet peas, separate colors, per lb., 20c; California Giants, mixed, per lb., 18c. Petunias, Giants of California, ⅛ oz., $3. F. Gilman Taylor Seed Co., Glendale, Cal.

Seeds, cyclamen, snow flaked, 100 seeds, $1; 1,000 seeds, $7; lilac color, 100 seeds, 65c; 1,000 seeds, $4. Salmon pink, 100 seeds, $1; 1,000, $6. Fringed vars., all colors, 100 seeds, 75c; 1,000 $5. Geo. Huber, Gotha, Germany.

Seeds of all kinds. A. T. Boddington, 342 W. 14th St, New York.

Seeds, pansy, Vaughan's giant named varieties: Giant White, tr. pkt., 10c; ⅛ oz., 20c; oz., $1.20. Aurora, tr. pkt., 10c; ⅛ oz., 20c; oz., $1.30. Adonis, tr. pkt., 10c; ⅛ oz., 20; oz., $1.20. Auricula colors, tr. pkt., 10c; ⅛ oz., 20c; oz., $1.25. Black, tr. pkt., 10c; ⅛ oz., 20c; oz., $1.25. Beaconfield, tr. pkt., 10c; ⅛ oz., 20c; oz., $1.20. Freya, tr. pkt., 10c; ⅛ oz., 20c; oz., $1.30. Mme. Perret, tr. pkt., 20c; ⅛ oz., 50c; oz., $2. Pres. Carnot, tr. pkt., 10c; ⅛ oz., 25c; oz., $1.60. Pres. McKinley, tr. pkt., 10c; ⅛ oz., 25c; oz., $2. Pink, tr. pkt., 10c; ⅛ oz., 25c; oz., $2. Purple, tr. pkt. 10c; ⅛ oz., 20c; oz., $1. Violet Blue, tr. pkt., 10c; ⅛ oz., 20c; oz., $1. Striped, tr. pkt., 10c; ⅛ oz., 20c; oz., $1.20. Parisian striped, tr. pkt., 10c; ⅛ oz., 20c; oz., $1.30. Purple King, tr. pkt., 10c; ⅛ oz., 25c; oz., $1.50. Boulogne Giants, tr. pkt., 50c. Rosy Morn, tr. pkt., 25c; ⅛ oz., 60c. Marechal Niel, pkt., 10c. Siegfried, tr. pkt., 25c. Giant Volcano, tr. pkt., 25c. Giant Diana, tr. pkt., 10c; ⅛ oz., 25c; oz., $1.50. Atrosanguinea, tr. pkt., 10c; ⅛ oz., 25c; oz., $1.50. Emperor William, tr. pkt., 10c; ⅛ oz., 20c; oz., $1.25. Yellow, 4 oz., $4.25; tr. pkt., 10c; ⅛ oz., 20c; oz., $1.25. Cassier, 3 spotted, tr. pkt., 10c; ⅛ oz., 20c; oz., $1.20; 5 spotted, tr. pkt., 25c; ⅛ oz., 45c; oz., $3. Bugnot, tr. pkt., 25c; ⅛ oz., 60c; oz., $4.50. Giant Bridesmaid, tr. pkt., 25c; ⅛ oz., 45c; oz., $2.60. Giant, Psyche, tr. pkt., 25c; ⅛ oz., 70c; oz., $5. Giant Pretiosa, tr. pkt. (250 seeds), 25c; ⅛ oz., 35c; oz., $2.50. Special mixtures: International mixture, oz., $10; ½ oz., $5; ⅛ oz., $1.50; tr. pkt., 50c. Giant mixture, ¼ lb., $14; oz., $4; ⅛ oz., 60c; tr. pkt., 25c. Premium mixture, per pkt., 25c; ⅛ oz., 80c; ½ oz., $3; oz., $5.50. New Giant Curled, tr. pkt., 50c; ⅛ oz., 75c; ¼ oz., $1.35; oz., $5. Chicago Parks Bedding, pkt., 10c; ¼ oz., 30c; oz., 75c; 4 ozs., $2.50. Elite mixture, tr. pkt., 50c; ⅛ oz., $1. New Orchid-flowered, tr. pkt., 250 seeds, 25c. Improved German, per large pkt., 10c; ⅛ oz., 20c; ¼ oz., 30c; oz., $1. Cut Flower mixture, tr. pkt., 25c; ¼ oz., 80c; oz., $5.50. Vaughan's Seed Store, Chicago and New York.

Seeds, Rawson's Continental cyclamen, white, pink, red, white with claret base and mixed, 50c per 100 seeds; $4 per 1,000; Salmon pink, $2 per 100 seeds; $15 per 1,000. W. W. Rawson & Co., 5 Union St., Boston.

Seeds, L. C. Nungesser, Griesheim near Darmstadt, Germany, exporter and importer. Specialties: Selected grass and clover seeds, alfalfa of Province and Turkestan, free from dodder and cuscuta. Crimson clover.

Seeds, Brown's Giant, prize pansies, mixed, 3,000 seeds, $1; ¼ oz., $1.50; ⅛ oz., $2.50; 1 oz., $5; ¼ lb., $14; ½ lb., $25; lb., $50. Peter Brown, 124 Ruby St., Lancaster, Pa.

Seeds, Stoke's standard pansy, tr. pkt., 2,000 seeds, 50c; 5,000 seeds, $1; per oz., $5; ¼ lb., $14; ½ lb., $25. Stokes Seed Store, 219 Market St., Philadelphia.

Seeds, cineraria, large fld., mixed and semi-dwf. mixed, tr. pkt., 50c. Pansy mixed, oz., $4.50; ¼-oz., $1.15; ⅛-oz., 60c. W. C. Beckert, 103 Federal St., Allegheny, Pa.

Seeds, pansy, new crop, $1 per packet; $4 per oz.; $12 per ¼ lb. Pansy plants, $4 per 1,000. Cash. B. Soltau, 199 Grant Ave., Jersey City, N. J.

Seeds of all kinds, specialties: Onion, carrot, lettuce, sweet peas. Pacific Seed Growers' Co., 411 Sansome St., San Francisco, Cal.

Seeds, Florists' Inter. Pansy Mixture, oz., $6; ⅛ oz., 75c; Giant mixture, oz., $4; ⅛ oz., 75c. Ludvig Mosbaek, Onarga, Ill.

Seeds; prize pansy, tr. pkts., $1; Giant Market, 2,000 seeds; Giant Fancy, 600 seeds. A. Zirngiebel, Needham, Mass.

Seeds, Coronation pansy, mailed free, $2 per oz. Bedfordshire Seed Co., Ltd., Sandy, England.

Seeds, pansy, exhibition strain, tr. pkt., 30c; ⅛ oz., 60c; ¼ oz., $1; oz., $4. Holmes Seed Co., Harrisburg, Pa.

Seeds, all kinds of vegetable and flower seeds. C. C. Morse & Co., 171 Clay St., San Francisco, Cal.

Seeds, W Atlee Burpee Co., Philadelphia, Pa.

If you do not find what you need in our Ready Reference Department, write us about it.

Seeds, choice strains, cineraria, calceolaria, cyclamen, pansy, petunia, etc. Jas. Vick's Sons, Rochester, N. Y.

Seeds, asparagus plumosus, $3.50 per 1,000 seeds. J. M. Thorburn & Co., 33 Barclay st., New York.

Seeds, high grade grass, clover and tree seeds. Conrad Appel, Est., 1789, Darmstadt, Germany.

Seeds, 5,400 acres of garden seeds in cultivation. Braslian Seed Growers' Co., San Jose, Cal.

Seeds, pansy, 1,000 seeds, mixed, 25c; 1 oz., $2.25. H. Wrede, Luneburg, Germany.

Seed, pansy, large flowering, per oz., $4. Jos. H. Cunningham, Delaware, O.

SELAGINELLAS.

Selaginella Denticulata, 3-in., $1 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

SMILAX.

Smilax, first-class. Must be moved, hence the price, 2-in., $1 per 100; 2½-in., $1.50 per 100. John Beimford, Wilton Junction, Iowa.

Smilax, 2-in. pots, twice cut back, $1 per 100. Theo. G. Browne, 6948 Magnolia Ave., St. Louis, Mo.

Smilax, 3-in., $4 per 100; 2½-in., $2.50; early strings. W. H. Gullett & Sons, Lincoln, Ill.

Smilax, extra strong, twice cut back, $1.25 per 100; $10 per 1,000. J. C. Murray, Peoria, Ill.

Smilax, $2 per 100; $15 per 1,000. R. Vincent, Jr. & Son, White Marsh, Md.

Smilax, 2-in. pots, $1 per 100; $9 per 1,000. W. T. Buckley Co., Springfield, Ill.

Smilax, $1 per 100; $9 per 1,000. Jos. H. Cunningham, Delaware, O.

Smilax, $1.50 per 100; $12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Smilax, from 2-in. pots, $2.50 per 100. Eli Cross, Grand Rapids, Mich.

Smilax, 2½-in. pots, $1.50 per 100. J. L. Dillon, Bloomsburg, Pa.

Smilax. Wood Bros., Fishkill, N. Y.

Smilax. Geo. A. Kuhl, Pekin, Ill.

SPIREAS.

Spireas, Gladstone and Superba. L. van Leeuwen & Son, Sassenheim, Holland.

Spirea van Houtte. W. & T. Smith Co., Geneva, N. Y.

Spireas. Jacs Smits, Ltd., Naarden, Holland.

VINCAS.

Vinca, Var., 3-in. J. C. Ure, 2843 Evanston Ave., Chicago.

VIOLETS.

Violets, Gov. Herrick, new single violet, good keeper; rooted cuttings, $2 per doz.; $10 per 100; $75 per 1,000; 5,000 or more, $60 per 1,000. H. R. Carlton, Willoughby, O.

Violets, Princess of Wales, $2 per 100; $15 per 1,000; 500 at 1,000 rates; 5,000 lots at $14 per 1,000; 10,000 lots, $13 per 1,000. Wm. Sim, Cliftondale, Mass.

Violets, Gov. Herrick, 2½-in., $10 per 100; $80 per 1,000. W. A. Calhoun, 3226 Euclid Ave., E. Cleveland, O.

Violets, California, 3½-in., $4 per 100. J. W. Dunford, Clayton, Mo.

Violets. Wood Bros., Fishkill, N. Y.

WHOLESALE CUT FLOWERS.

Commission Dealers.

Allen, J. K., 106 W. 28th St., New York.

Amling, E. C., 32-36 Randolph St., Chicago.

Berning, H. G., 1402 Pine St., St. Louis.

Cleveland Cut Flower Co., 215 Huron road, Cleveland, O.

Deamud, J. B., Co., 51 Wabsh Ave., Chicago.

Flower Growers' Market, 60 Wabash Ave., Chicago.

Ford Bros., 48 W. 28th St., New York.

Froment, Horace E., 57 W. 28th St., New York.

Guttman, Alex. J., 43 W. 28th St., N. Y.

Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Henshaw, A. M., 52 W. 28th St., New York.

Horan, Edward C., 55 W. 28th St., N. Y.

Hunt, E. H., 76 Wabash Ave., Chicago.

Kennicott Bros. Co., 40-44 Randolph St., Chicago.

Kessler, Phil. F., 55 W. 26th St., N. Y.

Kuehn, C. A., 1122 Pine St., St. Louis.

Langjahr, Alfred H., 55 W. 28th St., New York.

McCullough Sons Co., J. M., 316 Walnut St., Cincinnati, O.

McKellar, Chas. W., 51 Wabash Ave., Chicago.

McKissick, W. E., 1221 Filbert St., Phila.

Michigan Cut Flower Exchange, 38-40 Miami Ave., Detroit, Mich.

Murdoch, J. B. & Co., 545 Liberty Ave., Pittsburg, Pa.

N. Y. Cut Flower Ex., Coogan Bldg., 6th Ave. and W. 26th St., New York.

Niessen Co., Leo, 1217 Arch St., Phila.

Pennock, S. S., Philadelphia.

Pittsburg Cut Flower Co., Ltd., 504 Liberty Ave., Pittsburg, Pa.

Pittsburg Florists' Exchange, 217-223 Diamond St., Pittsburg, Pa.

Pollworth, C. C. Co., Milwaukee, Wis.

Randall, A. L. Co., 19 Randolph St., Chicago.

Raynor, John I., 49 W. 28th St., N. Y.

Rice Bros., 128 N. 6th St., Minneapolis, Minn.

Seligman, John, 56 W. 26th St., N. Y.

Sheridan, Walter F., 39 W. 28th St., New York.

Traendley & Schenck, 44 W. 28th St., New York.

Vaughan & Sperry, 58-60 Wabash Ave., Chicago.

Welch Bros., 15 Province St., Boston.

Winterson, E. F. Co., 45-49 Wabash Ave., Chicago.

Young, A. L. & Co., 54 W. 28th St., New York.

Young, Thos., 43 W. 28th St., N. Y.

Zech & Mann, 51 Wabash Ave., Chicago.

Growers.

Bassett & Washburn, 76-78 Wabash Ave., Chicago.

Benthey-Coatsworth Co., The, 35 Randolph St., Chicago.

Bruns, H. N., 1409-1411 W. Madison St., Chicago.

Budlong, J. A., 37-39 Randolph St., Chicago.

Chicago Rose Co., 56-58 Wabash Ave., Chicago.

Hill, The E. G. Co., Richmond, Ind.

Jensen & Dekema, 674 W. Foster Ave., Chicago.

Metairie Ridge Nursery Co., New Orleans, La.

Peacock Dahlia Farms, Atco, N. J.

Poehlmann Bros. Co., 35-37 Randolph St., Chicago.

Reinberg, Peter, 51 Wabash Ave., Chicago.

Sinner Bros., 60 Wabash Ave., Chicago.

South Park Floral Co., Heller Bros., New Castle, Ind.

Weiland & Risch, 59 Wabash Ave., Chicago.

Wietor Bros., 51 Wabash Ave., Chicago.

Wilcox, J. F., Council Bluffs, Iowa.

Wittbold, Geo. Co., 1657 Buckingham Place, Chicago.

RETAIL CUT FLOWERS.

Atlanta Floral Co., 41 Peachtree St., Atlanta, Ga.

Berterman Bros. Co., 241 Massachusetts Ave., Indianapolis, Ind.

Breitmeyer's John, Sons, cor. Miami and Gratiot Aves., Detroit, Mich.

Cooke, Geo. H., Connecticut Ave. and L. St., Washington, D. C.

Daniels & Fisher, Denver, Col.

Donohoe, W. H., 2 W. 29th St., N. Y.

Eyres, H. G., 11 N. Pearl St., Albany, N. Y.

Gude, A. & Bro., 1214 F St., Washington, D. C.

Hansen, Mrs. M. A., Galveston, Tex.

Hauswirth, P. J., Audit. Annex, Chicago.

Hess & Swoboda, 1415 Farnum St., Omaha, Neb.

Holm & Olson, St. Paul, Minn.

Kellogg, Geo. M., 906 Grand Ave., Kansas City, Mo., also Pleasant Hill, Mo.

Lange, A., 40 E. Madison St., Chicago.

Mayberry & Hoover, 1339 14th St., N. W., Washington, D. C.

Mills, The Florist, 36 W. Forsyth St., Jacksonville, Fla.

Murray, Samuel, Coates House Con., 1017 Broadway, Kansas City, Mo.

Park Floral Co., The, Denver, Col.

Palmer's, Buffalo, N. Y.

Schulz, J., 644 4th Ave., Louisville, Ky.

Virgin, Uriah J., 833 Canal St., New Orleans, La.

Weber, Fred C., 4320-28 Olive St., St. Louis, Mo.

Wilcox, J. F., Council Bluffs, Iowa.

Wilson, Robert G., Brooklyn, N. Y.

BOILERS.

Boilers, improved greenhouse boilers, made of best material; shell firebox sheets and heads of steel; water space all around (front, sides and back), Kroeschell Bros., Co., 45 Erie St., Chicago.

Boilers, horizontal, tubular boilers, 10 to 150 H. P. Boiler tubes, 2 to 6 in. Chicago House Wrecking Co., W. 35th and Iron Sts., Chicago.

Boilers, Gurney heaters, heat by steam or hot water. Gurney Heater Mfg. Co., 111 5th Ave., N. Y.; 74 Franklin St., Boston.

Boilers, the Burnham boilers, made for greenhouse heating. Lord & Burnham Co., 1133 Broadway, New York.

Boilers, corrugated, fire box and sectional, greenhouse heating. Hitchings & Co., 1170 Broadway, New York.

Boilers, boilers of high grade for greenhouses. Steam and hot water. Giblin & Co., Utica, N. Y.

Boilers, water tube steam boilers. King Construction Co., N. Tonawanda, N. Y.

Boilers, write for prices. Johnston Heating Co., 1133 Broadway, N. Y.

BOXES.

Cut Flower Boxes, water-proof; corner lock style. No charge for printing on orders above 250 boxes. Livingston Seed Co., Columbus, O.

Cut Flower Boxes; send for prices. Edwards Folding Box Co., Philadelphia, Pa.

BUILDING MATERIAL.

Building material, lumber for greenhouse benches. Ship lap, drop siding, sheathing, flooring, white cedar posts, etc. We are in special position to furnish "Pecky Cypress;" everything in pine and hemlock building lumber. Adam Schillo Lumber Co., cor. Weed St. and Hawthorne, Chicago.

Building Material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouses and other building material. Men furnished to superintend erection when desired. A. T. Sterns Lumber Co., Neponset, Boston, Mass.

Building Material, cypress sash bars. Tennessee red cedar posts, pecky cypress benches, hotbed sash and frames, ventilating apparatus, pipe, fittings, and all supplies needed in new or reconstruction work. Foley Mfg. Co., 471 W. 22nd St., Chicago.

Building Material. Our designs embody best features of greenhouse construction. Best grade gulf cypress used. Red cedar posts, iron fittings, hotbed sash. Lockland Lumber Co., Lockland, O.

Greenhouse material of all kinds for greenhouse heating. Johnston Heating Co., 1133 Broadway, New York.

If you do not find what you need in our Ready Reference Department, write us about it.

Building Material, cypress sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 111-125 Blackhawk St., Chicago.

Building Material, hotbed sash, 2,500 3x6 ft. new frames, glazed, $1.80 each. Sash, doors. Chicago House Wrecking Co., W. 35th and Iron Sts., Chicago.

Building Material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 617 Sheffield Ave., Chicago.

Building Material of all descriptions, cold frames, hotbed sash, etc. Lord & Burnham Co., 1133 Broadway, New York.

Building Material for U-Bar greenhouses. Pierson U-Bar Co., Metropolitan Bldg., 4th Ave. and 23rd St., N. Y.

Building Material, cold frames, hotbed sash of every description. Hitchings & Co., 1170 Broadway, New York.

Building Material of all kinds. S. Jacobs & Sons, 1365-79 Flushing Ave., Brooklyn. N. Y.

GLASS.

Glass importers and jobbers; greenhouse glass a specialty. Window glass. James H. Rice, corner Michigan, St. Clair and Illinois Sts., Chicago.

Glass, plate and window glass, greenhouse glass a specialty. Sprague-Smith Co., 167-169 Randolph St., Chicago.

Glass, a lot of 16x18 A and B double strength, at low price. A. Dietsch Co., 617 Sheffield Ave., Chicago.

Glass, window glass. Greenhouse glass a specialty. H. M. Hooker Co., 50 W. Randolph St., Chicago .

Glass, French and American "White Rose" brand. Stenzil Glass Co., 2 Hudson St., New York.

Glass, all kinds and sizes. Sharp, Partridge & Co., 22nd and Lumber Sts., Chicago.

Glass roofing. Chicago House Wrecking Co., W. 35th and Iron Sts., Chicago.

GLAZING POINTS.

Glazing Points, see the point? Holds glass firmly. Peerless glazing points are the best. No right or lefts. Box of 1,000 points, 75c, postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

GREENHOUSE CONSTRUCTION.

Greenhouse Construction, Eureka greenhouse the best and lowest in price. All houses erected at factory and shipped to purchaser with blue prints, photographs and plain directions so any person can put up. Dillon Greenhouse Mfg. Co., Bloomsburg, Pa.

Greenhouse Construction, builders of greenhouses for private estates, institutions, parks, etc. Pierson U-Bar Co., Metropolitan Bldg., 4th Ave. and 23d St., New York.

Greenhouse Construction, every type of iron frame or wooden construction. Best workmanship, right prices. Weathered Company, 46-48 Marion St., New York.

Greenhouse Construction, sash bar greenhouses, New Truss construction and iron frame houses. Lord & Burnham Co., 1133 Broadway, New York.

Greenhouse Construction, builders of every type of greenhouses; the most modern designs. Hitchings & Co., 1170 Broadway, New York.

GUTTERS.

Gutters, Garland's gutters will keep snow and ice off your glass. A sample of our gutter is on exhibition at Chicago Flower Growers' Market. Geo. M. Garland, Des Plaines, Ill.

Gutters, Lord & Burnham Improved V-shape gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, New York.

Gutters, new duplex gutter, only drip proof gutter on the market. E. Hippard, Youngstown, O.

Gutters, Jennings, improved iron gutter. Diller, Caskey & Co., Sixth and Berk Sts., Philadelphia.

INSECTICIDES.

Fumigating Supplies, vaporizing pans for tobacco extracts, improved. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

Fumigating Supplies, tobacco dust for fumigating. Edwin L. Koppelman & Co., 81 Pine St., New York.

Fumigating Supplies, tobacco powder and stems. The H. A. Stoothoff Co., 117 West St., New York.

Insecticide, Nicoticide Bug Killer, the best bug killer and bloom saver. P. R. Palethorpe Co., Louisville, Ky.

Insecticides, Carman's Antipest insecticide and fungicide, $1.50 per gal. Perfection Chemical Co., Flushing, N.Y.

HOSE.

Hose, garden. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

LAWN MOWERS.

Lawn Mower. The Clipper, lawn mower, No. 1, 12-in., $5; No. 2, 15-in., $6; No. 3, 18-in., $7; No. 4, 21-in., $8. Draft, money order or reg. letter. Clipper Lawn Mower Co., Dixon, Ill.

LEAF MOLD.

Leaf-mold, $1 per bag. A. Schultheis, 19th and 4th Ave., College Point, L. I., N. Y.

MASTICA.

Mastica, for glazing greenhouses.. F. O. Pierce Co., 170 Fulton St., New York.

METAL DESIGNS.

Metal designs, send for prices. A. Hermann, 404-12 E. 34th St., New York.

MISCELLANEOUS.

Engravings, best engravings and illustrations of every description for catalogues. Send for estimates, Globe Eng. & Elec. Co., 427 Dearborn St., Chicago.

Florists' overdue accounts and bad debts collected by the National Florists' Board of Trade, 56 Pine St., N. Y.

Printing, large runs of catalogues a specialty. Write for figures. Regan Printing House, 89-91 Plymouth Place, Chicago.

PAINT, PUTTY, ETC.

Paint, Ideal Greenhouse Lead; Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, New York.

Paint, Putty, etc., H. M. Hooker Co., 59 W. Randolph St., Chicago.

Paint, Putty, etc. The Jas. H. Rice Co., 80-82 Wabash Ave., Chicago.

PIPE, FITTINGS, ETC.

Pipe, iron fittings, etc., galvanized iron sash hinges, screw eyes, screw hooks, U bolts, galvanized iron buckles and wires. Fittings for purlin and ridge supports. Foley Mfg. Co., 471 W. 22d St., Chicago.

Pipe, 50 miles of wrought, all sizes, ⅜ to 16 in. Plumbing material, valves. Chicago House Wrecking Co., W. 35th and Iron Sts., Chicago.

Iron Fittings, patent iron bench fittings and roof supporters. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

A Bargain, 4-in., cast iron pipes, 5 feet lengths at 12c per foot. C. C. Pollworth Co., Milwaukee.

Iron Fittings, etc., send for prices. Lockland Lumber Co., Lockland, O.

POTS, PANS, ETC.

Pots, standard flower, 1½-in., $2.77 per 1,000; 2-in., $3.33; 2½-in., $3.88; 3-in., $5.27; 3½-in., $6.10; 4-in., $7.77; 4½-in., $10; 5-in., $13.60; 6-in., $22.20; 7-in., $4 per 100; 8-in., $6; 9-in., $8.88; 10-in., $13.33; 12-in., $22.22; 14-in., $38.88; 16-in., $66.66; 20-in., $1.25 each. Azalea pots and bulb pans same price. 2x2½-in. rose pots, $3.50 per 1,000. A. F. Kohr, 15 N. Leavitt St., Chicago.

Pots, standard, seed pans, cut flower cylinders, hanging baskets, lawn vases, etc. Hilfinger Bros. Pottery, Ft. Edward, N. Y.

Pots, standard flower pots. The Whildin Pottery Co., Philadelphia, Pa.; Jersey City, N. J.; Long Island City, N. Y.

Pots, before buying write for prices. Geo. Keller & Son, 361-63 Herndon St., near Wrightwood Ave., Chicago.

Pots, red standard. Paducah Pottery Co., Paducah, Ky.

Pots, red standards, full size and wide bottoms. Detroit Flower Pot Mfy., 490 Howard St., Detroit, Mich.

Pots, pots of all kinds. A. H. Hews & Co., No. Cambridge, Mass.; Long Island City, N. Y.

Pots, red standard, azalea pots. The Keller Pottery Co., 213-223 Pearl St., Norristown, Pa.

Pots, Syracuse red, Syracuse Pottery Co., Syracuse, N. Y.

Pot hangers, Kramer's $1 doz. by exp., $1.25 by mail. I. N. Kramer & Son, Cedar Rapids, Ia.

PUMPING ENGINES.

Pumping Engines, two streams of water for 1 hour cost 2 cents if you use a Standard pumping engine. The Standard Pump & Engine Co., Cleveland, O.

RAFFIA.

Raffia, samples free if you mention the American Florist. Large assortment of colors. R. H. Comey Co., Camden, N. J., 810-24 Washburn Ave., Chicago.

SEED CASES.

Seed cases, Heller's mice proof. W. C. Heller & Co., Montpelier, O.

STEAM TRAPS.

Steam Traps, the Standard return steam trap has no equal for its simplicity of working. E. Hippard, Youngstown, O.

SUPPLIES.

Supplies, milkweeds, wire designs cut wire, all kinds letters, immortelles, cycas leaves, sheaves of wheat, ribbons, corrugated boxes of all kinds. Henry M. Robinson & Co., 8-11 Province St., Boston, Mass.

Supplies, importers and manufacturers of florists' supplies. L. Baumann & Co., 78 Wabash Ave., Chicago.

Supplies, cape flowers, cycas leaves, metal designs, and all florists' supplies. A. Herrmann, 404-12 E. 34th St., New York.

Supplies, importers and manufacturers of florists' supplies. Reed & Keller, 122 W. 25th St., New York.

Supplies, wire designs, etc. The Cleveland Cut Flower Co., 215 Huron road, Cleveland, O.

Supplies, florists' wire designs and supplies. Emil Steffens, 335 E. 21st St., New York.

Supplies and novelties of all kinds. J. Stern & Co., 1928 Germantown Ave., Philadelphia.

Supplies, flower baskets, novelties. Riessner Bros., Lichtenfels, Bavaria.

Supplies of all kinds. Holmes Seed Co., Harrisburg, Pa.

Wilson's Plant Oil for all kinds of plants. In 4-oz. to 1-gal. sizes. Andrew Wilson, 437 Springfield Ave., Summit, N. J.

Everlasting Stake Fastener, $3 per 1,000. Eureka Stake Fastener, $1.50 per 1,000. A. Corts & Son, Wyncote, Pa.

TOOTHPICKS.

Toothpicks, wired, $1.50 per 10,000; $6.25 per 50,000. W. J. Cowee, Mfr., Berlin, N. Y.

VENTILATING APPARATUS.

Ventilators, the Standard ventilating machinery; original machine with self-oiling cups, most powerful, least complicated, very compact E. Hippard, Youngstown, O.

Ventilators, The Advance Ventilating Apparatus. Write for estimates and circulars. The Advance Co., Richmond, Ind.

Ventilators, Evans' Improved Challenge ventilating apparatus. Quaker City Machine Works, Richmond, Ind.

Ventilating Apparatus. Send for circulars. Diller, Caskey & Co., cor. 6th and Berk Sts., Philadelphia.

Ventilating apparatus for every type of greenhouses. Lord & Burnham Co., 1133 Broadway, New York.

If you do not find what you need in our Ready Reference Department, write us about it.

Ventilating Apparatus for greenhouses. Weathered Co. Box 789, New York City.

Ventilators, hand ventilating, etc. The King Construction Co., N. Tonawanda, N. Y.

Ventilators, ventilating apparatus of all kinds. Hitchings & Co., 1170 Broadway, New York.

Ventilators, New Departure ventilating appliance. J. D. Carmody, Evansville, Ind.

Ventilating, new Wolf Pipe Ventilating machines. A. Q. Wolf & Bro., Dayton, O.

WEED KILLER.

Eureka Weed Killer, saves weeding and keeps paths. Large size tin, enough for 100 sq. yards, 75c. Vaughan's Seed Store, Chicago and New York.

WIRE SUPPORTS.

Wire supports, model extension carnation supports, galvanized wire rose stakes, tying wires, single and dbl. pot hangers. Igoe Bros., 63 Metropolitan Ave., Brooklyn, N. Y.

Kansas City.

THE MARKET.

Electric fans, ice water and cool places have been things much sought the past week. Even these requisites prove to be of little comfort to the sweltering humanity. The city the past week has experienced a touch of genuine summer, the thermometer registering from 80° to 90° daily. Growers are planting stock with much difficulty as it is an everyday occurrence for three or four men to drop out on account of the heat. Trade among the retailers is practically at a standstill. In the fashionable residence districts curtains are drawn, and a deserted appearance is noticeable. Without a doubt, the egress to other lands this summer is greater than at any previous season. The cut stock situation is showing a slight improvement in both quality and quantity. American Beauty roses are small and presentable blooms are almost unobtainable. Kaiserin is about the best thing to be seen in the market and these find ready sale. Bride, Bridesmaid, Chatenay, Richmond and Liberty are fairly good but hardly deserve a quotation on account of scarcity. Killarney, from all appearances, is making a splendid summer rose, chiefly due to its splendid keeping qualities. Carnations are scarce and poor. When shipped in during this warm weather, we find they do not stand to be displayed outside the ice box. Asters and gladioli are everywhere. Phlox, lilies, golden glow, and all outdoor flowers are arriving in larger quantities.

NOTES.

Signs of rebuilding, repairing and cleaning up prevail at every establishment. Geo. M. Kellogg is making extensive improvements at his store.

Frank Menchart, of Leavenworth, Kans., was in the city recently purchasing fixtures for a new store he proposes to establish in that city.

John Schneider undoubtedly anticipated the advent of the warm spell. He left a few days ago for the vicinity of Salt Lake City.

We are pleased to report that R. S. Brown has fully recovered from his illness and is again able to be at his duties.

W. L. Rock is in Chicago this week purchasing material for 10 new houses which his company will erect this fall.

Chas. Heite has about finished benching his carnations which he thinks are the best planted so far.

Miss Daley manages to have on hand a nice assortment of stock in spite of the prevailing scarcity.

Wm. Bastain has about the finest gladioli in the market; they came from Lexington, Mo.

M. E. Chandler is supplying the trade with a large amount of asters.

H. Lambach, of L. Baumann & Co., Chicago, was a recent caller.

Fred Fromhold has returned.

K. C.

St. Louis.

TRADE SLOW.

The market the past week was very slow. At the wholesale houses there is nothing doing. No orders on the files. Very little shipping, though occasionally an order or two. Gladioli have been very plentiful but at time of writing appear to be shortening up. Asters are plentiful. Some good Semple asters are in which bring good prices. A few good roses are in the market but the majority of the new crop is very small and almost unsalable. A few good Richmond roses are coming in, but the retailers don't seem to care for them, as their keeping qualities are very poor these hot days. American Beauty is improving a little in color and size. Some good double tuberoses are in the market.

NOTES.

Geo. M. Kellogg, of Pleasant Hill, Mo., who was in the city last week, was hunting a good carnation grower. He expects to go largely into carnation growing this fall, also he is going to increase his American Beauty supply.

A rate of $12 to Dayton has been obtained. It is expected a large delegation will leave St. Louis.

W. W. Stertzing is bringing some good carnations and fine double tuberoses.

C. A. Kuehne is receiving some fine Semple asters, also some first class roses.

Jas. Arado, with Young & Sons, has just returned from his vacation.

Andrew Meyer was very busy the past week with funeral work.

W. F.

Louisville.

BUSINESS SLOW.

Business was very slow the past week, probably due to the very few funerals, and naturally stock in general was in very good supply. Carnation planting from the field has now begun, and nearly everyone is planting earlier than usually is the case. Plenty of rain has no doubt caused them to get the required size earlier. The supply of roses is good, and the quality and demand satisfactory. Carnations are very poor in quality, and the supply and demand are slow. Asters are of fair quality, the supply and demand being up to expectations. Lilium auratum is not so plentiful, the quality and demand being satisfactory. The supply of Shasta daisies is shortening; however, there are plenty to supply the demand. Hardy phlox remains in good supply with the demand fair. Green goods are in adequate supply. Other stock can be had in suitable quantities, with an occasional demand.

NOTES.

The Kentucky Society of Florists will hold its regular monthly meeting at 8 p. m., August 7. Members will confer a very appreciative favor upon the officers by attending, expressing their views, etc., and helping in general in putting the club where it belongs.

Too bad more of the bowlers didn't see Louis Kirch break the record Saturday night. Get him to tell you about it.

Wm. G. Walker, son of Wm. Walker, left Saturday morning for Niagara Falls and other points of interest.

Jacob Schulz has about finished carnation planting.

F. L. S.

Toledo, O.

The monthly meeting of our Florists' Club was held July 26, only 15 members attending. We had quite a lively time as convention matters were on the programme. The Detroit club asked us to come to Detroit and join them on a boat ride to Cleveland, whence we could go with the Clevelanders to Dayton, but this idea did not seem to have many supporters among our members. We have in a way set our heart on a trolley ride in one of those new limited cars to Dayton, the trip only taking 4½ hours and if we go this will be the way. It is a question if very many will go, most are so situated that they cannot very well leave their places.

Our club is trying a new scheme to attract its members. Prizes for cut-flowers are on trial and a grand prize of $1 has been offered for the best collection of at least six different cannas, to be shown at the next meeting. Geo. Bayer has offered a prize of $3 for the best blooms of asters at the next meeting. There must be a dozen of each color, white, pink, purple and lavender, any variety and the prize may be divided among different competitors in case no one can show all the four colors.

Heavy rains have been the daily routine of business for the last few weeks, hail-storms have done heavy damage to the nearby farmers, but the florists suffered no loss as far as glass is concerned. The leaves of cannas are all ripped in shreds and all are glad that they got off so easy.

S. N. Peck is getting nervous, because the builders are slow in sending his greenhouse material; it was promised a couple of weeks ago, but nothing doing so far.

S.

STANDARD FLOWER POTS

No Charge for Crates or Packing.

Inches	per 1000	Inches	per 100
1½	$ 2.77	7	$ 4.00
2	3.33	8	6.00
2½	3.88	9	8.88
3	5.27	10	13.33
3½	6.10	12	22.22
4	7.77	14	38.88
4½	10.00	16	66.66
5	13 60	20	each. 1.25
6	22.20		

Azalea Pots and Bulb Pans same as **Standard Pots** 2 and 2½-in Rose Pots, $3.50 per 1000. These pots are **carefully made,** very strong and porous. Liberal count is given, thereby protecting our patrons against possible breakage. **Above prices subject to 10 per cent. discount for cash.**

A. F. KOHR, 15-21-23-25 N. Leavitt St, **Chicago.**

The Whilldin Pottery Co.

STANDARD FLOWER POTS

Our output of Flower Pots is larger than any concern in the World
Our Stock is always Large and Complete

Main Office and Factory,

713 WHARTON STREET, PHILADELPHIA

Warehouses: JERSEY CITY, N. J. LONG ISLAND CITY, N. Y.

CLIPPER LAWN MOWER CO DIXON ILL.

The Mower that will **kill all the Weeds in your Lawn.** If you keep the weeds cut so they do not go to seed and cut your grass without breaking the small feeders of roots, the grass will become thick and the weeds will disappear.

The Clipper will do it. Ask your dealer for them. If they have not got them, below is the price: No. 1—12-inch Mower $5; No. 2—15-inch Mower, $6; No. 3—18-inch Mower, $7; No. 4—21-in. Mower, $8. Send draft, money-order or reg. letter.

THE BEST Bug Killer and Bloom Saver.

For **PROOF** Write to

P. R. PALETHORPE COMPANY,

LOUISVILLE, KY.

GEO. KELLER & SON,
MANUFACTURERS OF
FLOWER POTS.
Before buying write for prices.
361-363 Herndon Street, near Wrightwood Ave.,
CHICAGO, ILL.

Red Standard Flower Pots

Price list and samples on application.

PADUCAH POTTERY CO., Inc.

PADUCAH, KENTUCKY.

THE BLACK STUFF FINE TOBACCO
FOR DUSTING IS GROUND VERY FINE FROM THE HEAVY PURE LEAF
LET US TELL YOU ABOUT IT
THE H·A·STOOTHOFF CO. 116 WEST ST. NEW-YORK

THE KELLER POTTERY COMPANY,

Manufacturers of **FLORISTS' RED STANDARD POTS.**

Azalea Pots, Bulb and Fern Pans, Etc.

Write for Price List. 213-15-17-19-21-23 Pearl St., NORRISTOWN, PA.

Standard Flower Pots!

Packed in small crates, easy to handle.

	Price per crate		Price per crate
1500 2-in., in crate,	$4 88	120 7-in., in crate,	$4 20
1500 2¼ "	5.25	60 8 "	3.00
1500 2½ "	6.00	HAND MADE.	
1000 3 "	5.00	48 9-in., in crate,	$3.60
800 3½ "	5.80	48 10 "	4.80
500 4 "	4.50	24 11 "	3.60
320 5 "	4 51	24 12 "	4.80
144 6 "	3.16	12 14 "	4.80
		6 16 "	4.50

Seed pans, same price as pots. Send for price list Cylinders for Cut Flowers, Hanging Baskets, Lawn vases, etc. Ten per cent off for cash with order. Address

HILFINGER BROS. POTTERY, Fort Edward, N. Y
or AUGUST ROLKER & SONS, New York Agents,
31 Barclay Street, New York City.

THOSE RED POTS

"STANDARDS"

FULL SIZE AND WIDE BOTTOMS.
BULB PANS AND AZALEA POTS.

DETROIT FLOWER POT M'F'Y.

HARRY BALSLEY, Rep. DETROIT, MICH. 490 Howard St.

Kramer's Pot Hangers

For Sale by Wholesale Seedsmen, Florists and Supply Dealers.

Price, $1.00 per dozen by express. Sample dozen by mail, $1.25.

I. N. Kramer & Son, CEDAR RAPIDS, IOWA.

REED & KELLER,

122 W. 25th St., NEW YORK.

FLORISTS' SUPPLIES.

We manufacture all our **Metal Designs, Baskets, Wire Work & Novelties** and are dealers in **Glassware, Pottery, Decorative Greens and all Florists' Requisites.**

GLASS

GOOD BRANDS.
QUICK SHIPMENTS.
LARGE STOCK.

Warehouse on railroad switch. **Be Sure and Get Our Prices.**

SHARP, PARTRIDGE & CO.,

22nd and Lumber Sts., CHICAGO.

SPRAGUE, SMITH CO.

JOBBERS AND MANUFACTURERS OF

Window Glass.

GREENHOUSE GLASS
A SPECIALTY.

167-169 Randolph St., CHICAGO.

Le Journal des Roses.

Organ of the French Rosarians.

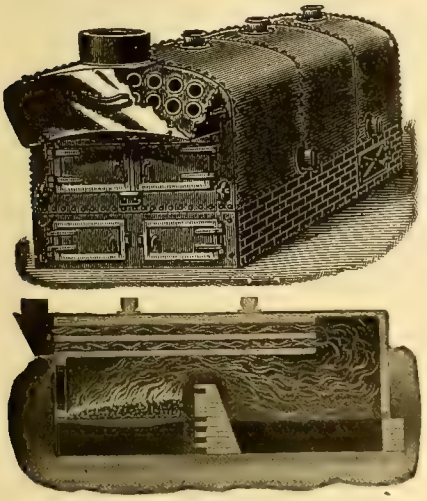
Published at Paris. Once a month with colored plates.

Subscription $2.70 per Year. Sample Copies Free.

ADMINISTRATION DU SUISNES JOURNAL DES ROSES
a SUISNES, Brie,
a Grisy-Suisnes. (Seine et Marne), FRANCE.

Please mention the American Florist when writing.

KROESCHELL BROS. CO.
IMPROVED
Greenhouse Boiler
45 Erie Street, CHICAGO.



Boilers made of the best of material, shell, fire-box sheets and heads of steel, water space all around (front, sides and back). Write for information.
Please mention the American Florist when writing.

CUT FLOWER BOXES
WATERPROOF Corner Lock Style.

The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always.

Size No.		Per 100	Per 1000
0.	3x 4x20	$2.00	$19.00
1.	3x 4½x16	1.90	17.50
2.	3x 6x18	2.00	19.00
3.	4x 8x18	2 50	23.00
4.	3x 5x24	2.75	26.00
5	4x 8x22	3.00	28.50
6.	4x 8x28	3.75	36.00
7.	6x16x20	5.50	54.00
8.	3x 7x21	3.00	28 50
9.	5x10x35	6 50	62.00
10.	7x20x20	9.50	67.50
11.	3½x5x30	3.00	28.50

Sample free on application. No charge for printing on orders above 250 boxes. Terms cash.
THE LIVINGSTON SEED COMPANY,
Box 104, COLUMBUS, OHIO.
Please mention the American Florist when writing

ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the
"Horticultural Advertiser"
This is the British Trade Paper, being read weekly by all the Horticultural traders; it is also taken by over 1000 of the best continental houses. Annual subscription to cover cost of postage 75c; Money orders payable at Lowdham, Notts.
Address **Editors of "H. A."**
Chilwell Nurseries, LOWDHAM, Notts, England

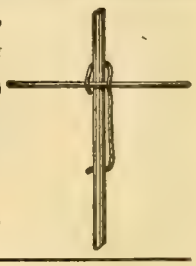
CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

AMERICAN FLORIST ADS ALWAYS DO BUSINESS
Week days and every day, Sundays and holidays,
ALL OVER THE COUNTRY AT HOME AND ABROAD.

The James H. Rice Co.
IMPORTERS and JOBBERS
GREENHOUSE GLASS
A SPECIALTY.
Window Glass, Paint, Putty, etc.
Office and Warehouse: Corner of Michigan, St. Clair and Illinois Streets, CHICAGO.

The EVERLASTING Stake Fastener.

Made of heavy tinned spring wire, No. 15.
Price.....$3.00 per 1000

The EUREKA Stake Fastener.

Made of coppered spring wire, No. 17.
Price.....$1.50 per 1000

Give them a trial. Samples free.
AUGUST CORTS & SON, Wyncote, Pa.
Manufacturers of
PLANT TENDRILS FOR CARNATIONS, ETC.
Awarded certificate of merit by the S. A. F.

GREENHOUSE HEATING
Complete heating plants erected or materials furnished with working plans. Write for prices on **BOILERS.**
JOHNSTON HEATING COMPANY,
St. James Building, 1133 Broadway, NEW YORK.

Garman's Antipest
INSECTICIDE AHD FUNGICIDE
For the Garden, Orchard and Greenhouse.
Non-poisonous and harmless to vegetation.
Kills Green Fly, Aphides, Bark Lice, Thrip, Mealy Bug, Red Spider, Scale, Wire Worms, Ants and Slugs.
This is the Grower's Friend, handy to use, cheap and effective, mixes readily in water. Destroys all insect pests and keeps down filth. Circulars on application. $1.50 per gallon. Also in quarts, half gallons and in bulk.
PERFECTION CHEMICAL CO.,
FLUSHING, N. Y.

"Eureka"
Weed Killer.
Saves Weeding. Keeps Paths, etc., clear without disturbing or staining the gravel.
Soluble Powder, readily mixed and applied. Large Size Tin, enough for 100 square yards, 75 cts. each. Special prices to Cemeteries and buyers in large quantities. Full directions with each tin.
Vaughan's Seed Store,
CHICAGO: 84-86 Randolph St. NEW YORK: 14 Barclay St.

Greenhouse Material
Made of clear Gulf Cypress is what we manufacture. We supply everything for your houses and your carpenter does the rest with the working plans we furnish. Let us figure on your requirements. We can save you money.
S. JACOBS & SONS,
1365-79 Flushing Ave., BROOKLYN, N. Y.

WILSON'S PLANT OIL.
The best Insecticide and Plant Renovator ever introduced. Positively harmless. Put up in cans and bottles. Send for circular, testimonials and trade price.
ANDREW WILSON, 437 Springfield Ave. SUMMIT, N. J.

L. BAUMANN & CO.,
Importers and Manufacturers of
Florist Supplies
76-78 Wabash Ave., CHICAGO.
Write for our New Catalogue F. Our prices may interest you.

Wired Toothpicks
10,000, $1.50; 50,000, $6.25. Manufactured by
W. J. COWEE, BERLIN, N. Y.
Sample free. For sale by dealers.

The Regan Printing House
LARGE RUNS OF
CATALOGUES —OUR— SPECIALTY
WRITE FOR FIGURES.
83-91 Plymouth Place, CHICAGO.

A. HERRMANN,
Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florists' Supplies.
SEND FOR PRICES.
404-412 East 34th St., NEW YORK.

Convention Number,
AUGUST 18.
SEND ADV. NOW.

LET IT STRIKE YOU

FOLEY MFG. CO.
471 W. 22nd ST. CHICAGO.

GREENHOUSE MATERIAL.

ALL KINDS OF VENTILATING APPARATUS FITTINGS &C.
HOT-BED SASH
SEND FOR FREE ILLUSTRATED NEW CATALOGUE

If you are having delay in getting your roof material, send your orders TO U and don't be in trouble. We will handle any order in the time agreed. Try us.

FOLEY MANUFACTURING CO.,
471 West 22nd Street, : : CHICAGO.

THE BEST ADVERTISEMENT

Is to furnish the best grade of material at reasonable prices.

That's what causes the constant growth of our business.

Louisiana Cypress and Wash. Red Cedar Greenhouse Material.

Greenhouse Hardware and Posts.

A. DIETSCH CO. 617 Sheffield Ave. CHICAGO.

MASTICA

Trade Mark Registered.

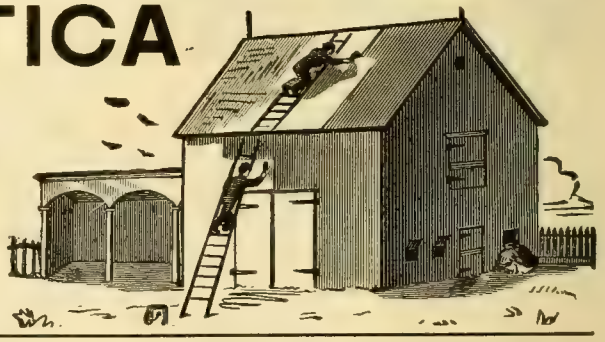
—FOR—

Glazing Greenhouses

Sole Manufacturers

F. O. PIERCE COMPANY
NEW YORK

At All Seed Stores



BEST ENGRAVINGS and ILLUSTRATIONS

—Of Every Description—

FOR CATALOGUES.

SEE OUR WORK IN THIS PAPER. SEND FOR ESTIMATES.

GLOBE ENGRAVING and ELECTROTYPE CO.
407-427 Dearborn St., CHICAGO.

The Advance Ventilating Apparatus

We figure closely to give florists the best of service and save them as much money as possible. Why not give us a chance to figure on that new house of yours? Every customer of ours is well pleased with our goods. We can please you.

THE ADVANCE CO.
RICHMOND, IND.

EUREKA GREENHOUSES.

THE BEST AND LOWEST IN PRICE. All houses erected at the factory and shipped to purchasers with blue prints, photographs and plain directions so that any person can put them up.

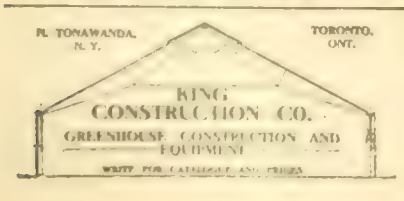
DILLON GREENHOUSE MFG. CO., Bloomsburg, Pa.

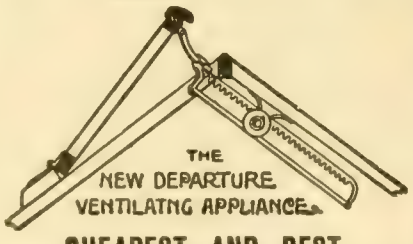
Weathered Company,

BUILDERS OF

Iron and Cypress Greenhouses, Greenhouse Heating and Ventilating Apparatus.

P. O. Address. Box 789, NEW YORK CITY.





CHEAPEST AND BEST.

If you doubt it try them and be convinced. Send for descriptive price circular.

J. D. Carmody, Evansville, Ind.

Please mention the American Florist when writing

GET OUR PRICES ON
Galvanized Wire Rose Stakes and Tying Wire.

IGOE BROTHERS,

Manufacturers of the **Model Plant Supports** for Carnations, Dahlias, Golden Glow, Chrysanthemums and Tomatoes

63-71 Metropolitan Ave., BROOKLYN, N. Y.

EVANS' IMPROVED CHALLENGE VENTILATING APPARATUS

WRITE FOR ILLUSTRATED CATALOGUE

QUAKER CITY MACHINE WORKS.
RICHMOND, IND.

CONVENTION NUMBER AUGUST 18. . . . .
Send ADVT. NOW.

THE AMERICAN FLORIST

America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXVII. CHICAGO AND NEW YORK, AUGUST 11, 1906. No. 940

THE AMERICAN FLORIST

TWENTY-SECOND YEAR.

Copyright 1906, by American Florist Company. Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

324 Dearborn St., Chicago.

Eastern Office: 1133 Broadway, New York.

Subscription, $1.00 a year. To Europe, $2.00. Subscriptions accepted only from the trade.

Volumes half yearly from August, 1901.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—WM. F. KASTING, Buffalo, N. Y., president; H. M. ALTICK, Dayton, O., vice-president; W. J. STEWART, 11 Hamilton Place, Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. Twenty-second annual meeting at Dayton, O., August, 21-24 1906.

EXHIBITION—A grand national and general exhibition will be held March, 1907, under the auspices of the society.

No "Baiting" Advertising Rates.

WE have received several requests lately to insert trial advertisements free of charge "as other trade papers offer."

We wish to state that

THE AMERICAN FLORIST

has nothing to offer free of charge or at cut rates. We have no privileged customers.

We give advertisers full and overflowing value, and that is all any honest advertiser needs.

Advertisers are paying double for so-called cheap advertising in useless correspondence.

THE AMERICAN FLORIST

readers are buyers who pay their bills.

American Florist Company

Contents, page 94.
Advertising Rates, 94.
Index to Advertisers, 114.
Ready Reference Advts., 115.

The Street Flower Merchant.

In THE AMERICAN FLORIST of June 16 our Philadelphia correspondent referred to this well known character as follows:

"Chas. Meehan, in speaking of the marketing of flowers, said things were often done that the average small florist or dealer did not understand. He is often asked, How is it that the men in the street sell flowers so cheap, as many as a bunch of 25 flowers being sold for 10 cents?

"Where can the men buy them to sell for this figure? Such a question was asked by an out-of-town customer of Mr. Meehan last week, and he replied: 'Well, I guess some of them come from us. If you will drop in here next Friday afternoon or Saturday morning, I will sell you 2,000 to 5,000 or even 10,000 carnations, the accumulations of the week, many of them very good, but just as they run, at $2 per 1,000. That is what I sold them at last Saturday.'

"'Five thousand; oh! I could not use such a quantity as that. From 300 to 500 is my limit. I would not know what to do with so many.'

"'No,' said Mr. Meehan, 'nor would my street customer know how to dispose of your small select order at the higher prices.

"'He must handle large lots at quantity prices, figures so low that the thousands of people that hourly pass his stand are tempted to buy, not because they particularly want the flowers, but because the price put them within reach of those who would not think of going into a store, and sales are made and some sort of returns realized for the growers that are better than the oblivion of the waste barrel.

"'We would rather sell to regular retail florists at these prices, but they will not take such quantities at any price. They say they can not handle them and so they have to go in quantity to the man who has trade for them at the lower figures.'"

A NEW YORK OPINION.

I coincide with Mr. Meehan's interpretation of this problem. Like all articles of merchandise, sulplus stock which is generally inferior is frequently disposed of at a sacrifice.

The grower must realize some return for his expenditures. The retailer who has high class patronage can offer for sale only selected goods, the finest of the best, in order to hold his fastidious clients, many of whom are excellent judges of fine flowers and can discern the difference in quality and are willing to pay a fair price for a superior article.

ALEX. MCCONNELL.

A WASHINGTON VIEW.

On this subject Wm. F. Gude, Washington, D. C., comments as follows:

"In reference to the note under Philadelphia in THE AMERICAN FLORIST of June 16, about the small retail flower dealer not understanding why roses are sometimes sold at 25 cents a dozen on the streets, I can only say that I am not surprised that many small florists do not understand how that is done when roses are quoted from $4 to $12 per 100. The fact is, that it is so, and will remain so as long as flowers are grown by modern methods. To my way of thinking it is absolutely right that it should be so, as at certain seasons of the year it is more profitable to permit the plants to bloom, cut the flowers and sell them for any price they may bring, rather than to allow them to go to waste on the bushes by trying to decrease the production.

"Again, from personal observation, I am thoroughly convinced that the fellow on the street corner has done a great deal more than he has been given credit for in creating an appetite and love for flowers among a class of people who would never have been reached by an up-to-date flower store. Hence, to my mind, it is right and proper at certain seasons of the year that the general public have an opportunity to buy flowers at the smallest possible cost, because it does not matter what the occasion may be one cannot buy flowers and save them up. But, as quoted by your Philadelphia correspondent, many a person who has no idea about flowers and sees them on the street thinks of the loved ones at home, or some friend on his way home, and invests 10 cents, or probably 25 cents.

"The inevitable result is that the amount of happiness created by a small purchase will lead him or her to spend a dollar or two in some nearby flower store, when he cannot buy them on the street, thus making flower buyers of people who never would have started to

spread happiness in this commendable way had it not been for the flower seller on the street."

A CHICAGO VIEW.

How is it the men in the street sell flowers so cheaply, as many as 25 in a bunch being sold for 10 cents?

This is the question asked the city florist almost daily by his customers during the summer months. Out-of-town florists, visiting the large cities where the street vender plies his trade, wonder how he can sell so cheaply and where his stock is purchased.

The street vender's place of business is the curbstone, stairway or elevator entrance or nook in a building along streets where a number of people pass during the day. The city florist occupying stores along the thoroughfare often feels the competition of his curbstone rival who conducts his business alone under small expense.

In a measure the commission men are responsible for the congested condition of the flower market which makes the curbstone dealer possible. Good stock can always be sold and sold promptly. Second grades sometimes require pushing to sell, but the difficult proposition for the commission man is to sell the cheaper grades of all kinds of flowers so as to realize a satisfactory return to the grower, and still protect the market.

Chas. Meehan of Philadelphia, is quoted in THE AMERICAN FLORIST of June 16, stating that the accumulated stock of his concern for a week was from 5,000 to 10,000 carnations which he sold to a street vender at $2 per 1,000 at the end of the week for the entire lot. He would have preferred to sell them to a florist but a florist could not dispose of such large quantities of that quality, 300 to 500 being his limit for a purchase.

The street vender is always willing to take a chance. The quality of his goods requires an immediate sale as a sudden rain storm or change in the weather renders his investment an almost total loss. In Chicago a pool is often formed, one doing the buying and the stock purchased being divided proportionately according to the amount invested by each individual. Purchases amounting to $50 are frequently made.

The commission man once or twice a week has these clearing sales, simply because it is either that or the waste barrel for the surplus stock on hand. They have been trying hard all the week to get 75 cents and $1 per 100 for flowers from the city florists and they finally sell to the street venders at 20 cents per 100 at the end of the week.

If they had sold out daily all surplus stock at a reduction from the prevailing market rates they would have secured better returns for the growers.

The rule of one of the largest and most successful cut flower commission houses in Chicago is to sell out all stock received daily, never carrying flowers over to the next day even if stock is scarce and the market likely to advance. They maintain that their business is to sell flowers and while they are selling other men are working to grow them.

Of course they endeavor to secure the best market prices possible, but after the trade during the rush hours is over, if a surplus is on hand, then the strenuous work begins. City customers are advised by 'phone and country customers by wire of the bargains on hand. Prices are sometimes cut in half. What is the result? The close of business daily finds them without stock, ready to begin business next day with a fresh supply of flowers.

Customers soon discover that their stock is always fresh and patronize them in preference to other houses. If a wholesale house can build up its trade by giving its customers fresh stock daily and the benefits accruing from occasional bargain sales why can't a retail florist do likewise?

Aside from making a reasonable profit in the sale of cut flowers I believe wholesale and retail florists should give greater attention to giving their customers value for their money. The first 72 hours of the cut flower's life constitute the period of its most satisfactory usefulness. This allows 24 hours' time from the grower to the commission man, 24 hours in the retail florist's hands and the remainder to serve the flower-purchasing public. In shortening the time of transit from the grower to the consumer the customer receives more value for his money.

Personally, I think there is something to be said in favor of the street venders. On special occasions they relieve the market when other channels of consumption for a particular quality of flowers are congested. In growers' markets or exchanges an auction held daily from 1 to 3 o'clock p. m. might be advantageous in disposing of the day's surplus stock.

The street vender in plying his vocation on small capital requires perseverance and patience. He flourishes only when flowers are cheap. Winter and high prices find him dormant waiting for the return of lucrative summer days.

Nobody ever hears of the street vender's troubles. He bears them in silence. While he may be selling carnations at the rate of 25 for a dime, roses may be scarce, and the same number would cost in the wholesale market $1, or when selling roses, carnations may be high priced and out of his reach. His customers are often recruited from the ranks of those who would not enter a store, being persuaded to buy because of the remarkably low price.

I am inclined to think that a certain proportion of these occasional customers may eventually develop into regular ones. In this case, a demand for flowers of better quality would sometimes lead them into the flower store. Of course, I do not include that class of customers who are asking the street vender when he will sell them "25 orchids for a dime."

HORACE R. HUGHES.

ANOTHER WASHINGTON VIEW.

The marketing of flowers, I take it, means that exchange whereby the grower or producer receives the currency or other equivalent for his product.

Floriculture has been in existence for a very long time; indeed, we may safely say since the beginning of man, for we are told that the garden of Eden was beautiful, containing all the fruits and plants which were required for the happiness of man. There surely must have been flowers there, too. But the growing of flowers to sell, that is, for commercial purposes, is of much more recent date, contemporaneous with which arose the question of the best means of disposing of them.

If you will go to any market stand where the little trucksters come in from the country with their wagon load of produce several times weekly, bringing incidentally a few bunches of snowballs, sweet william, phlox, etc., you will see the beginning of the floral trade. The evolution of this has brought to us the magnificent floral establishments of to-day.

With the increased production of flowers a better means of reaching the public was sought. Hence the establishment of flower stands, retail and wholesale flower stores and commission houses. These different stages of development have each come to us as the necessity has demanded, for "necessity is the mother of invention." The

AT OTTO GRUNDMAN'S ESTABLISHMENT, SECAUCUS, N. J.

Growing chrysanthemums in the open; showing base for rafters for sash or other covering.

wholesale commission florist probably represents the latest phase of development in the business. It is strictly a nineteenth century institution and the fact that it has had a steady and healthful growth is evidence that it was demanded by the existing conditions. Although it is decried at times by some it seems to be the only adequate means of distribution and it is a significant fact that the business is more progressive and thrifty in those centers where we have good live commission men. Of course, the commission man is dependent upon the grower for his stock, but at the same time it is absolutely necessary for the grower to have an outlet for his product. Each must depend on the other and by mutual co-operation the greatest mutual benefits accrue.

Contracts direct between grower and retailer as a rule are unsatisfactory and impossible. For instance, a retailer agrees to take the entire cut of carnations of a certain grower. If the cut is sufficient to supply the retailer's trade during December and January, he will find that during March and April he will be surfeited, probably, having two or three times as much as he can use. If this contract system were used throughout the entire stock of flowers, that is, with the roses, violets, sweet peas, etc., at the end of the year the retailer would find that his entire profits and perhaps part of his business, had gone in the waste. Under such conditions business would be impossible for him, and the grower being deprived of his output the result would be disastrous to both.

Referring to a particular case which came under my observation, a store agreed to take the entire cut of carnations from a grower. The cut ran from 6,000 weekly around December and January to as many as 15,000 in April. The price paid for them was on a scale averaging about 2 cents straight through for the season. This was as cheap as the grower could produce such stock and make a living. Notwithstanding a phenomenal business, the net profits to the retailer buying at this low price did not exceed 10 per cent. Many times when there were hundreds of these flowers in good condition on hand it was found necessary to go out and buy carnations of some special variety. And again many times hundreds would go to waste when some other florist, perhaps a few squares away, could have used them very profitably.

This unnecessary waste if obviated would mean a saving of thousands of dollars each year. In many instances it would mean a difference between success and failure. The only solution of this unnecessary evil seems to be found in the establishment of distributing centers. What constitutes the best form of distributing centers is the question in which all florists, both growers and retailers, are deeply concerned. In my opinion the question is amply answered in the ideal wholesale commission florist.

Z. D. BLACKISTONE.

AN INDIANAPOLIS VIEW.

That the vender of quantities of cheap flowers in a large city is or is not as necessary to the trade as the small florist who handles select lots at a wider margin has been a much used subject with the florists in the past few years and one which remains to be satisfactorily settled.

It seems to have been the experience in the larger centers that the street venders do not injure the storeman though he was received with many misgivings and instilled terror in the hearts of many for sometime. The street stand with its masses of stale flowers inspires a love of them. Customers buy these cheap flowers for ordinary occasions and resort to the fancy stores for flowers intended on a particular occasion.

The storeman can not hope to have enough good stock in the winter months and not have a surplus in the spring. The street vender is a natural business outcome and the average small florist must not expect to receive the best stock at a figure the same as offered the vultures who prey only on the carrion of the commission house. The writer at heart, like the small dealer, is not in accordance with his scribblings, as he has not passed through the ordeal as presented in the larger cities and has accepted the logical facts. The storeman and the street vender are both benefits to the trade.

The fact that the street merchant's stand rests on public property and that this is unlawful is a phase not discussed here, but the stimulus the trade receives from putting quantities of flowers under the very noses of the masses is a fact which cannot be overlooked. The heavy bank account derived by the grower and commission man is another, so the small dealer should rest content with the state of affairs as the world will have them. Far more harm is done by the business man who would be a wholesaler and a retailer as the occasion demands.

IRWIN BERTERMANN.

FROM ALLEGHENY, PA.

The dealers on the street seem to reap the benefit which should go to the florist. It is now something regular for them to get bargains. They have a good supply nearly all the year round, and always sell cheaper. The street dealers who do not buy more than some florists, will get them much cheaper, and seem to get as good a quality and selection. Besides, the street dealers will not take much except roses, carnations and violets (when in season) and very little of anything else. The accumulation might be avoided if the inducement is made to the florist early who no doubt would buy more and sell more.

GUSTAV & J. W. LUDWIG.

AT OTTO GRUNDMAN'S ESTABLISHMENT, SECAUCUS, N. J.
Growing chrysanthemums in the open; showing enclosure with rafters and one row of sash covering.

WITH THE GROWERS

Emile Savoie, Secaucus, N. J.

Emil Savoie of Secaucus, N. J., who acquired the greenhouse property which he occupies at County Line road, last April, is getting into shape for the coming season's trade. Two of his five houses are about to be torn down, and two modern houses erected in their stead. Plants will be his specialty, and he is already getting into shape some very fine stock. He is bringing along some grand fern stock, Boston, Scottii and Cibotium Schiedei. He has also some good palm stock. Azaleas will be a feature with him for the Christmas trade.

Otto Grundman, Secaucus, N. J.

At the establishment of Otto Grundman, Secaucus, N. J., the greenhouses are utilized mainly for small and large ferns, the latter covering Scottii and Boston, good commercial stock. Perhaps the most interesting feature of the establishment just now is the preparations made for growing 50,000 chrysanthemums for cutting. A large fenced enclosure has been made with four narrower enclosures running off from it. One of these enclosures carries rafters, and rafters will be added to the others as required. The chrysanthemums are well started, and the idea is to cover them as the weather may necessitate, or as the temperature required may dictate.

It will be noticed in the pictures herewith that one of the enclosures, or houses, for that is what they really are, has already a row of sash on each side. Later other rows will be added until

the structure is wholly enclosed for flowering the plants. The same course will be followed with the other enclosures. Mr. Grundman had a lot of unused sash on his place and decided to put it to this use. The plants look vigorous and healthy, and he expects to have his early varieties in the market in good season, as well as his medium to late varieties. The structures are of a permanent character, and will be used again for following seasons.

Dayton Convention Notes.

The official preliminary programme is at hand. On August 8 the entertainment committee met and made the final arrangements for all entertainments. Boys, you certainly will be treated fine. The Dayton Florists' Club held an overflowing meeting July 30 and further arrangements were made in the details for this great convention. Everybody is afire and aflame and prepared to give you a most hearty welcome.

Miss Bessie Evangeline Dornbusch has composed for our convention a most beautiful poem, which she read before the club, and deafening and thunderous applause was her reward. This young lady, a daughter of one of our members, is a young woman of no mean poetical ability and a most excellent elocutionist. It was decided last night that she should deliver this poem immediately before the great illustrated lecture on landscape gardening takes place at Far Hills and following the banquet, all in the open air on the big lawn.

Quite a few more surprises have been added on the exhibition grounds and even the members of the club are in the dark as to what the surprises will be. However, I can tell this much—that it will be wonderful. All members who are still hesitating about an exhibit, please hurry up. Time is getting short and space is getting scarce. If you want to be in the swim put a move on yourself and if you want to be a leader in the parade be a generous exhibitor or advertiser.

From all indications so far this convention will be a hummer. Come one and all. All the boys will receive you with the most generous spirit and open heart and we shall see that the city is turned over to you. Those who want to be assisted in getting lodgings in hotels or private houses, please don't wait until the last day, for the chairman on hotels has other duties to perform besides looking out for your comfort. Please make up your mind in time, and send all communications, if you want to be assisted, to the undersigned.

The president's reception will take place at Far Hills the evening of August 21 at 7 o'clock p. m. on the first day of the convention. This will be the peer of any similar reception ever before held both in interest and in the novelty of its features. Many letters have been received from those in nearby states who will only come to the first day's meeting. We would like to see everyone stay through the entire convention. John H. Patterson has donated for this night for the use of the national society, his palacious home and most beautiful park, Far Hills. The illumination of Far Hills will be beyond anything ever seen before. There are no stiff buildings that are to be illuminated with electric lights on the grounds, but the planting of nature itself will be illuminated in the most beautiful way.

Imagine large oak and elm trees, for instance, each one decorated in different colors and a multitude of lights. The planting of the shrubbery will be illustrated in fire and flame, and large climbers will send forth their flowers in electricity, such as clematis, Crimson Ramblers, etc.

The National Cash Register band will furnish the music for the night's entertainment. Mr. Patterson will provide a lunch on the big lawn. There will be read a poem by Miss Dornsbuch, and after that the grand illustrated entertainment on "Landscape Gardening and Garden Architecture" will commence, delivered by the foremost expert on this matter, the slides absolutely true to nature, some of them procured under the greatest difficulties, and colored by the foremost artists. This lecture will begin with the ground upon which the assemblage stands and will show how what was one of the most unattractive parts of the city was improved through landscape gardening, as it stands to-day. It will show in short the work of our art in making better citizens of us all. It will show how a single citizen in the inspiration of his love for nature has demonstrated practical philanthropy through the art of floriculture. It will show the tremendous task it was to accomplish the end, and show the results. The hearer will be informed how this was accomplished after a search through the entire world to gain the highest standard of such an undertaking.

Following Mr. Patterson on his search from his home and visiting parks and palaces as well as the homes of the humble, the audience will be taken in imagination to New York, then through Ireland, Scotland, England, France, Germany, Belgium, Holland, Austria, Switzerland, and Italy and take a trip across to Egypt; from there to the oases of the African desert in order to get a true idea of nature in its most disadvantageous form; to Ceylon, India, and farther India, Burma, and Siam; inspect the immortal gardens of China and dwell at some length in Japan with its wonderful horticultural art. From there the traveler will proceed to New Zealand and Australia with their luxuriant vegetation, then to the Sandwich islands; thence to San Francisco and by the way of Chicago back to the starting point.

A great many requests are pouring in for cards of admission for members and non-members for the big entertainment and reception. Now all members desiring to bring a friend for this occasion must send in the names at once and receive the cards of admission to Far Hills for the president's reception at the office and the exposition building from Mr. Stewart. We must know how many people we have to entertain on account of the banquet. This lunch is a compliment of Mr. Patterson to the national association and the Dayton Florists' Club. Do not wait to put Mr. Patterson to any unnecessary expense as to preparing for a lot of people that never show up.

J. B. HEISS.

Convention Sports.

In addition to the regular bowling tournament, for which elegant team and individual prizes have been provided, a suitable number of prizes will be provided for competition by the trap shooters. The skill of the florist shooters having been exploited in this city has called forth a challenge from one of our local clubs, for a friendly team shoot, either five men or ten men teams. We hope that all shooter florists skilled in this sport will bring their guns with them so that we may qualify a team that will uphold our reputation and that will be able to hustle those local shooters, and there are some "good ones."

H. M. ALTICK,
Chairman Local Sports Committee.

Concerning Arrival in Dayton.

The exposition hall will be a thing of beauty, and the exhibition large. The leaders of the trade have been coming forward like men. Now let the members of our association be liberal with their patronage, and encourage these men to do likewise at the next meeting place. The huge signs floating in the great dome will inform you of the foremost leaders in the business without having made an exhibit.

When you arrive in Dayton, make free use of the bureau of information at the depot. It will be conducted by the mer-

THE SUNKEN GARDENS, FAIRMOUNT PARK, PHILADELPHIA, PA.

NYMPHAEA DENTATA MAGNIFICA AT "TWIN OAKS," WASHINGTON, D. C.
Peter Bisset, gardener.

chants' police of Dayton, under the control of the Dayton Florists' Club. Do not forget to register at once with the national secretary, Mr. Stewart, at the exposition hall. The club has made arrangements with the Xenia Traction line to give us a five minutes service from the Algonquin hotel to the fair ground; there will always be a car awaiting coming and going and signs on the cars will inform you that this is the official line. Take no other line. Members will benefit the national association and the Florists' Club in part by patronizing this line only and in not boarding the car at the front gate as the Dayton Florists' Club was unable to get any concessions whatsoever as to service from this line, which is called the Southern Ohio Traction Co.

Also arrangements have been made with the official line to sell 6 tickets for 25 cents or 25 tickets for $1.00 with the privilege of transferring to any line in the city of Dayton either way. You can procure your tickets from the conductor or else at the office in the exposition hall of the secretary. In order to reach Far Hills for the president's reception, special arrangements have been made with the Oak Wood line that will give two minutes service either coming or going to Far Hills until 11:30 p. m.

All visitors are requested to stay the full length of time if possible for the last day will be just as instructive and entertaining as the first one.

As I stated before, you will find furnished on the ground all requirements for the inner man at the most reasonable prices, and under the control of the Florists' Club. However all concessions are given out free of charge, and should there by any discourtesy or inattention of waiters, please report at once to the chairman, J. B. Heiss. The book for complaints you will find at the secretary's desk, and everything will be remedied at once.

On arriving in the city baggage checks may be left at the depot with the official baggage master who will take charge and see that the baggage is delivered to your hotel, or boarding-house at once.

Do not hesitate to make known your wants if you desire any help in finding accommodations either at hotels or boarding houses. J. B. HEISS.

Convention Programme.

We are in receipt of the preliminary programme of the twenty-second annual meeting and exhibition of the Society of American Florists, to be held at Dayton, O., August 21-24.

TRANSPORTATION.

A reduced rate of one and one-third fare, on the certificate plan for the round trip, has been granted by all railroad and steamship lines in the United States represented in the trunk line and passenger committees, except in the state of Ohio, where a uniform rate of two cents per mile has been established by law. The following directions are submitted for the guidance of members:

1.—Tickets at full fare for the going journey may be secured within three days (exclusive of Sunday) prior to and during the first day of the meeting. The advertised dates of the meeting are from August 21 to August 24, consequently you can obtain your ticket not earlier than August 17 nor later than August 21, except that from stations from which it is possible to reach the place of meeting by noon of August 22, tickets may be sold for morning trains of that date. Be sure that, when purchasing your going ticket, you request a "certificate." Do not make the mistake of asking for a "receipt."

2.—Present yourself at the railroad station for ticket and certificate at least 30 minutes before the departure of train.

3.—Certificates are not kept at all stations. If you inquire at your station you will find out whether certificates and through tickets can be obtained to place of meeting. If not, agent will inform you at what station they can be obtained. You can purchase a local ticket thereto, and there take up a certificate and through ticket.

4.—On your arrival at the convention hall, present your certificate at once to Secretary Stewart, accompanied by a fee of 25 cents, who will return the certificate to you after it has been duly validated, for return journey. No refund of fare will be made on account of failure to have certificate validated.

5.—It has been arranged that the special agent of the Central Passenger Association will be in attendance at the secretary's office in the convention hall, to validate certificates on August 22, 23, and 24.

If you follow the above instructions, and your certificate is duly validated, you will be entitled up to August 31, to continuous passage ticket to your destination by the route over which you make the going journey, at one-third the limited fare.

HOTELS IN DAYTON.

All hotels are within one square of all street cars, taking you to the exhi-

bition grounds within ten minutes. Following is a list with capacity and prices of the leading hotels:

American Plan.

Hotel.	Capacity.	Per day.
The Algonquin...	300	$2.50 to $5.00
The Beckel.....	200	3.00 to 4.00
The Phillips.....	150	2.00 to 2.50
Hotel Daytonia..	100	1.00 to 1.50
The Aldine	25	1.00 to 1.50
The Vendome....	25	1.50

European Plan.

The Atlas.....	75	$1.00 to $2.00
The Wehner.....	50	.50 to .75
The Stag Hotel..	25	.50
The Urban.....	60	.50 to 1.00

The hotel committee has also on its list a number of smaller hotels and a whole lot of private houses, prices from 50 cents to 75 cents for single rooms. If enough applications are made a camp will be established, with well-furnished double roof tents, four cots to a tent, at a nominal cost of from 50 cents to 75 cents each. Anyone wanting accommodations, if no individual arrangements are preferred, should make application as soon as possible to J. B. Heiss, chairman of hotel committee, who will see that all are satisfactorily accommodated.

THE TRADE EXHIBITION.

The trade exhibition will be located in the central pavilion at the fair grounds. Growers of plants, seeds, bulbs, shrubs and trees, dealers in florists' supplies, greenhouse requisites, building material for greenhouse construction, heating apparatus, etc., can here meet the best buyers in the horticultural profession, and no better opportunity for directing attention to the special merits of their goods can be found.

N. B. Exhibitors are reminded that the duties of the judges are limited to the consideration of and making of awards to novelties and improved devices only. Exhibitors are required to make previous entry of all such exhibits with the superintendent in writing. Full rules and regulations, together with diagrams of the exhibition hall, may be obtained from Horace M. Frank, superintendent, 112 South Main street, Dayton, O., to whom all applications for space should be made as early as possible.

OUTDOOR EXHIBITION.

This convention offers the first opportunity in the society's history to make a display of outdoor planted material. A number of exhibitors have contributed to this department. There is yet room for the placing of others and dealers having pot-grown stock to offer can have same properly set out, labeled and cared for without extra charge, until the convention, by making prompt application to Harry M. Altick, vice-president, who has charge of this department.

BULBS FOR TESTING.

American growers of any forcing bulbs, plants or seeds of sorts not yet grown in this country in commercial quantity, or dealers controlling stocks of such goods, are invited to send samples of their product to the trade exhibition, where they will be given space free of charge, provided they then become the property of the society for testing purposes as to their forcing qualities, results of said testing and awards for quality to be published the following season. Please make entries with the secretary.

PAYING DUES.

Members will greatly promote their own comfort and convenience by forwarding their dues to the secretary in advance, the possession of a badge and membership receipt for 1906 being absolutely necessary before any individual can sign the roll book and receive invitation cards for any entertainment provided. On receipt of $3 from those who have paid membership dues for 1905, and $5 for all others, certificate and numbered badge for 1906 will be mailed from the secretary's office. Preserve your certificate and bring it to the convention with you. The secretary's address is 11 Hamilton place, Boston, Mass.

BADGE BOOK.

In accordance with the instructions voted by the society last year in Washington, a system of numbered badges and key-book to correspond has been put into operation this year under the direction of the executive board. It is believed that the members will find these numbers valuable as a convenient means of identification of one another. The names of all new members joining prior to July 15 this year, have been included in the list. Each member of the society will be supplied with a copy of the book.

PROGRAMME.

Opening Session, Tuesday, August 21, 2 P. M.—The opening session will be devoted to an address of welcome by Mayor Chas. F. Snyder, response by Ex-president Patrick O'Mara; the annual address of the president, and reports of secretary, treasurer, state vice-presidents, committees, and other officials of the society.

Judging Exhibits.—Judges will examine and prepare their reports upon the novelties and new inventions in the trade exhibition immediately after the close of the opening session.

President's Reception, 7 P. M.—This always popular social feature will be held on Tuesday evening at Far Hills, the private estate of John H. Patterson, under the auspices of the Dayton Florists' Club. Music, refreshments, and grand illumination of the grounds.

Second Day, Wednesday, August 22, 9:30 A. M.—Following reports of judges at the morning session, Wednesday, August 22, the prize essays prepared by members on the subject of "The Best Method of Marketing the Product of the Wholesale Plant and Flower Grower," will be presented and the awards announced.

Selection of Next Meeting Place and Nomination of Officers.—The selection of the location of the next meeting (polls open one hour), nomination of officers and roll call of states for nomination for state vice-presidents for next year will take place at this session.

Address.—"Teaching Horticulture in the Public Schools," by E. V. Hallock, N. Y.

Discussion.

Amendments to Constitution and By-Laws.—The executive board recommends the passage of the following amendments: Article 11, section 2, to be amended by striking out in paragraph (d) the words "12 o'clock noon" and inserting "11 a. m." The following to be added to paragraph (d) "In case of failure to elect on first ballot, the president shall order a new ballot immediately, polls to remain open one hour; should this ballot fail to elect, the president shall order a third ballot, polls to remain open one hour; this ballot shall be limited to the two candidates receiving the highest vote on preceding ballot."

Bowling Tournament, 1:30 P. M.—The bowling contests between teams representing the various florists' clubs, will take place at the bowling alleys, Fairview park. Preliminary individual rolling and the ladies' contests will take place at Lakeside park. Many valuable trophies have been donated. For instructions as to entries, etc., address George Asmus, 897 Madison street, Chicago.

Promenade Concert.—There will be a promenade concert at the Exhibition building during the afternoon for the entertainment of those who do not attend the bowling tournament.

Florists' Hail Association of America, 3 P. M.—Annual meeting at convention hall.

Illustrated Lecture, 8 P. M.—Title and lecturer to be announced later.

Question Box.—The question box will be opened after the close of the lecture, and a general discussion will be in order upon a number of practical topics.

American Carnation Society.—There will be a meeting of members of the American Carnation Society at the Algonquin hotel, immediately after adjournment of the evening session of the S. A. F.

Third Day, Thursday, August 23, 9:30 A. M.—Subjects for discussion at the morning session, Thursday, August 23, will be: "Recent Improvements in Retailers' Methods of Offering Flowers," by Wm. F. Gude, Washington, D. C. "The Ideal Private Gardener and his Work," by Fred E. Palmer, Brookline, Mass.

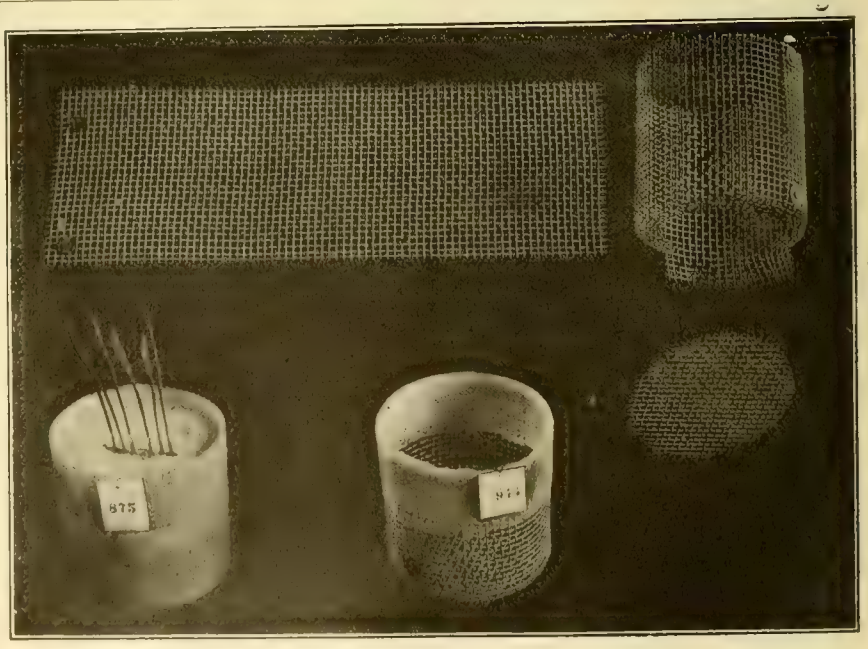
Election of Officers, 10 A. M.—During the discussion the election of officers for 1907 will take place, the polls being kept open two hours.

Question Box.—The question box will be opened during the voting.

Exhibitors' Day.—By vote of the executive board, Thursday afternoon will be devoted exclusively to the interests of the exhibitors. There will be band concerts in the exhibition hall, and in the grounds outside, noon and evening.

Evening Session, 7:30 P. M.—The main topic for this evening, as announced from the platform at Thursday's session.

Friday, August 24, Dayton Florists' Day.—The programme as arranged for the fourth day, Friday, is as follows: At 10 A. M., a trip to the National Cash Register Co., the model factory of the world. In the afternoon at 2:00 o'clock, a street car ride to Soldiers' Home; band concert at the home by Uncle Sam's band; address at Memorial hall. Further details will be announced from the platform at Thursday's session.



SOIL FERTILITY.

Fig. 1.—Constructions of wire baskets.—Whitney, Bureau of Soils, U. S. Dept. of Agriculture.

Nymphaea Dentata Magnifica.

Few additions have been made of late to the list of tender nymphæas. A number of varieties have been raised, but few were worthy of distinction or superior to existing varieties. N. dentata for a number of years has been the best white tender nymphæa. N. dentata mignifica, sent out by Henry A. Dreer, has been tested under close scrutiny for several seasons and its merits were determined and verified before offering it to the public. It also had the recognition of the Rhode Island Horticultural Society and was awarded a certificate of merit and honorable mention by the Massachusetts Horticultural Society in 1905.

N. dentata is well known as a vigorous and free flowering variety, blooms pure white, petals long and pointed, flowers flat when fully expanded and with rain or heavy dew the petals droop. N. dentata magnifica is even more vigorous, flowers bold and massive, 10 to 12 inches across, cup-shaped, of a creamy whiteness and without the tendency to drooping the petals. It resembles in form and build N. Sturtevantii and may be well called a white Sturtevantii, with the vigor and freedom of N. dentata.

W. T.

Manurial Requirements of Soil.

METHOD OF DETERMINING THEM.

Milton Whitney, Chief of the Bureau of Soils, Department of Agriculture, in Bulletin on "Soil Fertility."

The method of determining the manurial requirements of soils consists in growing plants in small wire baskets containing soil to which have been added fertilizers of different kinds and in different quantities. The baskets, or pots, are planned to make possible a comparison of the several fertilizing ingredients within a period of about three weeks by means of the appearance and growth of the plants, or the effect of the treatments may be actually measured by cutting and weighing the plants or by measuring the transpiration during the period of growth.

In addition to the wire baskets, the construction of which is presently to be described, the necessary apparatus includes some paraffin, an inexpensive substance that can be procured from any drug store, and for the weighing tests a pair of scales which will weigh accurately to ¼ ounce. The baskets, or pots, are made from galvanized wire net having a ⅛-inch mesh, and are of simple construction. The net is cut into strips 3½ inches wide by 10 inches long. The ends are brought together and fastened by short rivets. At intervals along one end of the cylinder thus formed vertical incisions one-half inch long are made, and the ends are turned in to hold the bottom, which consists of a disk of the same material. The top of the basket is then dipped into hot paraffin to the depth of about 1 inch, removed, and dipped again, until a rim of paffin is formed. Numbers are then attached to the pots for the purpose of identifying them, and in order that a record of each may be kept in case it is so desired. For convenience in handling it is advisable to place the pots in shallow boxes or trays, 20, more or less, in each. This completes the construction of the wire pot up to the time of filling it with soil. Fig. 1.

The soil to be tested should be representative of the field from which it is taken. A representative sample is usually secured by taking a number of small samples from different parts of the field and thoroughly mixing them together. From this mixture the portions that are to be treated with fertilizers are taken, the number of portions required being one greater than the number of kinds of treatment it is desired to test.

The quantity of fertilizer added should correspond closely to the quantity commonly used in field practice. To add these fertilizers in the proper proportions to the samples to be tested the following procedure is suggested: To 7¾ pounds of dry, well-pulverized soil add 1 ounce of the desired fertilizer. Mix very thoroughly and pass through a sieve at least twice. This mixture is still much too strong for use, and is further diluted by adding 1 ounce of it to 5 pounds more of soil, mixing thoroughly, as before. This new mixture contains fertilizer at the rate of 200 pounds per acre. When larger applications are desired, proportionally larger quantities of the first mixture should be taken. For the lime treatment use only 11½ ounces of soil to 1 of lime instead of 7¾ pounds, as in the case of fertilizers. Cowpea vines and manure, being used in even greater quantity than the lime, require a still further reduction of the amount of soil in the first mixture, i. e., 4 ounces of soil to 1 of cowpea vines and 1½ ounces of soil to 1 of manure. One ounce of each of these mixtures when added to 5 pounds of soil will supply lime at the rate of 1 ton, cowpea vines 5 tons, and manure 10 tons per acre.

The following table shows the treatments commonly used in the work, but these are often varied to suit conditions, and any commercial fertilizer which it is desired to test may be added to the list:

1. Untreated.
2. Dry manure, 5 tons per acre.
3. Lime, 1 ton per acre.
4. Nitrate of soda, 200 pounds per acre.
5. Sulphate of potash, 200 pounds per acre.
6. Acid phosphate, 200 pounds per acre.

SOIL FERTILITY.

Fig. 2.—Finished baskets and growing plants—Whitney, Bureau of Soils, U. S. Dept. of Agriculture.

7. Nitrate of soda and sulphate of potash, 200 pounds each per acre.
8. Nitrate of soda and acid phosphate, 200 pounds each per acre.
9. Sulphate of potash and acid phosphate, 200 pounds each per acre.
10. Nitrate of soda, sulphate of potash, and acid phosphate, 200 pounds each per acre.
11. Nitrate of soda, sulphate of potash, and acid phosphate, 200 pounds each per acre, + lime, 2,000 pounds per acre.
12. Cowpeas, 5,000 pounds per acre, + lime, 2,000 pounds per acre.

After the fertilizers have been added to the soil it is allowed to remain in pans or other suitable receptacles for several days, being moistened occasionally with rain water or water from melted ice and frequently stirred, so that the fertilizers may become thoroughly distributed. At the end of this time the soil in each pan is moistened again with water, which is added until the soil is in the most favorable condition for plant growth. This varies with different soils, but with a little experience the operator can judge it quite accurately. It is important that the water used in moistening the soil should be rain water, as water from wells, springs, or streams may contain mineral matter that would affect the plants, and thus vitiate the results of the tests. The soil in each pan is then divided into five nearly equal parts, and each part is placed in a wire basket, care being taken to press the soil well into the bottom and sides of the basket. The basket should be filled to within about ½ inch of the top. After filling, the soil which projects through the meshes of the wire is carefully

brushed off, and the baskets are ready for planting.

One or 2 days before the time for planting a sufficient quantity of wheat is placed between moist cloths, covered with wet sand, and placed in a favorable place for germination. From these sprouted wheat grains those of uniform size and about the same stage of development are selected, six being planted in a row and to the same depth in each basket. The surface of the soil is then covered to a depth of about one-fourth inch with clean dry sand. The pots are then dipped bottom down into hot paraffin until an impervious layer is formed over the lower part of the basket, connecting with the rim around the top. In coating the basket the paraffin is kept at an even temperature and the basket is dipped and quickly removed to allow the paraffin to harden, when it is dipped again, and so on until the coating has the proper thickness, about one-sixteenthh of an inch. The baskets are then placed where they will be under as favorable conditions of light, temperature and moisture as possible, care being taken to keep the pots of each set together.

The pots should be watered at frequent intervals during the growth of the plants, care being taken not to allow them to become too dry nor to make them too wet. As a guide to the amount of water required by the pots it is a wise precaution to weigh and record the weight of some of the pots when they are paraffined and planted, at which time the moisture content of the soil is favorable. By weighing these pots at intervals during the tests the amount of water necessary to bring the soil to a favorable condition can be ascertained and an equal amount added to all other baskets that show an equal growth. At the end of 15 or 20 days a comparison of the growth of the plants will enable one to estimate the value of the different fertilizers. (Fig. 2.)

It should be borne in mind that this is a method not for the study of the requirements of plants, but for the study of the fertilizer requirements of soils, in which the plants are used as an indicator. It is, therefore, not necessary to grow the plants to maturity; in fact, it would not be possible to do so successfully in the small quantity of soil used. Where differences occur as a result of the fertilizer they manifest themselves almost from the beginning of plant growth, and it is not necessary or advisable to grow the plants for periods of time exceeding 20 or 25 days from the date of planting the seed.

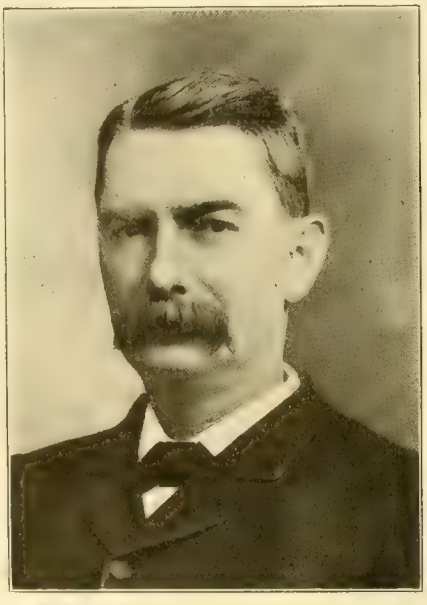
National Sweet Pea Society of England.

EXHIBITION AT LONDON, JULY 5.

There was an enormous exhibit, says the Horticultural Advertiser, the whole hall being filled, with overflows into the annexes and council room upstairs. Of course, as was inevitable, the same varieties were repeated over and over again, both in the competitive classes and in the trade exhibits. The frequent recurrence of certain varieties emphasized their merits, as exhibitors would not put them up unless they thought that they would tell with the judges.

One conclusion we came to was that many varieties, which are very telling on the exhibition stands, will never become popular garden flowers; such varieties as Henry Eckford, Evelyn Byatt, Scarlet Gem, etc., burn so fearfully that they are quite useless if not carefully shaded. It also seems to us that there are getting to be far too many varieties, with too little distinction. To take one color only, pink, we saw the following, which run extremely close in form and color: Countess Spencer, Enchantress, Pink Pearl, Gladys Unwin, and Mrs. Hardcastle Sykes, which is certainly distinct, but only a shade or two lighter than several of the others—all good things, but do we want so many of one class of color?

Of the newer varieties exhibited, we admired Princess Mary of Wales, Horace Wright, Helen Pierce, Helen Lewis, Etta Dyke, Miss Audrey Crier, Jessie Cuthbertson and Agnes Johnson.



The Late James Weir, Jr.

Of the older varieties for ordinary growing without shading and special attention, the following are well tried and reliable: Dorothy Eckford, the best white; Hon. Mrs. Kenyon, best lemon; Janet Scott, delicate pink; Miss Willmott, salmon pink; Prima Donna, pale pink; King Edward VII, deep fiery red; Lady Grisel Hamilton, Mrs. Walter Wright, Dorothy Tennant, shades of mauve; Triumph bicolor, navy blue, and Captain of the Blues, and Black Knight, or Othello, dark maroon.

AWARDS.

Miss Audrey Crier (Breadmore), beautiful pale bright pink, with waved standard; first class certificate, also silver medal as the best novelty exhibited.

Dora Cowper (Breadmore), a large pale primrose, after Hon. Mrs. Kenyon style, but larger; slightly hooded; award of merit.

Elsie Herbert (Breadmore), very pale blush, almost white, wavy standard; award of merit.

Etta Dyke (Breadmore), a white Countess Spencer; award of merit.

Horace Wright (Eckford), very dark navy blue, with purple shade; award of merit.

Maude Guest (Eckford), nearly pure white, wavy standard; award of merit.

Princess Mary of Wales, bright cherry red, rather after the style of coccinea; in our opinion, the most distinct of any of the novelties; award of merit.

Queen of Norway (Bolton), a very full and wavy flower, color rather like Dorothy Tennant, but lighter and brighter; award of merit.

Medals were given to the following trade exhibits: Gold medals to Messrs. Eckford's, Wem, Salop; C. Breadmore, Winchester; R. Bolton, Warton, Carnforth; Dobbie & Co., Rothsay; H. Cannell & Sons, Swanley; W. J. Unwin, Histon, Combs; Baker's, Wolverhampton. Silver gilt to G. Stark & Son, Great Ryburgh; Carter & Co., High Holborn. Silver to E. W. King, Coggeshall; Gilbert & Son, Dyke Bourne, Lincs.; R. H. Bath, Ltd., Wisbech.

OBITUARY.

William H. Watkins.

Wm. H. Watkins, one of the landmarks of the florists' trade in Baltimore, was buried in Bonnie Brae cemetery August 4 after a solemn high mass at St. John's Church. For more than half a century, since a boy of nine years, he has been employed in various capacities by the three generations of the Hallidays. Of late years he has been in the store of Halliday Bros. In his long term of service he won the respect and esteem of all who came into touch with him, and by his promptness, honesty and devotion to the duties laid upon him, established a reputation of which anyone might be proud.

James Weir, Jr.

Jas. Weir, Jr., one of the oldest established florists in Brooklyn, died suddenly August 1, on his yacht, at Shelter Island. Mr. Weir took considerable interest in yachting and was formerly commodore of the Shelter Island Yacht club, the annual meet of which he was attending on board of his own yacht, Senta. Other clubs being present in the same waters, a series of races were being held. Mr. Weir, with Albert Jones, a friend, was sailing the Senta in a race, and while at the helm was suddenly stricken with heart failure, handed the wheel to his captain, and managed to reach the cockpit, where he collapsed. Mr. Jones vainly tried to resuscitate him, and signaled for assistance. The power boat Ariel responded, as also did the Ethelda of the Rhode Island Yacht club, with Dr. Kemble, the fleet surgeon, on board. In spite of stimulants and immediate medical attendance, Mr. Weir died five minutes after he was stricken. The cause of death was pronounced to be rupture of the heart. The body was removed to the deceased's summer home on Shelter Island Heights, and August 3 was brought to his Brooklyn home. A reception planned for the visiting yacht clubs was abandoned as Mr. Weir was on the reception committee. The colors of the fleet were all lowered as a token of respect to the deceased.

Mr. Weir was born in the suburbs of London, Eng., October 17, 1843. His father was gardener on a large private estate, and came to the United States with his family in 1844, settling in Brooklyn. Mr. Weir at an early age

attended public school No. 2 in Brooklyn, and finished his education at the Polytechnic Institute. In 1856 he embarked in the florists' business, a few years later opening a shop on Fifth avenue, corner of Twenty-fifth street, Brooklyn, subsequently building and operating several greenhouses. He was still active in the large business built up in this location at the time of his death. In 1864 he married Miss Matilda Waters, of New Utrecht, L. I. Some years later his son J. Ebb Weir became his partner in the business.

Mr. Weir was connected with many social organizations. He was one of the early members of Ridgewood lodge, F. and A. M. He also belonged to the Shelter Island Yacht club, of which he was ex-commodore; the Atlantic Yacht club, of which he was rear commodore; the Crescent Athletic club, and the Staten Island Yacht club. Yachting was his hobby, and his leisure time was wholly devoted to it. In winter he took his yacht to Florida waters, and his summers were usually spent at his home on Shelter Island, with cruises to other points in the north. His nautical knowledge and skill were recognized by the board of education of Brooklyn, for which body he acted as chairman of the nautical committee, which had the direction and care of the training schoolship St. Marys.

Mr. Weir was a democrat in politics. From 1879 to 1883 he represented the old eighth ward of Brooklyn in the board of aldermen, and was appointed on the Greater New York board of education in 1886, a position which he held until the city of Brooklyn was consolidated into Greater New York in 1898. Mayor Van Wyck appointed him on the Greater New York board of education in 1902, and he was reappointed by Mayor McClellan for the term expiring with 1906. He devoted considerable time to educational work, and served on many important committees, until last February, when his prolonged absence from the city necessitated his retirement. The flags on all the vacation schools in Brooklyn were half masted for three days as a token of respect for the deceased.

A funeral service was held at his Brooklyn home August 4, and interment was privately made later in Greenwood cemetery. Mr. Weir left a widow, his second wife, a son, and three daughters.

James Hartshorne.

James Hartshorne, the well known manager of the Chicago Carnation Co., Joliet, Ill., died suddenly August 6 at his home, following an operation for appendicitis, aged 39 years. Mr. Hartshorne was known throughout the country as a carnation expert and many varieties which he introduced are familiar to all growers. Among varieties of his own raising are Marshall Field, Mrs. Potter Palmer, Harlowarden, Crusader, etc. He was in a measure instrumental in developing the fame of Mrs. Thos. W. Lawson, Peter Fisher's well known production. He introduced Dorner's Fiancee and he had secured Witterstaetter's Aristocrat for introduction next year. He was very popular with his many friends in the trade and his absence at social and business gatherings will be greatly felt by his associates for a considerable time. He had little or none of the old school training in horticulture to aid him in his endeavors and it is therefore all the more to his lasting credit that he made such a pronounced success of those specialties which he took in hand.

Mr. Hartshorne was born in Shropshire, England. He came to America in 1888, locating at Boston, but going shortly to Exeter, N. H., to become gardener to the late Chas. Burley. In 1892 Mr. Hartshorne located at Chicago with a view of participating in the floricultural work at the World's Fair, but he was tendered an excellent offer by John C. Ure at Argyle Park, where his success with carnations did much to enhance the already excellent reputation of that establishment. In 1897 Mr. Hartshorne became head gardener to H. N. Higinbotham, who has a fine residence on Michigan avenue in Chicago and an estate of 1500 acres just outside of Joliet. It was Mr. Hartshorne's recognized proficiency as a carnation grower which led to the organization of the Chicago Carnation Co. and the construction of its model range of houses upon the Higinbotham property.

The Late James Hartshorne.

Mr. Hartshorne was an ex-president of the American Carnation Society, having been elected to that office at the Detroit meeting in 1904. He was also a member of the Society of American Florists, the Horticultural Society of Chicago, the Chicago Florists' Club and he was a prominent factor in the organization of the Illinois State Florists' Association. He was likewise prominent in social circles, being a member of the Masonic fraternity, Sons of St. George, the Eagles and the Elks. The Masons had charge of the funeral, which took place August 8, the florists being represented by P. J. Hauswirth, Geo. Asmus, P. J. Foley, J. B. Deamud, Leonard Kill and Edgar F. Winterson as honorary pall bearers. The floral offerings were very numerous and elaborate.

Some 300 persons attended the funeral, the services being conducted by an episcopal clergyman. Mr. Hartshorne's commandery was represented by 50 members and there were 30 representatives of the Chicago trade present. The services were conducted under the old trees on the Higinbotham lawn and interment was in the family burying ground on the Higinbotham estate.

Mrs. Hartshorne and five children survive, the youngest being some 14 months old.

St. Louis.

MARKET SLOW.

The market the past week was very slow, hot weather making trade as dull as possible. Outdoor carnations are of very poor quality. Colored varieties are somewhat scarce and of especially poor quality, short stemmed and spotted. Roses are very small and of poor quality. American Beauty is in demand. Many blooms arrived too much opened and even tight buds these hot days open up quickly. Double and single tuberoses are coming in; the latter are of poor quality. Gladoili are still coming in, but not so plentifully. Asters have become a positive glut. The stores are selling them at five cents per dozen for fair quality blooms, and some two dozen for five cents.

Vincent Gorly was very seriously injured, as was also the lady he was with, while returning the other evening from the picnic, given by the St. Louis business men of the north end. The automobile in which the couple were riding was run into by a street car.

The Kohr Floral Co. had the first anniversary of their opening at their store, 1613 South Broadway, August 4. This firm has one of the handsomest stores in the southern end of town. Several thousand roses and asters were given away.

Rudolph Windt, our official photographer, may be seen these warm nights at Delmar garden. Rudolph is never alone. It is said that a quiet little wedding will soon be coming off.

The next meeting of the Florists' Club promises to be a very large one, election of officers and balloting on applications for new members taking place.

Fred Alves, manager for Geo. Angermueller, will leave August 14 for Niagara Falls and other eastern cities. All wish Fred a good time.

W. C. Smith is a hustler. These warm days do not seem to bother him. He cools off nights at Delmar garden.

Miss Theresa Badarracco was entertained by her friends August 3, the occasion being the lady's birthday.

Siegel & Burke had one of the largest funeral orders given to any local florist this summer.

A visitor at the picnic, not befoe mentioned, was S. S. Skidelsky, of Philadelphia.

Gus Miller reports trade as first class during the past week. W. F.

CINCINNATI, O.—Harry Jansen, a graduate of the landscape gardening department of Heidelberg university in Germany and later employed in the work of beautifying Lincoln park in Chicago, was arrested here recently on the charge of forgery. He pleaded that the forgery was a mistake and his case was continued.

Cincinnati.

TRADE FAIR.

For the good old summer time trade has been fully as good as can be expected. Until the latter part of the week stock has been sold out clean every day, but Thursday and Friday the receipts of asters and gladioli were very heavy, consequently the market was pretty well loaded up and prices took a downward course. Carnations have seen better days and the stock received seems to be growing smaller day by day. Some very good Bride and Bridesmaid are to be seen and these find a ready sale. McCullough's had in a fine lot of lily of the valley which cleared up nicely. There is very little demand for green goods which are in ample supply.

NOTES.

Willis Kennedy, who has charge of the florist supplies and urn work at McCullough's, has just returned from a trip through Ohio and Indiana. He states that every town he visited will have a representative or two at the Dayton convention and he predicts a record-breaking attendance. By the way, the local correspondent for an eastern contemporary booms W. J. Stewart for president of the S. A. F. If Mr. Stewart accepts the nomination and is elected the society will have to look around for another secretary. Cincinnati nominates P. J. Hanswirth, of Chicago, and if the genial Phil can be induced to accept the nomination he will be elected by acclamation. "Stick a pin here."

Chas. Critchell has taken his wife to Atlantic City and although married for over two years has never had the opportunity to take a wedding trip. Charley says he wants to make good now.

From all reports those who were fortunate enough to attend the outing at Norwood Inn park had a very pleasant time.

Fred Gear has gone to Yellowstone park for his vacation. He is accompanied by his better half.

Gus Meier is expected home from Europe August 15.

Geo. Twomey is all smiles. It is a boy and everything is lovely.

ALEX.

Kansas City.

BUSINESS DULL.

Trade the past week has been quiet, as usual. A few orders for funerals constitute about all the demand there is at present. Stock is yet much to be improved upon. The warm weather continues to make things unpleasant for the florist, especially the grower who is compelled to labor under glass. Large quantities of asters find their way to the market daily, but the majority, on account of unfavorable weather conditions, are small and short stemmed. The late ones promise to be much better. Roses are small and soft. Minnehaha is making a fine showing as a summer rose of the best keeping quality. Carnations are very scarce, and what few may be seen have a tendency to go to sleep. Among the summer flowers, Hydrangea paniculata is a recent arrival.

NOTES.

Much interest is being centered in the S. A. F. convention at Dayton, and, now that it is a matter of but a few days off, we can safely begin to estimate the attendance from this city. Among those who will attend are: Geo. M. Kellogg, W. L. Rock, Sam'l Murray, Edw. Ellsworth, A. F. Barbee, A. Eberfield, Arthur Newell and Miss Hayden, of Murray's. Quite a number have arranged side trips to northern resorts.

Robert Aull, park commissioner of St. Louis, made a recent visit inspecting the park and boulevard system of this city. "Your boulevard system and the Rock-Hill residence district excel anything I have seen anywhere else in America," Mr. Aull said in an interview during his stay here, "and when your park system is developed it should equal the boulevard. I envy your park board the advantage of a new city."

Hampered by sickness, due to the intense heat under glass, planting is being done with much difficulty in this locality. Geo. M. Kellogg says it will take all this month to plant his 15 houses of carnations. Chas. Heite has all his carnations planted which are in a healthy state. Nathan Brown expects to finish in about 10 days.

The Missouri Valley Horticultural Society wishes to announce that the next regular monthly meeting will take place August 18 at 10 a. m. at Parkville, Mo. Special discussions and papers of interest to fruit growers will be included in the programme. A good attendance is requested.

We are informed that the establishment at Twenty-sixth and Holmes streets, owned by Chas. M. Wise, has been leased by the People's Floral Co., where they expect to grow a general line of stock.

The old Baker conservatories at Denver and Harris avenues, recently operated by the Shaeffer Floral Co., were purchased by Andrew Arnot, who intends to use the material at his present location.

Miss Alma Beeler, whose face is always so familiar at Geo. M. Kellogg's, will soon embark upon a matrimonial venture. The trade is unanimous in wishing her much success and happiness.

Chas. E. Heite departed last week for the White river country. His trip includes a "float" down that river for about 200 miles.

Edw. Ellsworth leaves this week to spend his vacation in the northern lake region, returning by way of Dayton for the convention.

Will someone kindly explain what has become of our Florists' Club, as well as it's president? We might suggest "skiddoo, 23."

Miss Kellar, of the W. L. Rock Flower Co., is spending a short vacation at her home in St. Joseph, Mo.

John Schneider is back again telling of his experiences in Salt Lake City.

Wm. Bridgeland is visiting home folks in New York state.

Edw. Humfeld is expected back this week.

M. E. Chandler is in Canada.

K. C.

San Francisco.

This has been an off week for the rehabilitation of ante-disaster florists and there are no new cases of reestablishment in business to report, as has been the case each week of late. But those in the trade have not felt the need of any assistance to promptly respond to the limited demand prevailing this midsummer season.

The only floricultural feature of the week was a largely attended free begonia show given by the John H. Sievers Co. in one of their 150-foot conservatories at the nursery adjoining the flower store of Sievers & Boland. The exhibit, tens of thousands of blooms, the richest strains of tuberous rooted begonias evergrown in California, was displayed in six solid columns the full length of the conservatory. And just think of it! They were planted in normal times, to unfold in perfection under normal conditions, not for a city in confusion, with its inhabitants as a rule needing all the money they could get for actual wants. And so nine-tenths of these fairest of all begonias must pass away in the care of the men who grew them.

The Southern and Union Pacific railroads have just decided to try out the virtues of cut flowers. They propose to establish large greenhouses along their lines from which a supply of fresh blossoms may be continually drawn for the supply of their dining cars at every meal, and for bouquets to all women on their trains. Huge greenhouses are to be established at Grand Island, Neb.; Cheyenne, Wyo.; Denver Col., and Ogden, Utah. California fresh flowers can always be had, so no greenhouses will be established in this section of the country.

H. Plath, proprietor of The Ferneries, and California's vice-president of the Society of American Florists, is issuing an attractive six page price list. He is working up a large stock of young ferns for the fall trade, as he expects there will be a good demand. Ferns for fern dishes have been used more and more each year of late and he has never been able to grow sufficient to fill all orders received.

There are many men in the penitentiary not nearly so mean in spirit as are several San Francisco landlords, and the daily papers are roasting them all the time. The monthly rent of P. Anderson's little flower store at 508 Haight street has been raised from $75 to $200, so he is putting up a store on leased ground on Fillmore street, between Page and Haight streets.

Jas. McNab, an intimate friend of Superintendent John McLaren of Golden Gate park, was married July 26, and the next morning's paper had this note: "The vestry of the church where the ceremony took place was superbly decorated with a magnificent floral display, the work and gift of John McLaren.

Morris Goldenson, of Los Angeles, was here on a business trip this week.

JESSE WHITE.

San Diego, Cal.

Business in general has been exceptionally good, both in the flower and plant line.

The city park has seen a marked improvement in the last two years in the building of roadways and the planting of many thousands of trees and shrubs, most of them being in a very good and thrifty condition. There is quite a demand here for Cocos plumosa for planting along the streets, and a few years will add considerably to the general appearance of the city.

The Floral Park Nursery has been moving its gardens to a new location, as also has the Cottage Nursery.

Detroit.

CLUB MEETING.

The club meeting held on the evening of August 1, brought out a splendid attendance, the annual election of officers being the special incentive. The result of the election was as follows: William Dilger, president; E. A. Scribner, vice-president; Walter Taepke, treasurer; J. F. Sullivan, secretary; W. B. Browne, librarian.

The balloting was quite spirited between the supporters of William Dilger, the present incumbent, and E. A. Scribner, whose popularity a year ago for the same office was again shown this year. On the last ballot, however, the assistant park commissioner won out. The officers for vice-president, treasurer and secretary were unanimously elected. Another name was added to the membership roll and another applicant named to be voted upon at the next meeting.

Convention matters were discussed at considerable length and it was ascertained that a party of about 25 will attend from here. The route will be via Pere Marquette railroad leaving here at 12:35 p. m., August 20. J. F. Sullivan was appointed by the club to make all the necessary arrangements and to invite all delegates who can to join our party.

The great prevalence of the aster disease in this section was discussed and led to a resolution asking relief from the S. A. F., the secretary being instructed to prepare a petition to the society and asking for immediate action in the matter.

It was decided to get up a bowling team to enter the contest at Dayton. The Michigan Cut Flower Exchange offered part of their spacious rooms to the club in which to hold its meetings. The generous offer was gratefully accepted and after October 1 next the club's home will be at 40 Miami avenue.

Robt. Watson celebrated his sixtieth birthday last week. Many of his friends were present and failed in their attempt to ostlerize him. His wife presented him with an elegant gold watch which he now carries with the handsome chain given him by the Florists' Club on his retirement as president a year ago.

Gust. H. Taepke and wife are enjoying a trip to Atlantic City and will visit the large greenhouse establishments of Philadelphia and New York before their return.

John Breitmeyer's Sons' barn at Mt. Clemens with contents, including four horses, was entirely destroyed by fire early the morning of August 4.

J. F. S.

Pittsburg.

STOCK IN MARKET.

Business continues very dull, the only break in the quietness being occasional funeral work. Asters are to be seen everywhere and they bring almost nothing. The grade coming in now is far below that of last year at this time. Gladioli are also a bad glut, little good stock coming in. A few carnations arrive and find ready sale. Sweet peas are short stemmed and do not sell well. Lilies are very plentiful. Roses of cheaper grades are not moving, but good Kaiserins find eager buyers. American Beauty keeps up well. Lily of the valley is scarce. There is plenty of all green stock.

At A. W. Smith's they are taking advantage of the quiet spell by going on their vacations. S. Gibbs and Wm. Hall have left for Mr. Gibbs' summer residence, "Ligineer," Mr. West is in Atlantic City, while Fred Rigglemier, Joe King and Mr. Mason have gone to the mountains.

Wm. Potter and E. J. McCallum have returned from their fishing trip in Canada and state that the paddling of a canoe in the rapids furnishes more excitement than pulling in any amount of fish, of which they brought back some fine specimens.

J. P. Langhans left for the lakes in Canada for a month's outing. By the fishing tackle he is taking with him, it is "Good-by, Charlie," to the finny tribe thereabouts.

The Pittsburg Florists' Exchange has established a wire works in connection with their supply department. Richard Volkwien has taken charge.

Mrs. Schmucker met with an accident in her greenhouse last week, falling from a bench and tearing several ligaments in her left arm.

Ed. McGrath, of Britenstern & Flemm, spent a few days in Buffalo and Toronto.

Randolph & McClements have had a few nice decorations in spite of the hot weather.

J.

St. Paul.

TRADE DULL, STOCK PLENTIFUL.

A little dullness has been experienced the past week with stock rather overplentiful. Funeral work helps out very materially though, and there have been days when there has been lots of it to turn out. Roses are coming in by the wagon load and of pretty fair quality, though rather short stemmed, from young plants. Some are coming in from old plants and these are very good. Carnations, it may be said, are entirely out as just a few are seen and these of the very poorest quality. Asters and all outdoor stock is good and in large supply. Some Hohenzollern asters have been brought in by private parties, which are very fine and the dealers lucky enough to get them secure big prices for them.

O.

DENISON, TEX.—C. E. Majors and T. P. Gorman, foreman in the employ of Will. B. Munson, have leased the latter's greenhouses and floral business and will conduct them under the title of the Munson Greenhouses. Mr. Munson will give his entire attention to his nursery interests.

OUR PASTIMES.

At Springfield, O.

On Thursday, August 2, the first picnic of the Florists' Club was held at Eicholz park, a romantic spot on the Springfield, Troy and Piqua electric railway. Athletic sports began with quoits, Ward Welch and Charlie Schmidt proving a pair invincible against all opposing pitchers. Refreshments were abundant for a big noontime lunch and were partaken of at the pleasure of each member or guest throughout the day.

Ball was the leading attraction, a double header between the South Enders and the T'other Enders resulting in favor of the latter to the tune of 10 to 9 and 21 to 4. Jack Good, pitcher for the vanquished, claimed it would have been otherwise had he been supported by a catcher other than Ward Welch, who succumbed to "that tired feeling" and stretched at full length under a shade tree about the middle of the second game. Gus. Schneider and Charlie Schmidt worked together well as battery for the victors, and umpire Jimmy Maxwell announced amusing decisions in his rare old Scottish brogue.

The closing event was a boat race which culminated, through a deeply plotted conspiracy, in the capsizing of one boat and a thorough ducking for two muscular rowers.

G. D.

At Chicago.

The third installment of the try-out series, rolled August 7, brought out Ed. Winterson. The final and deciding games will be rolled at Bensinger's alleys, August 14. The latest scores follow:

Player.	1st.	2nd.	3rd.	4th.
Asmus	164	132	167	154
Hauswirth	120	148	139	159
Klunder	117	157	125	175
Winterson	139	145	140	138
Bergman	145	168	187	172
Scott	126	114	163	171
Wilson	142	175	146	142
Pasternick	112	134	170	181
Stollery	166	168		

The scores of the ladies were as follows:

Player.	1st.	2nd.	3rd.
Mrs. Scott	82	91	84
Miss Moore	126	84	133
Mrs. Hauswirth	133	80	125
Mrs. Asmus	90	85	64
Mrs. Kreitling	148	112	98
Mrs. Winterson	142	113	159
Mrs. Stollery	101	63	96
Mrs. Klunder		45	58

At Montreal.

GARDENERS' AND FLORISTS' CLUB PICNIC.

The Gardeners' and Florists' Club held their seventeenth annual picnic at Highgate Springs, July 25, and the event was most enjoyable.

Games were contested during the day, the winners in the various events being as follows:

Girls, 5 to 7—Manda Recka, Alice Horobin, Gladys Hope.

Boys, 5 to 7—T. Burrows, H. Robinson, G. Johnston, W. Luck.

Girls, 7 to 10—Hattie Horobin, Cherry Lloyd, Edith Burrows, Ida Binning.

Boys, 7 to 10—F. Smith, G. Robinson, W. Price.

Girls, 10 to 12—Maud Barton, Florence Denovan, Daisy Brown.

Boys, 10 to 12—Arthur Milne, Willie Triggs, John Allan.

Girls, 12 to 15—Gladys Browne, Ruby Woolner, Mabel Marshall.

Boys, 12 to 15—A. Guyot, H. Denovan, W. Heazel.

Young Ladies, 15 to 20—Bertha Livermore, Hattie Waters, Gertie Livermore.

Young Men, 15 to 20—W. Pewtress, D. Rathwell, W. Smith.

Ladies over 20—Mrs. Jamieson, Miss Carmichael, Mrs. Pewtress.

Members' Wives over 40—Mrs. Pewtress, Mrs. Browne, Mrs. Phillips.

Open race, men—W. S. Pierre, E. Kidby, A. Binning.

Members' wives under 40—Mrs. Craig, Mrs. Huggins, Mrs. Robinson.

Married ladies race—Mrs. Radley, Mrs. Gilmour, Mrs. Denovan.

Members under 40—G. Robinson, J. Luck, G. Vreugde.

Members 40 to 50—W. Heazel, H. S. Browne, J. Pidduck.

Members over 50—T. Martel, G. Trussell, A. Gibb.

Boot race—J. Luck, A. Binning, E. Kidby.

Running hop, step and jump—A. H. Walker, W. Heazel, E. Kidby.

Thread and needle race—M. Miles, E. Hibbs.

Walking match—A. Binning, M. Barnes.

Running long jump—A. H. Walker, F. LeBlanc.

Bean guess—Miss Binning, Mr. Colla.

Quoits, members only—W. Heazel, A. H. Walker, Geo. A. Robinson.

Quoits, open—W. Lindsay, W. Heazel, H. J. Eddy.

Tug of war, gardeners vs. florists, won by latter.

THE AMERICAN FLORIST

TWENTY-SECOND YEAR.

Subscription, $1.00 a year. To Europe, $2.00. Subscriptions accepted only from those in the trade.

Advertisements, on all except cover pages, 10 Cents a Line Agate; $1.00 per inch. Cash with Order.

No Special Position Guaranteed.

Discounts are allowed **only on consecutive insertions**, as follows—6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent.

Space on front pages and back cover page sold only on yearly contract at $1.00 per inch, net.

The AMERICAN FLORIST Advertising Department is for florists, seedsmen and nurserymen and dealers in wares pertaining to those lines only.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Monday to secure insertion in the issue of the same week. Address

AMERICAN FLORIST CO., Chicago.

When sending us change of address always send the old address at the same time.

We do not assume any responsibility for the opinions of correspondents.

THIS ISSUE 48 PAGES WITH COVER.

CONTENTS.

The street flower merchant 83
With the growers 85
—Emil Savoie, Secaucus, N. J. 85
—Otto Grundman, Secaucus, N. J. (il us) 85
Dayton convention notes 86
Convention sports 86
Concerning arrival in Dayton 86
Convention programme 86
Nymphæa dentata magnifica (illus.) 89
Manurial requirements of soil (illus.) 89
National Sweet Pea Society of England 90
Obituary—Wm. H. Watkins 90
—James Weir, Jr. (portrait) 90
—James Hartshorne (portrait) 91
St. Louis 91
Cincinnati 92
Kansas City 92
San Francisco 92
Detroit 93
Pittsburg 93
St. Paul 93
Our pastimes—At Springfield, O. 93
—At Chicago 93
—At Montreal 93
"Mr. Graham's choice" 94
Society of American Florists 94
American Rose Society 94
Detroit to Dayton 94
Chicago to Dayton via Big Four 94
Dayton delegates invited to Chicago 94
Meetings next week 95
Chicago 98
Philadelphia 100
Boston 100
New York 102
Utica, N. Y. 102
Orange, N. J. 102
The seed trade—Boston 106
—Seed crops in Morocco 106
—Farmers and seedsmen lose 106
—Schedule for cantaloupe seed selection (illus.) 106
—European seed crops 107
The nursery trade—Vaccinating trees 110
Columbus, O. 110
Newport, R. I. 111
Special illustration:
—The sunken garden, Fairmount park, Philadelphia 86

As next issue will be our Special Convention Number, correspondents and advertisers are requested to send in their copy as early as possible.

A. RICHON, of the firm of Richon & Hermes, Brittany, France, was among our recent visitors. Mr. Richon has been investigating the methods of leading firms in this country and incidentally traveled from coast to coast on a sightseeing tour.

In Chicago.

Visitors: W. L. Rock, Kansas City, Mo.; J. Steinhauser, Pittsburg, Kans.; Wm. Graff, Columbus, O.; D. C. Noble, Michigan City, Ind.; Chas. McAniff, Vaughan's Greenhouses, DesMoines, Ia.; E. N. Zetlitz, Lima, O.; James Follett, Webster City, Ia.; the Markey brothers of Fort Wayne, Ind., and S. S. Skidelsky of Philadelphia.

"Mr. Graham's Choice."

On these all too rare occasions when Adam Graham gets into print regarding society matters it behooves us to take heed. His suggestion that the office of president of the S. A. F. be given to H. B. Beatty is made in a direct, dignified and manly way, and should, and I think will, meet with the approval of those who prefer the straightforward way of doing things.

An association of some six years with Mr. Beatty in the executive committee work of the society long ago satisfied me of his eminent fitness for the position.

W. N. RUDD.

Society of American Florists.

DEPARTMENT OF PLANT REGISTRATION.

Lager & Hurrell, Summit, N. J., submit for registration orchid seedling Lælio-Cattleya Lady Bernice, Cattleya gigas atropurpurea and Lælia purpurata, Flowers large, seven inches across, sepals and petals lilac with numerous and delicate mottles and veins of rosy purple overlaid, these accentuating more toward the tips of the petals. Lip wavy, two inches across, dark purple with a minute margin of rose. Lower part of throat with numerous yellow and reddish-brown longitudinal veins, upper part or sides of tube-orange yellow.

NO WESTERN EXTENSIONS.

The Western Passenger Association, controlling territory west of Chicago, declines to give extension on return certificates from Dayton. Therefore certificates from that territory will be available only up to August 28.

WM. J. STEWART, Sec'y.

American Rose Society.

The executive committee held a meeting at the Fifth Avenue hotel, New York, and took up the matter of preparing the way for the next annual meeting and show at Washington, the Washington Florists' Club having joined hands to make a strong effort for a handsome showing. The committee went over the prize schedule of last year and spent some time in devising means to secure ample prizes for the exhibition.

The effort is being made to gather together, and put into permanent form, the history of the organization which was first started at Atlantic City in 1894, and the present organization which was put in force March 13, 1899, W. C. Barry, of Rochester, being the first president of the society. The motto which was proposed at the executive meeting, for the organization was "A rose for every home, a bush for every garden."

The sense of the committee is that the society should be broadened out to make it as comprehensive as its name, that "American" represents no section but takes in the entire bound of the zone where roses grow.

BENJ. HAMMOND, Sec'y.

Detroit to Dayton.

The Detroit Florists' Club has completed arrangements for the trip to Dayton and hereby extends a cordial invitation to everyone in this vicinity to join our party. Special cars will be provided on train leaving Detroit (Union depot) Pere Marquette R. R. (C. H. & D.) at 12:35 p. m., Monday, August 20. Toledo will be reached at 2 p. m., leaving there 10 minutes later with the Toledo delegation, arriving at Dayton 6 p. m. To those who are located at points in this section where railroad certificates are not obtainable, tickets should be purchased to Detroit where through tickets to Dayton with certificates can be obtained. Fare going and return $5.80.

DETROIT FLORISTS' CLUB.
J. F. SULLIVAN, Sec'y.

Chicago to Dayton Via Big Four.

The Chicago Florists' Club has concluded arrangements for the special train over the Cleveland, Cincinnati, Chicago & St. Louis Ry., leaving the Michigan Central passenger station, Twelfth street, Chicago, at 12:45 Monday noon, August 20, and due to arrive in Dayton, via Kankakee, Lafayette and Indianapolis about 8:40 p. m., practically a daylight ride all the way. The train will consist of three or more new day coaches, one combination car, and one dining car to serve luncheon and dinner a la carte.

The rate by the certificate plan for the round trip is only $9.70. These tickets are good on all trains August 17, 23 and for the return trip the validated certificates will be honored up to and including August 31.

The Chicago Florists' Club cordially invites the florists of the WEST, NORTHWEST and SOUTHWEST, delegates to the convention, to join this special train at Chicago Monday noon, as above stated, and see that when they buy their tickets and secure their certificates for the same that these tickets read "Via Big Four Route" from Chicago to Dayton.

Delegates who can join us at any point along our route are requested to do so. The committee will be glad to hear as early as possible from all who decide to join our party, so that the necessary arrangements can be made in time. Delegates buying tickets in Chicago will secure them at the city ticket office of the Big Four, 238 S. Clark street, with certificates.

Committee on transportation for the Chicago Florists' Club—J. C. Vaughan, Willis N. Rudd, George Asmus.

P. J. HAUSWIRTH, Pres.,
L. H. WINTERSON, Secy.

Dayton Delegates Invited to Chicago.

An informal meeting of the Chicago Florists' Club was held July 27 at 11 a. m. in the office of F. F. Benthey, for the purpose of inviting to Chicago, eastern members of the S. A. F. who might wish to extend their trip to this city. It was the intention of the meeting to plan some form of amusement for them but as it was impossible to obtain any estimate of the number who might come, it was finally decided to draw up the following invitation:

"Convention visitors who may decide to make a further western trip during the week following the Dayton meeting are cordially invited by the Chicago Florists' Club to advise its secretary when they will be in the city in order that an afternoon or evening meeting with the club can be arranged."

L. H. WINTERSON, Sec'y.,
49 Wabash avenue.
P. J. HAUSWIRTH, Pres.,
227 Michigan avenue.

Meetings Next Week.

Baltimore, Md.—Gardeners' Club of Baltimore, Royal Arcanum building, 18 W. Saratoga street, August 13, at 8 p. m.

Buffalo, N. Y.—Buffalo Florists' Club, 383 Ellicott street, August 14, at 8 p. m.

Cleveland, O.—Cleveland Florists' Club, Progress hall, 244 Detroit street, August 13, at 7:30 p. m.

Dayton, O.—Dayton Florists' Club, 112 South Main street, August 13.

Detroit, Mich.—Detroit Florists' Club, Cowie building, Farran and Gratiot avenues, August 15, at 8 p. m.

Lake Geneva, Wis.—Lake Geneva Gardeners' and Foremen's Association, News building, August 18, at 8 p. m.

New Orleans, La.—Gardeners' Mutual Protective Association, 144 Exchange alley, August 12, at 2 p. m.

New Orleans, La.—New Orleans Horticultural Society, 125 St. Charles street, August 16, at 8 p. m.

Newport, R. I.—Newport Horticultural Society, August 15.

New York.—New York Florists' Club, Grand Opera House building, 8th avenue and 23rd street, August 13, at 7:30 p. m.

Pasadena, Cal.—Pasadena Gardeners' Association, G. A. R. hall, East Colorado street, August 17, at 8 p. m.

San Francisco, Cal.—Pacific Coast Horticultural Society, August 18.

Scranton, Pa.—Scranton Florists' Club, Guernsey building, August 17, at 7:30 p. m.

St. Louis, Mo.—Plant and Cut Flower Growers' Association, August 15, at 3 p. m.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

Cash with Adv.

Plant Advs. NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1906 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

Situation Wanted—By first-class orchid grower and gardener, fully up-to-date; best of references. Address Key 755, care American Florist.

Situation Wanted—Experienced man in general indoor and outdoor work is open to engagement in public or private garden; best of references. Address JOHN FABIAN, 2234 W. Kinzie St., Chicago.

Situation Wanted—By a first-class landscape gardener and florist, capable of taking charge of a gentleman's estate or a public institution; A1 references as to ability, etc.; Scotch; good wages expected. Key 753, care American Florist.

Situation Wanted—By an all-around florist and gardener, age 29; Swede. Life experience in Europe and this country; to take charge of private or commercial place; first-class references. Please give full particulars in first letter. Address Key 751, care American Florist.

Situation Wanted—By first-class florist. No. 1 rose, carnation, fern grower and everything in the line. Good recommendations from old and this country; 18 years' experience in 6 different countries. 28 years old; married man. Address RICHARD RIVI 427 4th St. S., Minneapolis, Minn.

Situation Wanted—Gardener on private or commercial place; 12 years' experience in all branches, both outdoors and under glass; A1; grower of roses, chrysanthemums and carnations; best references; age 30 years; married, no children. Address E. OHERER care Chas. Kuster, 309 East 88th St., New York City.

Help Wanted—A first-class carnation grower. Wages $45.00 to $50.00 per month; send references. HASKELL AV. FLORAL CO., Dallas, Texas.

Help Wanted—At once; capable man to take charge of 20,000 feet of glass in carnations; $50.00 per month to start. J. W. DUNFORD, Clayton, Mo.

Help Wanted—A young lady as designer in store; must have recommendations as to refinement and character. Address Key 741, care American Florist.

Help Wanted—A single young man with some experience in greenhouse work. State wages, with board and room. Address Key 754, care American Florist.

Help Wanted—Two young men as helpers in carnation sections; good opportunity to learn the business. Address CHICAGO CARNATION CO., Joliet, Ill.

Help Wanted—One good nurseryman and good propagator wanted at our nurseries; good wages to right man. VAUGHAN'S SEED STORE, Chicago.

Help Wanted—A man for general greenhouse work and who is willing to make himself generally useful under a foreman. Address IDLE-HOUR NURSERIES, Macon, Ga.

Help Wanted—At once a man for general greenhouse work, to assist in growing carnations and general stock. Must be sober and reliable. DANIEL E. GORMAN, Williamsport, Pa.

Help Wanted—A good greenhouse man; must be sober and have a good, fair knowledge of carnations and general stock. Wages $ 0.00 per month. Key 747, care American Florist.

Help Wanted—Hustling man with some experience in general greenhouse work; must have good references; steady place for the right man. VAUGHAN'S GREENHOUSES, Des Moines, Ia.

Help Wanted—About October 1, all-'round gardener; private place, small greenhouse, but mostly outdoor work; must be sober, reliable and well recommended; $45 per month, room and fuel. J. S. BAKER, St. Croix Falls, Wis.

Help Wanted—Gardener, married German preferred; if family, state how many. Location Western Pennsylvania, near large city; comfortable home on place. Must understand care of cows and greenhouse, same heated by gas. Wages $40.00 per month and house. Last man with me 10 years. Address D., care American Florist, 1133 Broadway, New York.

Wanted—A small second-hand refrigerator and counter for florist's store; must be cheap. Address W. W. COLES, Kokomo, Ind.

For Sale—Upright 15 horse-power boiler; about 800 ft. 1½-in. pipe; 400 ft. glass; at a bargain. C. A. SKIDMORE, Stockbridge, Mich.

For Sale—Nine greenhouses, dwelling house and barn, 3½ acres of ground. For particulars address P. O. Box 109, Newtown, Bucks Co., Pa.

For Rent—Four greenhouses, 11,000 ft. glass, at Cedar Rapids, Iowa, stocked and in good repair. W. M. KEELEY, Washington, Iowa.

For Sale—Florist store, including 52-foot greenhouse and 4-room dwelling house on 125 foot lot. Steam heat. MRS. EMMA WALLENBERG, 148 W. 24th St, near Western Ave., Chicago.

For Sale—Worthington duplex steam pump, capacity 30-40 gal. per minute in good condition, $45.00; No. 1 receiver and fittings for pump, good as new $50.00. Dean pump for hand or steam, almost new, $20.00; 6-inch pressure regulator, used two seasons, $50.00; 2½-inch pressure regulator, $18.00. Carnation supports, $15.00 per 1000; $125.00 for 10,000. JAMES W. DUNFORD, Clayton, Mo.

For Sale—On easy terms, owing to owner having other business, a well-established florist concern in Michigan; 10,000 feet of glass; 8-room dwelling house and barn; steam heated; all practically new and up to-date; well stocked for retail trade; 5,000 carnations in field ready for early benching; part payment in wages, with chance to buy a larger interest or the whole outright. Address Key 748, care American Florist.

HELP WANTED.

Grower of miscellaneous stock, principally tea roses and carnations, for a public institution with about 15,000 feet of glass and plenty of outside ground; position pays $40.00 per month with room and board. Send full particulars to

Key 752, care American Florist.

GLASS—Big Bargain.

300 to 500 boxes 16x18 Double Thick B. in one shipment, at $2.75 per box, net cash, f.o.b. cars Boston, New York, Philadelphia, Baltimore, Pittsburg, Cincinnati, Cleveland, Buffalo, Detroit or Chicago. All other sizes very cheap. Last chance. Address

James H. Rice Co. Illinois & St. Clair Sts. CHICAGO.

FOR SALE.

Heller Mouse Proof Seed Drawers, 5 sections each containing 16 large drawers, 6 inches wide, 6 inches high, 9½ inches long. 48 small drawers, 4 inches wide, 4 inches high, 9½ inches long, in good condition, reason for selling, business demands larger size boxes, price $60.00

VAUGHAN'S SEED STORE, CHICAGO.

FOR SALE.

All or part interest in a good 8-house greenhouse plant at Des Moines, with 3 acres of ground. Good foreman there will retain working interest.

VAUGHAN'S SEED STORE
CHICAGO.

HOT WATER BOILER.

Six feet high, new, double strength tubes; new asbestos lining; new, thick iron pocket; new grate; new grate rest; practically new—complete. Will heat 3,000 square feet. $85.00, cash with order. F. O. B.

F. WALKER & CO.,
R. F. D. No. 1. **NEW ALBANY, IND.**

BOILERS.

One 80 H. P., one 40 H. P., return tubular; one 32 H. P. upright tubular, for sale at buyer's price. Must be moved at once. Address

1418 Washington Ave.,
PHILADELPHIA.

GLASS.

We have for sale a lot of 16x18 glass A. & B. D. S, at a low price.

A. DIETSCH CO.,
617 Sheffield Ave., CHICAGO.

FOR SALE.

Two 75 H. P. Horizontal Tubular Boilers.

In Good Condition.

Dimensions, each 60 inches in diameter by 14 feet, 3 inches long; containing 92 tubes 3 inches diameter by 15 feet long.

Made by Roberts Iron Works Company, Cambridgeport, Mass.

Ten (10) years old. Copy of latest inspection report can be forwarded. Boilers must be removed during this summer. Price $400.00. Arrangements for delivery can be made according to conditions.

ISAAC COFFIN COMPANY,
52 Sudbury Street, : : BOSTON, MASS.

VALUABLE GREENHOUSES
TO LEASE.

The houses formerly owned by the late F. A. Blake, of Rochdale, Mass, will be leased on easy terms to responsible party.

They consist of seven houses having a floor area of 6,800 sq. ft., with boiler house, barns and 2 to 3 acres of good land.

The stock, consisting of 2,600 choice carnations in the field and a large and select variety of other plants, will be sold cheap for cash to the lessee. Situated 9 miles from Worcester and 53 miles from Boston.

Address

MRS. F. A. BLAKE, Rochdale, Mass.

NOTICE
—OF—
STOCK HOLDERS MEETING.

CHICAGO, July 21, 1906.

Stockholders of the American Florist Company:

You are hereby notified that the annual meeting of the Stockholders of the American Florist Company will be held in the Beckel Hotel, Dayton, O., Wednesday, August 22, 1906, at 3 o'clock P. M., for the purpose of electing directors and officers for the ensuing term, and for the transaction of such other business as may come before the meeting.

J. C. VAUGHAN, Pres.
M. BARKER, Sec'y.

WATCH US GROW.

Araucaria Excelsa

The Best of All Decorative Plants Nature Produces

OUR SPECIALTY.

Think of Aschmann, the great Araucaria Importer of America, before buying elsewhere.

Fill your empty houses now, and make 100 per cent on your money while you are asleep.

Notice.—When you undertake anything, do it well or not at all. This is our motto, adopted eleven years ago, when we imported the first lot of this well known pot plant, the Araucaria Excelsa, from Belgium. These everlasting green foliage pot plants are growing more in favor by the tasteful plant buyers of the land from year to year. Please watch the growth of our importations during the last eleven years. First year 100; second year, 250; third 500; fourth, 1,000; fifth, 2,000. Now this year, 1906, is our **eleventh anniversary** since we began importing them, and they have grown up to 6,000, this spring's importation.

All these are grown for me under contract by an Araucaria specialist in Belgium. I must say, for the benefit of my customers, that they were never before so nice and large for the money as this year. Perfectly recovered from their sea voyage and well established, planted to 5½, 6 and 7 inch pots, ready ship to all points in America.

I herewith quote you special low prices on them for cash: **Araucaria Excelsa**

12 to 14 in. high, 5½-in. pots, 3 to 4 trs., 2 yr. old.$ .50
12 to 14 in. high, 5½-in. pots, 3 to 4 trs., 2 yr. old. .60
16 to 18 in. high, 5½ to 6 in. pots, 3 to 4 trs., 3 yr. old ..... .75
18 to 20 in. high, 6-in. pots, 5 to 6 trs., 4 yr. old.. 1.00
20 to 24 in. high, 6-in. pots, 5 to 6 trs., 4 yr. old.. 1.25
36 to 50 in. specimen, 7-in. pots, 6 yr. old, $2.50 to 3.00

Araucaria Compacta Robusta, have 1000 of them, never were so nice as this year. Plants are as broad as long from 12 to 20 in. in height, 3 to 4 perfect tiers, 20 to 30 in. wide across from one tip of tiers to the other, 3, 4 and 5 years old, 6 to 7-in. pots, $1.25, $1.50, $1.75, $2.00, up to $3.00 each.

Araucaria Excelsa Glauca, are perfect jewels in shape and size; their beautiful green-blue tiers make them of such a striking appearance that everybody seeing them must fall in love with them on sight, and cannot help it. Plants, 6 to 7 in. pots, 3, 4 and 5 perfect tiers, 15 to 25 in. in height, from 15 to 30 in. across, $1.25, $1.50, $1.75, $2.00 to $2.50 each.

Please bear in mind these mentioned varieties are the cream of Belgium importations. We have thousands of them; can meet all demands.

Kentia Forsteriana, 6-in. pots, 35 to 40 in. high, 5 to 6 leaves, 4 years old, $1.25 to $1.50; 30 to 35 in. high, 4 years old, 6 in. pots, $1.00; 5½-in. pots, 25 to 30 in. high, 3 years old, 75c; 4 in. pots, made up with three plants, 18 to 20 in. high, 25 to 30c. **Belmoreana,** 6 in. pots, 4 years old, 5 to 6 leaves, bushy, 30 to 35 in. high, $1.25; 5½ to 6 in. pots, 3 years old, 5 to 6 leaves, 75c to $1.00 each. Above are the sizes entered in the custom house. **Kentia Forsteriana,** 7-in. pots, made up plants, on elarge in center, three smaller sizes, about 22 to 24 in. high, price $2.00 each.

Cycas Revoluta or **Sago Palm,** 6 to 7 in. pots, 7 to 20 leaves, 10c per leaf.

Cocos Weddelliana, 15c.

Areca Lutescens, made up plants, 4-inch pots, 25c.

Solanum or **Jerusalem Cherries,** 2½-in., per 100, $5.00; the same varieties as we sell at Xmas, for from 75c up to $1.00 each.

Ficus Elastica, Belgian importation, 4-in. pots, 25c.

Ferns. A fine assortment of Ferns for dishes, large, bushy, out of 2½-inch pots $5.00 per 100.

Barrowsii ferns, 4-in., 25c; 6-in., 75c. **Scottii,** 4-inch, 25c; 5 inch, 40c; 6 inch, 50c

All goods must travel at purchaser's risk. Cash with order, please.

GODFREY ASCHMANN,
Importer and Wholesale Grower of Pot Plants,
1012 Ontario St., PHILADELPHIA, PA.

Nicholson's Dictionary of Gardening.
FOUR VOLUMES, $20.00.

An Excellent Work of Reference.

American Florist Co.
324 Dearborn Street, CHICAGO

GERANIUMS

2½in. Pots, Ready for Immediate Delivery.

Alliance. Lemoine 1905. Hybrid, Ivy and Zonal, semi-double, lilac white, upper petals feathered and blotched crimson maroon. 25c each; $2.00 per doz.

Fleuve Blanc, the semi-double Bruant that promises to become the standard white, flowers and foliage equal to Alph. Riccard. $1.50 per doz.; $10.00 per 100.

Double Dryden, $1.00 per doz.; $5.00 per 100.

Cactus Geraniums, four varieties, petals curled and twisted similar to the Cactus Dahlia, $2.00 per doz.; $15.00 per 100.

S. A. Nutt, La Pilote, Beaute Poitevine, Mme. Barney, Centaur, Miss Kendall, Mme. Jaulin, Jean Viaud, Mme. Charotte, 40c per doz.; $2.00 per 100; $18.00 per 100.

Ville Poitiers, Marquise de Castellane, Berthe de Persilly, M. Jolly de Bammeville, Thos. Meehan, 50c per doz.; $3.00 per 100; $25.00 per 1000.

Send for Geranium Catalogue. Let us figure on your future supply.

	Per 100	1000
Alternanthera, red and yellow	$2.00	15.00
Hardy English Ivy	2.00	15.00
Smilax	2.00	15.00

DAHLIA ROOTS.

We are booking orders for fall delivery. Send for list.

A cordial invitation is extended to all interested in horticulture to visit us. Cowenton station, Philadelphia division, B. & O. R. R., 12 miles north of Baltimore.

R. VINCENT, JR. & SON, White Marsh, Md.

Please mention the American Florist when writing.

HELLO! BROTHER FLORISTS, ARE YOU GOING TO DAYTON?

We want to meet you there and show you some of our new **CANNAS.** Our bank account was not large enough so that we could afford to pay the price asked for space by the S. A. F. in the fair grounds, so we had ours planted in the city parks. We have been told that no one would see them, so we thought we would tell "you all" about them so you would be interested in seeing them.

There is only 1445 of them, in 188 different varieties, all but 17 of which are of our own originating. We don't need to tell you what we think of them, but we do want to know what you will think of them, for if "you all" say they will be winners, then we will "whoop 'em up" and give "you all" a chance to buy some of them.

Southern Floral Nursery Co., BUCKATUNNA, MISS. and FRUITDALE, ALA.

GET THE BEST

It don't pay to buy poor stock.

		Per 100	Per 1000
Richmond Roses,	2½-in.	$5.00	$40.00
	3½-in.	6.50	55.00
American Beauties,	3-in.	5.00	40.00
	3½-in.	6.50	55.00
Brides, Maids,	3½-in.	5.00	45.00
Chatenay,	2½-in.	3.50	30.00
	3½-in.	5.00	45.00
Uncle John,	2½ in.	3.50	30.00
	3½-in.	5.00	45.00
Golden Gates,	2½-in.	3.50	30.00
	3½-in.	4.50	
Kaiserin,	2½-in.	3.50	30.00
Sunrise,	3½ in.	5.50	50.00
Perles,	3½-in.	6.00	55.00

Satisfaction Absolutely Guaranteed.

	Per 100	Per 1000
Sprengeri, 2-in.	$2.20	$18.00
Plumosus, 2 in.	2.50	22.00
Yellow Snapdragon, 3½-in.	5.00	45.00

Field-Grown Carnation Plants.

Free from stem rot or other diseases.
Strong, healthy plants

	100	1000		Per 100	1000
Mrs. T. Lawson	$5	$45	Red Sport of Maceo	$4	$35
White Lawson	6	50			
Wolcott	4	35	Queen	4	35
Prosperity	4	35	Patten	4	35
The Belle	4	35	Elsie Marten	4	35
Bountiful	6	55	Harlowarden	4	35
Enchantress	6	55	Fiancee	4	35
Phyllis	4		Cardinal	6	50

POEHLMANN BROS. CO.

MORTON GROVE, ILL.

Please mention the American Florist when writing.

FOR SALE.

1,200 Carnations, Lawsons mixed and Enchantress at 3c; 500 Chrysanthemums at 2½c each; about 100 Cypripedium plants at 25c, and 6 nice Bougainvillea Trees at $2.00 each.

JOHN J. FOLEY,
MADISON, N. J. or 226 Bowery, NEW YORK.

CARNATIONS

SPLENDID PLANTS.

Lawson, pink	$6.00 per 100
Harlowarden	6.00 per 100
White Cloud	5.00 per 100
Prosperity	5.00 per 100
Boston Market	5.50 per 100
Queen Louise	5.00 per 100
Crocker	5.00 per 100
Joost	5.00 per 100

United States Cut Flower Co.
ELMIRA, N. Y.

It Reaches The Buyers.

AMERICAN FLORIST CO.:—

I wish to express my appreciation of THE AMERICAN FLORIST as a trade paper. My sales have far exceeded my most sanguine expectations and of our immense stock only a few thousand remain and they are moving rapidly. We find that nearly every state in the Union has its consignments, with Canada also getting into the procession, many orders being repeated.

W. J. OLDS.

UNION CITY, PA., July 30, 1906.

Phoenix Roebelenii.

THE MOST GRACEFUL PALM OF ALL.

We have almost the entire stock of it in America.

SEEDLINGS, $5.00 per 100; $40.00 per 1000; $350.00 per 10,000. 4-in. pot plants, about 1 foot high, 12 to 15 leaves, $1.00 each; $80.00 per 100; $750.00 per 1000. 7-in. pot plants, about 2-2½ feet high, $5.00 each; $40.00 per 10: $350.00 per 100.

SPECIMEN PLANTS, $7.50 to $10.00.

We also offer for sale—**STOVE PLANTS, CALADIUMS, CROTONS** and **DRACAENAS** in finest varieties at reasonable prices.

JOHN LEWIS CHILDS, FLORAL PARK, L. I., N. Y.

Please mention the American Florist when writing.

5,000 PALMS.

SUMMER BARGAINS TO MAKE ROOM.

	Per 100
Lantania Borb., 2¼-in. pots	$ 4.00
" " 4½-in. pots	25.00
" " 5-in. pots	30.00
Kentia Balmoreana, 3½-in. pots	20.00
" " 4½-in pots	30.00
Boston Ferns, 2½-in. pots	4.00
Farfugium Grande, 3½-in. pots	10.00
" " 5-in. pots	15.00

Field grown **Bouvardias** and **Carnations** priced on application. Address

NANZ & NEUNER, Louisville, Ky.

BERTHA RATH

CARNATION CUTTINGS,

FERNS, PALMS,

ARAUCARIA EXCEL,

ASPIDISTRA,

Green and Variegated.

BAY TREES and PRIVET,

Fine, Strong Stock.

R. DREYER, WOODSIDE, L. I., N. Y.

Hardy Cut Fern,

FANCY or DAGGER,

Now 75c per 1000.

Fine Sphagnum Moss,

50c per bbl.

All orders by mail or despatch promptly attended to.

THOMAS COLLINS, Hinsdale, Mass.

Hardy Cut Fern

FANCY OR DAGGER,

Now 75c per 1000.

All orders by mail or despatch promptly attended to.

Hinsdale Fern Co. P. O. Box 157, HINSDALE, MASS

Convention Number

August 18. Send Advt. Now.

New Crop Dagger and Fancy Ferns

$1.00 per 1000.

FOR EVERY OCCASION.

HARDY CUT DAGGER and **FANCY FERNS,** per 1000..1.00
Discount on large orders.
BRILLIANT BRONZE and **GREEN GALAX,** per 1000.. 1.00
10,000 lots $7.50.
BOUQUET GREEN, per hundred yards..... 7.00
LAUREL FESTOONING, good and full, 5c to 6c per yard
LAUREL WREATHS, per dozen..... 3.00
BRANCH LAUREL, per bunch.....$ .50
BOXWOOD, per pound..... .20
LEUCOTHOE SPRAYS, per hundred..... 1.00
GREEN and **SPHAGNUM MOSS,** per barrel 1.00
LYRATA, which makes a fine substitute for decorations for June.

Also headquarters for all Florists' Supplies, such as **Milkweeds, Wire Designs, Cut Wire,** all kinds of **Letters, Immortelles, Cycas Leaves,** sheaves of **Wheat, Ribbons, Corrugated Boxes** of all kinds, etc.

HENRY M. ROBINSON & CO., L. D. Phone 7618 Main. **8 to 11 Province St., Boston, Mass.**

Extra Fine New Crop FANCY FERNS

$1.00 per 1000

Discount on large orders.

GALAX.....per 1000, $1.25

Send for our weekly price list on Cut Flowers.

MICHIGAN CUT FLOWER EXCHANGE

WM. DILGER, Manager. 38 and 40 Miami Ave., **DETROIT, MICH.**

MOVED To Larger Quarters.

RICE BROTHERS,

128 N. Sixth St.

We are now located in our new place of business, directly across the street from old quarters. Have added a more extensive line of supplies, comprising the most complete stock carried by a supply house. Every facility to handle cut flowers in the proper shape, having chemical and ice storage.

FLOWERS BILLED at MARKET PRICES

Greens of all Kinds.

MINNEAPOLIS, MINN.

SOMETHING NEW Branches of the Huckleberry Tree.

A most elegant decorative green. It is largely used by florists of the Pacific Coast, Washington and Oregon in decorations. The branches are flat, very thickly furnished with exceedingly lustrous, green leaves, and it seems to adapt itself to almost any position in decoration that the Wild Smilax can be used in. New crop **Hardy Ferns,** now ready. Fancy $1.25 per 1000; Dagger, $1.00 per 1000.

CALDWELL, the Woodsman, EVERGREEN, ALA.

SEND FOR FREE SAMPLE OF MY

Fadeless Sheet Moss

EDWARD A. BEAVEN,

Evergreen, Ala.

A Few Good Things You Want.

Cash with Order.

Dracaena Indivisa, 4 and 5-inch, $10.00 and $25.00 per 100.
Asparagus Plumosus, 2-in., $3.00 per 100.
Asparagus Sprengeri, 2-inch, $2.50 per 100.
Geraniums, S. A. Nutt, Castellane, John Doyle, Perkins, Poitevine and Double Gen. Grant, La Favorite Mme Saleroi, 2-in. pots, $2.00; 3-in. pots, $4.00 per 100. Rooted cuttings, $1.00 per 100
Rex Begonia, nice plants, 2 and 2½-inch, $5.00 per 100.
Boston Ferns, 5-inch, 30c each.
Pierson Ferns, 5-inch, 50c each.

GEO. M EMMANS, NEWTON, N. J.

Please mention the American Florist when writing.

SMILAX,

2½-inch pots, $1.00 per 100.

Rex Begonias, 2½-inch pots, $3.00 per 100. Rooted Cuttings, $1.50 per 100.

CASH WITH ORDER.

VICTOR H. THOMAS, Augusta, Ky.

Please mention the American Florist when writing.

LARGEST STOCK OF ALL

Belgian Plants.

AZALEAS, ARAUCARIAS, SWEET BAYS, PALMS, BEGONIAS, GLOXINIAS, ETC.

Louis Van Houtte Pere,

GHENT, BELGIUM.

Please mention the American Florist when writing.

Chicago.

WEEK SHOWS SLIGHT IMPROVEMENT.

August, which is generally decried as the poorest of the poor months, opened fairly well, with an abundance of all kinds of stock and normal prices prevailing. The quality of roses as a whole improved considerably. Instead of the miserably poor rose stock of a week ago, the market now offers some very good Bridesmaid, Kaiserin, Killarney and American Beauty which find a ready sale. Carnations are very scarce, and move slowly. Some good, clean Boston Market was offered last week at a reasonable price with no buyers in evidence. Asters have proven a drug for sometime and it is hoped that the flood of these blooms will soon be over. They bring no staple figures, being sold for whatever it is possible to get. In addition to this the stock is mostly of an inferior grade. Most of the wholesale houses are displaying a few forlorn stalks of gladioli which it seems impossible to move. Sweet peas are being received in small quantities, and sell well. Outdoor flowers of all sorts are arriving in good quantities and meet a good demand.

NOTES.

P. J. Foley has just returned from a trip into the "woolly west" or at least that portion of it within the boundaries of Montana where he is interested in a timber deal. His firm is now erecting 10 greenhouses for the personal use of one R. M. Synder, a Kansas City gentleman, who has acquired 5200 acres of land in the heart of the Ozark mountains. This estate is said to be one of the finest in the world, situated 28 miles from the nearest railroad. Mr. Synder has secured the services of a Mr. Pierce, well known in English horticultural circles, who will devote his entire time to beautifying the grounds.

Ed. Winterson returned from his trip to Michigan, August 2. He reports conditions in the neighborhood of Detroit very satisfactory and was impressed by the appearance of the roses which he says give great promise. Among other incidents of the trip was a visit to John Breitmeyer's extensive establishment where he says he saw no less than 30,000 Shasta daises of exceptional size.

John Sinner has been experiencing some trouble with weeds in his carnation patch at Rogers Park. These pests were removed by hand several weeks ago but appeared again in even greater numbers than before. He then hoed the patch thoroughly and since has had no trouble.

James Harthorne's sudden death August 6, due to intestinal difficulties, shocked his many friends in the trade. He was in the city only a few days before, and while not quite well, there was no indication of the serious character of the trouble.

The Kroeschell Bros. Co. report a booming business. The firm seems to be experiencing a demand for large boilers, as it is claimed that the tendency is to establish center heating systems in preference to a number of scattered, smaller installations.

The Chicago Rose Co. finds its stock of grass growing heads a decided help in the present season of poor business. The firm is well situated for the sale of such novelties as the store lies along the thoroughfare most used by Michigan pleasure seekers.

It would seem that asters had reached the lowest depths of degradation when J. B. Deamud offered a lot of 2,500 for 8 cents per 100 last week. This record, however, was beaten by another commission house which sold 300 bunches for $3.50.

Bassett & Washburn are now cutting their second crop of Kaiserin roses which they say is inadequate to meet the demand. They are also bringing in some choice long stemmed Bridesmaids.

The windows of H. E. Klunder's retail store in the Masonic Temple building are showing a rare collection of nymphæa hybrids and nelumbiums. The display is attracting much attention.

Fred Sperry, of Vaughan & Sperry, left the city for a three week's vacation trip. He intends to spend a week or 10 days in Michigan and then go further east before returning home.

E. C. Amling, who is taking his vacation on the installment plan, spent three days among some small lakes in northern Illinois last week. The trip was made in his automobile.

The State street belles with escorts are now presented with flowers (one aster bloom at this time) by the newsboys and the gallant swains, of course, buy up all the papers.

W. E. Lynch, of E. H. Hunt's, will take a vacation trip to Massachusetts next week. Miss Sisler, of that firm, will spend the next two weeks in Grand Rapids, Mich.

Wietor Bros. report a very satisfactory business this season. They have sold large numbers of carnation plants, one order received last week, calling for 12,000 plants.

Otto Goerisch, of the A. L. Randall Co., will take a two week's vacation to Benton Harbor, Mich. E. Johnson, of the same firm, returned August 6 from his outing.

Percy Jones is daily receiving a shipment of 3,000 sweet peas of exceptional quality. He says he could dispose of several times that number if they were obtainable.

Peter Reinberg announces a good demand for all grades of stock and a lively shipping business. He disposed of several large orders for carnation plants last week.

The Benthey-Coutsworth Co. has finished planting and is daily cutting some choice Bride and Bridesmaid roses. This firm is also bringing in a few fine Killarney.

W. L. Rock, of Kansas City, is on his way home from a vacation trip in Northern Michigan. He stopped for a few days to renew some old acquaintances.

P. Schupp and family returned from a week's vacation in Michigan, August 1. He says that the peach crop in that section is suffering severely for want of rain.

Zech & Mann are handling a daily shipment of about 200 Lilium rubrum which finds a ready sale.

Nursery.

H. H. Frey and son of Lincoln, Neb., spent several days in the city last week, purchasing material to build five new houses.

Weiland & Risch are now cutting from 200 to 250 tuberoses daily. They are also bringing in some fine Killarney.

Poehlmann Bros. installed four 1,000-H. P. boilers, Racine make, in their new plant last week.

F. W. Timme left August 4 for a brief vacation in Scotland and Germany.

The J. D. Thompson Carnation Co. expects to finish planting this week.

C. W. McKellar went to Mt. Clemens, Mich., last week, on business.

30,000 Fine Field-Grown **CARNATION PLANTS**

The following varieties:

	100	1000		100	1000
White Cloud	$3.00	$25.00	Sports.....	3 00	25.00
Ine.....	3 00	25 00	Flora Hill ..	3.00	25.00

Sprengeri and **Plumosus.** We grow them in 2½-inch pots and they are nice, bushy plants.

WALDECK BROS., 1218 Oakton St., **Evanston, Ill.**

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO,

Wholesale Dealers and Growers of **Cut Flowers**

GREENHOUSES: HINSDALE, ILL.

It is good business policy to mention

The....

AMERICAN FLORIST

When you write to an advertiser.

Special Train

CHICAGO FLORISTS' CLUB

VIA

Big Four Route

CHICAGO TO DAYTON, O.

August 20, 1906.

LEAVE CHICAGO—Illinois Central Depot 12th and Michigan Avenue, 12:45 p. m. **Monday, August 20th.** Arrive at Dayton about 8:55 p. m. Elegant Coaches and Dining Car. A general good time assured enroute. Send your name at once to the committee if you contemplate joining the party. **J. C. Vaughan, W. N. Rudd, Geo. Asmus, Committee on Transportation.**

TICKET OFFICE:
238 Clark St., Chicago.

I. P. SPINING,
General Northern Agent.

E. H. Hunt,

WHOLESALE

Cut Flowers

"THE OLD RELIABLE."

76 Wabash Ave., ...CHICAGO.

Please mention the American Florist when writing.

E. C. AMLING

THE LARGEST, BEST EQUIPPED, MOST CENTRALLY LOCATED WHOLESALE CUT FLOWER HOUSE IN CHICAGO.

32, 34, 36 RANDOLPH ST., CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Please mention the American Florist when writing

WEILAND-AND-RISCH

Wholesale Growers and Shippers of CUT FLOWERS

59 Wabash Ave., CHICAGO.

'Phone Central 879

Write for our wholesale price list.

WHOLESALE FLORISTS

Please mention the American Florist when writing

Jensen & Dekema

CARNATION SPECIALISTS

674 W. Foster Ave., CHICAGO.

Please mention the American Florist when writing

SINNER BROS.

WHOLESALE CUT FLOWERS

60 Wabash Ave., Chicago.

Careful attention to all

SHIPPING ORDERS.

Please mention the American Florist when writing.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty.....

WHOLESALE GROWER of CUT FLOWERS

Chas. W. McKellar

51 Wabash Ave., CHICAGO.

ORCHIDS

A Specialty,

Fancy Stock in VIOLETS, VALLEY, ROSES, BEAUTIES, CARNATIONS and a full line of all Cut-Flowers, Greens, Wire-Work and FLORISTS' SUPPLIES.

Send for Complete Catalogue.

Wholesale Flower Markets

CHICAGO, Aug. 8.

Roses, Beauty, 30 to 36-in. stems		4.00
" " 20 to 24 "		2.50@ 3.00
" " 15 to 18 "		1.50@ 2.00
" " 12 "		.75@ 1.00
" Liberty, Chatenay		3.00@ 6.00
" Bride, Bridesmaid		3.00@ 6.00
" Golden Gate		3.00@ 6.00
" Killarney, Richmond		4.00@10.00
Carnations		1.00@ 1.50
" fancy		2.00
Lily of the valley		2.00@ 4.00
Harrisii lilies	per doz. $1.50	
Asparagus plumosus, per string 35 to 50c.		
" "	.35@ 1.00 per bu.	
" Sprengeri		2.00@ 4.00
Galax leaves	per 1000, $1 25	.15
Adiantum		.75@ 1.00
Fancy ferns	per 1000 1.50	
Smilax	per string, 10c @12½c	
Sweet peas		.50
Asters		1.50@ 2.00
Auratum lilies	doz., 1.50	

Poehlmann Bros. Co.

Wholesale Growers of and Dealers in Cut Flowers.

All telegraph and telephone orders given prompt attention.

Greenhouses: MORTON GROVE, ILL.

35-37 Randolph St., CHICAGO.

WIETOR BROS.,

Wholesale Growers of Cut Flowers

All telegraph and telephone orders given prompt attention.

51 Wabash Ave., CHICAGO.

J. B. DEAMUD CO.

Wholesale Cut Flowers,

51 and 53 Wabash Ave., CHICAGO.

Long Distance Phone Central 3155.

Consignments of Choice Flowers Solicited.

The Geo. Wittbold Co.

1657-1659 Buckingham Place, CHICAGO.

The only retail florist in Chicago who grows his own cut flowers.

FUNERAL WORK ORDERS, OUR SPECIALTY.

Be your own Commission Man

THE FLOWER GROWERS' MARKET

furnishes the facilities.

See PERCY JONES, Mgr.

60 Wabash Ave., CHICAGO.

Vaughan & Sperry,

Wholesale Florists,

58 and 60 Wabash Ave., CHICAGO.

WRITE FOR SPECIAL PRICES.

Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO.

Telephone, Central 3284.

Please mention the American Florist when writing.

PETER REINBERG

Grower and Wholesaler of Cut Flowers.

1,200,000 feet of glass

Headquarters for American Beauty.

51 Wabash Ave., CHICAGO.

Always mention the American Florist when you order stock.

KENNICOTT BROS. COMPANY

40-42-44 Randolph St., CHICAGO.

Our reputation has always been that we fill orders when others fail. All stock in season at Lowest Market Rates.

THE BENTHEY-COATSWORTH CO.

35 RANDOLPH ST. WHOLESALE FLORISTS CHICAGO.

Philadelphia.

THE MARKET.

The past week has been the dullest of the season, there being no activity save about the water coolers which are just now centers of interest. While good stock is scarce there appears plenty for the demand. Imported American Beauty roses are done for a while and some very nice local stock is coming in with stems as long as 36 inches and really choice flowers for the season. As high as $3 per dozen is asked for the best. Killarney is going to make itself felt in the market the coming season and some pretty flowers with medium stems are already seen. There is also some fine Bridesmaid from growers who have not let their kept over stock go altogether. Good Liberty roses also add color to the assortment and meet with a fair demand. Asters are improving, some choice flowers being seen. There is room for improvement, however, in much of the stock. Gladioli are in full supply and the wonder is where they all go to. Some of the strains are very fine, $2 to $3 being the price. Hydrangea paniculata is now in the show windows and will last until the early fall openings.

CLUB MEETING.

The August meeting of the club was as full of life and vim as one might look for in January. It was convention night from start to finish and that august body of Daytonites will be considerably relieved to know that it was decided that next years' meeting is to be held in the city of brotherly love so they will be relieved of any anxiety on this important point. Robert Craig, the Demosthenes of the society, is to make the address and the gentlemen who hypnotized the delegates so successfully and took them to Omaha and later to Asheville will simply not be in it with the silver tongued quaker. Other cities have done well but Philadelphia will start the society into new life and an era of prosperity that will double its usefulness. All the members present were very enthusiastic over the prospect and will work to make it the best meeting ever held by the society.

NOTES

There are a number of changes in the personnel of the employes of the commission houses. Robt. H. Gloss, for some years past with the Leo Niessen Co., has joined the S. S. Pennock brigade. Clarence Watson and Ralph Shrigley, late of the S. S. Pennock staff, are now with the Leo Niessen Co., while John Wilson of the Niessen force is now back to his old love the retail business, and resumes his position at Habermehl's, Twenty-second and Diamond streets. In the light of these numerous changes, which must be more or less annoying to all parties concerned, we would suggest that the several houses in town get together and transact all the business as a corporation under one roof. They could divide the work into sections, each of the proprietors taking charge of one or more. Their new credit scheme would also work out fine, as there would then be only one ledger account for each customer. Dream, you say. No. "Hot weather." Well, maybe it is. Still the scheme is not without some points of merit.

Another commission house is to be opened at 1510 Sansom street. Alfred Campbell, now with Edward Reid, is the new man. He has a good location and being well versed in the business should do well. K.

Boston.

TRADE INACTIVE.

Trade of the past week has been the most inactive of the season, an occasional funeral order being the only thing to break the monotony. Asters are now a drug on the market. As for carnations I cannot say a great deal for the quality of the goods but the prices they are bringing are fine for this season of the year. There was a slight improvement in the quality of roses the last few days, Kaiserin, Carnot and Wellesley comprising the best grades. Liberty and American Beauty are still scarce, yet there is no great demand for them. The weather still remains changeable and has done considerable damage to gladioli and sweet peas, some of the growers not cutting any of the latter for 10 days. Lilium lancifolium, L. longiflorum and L. auratum are quite plentiful and sell at fair prices. Tuberoses are now making their appearance. Branching asters are coming to market in good quantities and are selling as a good substitute for carnations.

NOTES.

There was a meeting of the stockholders of the Boston Co-operative Flower Market for the purpose of revising some of their by-laws. They have now secured a 10-year lease of the first two floors of Music Hall building, the owners making considerable alterations on the second floor. This floor will make an ideal market and it is the intention of the growers to occupy same about October 1, instead of the lower floor where the stalls are now located.

Bernard A. McGinty, manager for N. F. McCarthy & Co., severed his connection with the above firm August 1, to accept a position as salesman for different growers in the Music Hall market.

Among those on vacations at the retail stores are: Otis Ruggles, of J. Newman & Son, T. E. Garrity and Wm. Kenney at T. F. Galvins' and Joe White, of W. E. Doyle's.

Edw. Bingham, of Dedham, is building a new greenhouse, 20 x 100 feet, which he will devote entirely to the growing of double violets this fall.

Herbert E. Tyler, of the Montrose Conservatories, severed his connection with that firm August 4, to accept a similar position in Canada.

We regret to announce the death of a young son of Pat Boyle, of Malden, which occurred August 1.

E. A. Stickel has accepted the position as salesman for the Montrose Conservatories.

The Willow Hill Conservatories are cutting some fine Mexican star flowers.

Visitors: William Dykes, representing Edw. Jansen, of New York; Henry Small, of J. H. Small & Sons, Washington, D. C., on his way to Maine where he is to visit some relatives. B.

Hartford, Conn.

Members of the New Haven County, New London County and Newport Horticultural Societies to the number of about 35 visited this city July 19 and were met at the railroad station by a special committee of the local horticultural society, of which John F. Huss was chairman. The visitors first visited Bushnell park and afterwards went to the Goodwin estate to see the work of Superintendent Huss. Elizabeth park was the next place visited, and a lunch was served by the Florists' Club. During the rest of the day other parks in the city were visited.

POINSETTIAS.

2½-inch pots.....$4.00 per 100
3-inch pots..... 6.00 per 100

JULIUS WOLFE, 1617 North 19th St., PHILADELPIA, PA.

We Are Headquarters for **PRINCESS VIOLET STOCK**

The **Princess of Wales** is still the leader of all single violets. There is no other variety on the market that can compare with it as a commercial violet, because it blooms from Sept. 15th to May 1st; every bloom is marketable. It has size, it has color, it has length of stem. It has fragrance. It sells when any other variety, single or double, cannot be given away. The people want it.

So great is my confidence in this violet that the following Autumn I will devote 80,000 feet of glass to the growing of this variety. I have about 200,000 nice young divisions now ready to ship at the following prices:

$2.00 per 100. $15.00 per 1000. 500 at 1000 rates. Lots of 5000 at $14.00 per 1000. Lots of 10,000 at $13.00 per 1000.

WILLIAM SIM, Largest Grower of Violets in America, **Cliftondale, Mass.**

ORDER YOUR VIOLET STOCK NOW.

FIELD-GROWN CARNATION PLANTS. All the standard varieties. List and prices on application.

ROSE PLANTS. 1000 Liberty, 3-inch pots ..... $50 00 per 100.
1000 Liberty, 2¼-inch pots..... 4.00 per 100.

THE LEO NIESSEN COMPANY, 1217 ARCH ST., PHILADELPHIA, PA.

Wire Designs. Owing to the call for special designs, we have established a wire works in charge of the most experienced design maker in this country. Get our price list. Our designs are the most substantial, better shaped and cheaper than any others.

PITTSBURG FLORISTS' EXCHANGE, Pittsburg, Pa.

VALLEY Special Prices Made on Yearly Contracts.

RIBBONS AND FLORISTS' SUPPLIES.

Samuel S. Pennock, THE WHOLESALE FLORIST, PHILADELPHIA.

ASPARAGUS PLUMOSUS NANUS.

Cut Strings, 50 cents each.

W. H. ELLIOTT, Brighton, Mass.

THE

J. M. McCullough's Sons Co.

Wholesale Commission Florists.

CONSIGNMENTS SOLICITED.

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES, SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

Please mention the American Florist when writing.

H. G. BERNING,

Wholesale Florist

1402 Pine St., ST. LOUIS, MO.

Please mention the American Florist when writing.

C. A. KUEHN,

Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

Please mention the American Florist when writing.

ROSES AND CARNATIONS

Pittsburg's Largest and Oldest Wholesalers.

PITTSBURG CUT FLOWER CO., Ltd.

504 Liberty Ave., PITTSBURG, PA.

Please mention the American Florist when writing.

Holton & Hunkel Co.

Wholesale Florists

Milwaukee, Wis.

Please mention the American Florist when writing.

Wholesale Flower Markets

PHILADELPHIA, Aug. 8.

Roses, Tea	3.00@ .400
" " extra	6 00@ 8.00
" Liberty	4.00@15.00
" Queen of Edgely, extra	16 00@25.00
" " " firsts	12 00@15 00
" Beauty, extra	16.00@25 00
" " firsts	12 00@15 00
Carnations	1.00@ 3.00
Lily of the valley	2 00@ 4.00
Asparagus, bunch	25 00@50.00
Smilax	20 00@25.00
Adiantum	.75@ 1 50
Cattleyas	.50@ .60
Gardenias	8 00@10.00
Sweet peas	.40@ .50
Auratum lilies	16 00
Gladiolus	3.00@ 5.00

BOSTON, Aug. 8

Roses, Beauty, best	12 00@25.00
" " medium	8.00@12.00
" " culls	1.00@ 4.00
" Bride, Bridesmaid	2.00@ 4.00
" Extra	6 00@ 8.00
" Liberty	6.00@25.00
Carnations	1 00@ 2.00
" Fancy	2.00@ 3.00
Lily of the valley	2.00@ 4.00
Smilax	8 00@12 00
Adiantum	.50@ 1 00
Asparagus	35 00@50 00
Sweet peas	.25@ .75
Pond lilies	2 00@ 4.00

BUFFALO, Aug. 8

Roses, Beauty	5 00@25.00
" Bride, Bridesmaid, Meteor	3.00@ 8.00
Carnations	.50@ 2.00
Lily of the valley	3.00@ 4.00
Asparagus, strings	40.00@50.00
Smilax	15.00
Adiantum	.75@ 1.50
Lilies	3 00@15.00
Peas	.15@ .25
Water lilies	3.00@ 5.00
Gladiolus	1.00@ 3 00
Asters	.30@ 2.00

THE ART OF Floral..... Arrangement.

The first special newspaper in the world for floral arrangement.

250 ILLUSTRATIONS ANNUALLY.

Specimen number free.
Subscription, $2.40 yearly.

BINDEKUNST-VERLAG,
J. Olbertz, ERFURT, GERMANY.

Please mention the American Florist when writing

NOW READY

To fill orders for **American Beauties, Lily of the Valley, Carnations** and all varieties of **Tea Roses** in lots of one hundred to one thousand at short notice Get our prices before ordering elsewhere.

WELCH BROTHERS,
15 Province St., BOSTON, MASS.

Please mention the American Florist when writing.

J. B. MURDOCH & CO.

WHOLESALE FLORISTS,

FLORISTS' SUPPLIES.

545 Liberty Ave., PITTSBURG, PA.

Please mention the American Florist when writing.

Field-grown Carnation Plants. GOOD CLEAN STOCK. WRITE FOR PRICES.

ABSOLUTELY THE BEST POSSIBLE SERVICE.

W. E. McKissick

WHOLESALE FLORIST.

Business Hours 7 a.m. to 6 p.m.

1221 Filbert Street, PHILADELPHIA, PA.

Please mention the American Florist when writing.

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

Nephrolepis Whitmani

2¼-inch, $25.00 100,

Boston Ferns 2¼-in. $3.00 per 100.

Henry H. Barrows & Sons, WHITMAN, MASS.

New York.

BUSINESS DULL.

The market is practically dormant. Arrivals are light and the demand considerably lighter. While cleaning up is possible, it entails sacrifices which even at this time of year are remarkable. August is never an active month, but so far the volume of business for the present month is below the average of the past three years. Roses are still poor in quality as far as the majority of shipments are concerned, and in special grades are not even numerous. Such little lots of the new crop as arrive sell well and quickly, but at prices very little, if any, above average quotations. White roses are rather scarce, and occasionally bring a trifle more money than pink roses. American Beauty is not over plentiful, and in special grades is short in supply, but prices continue in the same ratio as during the past three weeks. Carnations do not figure very extensively in arrivals, most of the growers having thrown out the old benchings. Such stock as is coming in is generally poor in quality and moves slowly. Asters are a little shorter in supply; but that is not saying much, as there are still more than the market can absorb. The steady rains of last week and the tropical sun of this week relieved the market somewhat by a temporary curtailment of the cut. Lilies are not over plentiful, and continue to bring good prices. Lilium auratum and L. rubrum are in fair supply and are taken freely for window display. Lily of the valley moves slowly, and the quality is not as good as it has been. Gladioli are arriving in larger quantities and clean out at some price or other. While America and one or two other superior sorts bring top prices, there are many fine varieties closed out with lower grades. Cut hydrangea, Rudbeckia Golden Glow and tamarix are outside offerings, which seem to move fairly well. Dahlias, in the coarser varieties, are offered everywhere, but do not sell well, and many have to be thrown out. Tuberoses are arriving but do not attract much attention in the midst of the other offerings. Cattleyas are plentiful, and prices are perhaps a little better than for some weeks. Sweet peas are practically out of the market. Smilax and asparagus move rather slowly but the stock coming in is not hard to clean up.

NOTES.

John Weir, of J. Weir's Sons, Brooklyn, was gathering all the available supplies of ivy leaves in the market one day last week. He filled an order for a 10-foot cross made entirely of ivy leaves.

A. Moltz and Phil. F. Kessler have doubled the area of their quarters in the Coogan building and now have a store commensurate with the possibilities of their rapidly growing business.

Miss Chapman, bookkeeper for A. J. Langjahr, and Miss Anna Levitt, bookkeeper for Joseph S. Fenrich, are enjoying well earned vacations.

H. G. Kretschmar, of West Nyack, N. Y., is putting up a new greenhouse 42 x 200 feet. The Lord & Burnham Co. has the contract.

Alex. J. Guttman is receiving daily some very fine Killarney and Chatenay roses of the new crop from his Summit, N. J., greenhouses.

Some large shipments of the new Gladiolus America are coming in this week from J. Lewis Childs, of Floral Park.

Fred Lord, of the Lord & Burnham Co., will have charge of the company's exhibit at the Dayton convention.

J. K. Allen is leaving this week for a Sussex county resort for a two weeks' vacation with his family.

B. S. Slinn, Jr., is now carrying on the business of Slinn & Thompson on his own account.

Utica, N. Y.

BUSINESS DULL.

The scarcity of business brings to us the fact that summer is with us, but on the whole we cannot complain because trade has held out unusually late this season. Carnations are gone or are so small as to make them useless, but we are receiving fine shipments of roses, asters, sweet peas, gladioli and pond lilies.

NOTES.

Theo. Schesh, of Ilion, had a narrow escape from becoming blind while spending his vacation at the seashore. Mr. Schesh had trouble with his eyes, so came direct to Utica to consult a specialist, who performed an operation at once, and informed Mr. Schesh that he would have become totally blind before 12 hours had passed. Saturday he was discharged from the hospital with better sight than he has enjoyed for years.

Frank Baker reports an extra fine summer trade at his greenhouses. The men are kept busy potting ferns, of which Mr. Baker grows almost a half a million. Mr. Baker is growing his carnation plants in the house this year and they appear to be a perfect success.

Geo. Benedict, of Yorkville, is cutting some fine summer roses, noticeable among which is his Kaiserin. Mr. Benedict has added three new houses to his mammoth plant this year, in which he will grow roses.

J. C. Spencer returned last Sunday from an enjoyable outing at Otter lake. John Beck and wife were at the same resort. BUD.

Secaucus, N. J.

The Secaucus Exotic Nursery has just completed and filled a new house with crotons, dracænas and Boston ferns. One house of Scottii ferns looks very promising. The freshly imported phœnix and kentias of this firm are sturdy looking plants. The members of the concern are alert and up-to-date. Emil Savoy, who only recently settled down here and who was formerly with R. Dreyer, of Woodside, N. Y.; Robt. Craig, of Philadelphia, and J. C. Vaughan, of Chicago, has his head full of plans for future alterations and extensions.

Komitsch & Yunge, with their 50,000 square feet of glass, are making a specialty of sweet peas and chrysanthemums. Several houses are filled with Adiantum Croweana and Asparagus plumosus. The pride of their place is one house filled with Cattleya Trianæi. It contains 75 cases of last year's importation. It has been quite a strain on them to wait 18 months for that house to bring in something, but they cannot help smiling now at the outlook.

Carillo & Baldwin, the latest addition to the list of local growers, will soon have their houses filled with the various cattleyas. Quite a few C. Trianæi blooms have already been cut.

A. Schurmann and Herman Mende are both busy filling their houses with chrysanthemums.

Orange, N. J.

The monthly meeting and floral display of the New Jersey Floricultural Society was held August 3. A paper was read by Arthur W. Bodwell on "The Cultivation of the Orchid as Viewed by a Private Gardener." It was well illustrated by contributions from Lager & Hurrell, Joseph A. Manda and the neighboring orchid collections of Wm. Barr and Henry Graves. Mr. Bodwell is gardener for Wm. Barr and formerly of Pitcher & Manda and Chas. Pratt. The reading of the paper was followed by a lively discussion in which many took part. Robt. Berry, M. Mackorie, and A. F. Caparn were judges for the evening. It was decided by the society to hold a special fall flower show. J. B. D.

Baltimore.

John M. Rider, the carnation grower of Brooklyn, Md., lost by fire a few nights ago his barn and the entire crop of hay which it contained; loss partially covered by insurance.

NEW BRITAIN, CONN.—Arthur Volz has taken out an application to build a flower store, 12 x 24 feet, on Edson street.

SEA CLIFF, N. Y.—The will of Ferdinand D. Boulon has been admitted to probate. It disposes of an estate valued at $90,000.

CANANDAIGUA, N. Y.—A floral parade of automobiles was one of the features of a convention of firemen that met here August 1.

ELMIRA, N. Y.—Ralph Van Duzen, shipping clerk of the United States Cut Flower Co., narrowly escaped drowning, with Miss Elsie Pierce of Binghamton, when their canoe capsized July 29.

MADISON, N. J.—The prize list has been issued for the eleventh annual show of the Morris County Gardeners' and Florists' Society, to be held at the Assembly rooms, November 1-2. Cash prizes are offered to the amount of $450.

NEW YORK.—The board of trustees of the Bellevue and Allied Hospitals will receive until August 15 at 3 o'clock p. m., sealed bids or estimates for all labor and materials required for the excavation, sodding, seeding, concrete, plumbing, iron, and other work in the layout of the grounds, etc., at the New Harlem hospital. For full particulars address John W. Brannam, president of the board of trustees.

LONG BRANCH, N. J.—The Elberon Horticultural Society will give an exhibition in either July or August. All the prominent cottagers who have gardens—and a great majority of them have—are interested, and weekly exhibitions and prize awards are now made at the meetings. The society has been growing in membership and influence. The coming flower show is already being talked about, and handsome prizes will be awarded.

HORACE E. FROMENT, Wholesale, Commission,
Successor to William Chormley.
Orchids, Roses, Carnations, Valley, Lilies, Etc.
57 West 28th Street, NEW YORK CITY.
Telephones 2200 and 2201 Madison Square.

The Reliable Commission House.
JOS. S. FENRICH
110 W. 28th St., NEW YORK.
Open daily at 6 a. m.
Bell Telephone,
324-325 Madison Square.
RICHMOND ROSES RECEIVED DAILY.

Choice Carnations. Selected Roses.
Traendly & Schenck
NEW YORK CITY,
44 W. 28th Street, Cut Flower Exchange.
New Telephone No. 798 & 799 Madison Sq.
Please mention the American Florist when writing

CARNATIONS
MY SPECIALTY
Consignments Solicited. Prompt Payments
Established 1891.
Alfred H. Langjahr, 55 W. 28th St., NEW YORK.
Telephone 3924 Madison Square.
Please mention the American Florist when writing

Original Pioneer House—Established 1871.
JAMES HART
103 W. 28th St., NEW YORK.
Wholesale and Commission
Consignments solicited. Shipping orders promptly attended to. 'Phone 626 Madison.
Please mention the American Florist when writing.

FORD BROS.
Receivers and Shippers of
Fresh Flowers
48 West 28th St. NEW YORK.
Telephone 3870-3871 Madison Sq.
Please mention the American Florist when writing.

ROSES.
1000 Richmond, 3-in., $8.00 per 100: $70.00 per 1000
1000 Maids, 4-in..... 5.00 per 100: 45.00 per 1000
400 Killarney, 3-in.....$8 00 per 100
300 Perles, 3-in..... 4,00 per 100
CHARLES H. TOTTY, Madison, N. J.
Please mention the American Florist when writing.

N. Y. Cut Flower Exchange
Coogan Bldg., 6th Ave. & W. 26th St., New York.
Open for Cut Flower Sales at 6 o'clock Every Morning.
Desirable Wall Space to Rent for Advertising.
V. S. DORVAL, JR., Secretary.

The Best Way to Collect an Account
is to place it with the
NATIONAL FLORISTS' BOARD OF TRADE,
56 Pine St., New York.
Why? Because many debtors will pay the Board, fearing otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.

The American Florist Company's
DIRECTORY
Contains the names and addresses of all the Florists, Seedsmen and Nurserymen in the United States and Canada. Price $2.00.
AMERICAN FLORIST CO.,
324 Dearborn Street, Chicago, U. S. A.

Wholesale Flower Markets

NEW YORK, Aug. 8.

Roses, Beauty best	10 00@25.00
" " medium	6.00@10.00
" " culls	1.00@ 4.00
" Liberty, best	4.00@10 00
" " culls	1 00@ 4.00
" Bride, Bridesmaid, G. Gate	.50@ 4.00
" Kaiserin, Carnot	1.00@ 6.00
Carnations	.50@ 1.00
" fancy and novelties	1 50@ 2.00
Lily of the valley	.50@ 3.00
Lilies	6 00@ 8.00
Smilax	6.00@ 8.00
Adiantum	.50@ .75
Asparagus	20 00@50.00
Sweet peas....per doz. bu.	.12@ .25

Thomas Young
WHOLESALE FLORIST.
43 West 28th St., NEW YORK.

Alex. J. Guttman
The Wholesale Florist of
NEW YORK.
Phone 1664-1665 Mad. Sq. 43 W. 28th Street.

Moore, Hentz & Nash,
Wholesale Commission Florists,
55 and 57 West 26th Street,
Telephone No. 756 Madison Square. New York.

N. Lecakes & Co.
53 W. 28th St., NEW YORK.
Tel. No. 1214 Madison Square
Stands at Cut Flower Exchange, Coogan Bldg., W. 26th Street & 34th Street Cut Flower Market. SPECIALTIES: Galax Leaves, Ferns and Leucothoe Sprays, Holly, Princess Pine and all kinds of Evergreens.
Green and Bronze Galax Leaves, $1.00 per 1000.

A. J. FELLOURIS,
J. J. Fellouris, Manager.
Wholesale and Retail Dealer in all kines of
EVERGREENS,
Fancy and Dagger Ferns, Bronze and Green Galax.
Telephone, 2675 Madison Square.
52 West 28th Street, NEW YORK.

George Cotsonas & Co.
Wholesale and Retail Dealers in all kinds of
Evergreens.
Fancy and Dagger Ferns, Bronze and Green Galax.
Phone 1203 Mad. Sq.
Main Store, 50 W. 28th St., NEW YORK.

—FLOWERS SHIPPED BY—
JOHN I. RAYNOR
Are the best product of the best growers for the New York Market.
Adiantum Croweanum sold here exclusively.
49 W. 28th St., NEW YORK.
Tel. 1998 Madison Square.
Please mention the American Florist when writing.

Walter F. Sheridan,
WHOLESALE FLORIST,
Telephone 902 Madison Square.
39 West 28th St., NEW YORK.
Please mention the American Florist when writing.

J. Seligman. Joseph J. Levy
John Seligman & Co.
WHOLESALE FLORISTS
56 West 26th Street, NEW YORK.
OPPOSITE N. Y. CUT FLOWER CO.
Everything in Cut Flowers. Consignments from growers solicited. Prompt returns. Best prices. Satisfaction guaranteed. Tel. 4878 Madison.
Please mention the American Florist when writing.

PHIL. F. KESSLER
Wholesale Commission Florist
Telephones { 2921 / 5243 } Madison Square.
55 WEST 26th STREET,
Consignments solicited. Prompt payments. New York.

A. M. HENSHAW
Wholesale Commission Florist,
Consignments of first-class stock solicited. Out of town orders carefully and promptly filled.
Telephone 5583 Madison.
52 W. 28th St., NEW YORK
Please mention the American Florist when writing.

Receivers and Shippers of Cut Flowers, Consignments Solicited.
A. L. YOUNG & CO. Wholesale Florists . .
54 West 28th Street.
Telephone 3559 Madison Sq. NEW YORK.

THE KERVAN COMPANY,
20 West 27th St., NEW YORK.
Wholesale dealers in fresh cut Palmetto and Cycas Palm leaves, Galax, Leucothoe Ferns, Mosses and all Decorating Evergreens.

J. K. ALLEN.
Wholesale Commission Florist.
106 West 28th St., NEW YORK CITY.
Open every day at 6:00 A.M. Tel. 167 Madison Sq.

IT IS NOT...
what you pay for the advertisement but what the advertisement pays you. It pays to advertise in the **American Florist.**

CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

DETROIT.

JOHN BREITMEYER'S SONS

Cor. MIAMI and GRATIOT AVES.

DETROIT, MICH.

...Artistic Designs...

High Grade Cut Blooms.

Wa cover all Michigan points and good sections of Ohio, Indiana and Canada.

Please mention the American Florist when writing.

MILWAUKEE.

C. C. Pollworth Co.

MILWAUKEE, WIS.

Will take proper care of your orders in **WISCONSIN.**

INDIANAPOLIS.

Bertermann Bros. Co.

FLORISTS

241 Massachusetts Ave., INDIANAPOLIS, IND.

Please mention the American Florist when writing

ST. LOUIS.

Fred. C. Weber,

FLORIST,

4320-4328 Olive St., ST. LOUIS, MO.

Established 1873. Bell, Lindell 676.

Please mention the American Florist when writing

DENVER.

The Park ...Floral Co.

J. A. VALENTINE, President. DENVER, COLO.

Please mention the American Florist when writing.

OMAHA.

HESS & SWOBODA,

Florists,

1415 Farnam Street, Phone 1501 and L. 1582. OMAHA, NEB

Please mention the American Florist when writing

DENVER.

FLORAL DESIGNS AND FLOWERS.

Best Quality on Shortest Notice.

DANIELS & FISHER, DENVER, COLO.

Order by mail, telephone, telegraph or cable.

Cable address: "Daniels Denver."

Convention Number,

AUGUST 18.

SEND ADV. NOW.

LONDON PARIS BERLIN

A. Lange

Prompt Attention to STEAMSHIP ORDERS.

Main Address 40 East Madison Street, Heyworth Bldg. ... CHICAGO.

Agents in all Leading European Cities.

WASHINGTON, D. C.

Gude's.

CHICAGO.

P. J. HAUSWIRTH

Auditorium Annex,

CHICAGO.

Mail, telegraph or telephone orders filled promptly in best style.

Please mention the American Florist when writing

BUFFALO.

Palmer's

Buffalo, N. Y.

W. J. Palmer & Son, 304 Main St.

WASHINGTON.

GEO. H. COOKE,

FLORIST

Connecticut Avenue and L Street

WASHINGTON, D. C.

Please mention the American Florist when writing

KANSAS CITY.

Samuel Murray

...FLORIST...

Coates House Conservatory

1017 Broadway, KANSAS CITY, MO.

Both 'Phones 2670 Main.

Write, Telephone or Telegraph. All orders given prompt attention.

KANSAS CITY.

GEO. M. KELLOGG,

906 Grand Avenue,

KANSAS CITY and PLEASANT HILL, MO.

Will fill all orders for **Cut Flowers, Funeral Designs, Wedding** and **Birthday Gifts** that may be entrusted to them.

ATLANTA.

ATLANTA FLORAL CO.

41 Peachtree Street, ATLANTA, GEORGIA.

NEW YORK.

W. H. Donohoe,

2 WEST 29th STREET,

Formerly of Young's. NEW YORK.

Tel. 3034 Madison Sq.

Orders from the trade, for theatre, steamship or otherwise, filled in first-class style, at wholesale prices. TRY ME.

BROOKLYN, N. Y. NEW YORK.

Robert G. Wilson,

BROOKLYN, N. Y., Fulton St. and Greene Ave. NEW YORK, 48 W. 30th St.

Trade orders from all parts of the country filled for delivery at residence, steamer, hotel or theatre, on wholesale basis. Satisfaction guaranteed. Wire or telephone.

ALBANY, N. Y.

EYRES

Flowers or Design Work.

DELIVERED IN ALBANY AND VICINITY ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

ST. PAUL.

HOLM & OLSON,

ST. PAUL.

THE LEADING FLORISTS OF THE NORTHWEST

Orders will be well cared for anywhere in Minnesota and the Dakotas.

GALVESTON.

Mrs. M. A. Hansen,

—FLORIST—

Galveston, Texas.

Special attention given to Telegraph or Telephone Orders. 'Phone 1912.

JACKSONVILLE.

MILLS THE FLORIST,

36 W. Forsyth Street,

JACKSONVILLE, FLA.

WASHINGTON.

Mayberry & Hoover

Florists and Decorators

1339 Fourteenth St., Northwest

Telephone North 508. WASHINGTON, D. C.

New Orleans

CUT FLOWERS

For Tourists and General Trade.

Wire or mail. Highest Grade Stock Only.

URIAH J. **VIRGIN,** —838— CANAL ST.

COLUMBUS.

The Livingston Seed Co.

FLORISTS

Cover All Ohio Points. 114 North High St.

ROSES and CARNATIONS.

We are Headquarters for Roses, Carnations, Beauties and Valley. Write for special quotations.

A. L. RANDALL CO., 19-21 Randolph St., **CHICAGO.**

The Cleveland Cut Flower Company,

WHOLESALE CUT FLOWERS, FLORISTS' SUPPLIES, WIRE DESIGNS.

215 Huron Road, CLEVELAND, OHIO.

Cut Flowers or Designs

Will be delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

NEW YORK.

Alexander McConnell

IN NEW QUARTERS.

571 Fifth Avenue, Windsor Arcade, NEW YORK CITY

TELEGRAPH orders forwarded to any part of the United States, Canada and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive our prompt attention.

Telephone Calls: 340 and 341 38th Street.
Cable Address: ALEXCONNELL.
WESTERN UNION CODE.

DULUTH.

ORDERS FOR DULUTH

AND VICINITY
will be carefully looked after by

W. W. SEEKINS

109 W. Superior St., DULUTH, MINN.

LOUISVILLE.

JACOB SCHULZ, 644 Fourth Ave., LOUISVILLE, KY.
Cut Flowers of BEST QUALITY in season delivered promptly to any address.
Write, Telegraph or Telephone.
Cumberland and Home Phones 223 and 984.

Steamship Sailings.

WEEK ENDING AUGUST 18.

Aug. 14, Caronia, New York-Liverpool.
Aug. 14, Carmania, Liverpool-New York.
Aug. 14, Grosser Kurfuerst, N.Y.-Brem.
Aug. 15, Merion, Liverpool-Philadelphia.
Aug. 15, Oceanic, New York-Liverpool.
Aug. 15, Baltic, Liverpool-New York.
Aug. 15, Lake Manitoba, Liverpool-Mon.
Aug. 15, New Amsterdam, N.Y.-Rot'd'm.
Aug. 16, Victorian, Montreal-Liverpool.
Aug. 16, La Bretagne, New York-Havre.
Aug. 16, Canada, Liverpool-Montreal.
Aug. 16, Hellig Olav, N. Y.-Copenhagen.
Aug. 16, K. Aug. Victoria, N.Y.-Hamb'g.
Aug. 16, Amerika, Hamburg-New York.
Aug. 16, Princess Irene, Genoa-New Y.
Aug. 16, Sofia, New York-Trieste.
Aug. 17, Virginian, Liverpool-Montreal.
Aug. 17, Laurentian, Boston-Glasgow.
Aug. 18, Furnessia, New York-Glasgow.
Aug. 18, Astoria, Glasgow-New York.
Aug. 18, St. Paul, New York-South'p'n.
Aug. 18, St. Louis, Southampton-N. Y.
Aug. 18, Friesland, Philadelphia-Liver'l.
Aug. 18, Campania, New York-Liverp'l.
Aug. 18, Lucania, Liverpool-New York.
Aug. 18, La Savoie, Havre-New York.
Aug. 18, Dominion, Montreal-Liverpool.
Aug. 18, Lake Erie, Montreal-Liverpool.
Aug. 18, Bulgaria, New York-Hamburg.
Aug. 18, Germania, New York-Naples.
Aug. 18, Potsdam, Rotterdam-New York.
Aug. 18, Neckar, Bremen-New York.
Aug. 18, Kroonland, New York-Antw'p.
Aug. 18, Finland, Antwerp-New York.

GRAFTED ROSES.

Extra Fine Plants, Free from Mildew.

KILLARNEY, 3½-in. pots..... .....$18.00 per 100
LIBERTY, KAISERIN, MAIDS, WOOTTON, 3½-in. pots, 15.00 per 100

OWN ROOT ROSES.

RICHMOND, PERLES, 3-in. pots.. .....$8.00 per 100
BRIDES, MAIDS, GOLDEN GATES, KAISERIN, LIBERTY, WOOTTON, 3-in. pots.... ..... 6.00 per 100

SMILAX, Very fine, 2½-in. pots, $1.50 per 100.

J. L. DILLON, Bloomsburg, Pa.

70,000 Carnations,

Bushy, low-topped plants, grown on high ground, perfectly clean and healthy.

Lawson, Enchantress, largest size...per 100, $6 00 | Lawson, good, bushy plants.....per 100, $5.00
Boston Market, Norway, Hill, Lord..per 100, 5 00 | Gov. Wolcott, Estelle.....per 100, 6.00
Thousand rates, $45.00 and $55.00.

ROSES. CLEARANCE PRICES. ROSES.

Strong, clean, 3-inch stock. Don't miss this. It means money for you. Bride, Maid, Meteor, Richmond, Chatenay, $3.00 per 100. Bride, Maid, Richmond, 2½-in., $2.00 per 100.

SMILAX, extra large, 3-in., twice cut back, $4.00 per 100. 2½-in., $2.50. Early strings from this stock.

W. H. GULLETT & SONS, Lincoln, Ill.

SPECIAL CLEARING SALE

Of strictly first-class stock only

GERANIUMS Short and strong plants from 2½-inch pots $1.50 per 100; $14.00 per 1000. Varieties: Beaute Poitevine, Mrs. E. G. Hill, S. A. Nutt, Mme. Buchner (white).

SMILAX Fine young plants from 2-inch pots, ready to plant, $1.00 per 100; $9.00 per 1000.

ASPARAGUS PLUMOSUS NANUS, from 2¼-inch pots, $2.00 per 100. Cash.

The W. T. BUCKLEY COMPANY, Springfield, Ill.

SPECIALTIES.

ROSES from 3-inch pots. **CHRYSANTHEMUMS.**
CARNATIONS, for fall delivery. **SMILAX. VIOLETS**
IN BEST VARIETIES.
Prices low. Send for list.

WOOD BROTHERS, Fishkill, N. Y.

It is good business policy to mention The.... AMERICAN FLORIST When you write to an advertiser

CARNATIONS.

20,000 surplus, field-grown, fine, healthy. These were mostly planted out of 2½-in. pots, on a hillside in clay soil. After shaking soil from roots, we pack in moss for shipment.

	100	1000		100	1000
Enchantress	$6 50	$60.00	B. Market	$4.50	$40.00
Bountiful	7.00		Q. Louise	4 00	35.00
Lawson	5.00	45.00	Norway	4.00	30.00

ASPARAGUS.

Heavy, 2½-inch, plants, ready for a shift.
Plumosus nanus.....$3 50 per 100; $30.00 per 1000
Sprengeri, extra fine.. 3.00 per 100; 25.00 per 1000
California Violets, 3½-in. pots.....$4.00 per 100
Christmas Peppers, 3½-in. pots..... 4.00 per 100

J. W. DUNFORD, CLAYTON, MO,

Please mention the American Florist when writing.

Queen Beatrice Rose.

Four to one shot. Four times as many flowers as Maid.

F. H. KRAMER, 918 F St., WASHINGTON, D. C.
Please mention the American Florist when writing

The Seed Trade.

American Seed Trade Association.
H. W. Wood, Richmond, Va., Pres.; C. S. Burge, Toledo, O., First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas. Twenty-fifth annual convention at New York, 1907

VISITED NEW YORK: Maurice Fuld, now manager for W. W. Rawson & Co., Boston, Mass.

LEONARD H. VAUGHAN, of Vaughan's Seed Store, Chicago, left August 7 on a northern Wisconsin fishing trip.

THE Pulverized Manure Co. is a new corporation for handling dried and sacked manures at the Union Stockyards, Chicago.

IMMORTELLES are arriving in New York, evidently of old crop. Buyers will do well to keep this in mind. They are not so good.

ONE Chicago grower harvested 700 bushels of onion sets per acre and grew 1500 bushels from 300 pounds of seed. The pulling of the set crop is about finished.

THE bodies of Joseph C. Anthony and wife, son and daughter-in-law of Henry C. Anthony, the well-known seed grower, who were drowned July 22, were found August 4, floating in the Newport bay. The funeral took place August 7.

VISITED CHICAGO: Wm. Park, of Peter Henderson & Co., New York, who has been making a tour of the seed-growing districts; Chas. Johnson, Marietta, Pa.; G. Foucher, representing Denaiffe & Son, Carignan, France; A. L. Burri, representing the Chesmore-Eastlake Co., St. Joseph, Mo.; Max Wilhelmy, Lawrence, Kans.

C. C. MORSE & Co., San Francisco, Cal., write as follows concerning seed crops July 24: "On the whole the crop is an average one with the exception of onion. We expect, however, to fill our contracts practically in full, but will have little or no surplus. Radish, lettuce, carrot and parsnip are unusually good. We are now busily engaged in cleaning and shipping our spinach crop and are well into sweet pea and lettuce harvest.

Boston.

The first shipment of French bulbs including Paper White narcissus, Lilium candidum and White Roman hyacinths are now on the water and are expected to arrive in town about August 15.

The Scotch picnic held at Caledonian grove August 4 found about all the employes of the different seed houses enjoying themselves to the best advantage.

R. & J. Farquhar Co. had an exhibition of prize dahlias in their store the past week which attracted widespread attention.

Mr. Davey, of R. & J. Farquhar & Co., and wife are sojourning for two weeks at Spencer, Mass.

John Guerineau, of Schlegel & Fottler Co., is spending his vacation up in the White mountains.

Wm. Clark, salesman for Joseph Breck & Sons, is spending his vacation in New York. B.

5,400 ACRES OF GARDEN SEEDS IN CULTIVATION.

Braslan Seed Growers Co.

WHOLESALE SEED GROWERS.

SAN JOSE, CALIFORNIA.

Seed Crops in Morocco.

Consul Hoffman Philip, of Tangier, reports that the general outlook for the various seed crops in Morocco for the coming season is excellent, and that the rainfall has been abundant in all districts. He says:

In respect to the probable yields of canary, coriander, and fenugreek seeds, inquiries incline me to believe that they will be considerable and equal to the demand of average years. The drought of last season will to a certain extent preclude this year's yield from being exceptionally large, owing to the resulting poverty among the agriculturists and the special attention devoted to crops of cereals, etc. There has also been considerable damage by locusts to the crops in the extreme southerly districts. However, I see no reason to suppose that this year's seed crop will not be a liberal one, and I should advise the particular attention of our business houses to Morocco as an exceptionally good source of supply in this direction and one capable of great development.

Farmers and Seedsmen Lose.

Providence, R. I., August 4.—Crop reports received from all over this state and from districts in southern Massachusetts which supply this city with market garden products indicate that the farmers have suffered severe losses by reason of the prolonged storm. The hay crop is lost, tons having been allowed to stand in the hope that good haying weather would come, until the grass has gone by and it will not pay to harvest it. Potato vines are smelling badly, which indicates that the tubers are rotting. Beans are black-spotted. Tomato vines have run to wood, the blossoms having failed to set, and that crop is a failure. Oats that were cut have rotted and sprouted on the ground before the harvesting could be completed. Melons of all kinds have gone to the bad. In fact, everything above ground with the exception of beets has grown soft and will not pay to work for the market.

Seedsmen report that farmers who were expecting to make profits on their crops and then pay bills for fertilizers and tools, as well as seeds, have not been able to make any payments, and it does not look as though they would be able to do so this fall. In addition to losses on seeds and fertilizers, the farmers are out for wages of their hands.—Boston Herald.

Schedule for Cantaloupe Seed Selection.

Extract from Bulletin 104, of the Agricultural Experiment Station of the Colorado Agricultural College.

While the cantaloupe field is growing, select and mark any individual plants that show exceptional merit along the lines of prolific yield, early maturity or resistant power. That such variation frequently occurs is plainly shown by the field observations of the past three years; many plants were observed which produced only three or four cantaloupes during the entire season, while in one instance, sixteen large cantaloupes were produced from one plant, which would be a very large yield for three or four ordinary plants. The variation in maturing was revealed in the comparative test of the five strains of seed before mentioned. Ten days elapsed between the first ripe melon on one strain, and the first of another, although the rows were given uniform conditions.

The variation in resistant power has already been indicated.

One very important feature of the work of seed selection is the marking of individual plants which show desirable qualities. The seed should be saved separately, labeled and grown by itself, thus fixing in the strain these desirable traits.

In the past the seed saving has been too much from a general selection of the melons without regard to the merits of the vines from which they grew; and also a common error has been in giving too much attention to the external points of the melon without considering its internal qualities.

When the marked hills reach maturity the vines which reveal the most uniform sized cantaloupes of ideal form and netting should be taken as the basis for selection. That the size as well as other qualities is effected by seed selection is brought out in a letter of J. P. Pollock, in which he states that he "reduced the size down until they averaged well to crate."

There are many conditions which may affect size and to some extent each grower should study his soil from the standpoint of the melons which it produces, and govern his selection accordingly.

The netting of a cantaloupe has long been considered an attractive fancy feature and without question it is the essence of its appearance on the market, and experience reveals that it has a value in protecting the keeping qualities of the melons on long shipments.

The words "Rocky Ford" scratched on the surface of a green melon appeared in the netting at maturity, thus showing that the netting of a cantaloupe is merely a tracery of callous formed by the natural cracking of the surface of the melon.

By observation and tests it is shown that a close netted melon does not lose weight by evaporation as rapidly as one less covered with netting, thus its keeping and shipping qualities are largely determined by the amount of netting on its surface.

The tendency of the stripes is to widen under careless selection, and in view of the superior keeping qualities of the "solid net," the old ideal is giving way to a type represented in the illustration, which is a result of a cross of the Pollock strain and the "Blinn" strain. The form is more nearly perfect to fit the standard crates than the round type characterizing the Pollock strain, and its internal qualities are in keeping with the external appearance.

The eating qualities of a cantaloupe are the ultimate test of its perfection. A cantaloupe produced from a strong, healthy vine and yet not having a sweet, spicy flavor, should never be saved for seed.

A PERFECT POLLOCK CANTALOUPE.
Selected for resistant tendency—a cantoloupe with a money basis.

The small cavity, solidly filled with seed, a thick flesh with smooth, firm texture, are obvious points in the value of a marketable cantaloupe. These with many minor points should be zealously guarded by the careful seed selector.

There is no absolute, fixed relation existing between the points of the above schedule. Thus, the selection of melons for resistant power only, will not insure netting or other qualities. On the other hand, an ideally perfect melon, if unable to resist rust, would be a failure; but careful attention to all these details in due proportion, will result in a melon like that shown in the accompanying illustration—a cantaloupe having a "money basis."

P-rolific yielding,
E-arly maturing,
R-esisting tendency,
F-orm, size and netting—ideal,
E-picurean qualities, sweet and spicy,
C-avity small, well filled,
T-exture smooth and firm.

European Seed Crops.

IN QUEDLINBURG GERMANY

The spring was accompanied by unfavorable, cold and wet weather, which rendered the planting of most of the root and bulb crops, as carrots, chicories, beets, turnips, swedes, mangels, winter radishes, onions, etc., and the early sowings of lettuces, spinach, spring and summer radishes, onion, leek, and the various open-ground sown annual flower seeds very difficult and later than usual. The first part of May, when most of the annual and perennial flowers raised under glass are planted out in the open ground, was unusually dry and windy, and caused many blanks in the plantations, and made the starting of the young plants very difficult. The planting during the latter part of that month was very difficult and in many instances could not be done in the usual proper way owing to the continued heavy rains that made the soil muddy and unfit to work on for days. The weather during the whole of June, alternative rain and sunshine, was favorable to the growing seed crops, and brought them a good deal forward, though they are at present about a week or two behind the usual time.

Harvested crops.—Corn salad, good; turnips and forget-me-not (Myosotis alpestris varieties), middling and pretty good.

Present state of growing crops.—Vegetable seeds.—Beans, dwarf or kidney and runner, partly good, partly middling, and the delicate varieties below middling. Beets, carrots, cress, chervil, chicory, leek, lettuces, onions, parsley, parsnips and radishes good. Peas, round-seeded varieties, good; wrinkled marrow varieties, middling. Cabbage, white, red and savoy, Kohlrabi and spinach, middling and pretty good. Cucumber, ridge varieties, these have seriously suffered from the unfavorable weather and they stand rather thin.

Farm seeds.—Mangels, sugar beets and swedes, partly good and partly middling.

Flower seeds.—Open-ground cultures.—Pansies, although they look very well, the yield of the crop appears to turn out below middling owing to frequent, heavy rains that caused part of the flowers to pass away without setting seed. Stocks, wallflowers, asters, larkspurs, balsams, carnations, mignonette, nasturtiums, sweet peas, snapdragon, scabious, Canterbury bells, sweet william, sweet sultan, Chinese pink (Dianthus Chinensis and varieties), lobelias, lupins, helichrysum, marigold, petunias, polyanthus, violets, zinnias and the miscellaneous flowers are partly good and partly middling while hollyhocks and Drummondi phlox stand rather thin.

Principal pot-grown flower seeds.—Stocks, annual, autumn and winter, double wallflowers, large-flowered petunias, begonias, calceolarias, cinerarias, cyclamen, gloxinias, Primula Chinensis and obconica, pelargoniums, etc., are partly good and partly middling.

On the whole, the present state of the growing seed crops may be considered as satisfactory.

IN ESSEX, ENGLAND

At one time the outlook for the present season's crops was very unsatisfactory owing to the cold spring, but during the first few weeks they have improved greatly. With a few exceptions there is promise of a fair average harvest.

Peas.—Early varieties, medium; second early, promise well; late varieties have blight which came over district; beginning of July, some varieties will be short, and as stock seed of some of the choice sorts was scarce last year and small acreage planted, prices will rule high for pease of Gladstone type.

Broad beans.—Not so large an acreage nor looking so well as last year.

Scarlet runners.—These are grown very extensively in Essex and are now in full bloom looking well; the showers have been very beneficial in helping to set the bloom.

Beet.—Small acreage, crop improved past three weeks.

Broccoli, brussels sprouts, cabbages, savoys.—Very small acreage owing to dry summer of 1905, unable to put any plants out till September, when very small proportion run to seed; crop will be very light.

Carrot and parsnip.—Looking fair.

Radishes.—The cold spring kept these back, but have now got together and looking fair.

Turnip and swede.—Very small acreage planted and what there is very light crop, large acreage had to be ploughed up early in spring, prices will be high.

Mangel is extensively grown in Essex, land being specially adapted; acreage not so large as last year; the plants for some time looked very bad but past three weeks improved very much, medium crop.

FLOWER SEEDS

Nasturtiums.—These are extensively grown in this district one firm turning over about 500 bushels yearly; at present they are looking well, the light leaf varieties promise good average crop, but it depends on weather we have for gathering, they have all to be picked up from the ground by women; dark leaf varieties such as Empress of India, etc., fair.

Sweet peas.—These are doing well this year, July not being so hot as past three years, they have remained on growth longer, promises of a good crop. Candytuft poppy, godetias, larkspur, and other annuals looking well.—Horticultural Trade Journal.

Reliable Mushroom Spawn

Originators and Growers of Superior Strains of Pure Culture Mushroom Spawn.
For particulars, free booklet, etc., address
E. L. HESS, 604 LaSalle Ave., CHICAGO,
SPECIAL AGENT
for Pure Culture Spawn Co., of Pacific Mo.

PACIFIC SEED GROWERS' CO.
411-415 SANSOME STREET
SAN FRANCISCO, CAL.
Specialties:
Onion, Carrot, Lettuce, Sweet Peas

Stokes Standard Seeds.
Are Money Makers.
Stokes Seed Store.
219 Market Street, .·. PHILADELPHIA.
SEND FOR CATALOGUE.

ROSES ROSES ROSES

We have the following in 2½ and 3-inch rose pots: American Beauties, Richmond, Brides, Maids, Meteor, Ivory, Golden Gate, Perle des Jardins, Chatenay, Souv. de Wootton, Aug. Vic. Kaiserin. Write for prices.

FERNS.

Boston, Piersoni, Scottii, Barrowsii, Elegantissima.

Order now for Summer.

Smilax, Cinerarias, Cyclamen, Celestial Peppers, Ficus, Gloxinias, Tuberous Rooted Begonias, Fancy Leaved Caladiums Rex and other Begonias.

Write for Price List.

GEO. A. KUHL, Pekin, Ill.

Wholesale Grower for the Trade.

CARNATIONS.

	Per 100	Per 1000
Lady Bountiful	$6.00	$55.00
Glacier	5.00	45.00
Mrs. Thos. W. Lawson	5.00	40.00
Enchantress	6.00	50.00
Flamingo	6 00	50.00
The President	6 00	50.00
Dorothy Whitney	6.00	50.00
Eclipse	6.00	50.00
Fred Burki	6.00	50.00
Fiancee	6.00	50.00

ELI CROSS, Grand Rapids, Mich.

CHRYSANTHEMUMS.

NOT TOO LATE TO PLANT.

We still have several thousands of thrifty plants in the best standard varieties for late planting. Plenty of white and other colors in proportion. $2.50 per 100; $22.50 per 1000.

VIOLETS, CALIFORNIA, SWANLEY WHITE.

Extra fine, bushy field clumps, $5.00 per 100; $45.00 per 1000.

BEGONIA REX, best named, 2½-inch and 3-inch, $5.00 per 100.

NATHAN SMITH & SON,

Adrian, Mich.

Nephrolepis Scottii.

Small plants from the benches, $5.00 per 100; $50.00 per 1000. Plants large enough for 6-inch pots, $25.00 per 100. Plants large enough to go in 7 and 8-inch pots, $50.00 per 100.

Asparagus Plumosus Nanus, 2¼-inch, fine plants, $3.00 per 100.

JOHN SCOTT,

Rutland Road and East 45th Street, **BROOKLYN, N Y.**

Telephone 2890 Bedford.

ABUNDANCE!

Healthy stock, field-grown plants, 1st size, $12 per 100; $100.00 per 1000; 2nd size, $10 per 100; $75 per 1000; 250 at 1000 rates. Delivery 15th of August. Cash with order.

Abundance is an easy lifter, takes hold quickly and makes good sized stems on first crop.

Freesia Purity bulbs all sold out clean.

RUDOLPH FISCHER,

GREAT NECK, L. I., N. Y.

CARNATIONS.

Strong, Healthy, Field-Grown Plants.

	Per 100	Per 1000		Per 100	Per 1000
Lawson	$5.00	$40.00	Morning Glory	$4.00	$30.00
Nelson	4.00	30.00	Boston Market	5.00	40.00
Guardian Angel	4.00	30.00	Lady Bountiful	6.00	50.00
Nelson Fisher	7.00	60.00	Flora Hill	4.00	30 00
Enchantress	7.00	60 00	Estelle	5.00	40.00
Mrs. Patten	6 00	50.00			

ROSE PLANTS.

Fine, Strong Plants, from 2½-inch Pots.

	Per 100	Per 1000		Per 100	Per 1000
RICHMOND	$5.00	$40.00	Liberty	$3.00	$25 00
" 3-in	6.00	50.00	Sunrise	5.00	40.00
Kaiserin, 3-in	4.00	35.00	Chatenay	4.00	35.00
Am. Beauty	6 00	50 00	Ivory	2.50	22.50
" " 3-in	7.00	60.00	Perle	4.00	35.00

PETER REINBERG,

51 Wabash Avenue, CHICAGO.

CARNATIONS

	Per 100
500 Queen Louise, field-grown	$4.00
SMILAX, $9.00 per 1000	1.00
ASP. PLUMOSUS, 2½-in. pots, Aug. 15	2.00
CINERARIAS, Sept. 1	2.00
PANSY SEED, large, flowering, per oz	4.00

PRIMROSES

	Per 100
Chinese, 2¼-in., ready Aug. 15	$2.00
Obconica Rosea and Alba, ready Aug. 15	2.00
Forbesi, fine for cut flowers	2.00
PAPER WHITE NARCISSUS, 13 ctm., Sept.	1.25

——CASH PLEASE.——

JOS. H. CUNNINGHAM, Delaware, Ohio.

O. K. ORCHIDS

A large shipment of **CATTLEYA TRIANAE** just arrived in splendid condition. This **Cattleya** is the most valuable of all, because it blooms at **Christmas** time when flowers are expensive. In original cases, write for prices: cheaper in large quantities. We expect our **SCHROEDERIANA** and **GIGAS** in from four to six weeks. Cash or satisfactory New York references required.

JOHN De BUCK,

Collector of Orchids,

P. O. Box 78, COLLEGE POINT, L. I., N. Y.

Please mention the American Florist when writing.

FOR SALE

Field-Grown

Carnation Plants.

Fine stock in first and second sizes.

E. T. GRAVE,

RICHMOND, - IND.

Please mention the American Florist when writing.

DAHLIAS.

Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring.

DAVID HERBERT & SON,

Successors to L. K. Peacock, Inc., **ATCO, N. J.**

Please mention the American Florist when writing

ASPARAGUS Plumosus Nanus

from flats, $6 00 per 1000 large 3-in, **Plumosus Nanus,** $18.00 per 1000. Cash with order, prepaid. **Sprengeri,** from flats, $6.00 per 1000. The **Royal Palms of Cuba,** $2.00 per 1000.

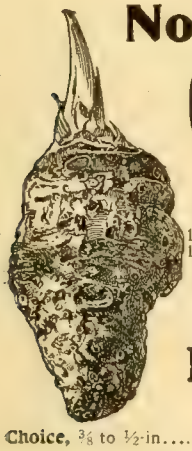
YALAHA CONSERVATORIES,

YALAHA, LAKE CO., FLA.

Please mention the American Florist when writing.

Convention Number Next Week.

SEND ADVT. NOW.



Now Ready
CALLAS

Well Cured and Free from Rot.

	Per 100	1000
1¼-1½-in.	$5.00	$45.00
1½-2-in.	7.00	65.00

Larger Sizes Due Soon.

FREESIAS.

Bermuda Grown.

Choice, ⅜ to ½-in....per 100, $ .85; per 1000, $7.50

California Grown.

	Per 100	1000
Choice, ½ to ¾-in.	$ .65	$5.00
First Quality, ⅜ to ½ in.	.45	3.00

Vaughan's Star-Shaped White.

This is a pure white variety with narrow petals and star-shaped flowers borne on long stems. It is a decided improvement over the ordinary Freesia and well worthy of a trial. Per 100, $1.50; per 1000, $12.00

French Bulbs Due Next Week.

VAUGHAN'S SEED STORE,

CHICAGO, 84-86 Randolph St. — **NEW YORK,** 14 Barclay St.

PANSY SEED.

Brown's extra Select superb giant prize Pansies awarded silver medal St. Louis Exposition, 1904. My own grown, new, 1906 crop, ready.

PRICE MIXED SEED:

3,000 seeds	$ 1.00
¼ oz.	1.50
½ oz.	2.50
1 oz.	5.00
¼ lb.	14.00
½ lb.	25.00
1 lb.	50.00

Cash with order.

PETER BROWN,
LANCASTER, PA,

W. J. ELDERING & SON

Bulb Growers,
OVERVEEN, Haarlem, HOLLAND.

We can make some attractive propositions in high grade Hyacinths and Daffodils.

Please mention the American Florist when writing

NOW READY

Zirngiebel's Prize Pansy Seeds, in trade packages, **$1.00** each. Giant Market, 2000 seeds. Giant Fancy, 600 seeds. Full directions with each package.

AUGUSTUS ZIRNGIEBEL, NEEDHAM, MASS.

Please mention the American Florist when writing.

PLANT NOW. LILIUM HARRISII
FOR EARLY FORCING.

We offer some extra choice Lilium Harrisii which has been grown for us from the original, pure stock. This is the kind of stock that you want for the very earliest forcing, as it is the true, original Harrisii. The small sizes, 5-7s and 6-7s are particularly desirable for this purpose, as they will flower more quickly than the larger bulbs. If you want to get a little of the original, pure Harrisii, try a case or two of this. As our stock of this is limited, we can offer only a few cases to a single buyer. If you have been dissatisfied with the Harrisii that you have forced heretofore, try a case or two of this, and see if it is not more than worth the difference in price over the stock that you have been buying. In ordering, ask for the pure selected strain of original Harrisii, which we offer as follows:

5 to **7**-inch bulbs, 400 to the case, per case.	**$17.00**
6 to **7**-inch bulbs, 350 to the case, per case.	**17.50**
7 to **9**-inch bulbs, 200 to the case, per case.	**20.00**

EASTER COMES EARLY NEXT YEAR—MARCH 31—and a great many growers will want to use Harrisii instead of Longiflorum so as to be sure to have the plants in flower in time, as the season is going to be short for Japan Longiflorum. The crop of Harrisii this year is the shortest it has been in years, and in view of the extra demand, we advise those who have not already covered their requirements to lose no time in doing so.

For very earliest forcing—Christmas and later—we recommend the pure Harrisii offered above, but for later forcing, for Easter, our customers will find the regular stock offered below first-class stock—much better than the average stock usually offered. We can quote the regular stock as follows:

6 to **7**-inch bulbs, 335 to the case, per case. **$13.50**

FREESIA REFRACTA ALBA, the true white variety. Now ready. Finest Bermuda-grown stock, $1.00 per 100; $7.50 per 1000.

BERMUDA BUTTERCUP OXALIS, $1.00 per 100; $7.50 per 1000.

F. R. PIERSON CO.
Tarrytown-on-Hudson, New York.

C. C. MORSE & CO.
SEED GROWERS.

171-173 Clay Street, : SAN FSANCISCO, CAL.

OUR SPECIALTIES: Onion, Lettuce, Sweet Peas; also Carrot, Celery, Celeriac, Cucumber, Endive, Leek, Mustard, Parsley, Parsnip, Radish, Salsify, Spinach, Tomato and Flower Seeds.

Growers for the Trade on Contract.

Warehouses: at SANTA CLARA.
Farms and Farm Headquarters: CARNADERO, near GILROY.

Registered Cable Address: "Morseed," San Francisco.

PANSY SEED. The Best English Strain

Exhibited and grown by the trade throughout Europe. **The Finest Strain Ever Seen.** Mailed, **$2.00** per ounce.

The BEDFORDSHIRE SEED CO., Ltd., SANDY, ENGLAND.

WHEN BUYING MUSHROOM SPAWN Buy the Best You Can Get.

We Grow Mushrooms. We are headquarters for **"PURE CULTURE" SPAWN** and importers of **ENGLISH MUSHROOM SPAWN.**

Write us and we will send you free of charge valuable information on the subject.

Fresh Supply of Spawn Every Month.

KNUD GUNDESTRUP & CO., MUSHROOM SPECIALISTS.
4273 Milwaukee Ave., CHICAGO.

CONVENTION NUMBER
AUGUST 18. . . . .
Send ADVT. NOW.

This is the florists' time to travel and it pays to tell them what you have to offer now so that they may stop off and see for themselves. Tell them also what you will exhibit at the convention. Advertising in the best trade paper is the best way to reach the real buyers.

The Nursery Trade

American Association of Nurserymen.
Orlando Harrison, Berlin, Md., President; J. W Hill, Des Moines, Ia., Vice-President; George C. Seager, Rochester N. Y., Sec'y.
Thirty-second annual convention, Detroit, Mich., June, 1907.

THERE is no better plant for hiding or screening unsightly buildings than the wild grape.

ANN ARBOR, MICH.—A 50-acre tract for a botanical garden and an arboretum for this city and the University of Michigan has been secured.

PETERSON'S NURSERY, of Chicago, reports a lively business, as it is having a big run on peony plants which have proven especially good this year.

LOS ANGELES, CAL.—Eastlake park will have a handsome conservatory if the city council sees its way clear to increase the appropriation of the park commissioners $50,000.

THE American Apple Growers' Congress will be held at the Planters' Hotel, St. Louis, Mo., next week, August 14 and 15. An elaborate programme has been arranged.

AMPELOPSIS QUINQUEFOLIA, in its clinging form, is one of the best vines in cultivation for covering tall, bare tree trunks, etc., where the Boston ivy will not thrive.

CUSTOMERS who are averse to purchasing expensive garden trees and shrubs for the embellishment of their grounds should be induced to try the best of our cheaper native trees, shrubs and perennials.

DAVENPORT, IA.—H. G. Bryant and A. Arp have entered into partnership under the name of the Davenport Nursery Co., Commencing August 1. Mr. Bryant is one of the Princeton, Ill., Bryants and a relative of Wm. Cullen Bryant.

LOS ANGELES, CAL.—Mrs. Ross, mother of J. W. Ross, of Pasadena, and C. Ross, of the Ross Nursery, this city, died July 28 after an illness of several years. Mrs. Ross was well advanced in years and the cause of death was general decline.

THE annual convention of the Southern Nurserymen's Association will be held at Lookout mountain, Chattanooga, Tenn, August 15 and 16, with headquarters at the Lookout Mountain inn. The Southeastern Passenger Association has granted a rate of a fare and a third for the round trip. Fuller explanation of this reduced rate will be sent to each member on receipt of the annual dues of $2. Address Chas. T. Smith, secretary and treasurer, Concord, Ga.

SALT LAKE CITY, UTAH.—Surveyor General Hull has received from the department at Washington a proclamation of President Roosevelt, setting apart a portion of section 17, township 2 south, range 3 east, designated as a nursery site for the Department of Agriculture. Experiments will be made upon the said land for the propagation of the kinds of trees best suited for this region, and the trees will be transplanted to the desired localities.

Vaccinating Trees.

According to Consul-General Guenther, of Frankfort, German papers state that it happens frequently that the roots of fruit trees are more exhausted than the parts above the ground, and so the life of the tree is threatened.

In order to prolong its life in such cases it has been recommended to vaccinate the trunk of the tree with a solution of sulphate of iron, the same article which is used in the so-called anaemia or chlorosis (Bleichsucht) of the grapevine. A Russian scientist, Mr. Sigismund Monrejetzki, has now made minute scientific experiments with reference to the results of such vaccinations, and by employing colored solutions he has shown that the solution never enters into the old wood. It only follows the young growth, but it penetrates into the roots down to a depth of 1 meter (about 39 inches), while on the other hand it penetrates up to the top of the tree. It is therefore deemed best to vaccinate the tree through a single opening of the neck of the root, and it should serve not only for the introduction of nutritive substances, but also of such liquids which, by killing certain bacteria, tend to cure diseases of the plant.

The foregoing was submitted to Prof. A. F. Woods, of the Department of Agriculture, who writes as follows:

"The use of solutions of sulphate of iron in the treatment of all kinds of vegetation suffering from chlorosis is quite common. Trees and other vegetation often respond to a treatment with this salt, even though there may be no absence of available iron in the soil. The application may be made either to the soil, to the foliage in the case of plants which can absorb slight traces of iron through the leaves, or it is sometimes introduced into the young wood. The distribution of the solution through the tree by introducing it into the upper portion of a root, of course, would be comparatively slow and imperfect. It is much better, as a rule, to apply stimulating salts or food to the soil so that it can be obtained by feeding the roots. It has been known, however, for more than 100 years, that plants will take up nutrition and often toxic solution directly through the young wood cells, if an opening is made and the liquid introduced with the exclusion of air. The phenomenon is easily demonstrated by putting any cut stem into red ink, or any other colored solution that will pass up through the vessels of the wood without precipitation.

"No one has yet succeeded in introducing soluble substances in this way into trees or other plants so as to increase the resistance of the tree to insect or fungus attacks. Substances which are distasteful to the insects or poisonous to fungi are usually so injurious that the injury done by introducing them is greater than that which would be done by the fungi or insects. It is a well-known fact, however, that the resistance of trees or other plants to certain classes of insects may be increased by the kind of food given them. For example, the cotton plant is made more resistant to the red mite by furnishing the plant with a good supply of phosphoric acid and potash. The normal acidity of the tissues is increased in a well nourished plant and the acid happens to be distasteful to the mite. The same is true in the case of oranges and some other citrus fruits, but such feeding as this is simply taking advantage of the natural tendency in the plant, and is not introducing any substance, toxic or injurious to insects or fungi in itself.

"From a practical standpoint, therefore, there is nothing new in this question of tree vaccination, nor is there anything practical."

Columbus, O.

TRADE SLOW.

The market, for the past week, has been very slow. The hot weather seems to have driven the more fashionable residents from the city, thus cutting off one of the essential parts of the great machine represented by the retail trade of a large city. However, the lack of trade is undoubtedly a blessing in disguise, for there is also a great deficiency in stock just at present. Roses are fairly good but scarce. Carnations are scarce and also quite small. Asters and gladioli are quite plentiful, especially the latter, and both are of good quality. Some of the local florists have received their first shipments of Bermuda lilies. The bulbs seem to be of very good quality. It is to be hoped that there will be a good crop of Bermudas this year as the demand seems to increase yearly. A snowball bush in full bloom was seen here several days ago. Although not a miracle, yet it is not a common occurrence to see one in bloom in this part of the country at this time of year. Hydrangeas everywhere seem to be doing exceptionally well. There has been an unusual demand for green goods, such as bay, box, and evergreen, for porch and yard decoration this year. This is a fad which should be encouraged by every florist, as it is one of the most artistic and beautiful means of decorating. CARL.

Springfield, O.

Probably the most violent hailstorm on record visited this locality July 27, its duration having been about 45 minutes and the size ranging from hickory nuts to hulled walnuts according to various eyewitnesses. West of town, the ravines were said to have been piled full of hailstones. Nearly every florist here suffered slight loss of glass in hotbed sash, but all houses withstood the bombardment with the exception of several of the oldest houses of the Geo. H. Mellen Co., in which single strength glass was broken to the extent of approximately $100. We learn of only one concern here carrying hail insurance, but this recent experience will doubtless cause a more general demand for this sort of protection.

At Urbana, the Reeser Floral Co. sustained a loss variously reported at from 300 to 700 lights of glass.

G. D.

TREES AND SHRUBS.
We make especially low prices on **Nursery Stock** to Parks, Cemeteries, etc. Wholesale price-list on application. We carry immense quantities of the finest named varieties of
PEONIES.
PETERSON NURSERY 503 W. Peterson Ave. CHICAGO, ILL.

Newport, R. I.

CARNIVAL BOOMS BUSINESS.

The week August 6 to 11 has been devoted to the grand carnival on land and water. The city was beautifully decorated with flags, bunting and evergreens. In the harbor British and American warships are brilliant with color by day and illuminated by night. Of course Newport's "400" entertained the naval officers, and all florists were busy decorating for dinners both on the private yachts and in the residences. The season here is now at its height, and any kind of flower sells. The outdoor flowers were badly damaged by the continuous rain and fog had during the entire month of July. Gardenias are plentiful.

NOTES.

Most of the gardeners are getting ready for our annual flower exhibition to be held Aug. 13 and 14.

Oscar Schultz has a fine lot of Lilium auratum, L. rubrum and L. album in bloom under glass.

Visitors: A. H. Folger, representing Bonnie Brae, New Rochelle, N. Y.; T. J. Wade, representing Stumpp & Walter Co., New York.

PAEONIES.

Over 100 named kinds including a collection of Japanese varieties Officinalis in 4 kinds, besides a selection of favored kinds in all colors, from early to late for cutting in succession. Prices very low for good stock, true to name and description. A grower of over 40 years' experience. **Send for list.**

F. A. BALLER, Bloomington, Ill.

Metairie Ridge Nursery Co.

H. PAPWORTH, President.
NEW ORLEANS, LA.
SPECIAL OFFER OF
LATANIA BORBONICA and RUBBER PLANTS.
Grand young stock from 4-inch pots.
Write for prices on large lots.

LARGE TREES.

OAKS and MAPLES.
PINES and HEMLOCKS.
ANDORRA NURSERIES,
Wm. Warner Harper, Prop.
Chestnut Hill, PHILA, PA.

PEONIES

Queen Victoria (Whitleyii), per 100....$ 9.00
Festiva Maxima, per 100..... 30.00
Fragrans (the bloom producer) per 100. 6.00
For 1000 rates and other varieties, write
GILBERT H. WILD, Sarcoxie, Mo.

Just to hand, fine importation of
Bay Trees, Box Trees
Standards and Pyramids.
Euonymus, Evergreens.
New price list on application.
JULIUS ROEHRS CO. Importers, Rutherford, N. J.

The Storrs & Harrison Co.

PAINESVILLE NURSERIES.
CATALOGUES AND PRICE LISTS
FREE ON APPLICATION.....
PAINESVILLE, OHIO.

Send to **THE MOON** Company
For Your } Trees, Shrubs, Vines and Small Fruits.
Descriptive Illustrated Catalogue Free
THE WM. H. MOON CO.,
Morrisville, Pa.

D. and C. Roses Are the cheapest because they are the best. We have in stock over 1 000 varieties on own roots including all the New European and American varieties of merit, as well as all the old varieties. All sizes from 2½-inch pots up. We can also offer 40 of the leading and newest varieties of Cannas including Mont Blanc, also miscellaneous lists of Plants and Shrubbery, at prices that will make it worth your while to send us your lists for quotations before buying elsewhere. Send for a copy of Our New Guide to Rose Culture, for 1906, a handsome book of 116 pages. Free for the asking.
The DINGEE & CONARD CO., West Grove, Pa.
Established 1850. 70 Greenhouses.

Jacs Smits, Ltd. NAARDEN, (Holland.)
GROWERS OF
Rhododendrons, Azaleas, pot grown Shrubs for forcing, Lily of the Valley, Spiræa, Paeonias, Roses, Climbing Plants good varieties of Conifers and all ornamental stock.
Personal Inspection Cordially Invited.
R. R Depot, NAARDEN-BUSSUM, near Amsterdam.
Price list free on demand.
Please mention the American Florist when writing.

ROSES

Strong Plants. 2½-in. pots.	100	1000	On Own Roots. 4-in. pots.	100
Cr. Rambler	$2.50	$20	Baby Rambler	$20
Wood, LaFrance	2.50	20	Crimson Rambler	6
Meteor, G. Gate	2.50	20	Charta, Masson	7
Notting	2 50	20	Diesbach Wood	7
Diesbach, Laing	3.00	25	Neyron, Laing	8
Masson, Caprice	3.00	25		

101 best sorts for fall 1906 and spring 1907.
THE LEEDLE FLORAL COMPANY, SPRINGFIELD-OHIO.
Please mention the American Florist when writing.

SURPLUS STOCK OF ROSES

1,000 3-inch Beauties, 1,500 3½-inch Chatenay, 400 3½-inch Uncle John.
$5.00 per 100; $45.00 per 1000.
Cash with order from unknown parties.
LAMBORN FLORAL CO.
Rosemont Greenhouses. ALLIANCE, OHIO.

ROSES, 2½-Inch STRONG PLANTS.
Crimson Rambler and other varieties.
$2.00 per 100; $15.00 per 1000.
C. M. NIUFFER, SPRINGFIELD, OHIO.

PAEONIAS For Fall Delivery.

We are booking orders **NOW** from a large and well-assorted stock, carefully selected from hundreds of varieties tested. All have bloomed with us, and we guarantee them true to name. Send for special list, with prices
—We are headquarters also for—
ROSES, CLEMATIS, AMPELOPSIS and HYDRANGEAS.
Use printed stationery. We sell at wholesale only.
JACKSON & PERKINS CO., Newark, Wayne County, New York.

HIBISCUS SYRIACUS MEEHANII

WE now offer to the trade our new hardy variegated leaf Hibiscus Syriacus Meehanii. This plant attracted much attention when exhibited at the American Nurserymen's Convention at Wes Baden, Ind., and American Florists' Exhibition at Asheville, N. C. Foliage beautifully variegated; never sun-scalds or reverts to the green; flowers single, very large, satiny lavender; blooms during four months; prices on application. Orders booked now.

P. J. BERCKMANS CO., Inc., Fruitland Nurseries AUGUSTA, GA.

Order Peony Plants Now

Complete list ready for distribution. Ship September 1. Stock guaranteed true. IT MEANS SOMETHING to carry away a SILVER CUP and NINE FIRST PRIZES out of twelve awarded at the Exhibition of the American Peony Society. That is what we did.

PETERSON NURSERY,
Lincoln and Peterson Avenues, CHICAGO, ILL.

Palms, Ferns, Etc.

WHOLESALE PRICE LIST.

Bouvardia, field-grown, pink and white, ready to plant into bench for winter blooming, $8.00 per 100.

Hydrangea Otaksa, field grown, $1.50 and $2.00 per doz.

	In.	Tiers.	Ea.	Doz.	100
Araucaria Excelsa	4	2 to 3	$0.35	$4.00	
" "	5	3	.75	9.00	
" "	6	3 to 4	1.00	12.00	
Asparagus Plumosus	2				$5.00
" "	3				6.00
Asparagus Sprengeri	2				3.00
" "	3				6.00
" "	4			1.50	
" "	5			2.00	

Asparagus Scandens Deflexus, a beautiful green for wedding and funeral work. 3-in. pots at $1.50 per doz.; 4-in. pots at $2.00 per doz.

Bay Trees, small standards, 12-inch heads, $5.00 per pair.

Bay Trees, pyramids, 5 feet high, $15.00 per pair.

Adiantum Capillus, 5-in., $2.00 per doz.

" **Gracillimum,** 4-in., $1.25 per doz.; $10.00 per 100.

Boston Ferns, 4-in. pots, $1.50 per doz.; 5-in. pots, $3.00 per doz.; 6-in. pots, $4.20 per doz; 6-in. pots, strong, $6.00 per doz.; 7-in. pots, $9.00 per doz. Larger specimens, $1.50, $2.00 and $3.00 each.

Scottii Ferns, 10-in. pots, $2.00 each.

Assorted Ferns for dishes, $3.00 per 100; $25.00 per 1000. We have a large lot to offer in best varieties.

Fern Balls, 7 to 9. Dormant or in leaf, $4.20 per doz.

Crytomium Falcatum, fine plants, 35c and 50c each

Dracaena Fragrans, 5-inch pots, 50c each; $5.00 per doz.

Dracaena Fragrans, 6-inch pots, 75c each; $9.00 per doz.

Dracaena Indivisa. We have a very large stock of fine plants, just the kind you need for the centers of vases. 2-inch pots, $2.50 per 100; 6-inch pots, 20 to 26 inches high, 50c each; $5.00 per doz.; 7-inch pots, 30 to 34 inches high, 75c each; $9.00 per doz.

Dracaena Massangeana, 8-inch pots, $2.00 each.

" " 9-inch pots, $3.00 each.

Dracaena Terminalis, 4-inch pots, 25c each; $3.00 per doz.; 5 inch pots, 35c each; $4.20 per doz.

Honeysuckle Vines, 4-inch pots, $8.00 per 100.

Maranta Lietzii, 2¼ in., $1.00 per doz.

Pandanus Veitchii, 7-in., $2.00 ea.; $24.00 per doz.

" **Utiles,** 3-in.....per doz., $1.50

" 4-in.....per doz., 3.00

" 5 in.....per doz., 5.00

Areca Lutescens, 5-in., 50c each; $5.00 per doz.

Cocos, for dishes, 2½-inch, $1.50 to $1.75 per doz.

Cocos Bonetti, large specimens, $40.00 each.

	In.	Each	Doz.
Kentia Belmoreana	3		$ 2.00
" "	4		3.60
" "	5	$0.60	7.20
" "	6 xx	1.25	15.00
" "	7	2.50	30.00
Kentia Forsteriana	5	.60	7.20
" "	6	1.25	15.00
" "	7	2.00	24.00

Phoenix Canariensis, 2-in.....per doz., 1.00

" 5-in.....per doz., 5.00

" fine bushy plants, just the thing for vases, lawn decoration, etc., 10-in. pots, $3.00 each. Large specimens, $25.00 to $30.00 each.

Phoenix Reclinata, 3½-in.....per doz., $2.00

" 4-in.....per doz., 3.00

" 6-in., 50c each; per doz., 6.00

" 7-in. 75c each.

Sansevieria Jav. Var., 4-inch at $2.00 per doz.

Selaginella Denticulata, 3-in., per doz., $1.00.

The Geo. Wittbold Co.

1657 BUCKINGHAM PLACE, CHICAGO.

Please mention the American Florist when writing.

PRIMROSES!!

Chinese, mixed, 2-inch, 2c.; **Obconica,** Grand Fimbriata, Alba, Rosea, Lilac, Carmine, $2.00 per 100. **Obconica,** Double and Sanguienta, $3.00 per 100. **Jerusalem Cherries,** 2½-inch, $2.00 per 100.

FERNS from bench, Boston and Piersoni, 4-inch, 10c.; 5-inch, 12½c. Tarrytown, 4-inch, 15c.; 5 inch, 25c.; Scottii, 3-in., 8c.; 4-inch, 12½c.

Cash or C. O. D

BYER BROTHERS

CHAMBERSBURG, PA.

Please mention the American Florist when writing

E. F. WINTERSON CO.

45-47-49 Wabash Ave., CHICAGO.

We are now receiving Fancy Long Stem Asters, all colors; also Gladioli, Auratum Lilies, Sweet Peas, Roses, American Beauties.

Our Carnations are the best on the market, and are fine for this season of the year.

Fancy Valley and all Greens always on hand.

ALL CUT FLOWERS IN SEASON.

"Leading Florists' Supply House of the West."

BEGONIA "Gloire de Lorraine" and "Turnford Hall"

NOW READY FOR DELIVERY.

Propagated strictly from **Single Leaf;** this method gives much better results than from cuttings.

$15.00 ....per 100. **$140.00** ....per 1000.

4-inch pots. **$40.00** per 100.

ADIANTUM FARLEYENSE.

Fine specimens. **$18.00** to **$24.00** per doz. 1¾-inch pots, **$8.00** per 100. 2½ inch pots, **$15.00** per 100.

PANDANUS VEITCHII.

50c, $1.00, $1.50 and **$2.50** each. Good value guaranteed.

Cash with order from unknown correspondents.

J. A. PETERSON,

McHenry Avenue, WESTWOOD, CINCINNATI, OHIO

Please mention the American Florist when writing.

LUDVIG MOSBAEK,

ONARGA, ILL.

100,000 Asparagus Pl. Nana and **Sprengeri,** very strong and fine plants, ready for shift, 4-in., $10.00; 3-in., $5.00; 2¼-in., $2.50 per 100; 2¼-in., $20.00 per full 1000. Seedlings, $10.00 per 1000.

40,000 Ferns, in var.: **Anna Foster, Boston, Piersoni** and **Sword Fern** (Exaltata), very fine, pot grown, ready for shift, 6-inch, $30.00 per 100; $4.00 per doz.; 4-in., $15.00; 3-in., $8.00. **Boston** and **Piersoni,** strong runners $30.00 per 1000.

3,000 Nephrolepis Piersoni Elegantissima, 4-in., $50.00; 3-in., $20.00; 2¼-in., $12.00 per 100.

20,000 Geraniums, stock plants, from field in standard var., $6.00 per 100, $50.00 per 1000. Will also book orders for R. C and 2¼ in. plants.

Palms, Dracaena Indivisa, 3-in., $5.00 per 100. **Kentia,** 3-in., $15.00 per 100. **Latania,** 3-in., $15.00 per 100.

Roses, Brides and Bridesmaids, 3-inch, in fine condition, $5.00 per 100.

New Pansy Seed, Florists' International Mixture, 1 oz., $6.00; ⅛ oz., 75c; Giant Mixture, 1 oz., $4.00; ⅛ oz., 75c.

Please mention the American Florist when writing

GOV. HERRICK THE COMING VIOLET

One that produces three times as many flowers as any violet ever offered for sale. It will please you. Order at once. Prices: $2.00 per doz.; $10.00 per 100; $75.00 per 1000; 5,000 or more at $60.00 per 1000. Send for description today.

H. R. CARLTON, Willoughby, O.

INTRODUCER and ORIGINATOR.

BARGAINS SMILAX and ASPARAGUS

I need room, and rather than handle the the following stock a second time I offer it at these low prices, please send order in **NOW.**

ASPARAGUS SPRENGERI.

Fine, 2-inch pot stock at $1.50 per 100; $12.50 per 1000.

ASPARAGUS PLUMOSUS.

Fine plants from 2-inch pots at $2.50 per 100; $20.00 per 1000.

ASPARAGUS ROBUSTUS.

Extra strong fine plants; this variety is a great improvement over Plumosus and every grower should try at least a hundred. $3.50 per 100; $30.00 per 1000.

SMILAX.

As good as it can be grown, carefully cut back and with air space around each pot. $1.50 per 100; $12.50 per 1000.

GERANIUMS.

Send for my list of rooted cuttings. I have almost 200,000 stock plants to work from and want your orders for fall delivery.

ALBERT M. HERR, LANCASTER, PA.

Please mention the American Florist when writing.

Field-Grown CARNATIONS

6000 White Lawson, $6.00 per 100.

1000 Roosevelt,	300 The Crisis.
2000 Harlowarden.	500 Flamingo.
100 Eclipse.	200 F. Burki.
5000 Queen Louise.	

Finest in land, no stem rot. $5.00 per 100. $45.00 per 1000. Cash with order.

W. Fargo, American, Adams, U. S. Express.

W. SABRANSKY, Kenton, O.

Lilium Harrisii

FOR XMAS FORCING.

Well ripened and carefully graded bulbs.

5 to 7 Inches,

per 100.....**$4.50;** per 1000.....**$40.00.**

VAUGHAN'S SEED STORE,

84-86 Randolph St., CHICAGO. 14 Barclay St., NEW YORK.

Please mention the American Florist when writing.

Gov. Herrick Violet

We have this stock in No. 1 shape, in 2½-in. pots, all ready for benching, at $10.00 per 100, $80.00 per 1000, as long as they last.

W. A. CALHOUN, 3226 Euclid Ave., EAST CLEVELAND, O.

Vaughan's Seeds TRADE MARK NEW YORK-CHICAGO

Vaughan's Pansies

ARE BEST BY TEST...

10 PER CENT SPECIAL Cash Discount
On orders over $2.00 for Flower Seeds if the cash is enclosed 10 Per Cent.

NEW CROP SEED IS NOW ARRIVING.

Vaughan's Giant Named Varieties:

	Trade Pkt.	⅛ oz.	Oz.
Giant White, very large, with violet eye	$0.10	$0.20	$1.20
" **Aurora,** pure white without blotches	.10	.20	1.30
" **Adonis,** light blue with a white center, very fine	.10	.20	1.20
" **Auricula Colors,** metallic shades	.10	.20	1.25
" **Black,** large true black	.10	.20	1.25
" **Beaconsfield,** upper petals light lavender, lower ones deep rich purple, almost black	.10	.20	1.20
" **Freya,** deep purple violet, with a white margin	.10	.20	1.30
" **Mme. Perret,** lovely shades of pink and rose	.20	.50	2.00
" **President Carnot,** fine blotched white	.10	.25	1.60
" **President McKinley,** fine blotched yellow	.10	.25	2.00
" **Pink,** lovely shades of pink, same as Hydrangea	.10	.25	2.00
" **Purple,** very large, rich deep purple	.10	.20	1.00
" **Violet Blue,** a very pleasing shade	.10	.20	1.00
" **Striped,** mahogany, striped and flaked white	.10	.20	1.20
" **Parisian Striped,** stripes are broader and louder than the preceding, a good seller	.10	.20	1.30
" **Purple King,** a good new sort	.10	.25	1.50

	Trade Pkt.	⅛ oz.	Oz.
Giant Diana, cream color	.10	.25	1.50
" **Atrosanguinea,** blood red	.10	.25	1.50
" **Emperor William,** dark navy blue	.10	.20	1.25
" **Yellow,** immense flowers with dark eye ..4 oz., $4.25	.10	.20	1.25
" **Cassier,** 3 spotted	.10	.20	1.20
" " 5 spotted, an A1 strain	.25	.45	3.00
" **Bugnot,** the flowers are of enormous size, perfectly round, of great substance	.25	.60	4.50

Giant Bridesmaid. Its ground color is a rosy white, rivaling in delicacy and beauty with the finest apple-blossom. Trade Pkt., 25c; ⅛ oz., 45c; Oz., $2.60.

Giant Psyche. Each flower is elegantly curled and undulated and in every respect a beauty in form and color. Trade Pkt., 25c; ⅛ oz., 70c; Oz., $5.00.

Giant Pretiosa. Each petal is marked with a very large blotch of deep violet color; these blotches are surrounded by a brilliant crimson rose background, and the ground color is margined with a pure white edge. Trade Pkt. (250 seeds) 25c; ⅛ oz., 35c; Oz., $2.50.

BOULOGNE GIANTS. This is a special selection of a French pansy grower; the flowers are of the largest size, of great substance and fine form, and are borne on particularly strong stems. They are mostly 3 and 5 blotched, delicately veined while the colors are rich and varied. Like all high bred pansies, they are shy seed bearers. Trade Pkt., 50c.

GIANT VOLCANO. Color, bright dark red, each petal being marked with a very large dark blotch. The flowers are of large size and good substance, and the edges of the petals are curled like those of "Masterpiece," from which it is a selection. Trade pkt., 25c.

MARECHAL NIEL. The flowers are very large, without any blotches or veins, and are of the same pleasing, delicate cream color as the rose whose name it bears. Pkt., 10c.

ROSY MORN. A bright purplish crimson margined with a clear white edge. In early spring the color is very deep and rich; as the weather grows warmer, the color gradually turns a pleasing rosy carmine and the silver edge becomes wide. Trade Pkt., 25c; ⅛ oz., 60c.

SIEGFRIED. Of giant size, the flowers are borne on strong stems. They are mostly 5 spotted with a clear white margin. The colors are of rich brown shades such as are found in the English wall flowers. Trade Pkt., 25c.

Special Pansy Mixtures:

VAUGHAN'S INTERNATIONAL PANSIES—The Worlds' Best. This is a combination of as many separate colors, types, blendings and unique kinds as can be found in the world. **It is the best general mixture in existence** and is most widely known and popular. Price per oz., $10.00; ½ oz., $5.00; ⅛ oz $1.50; trade pkt. 50c.

VAUGHAN'S CUT FLOWER MIXTURE OF PANSY SEED. Especially made from light colored Giant varieties for florists who raise for cut flowers in the house. Trade pkt., 25c; ¼ oz., 80c; Oz., $5.50.

VAUGHAN'S "ELITE" MIXTURE. This is not a complete mixture like our International; it does not contain any pure white, yellow or any self colors, nor any other of the well known kinds. It is comprised of the cream of four Pansy specialists' choicest and most expensive mixtures and such new and novel kinds as listed above. Trade pkt., 50c; ⅛ oz., $1.00

MASTERPIECE—NEW GIANT CURLED. This strain comes nearer to "Double pansies" than anything ever introduced under that name. In reality the number of petals is the same as that in other Pansy flowers, but they are crimped and curled in such a fashion that the flowers appear double. The flowers are of enormous size, often 3 inches across, and the color variations and combinations are odd and striking. Trade pkt., 50c; ⅛ oz., 75c; ¼ oz., $1.35; oz., $5.00

VAUGHAN'S "GIANT PANSY MIXTURE." This mixture includes the richest reds, coppers and bronzes, together with the most delicate rose and pink shadings, all the distinct colors of Trimardeau, the splendid Cassier strain with its delicate veinings. We have spared no expense to secure the newest, richest and finest sorts. Price, ¼ lb., $14.00; oz., $4.00; ⅛ oz., 60c; trade pkt., 25c.

VAUGHAN'S PREMIUM PANSIES MIXED. Embraces all the varieties of the Fancy German Sorts. Per pkt., 25c; ⅛ oz., 80c; ½ oz., $3.00; oz., $5.50

CHICAGO PARKS BEDDING PANSIES. "Choice mixed," pkt., 10c; ¼ oz., 30c; oz., 75c; 4 oz., $2.50

NEW ORCHID-FLOWERED PANSIES. A most interesting type of Pansies of the Giant Flowered Class containing a mixture of the most surprising, novel, unique and beautiful color combinations. The upper petals are upright and sort of plaited, which gives the flowers their resemblance to orchids. The colors range in the terra cotta shadings as well as in the flesh orange, rose, pink and lilac. Trade pkt. 250 seeds, 25c.

IMPROVED GERMAN MIXTURE. This is a mixture of three strains from different German growers and is made up mostly of separate colors, with a sufficiently large percentage of white and yellow. Per large pkt., 10c; ⅛ oz., 20c; ¼ oz., 30c; oz., $1.00

VAUGHAN'S SEED STORE,

84 and 86 Randolph Street, CHICAGO. **14 Barclay Street, NEW YORK.**

Orchids!

ARRIVED IN SUPERB CONDITION.

Cattleya Dowiana, C. gigas, C. Mossiæ, C. Percivaliana, C. Speciosissima, C. Eldorado, C. superba, C. labiata, C. Leopoldii, and many more. Write for prices.

Lager & Hurrell, SUMMIT, N. J.
Orchid Growers and Importers.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World.

SANDER, St. Albans, England.

NEW YORK OFFICE: Room 1, 236 Broadway. **T. MELLSTROM** Agent.

Nephrolepis Whitmani

is **THE** fern to grow. Having ordered a large quantity I can fill orders on short notice. Write.

$25.00 per 100; **$200.00** per 1000.

S. S. SKIDELSKY. 824 N 24th St., Philadelphia.

CARNATIONS. . . .

Fine, Clean, Low Grown.

Enchantress	$6.00
Mrs. Thos. Lawson	5.00
Gen. Lord	5.00
Queen Louise	5.00
Estella	5.00

—CASH—

CENTRAL GREENHOUSES, SANDUSKY, OHIO.

CARNATIONS.

Field-grown plants. Ready now. **Prosperity** and **Genevieve Lord,** $6.00 per 100.

The H. Weber & Sons Co. OAKLAND, MD.

Carnations

We make it a business to grow and sell carnation plants. No surplus stock. All A1 plants.

	Per 100	1000		Per 100	1000
Enchantress	$5.50	$50.00	Harlow'rden	$5.00	$45.00
Nels'n Fisher	6.00	55.00	Flamingo	5.50	50.00
Prosperity	5.00	45.00	Crane	5.00	45.00
Morn. Glory	4.50	40.00	Pink Lawson	4.50	40.00
Glacier	4.50	40.00	Cash with order, please.		

Blanksma Bros., R. F. D. No. 11 **GRAND RAPIDS, MICH.**

Please mention the American Florist when writing

Index to Advertisers.

Adv rates.....94
Advance Co The....124
Allen J K.....103
Amling E C.....99
Andorra Nurseries...111
Aschmann Godfrey..96
Atlanta Floral Co...104
Baller F A.....111
Barrows Henry & Son101
Bassett & Washburn 98
Bauman L & Co 123
Beaven E A.....97
Beckert W C.....IV
Bedfordshire Seed Co109
Benthey-Coatsworth Co.....99
Berckmans P J Co...111
Berning H G.....101
Bertermann Bros Co.104
Big Four Route.....98
Blanksma Bros.....113
Boddington A T....IV
Braslan Seed Co.....106
Breitmeyer's J Sons 104
Brown Peter.....109
Bruns H N.....IV
Buckley W T Co....105
Budlong J A.....99
Burpee W A & Co...IV
Byer Bros.....112
Caldwell the Woodsman Co.....97
Calhoun W A.....112
Carlton H R.....112
Carmody J D.....124
Central Grhs.....113
Chicago Carnation Co I
Chicago House Wrecking Co.....V
Childs John Lewis...97
Cleveland Cut Flo Co105
Clipper Lawn Mower Co.....122
Cochran Mushroom & Spawn Co.....IV
Collins Thos.....97
Cooke Geo H.....104
Cotsonas Geo & Co...103
Cowee W J.....123
Craig Robert Co....101
Cross Eli.....108
Cunningham Jos H...108
Daniels & Fisher....104
Deamud J B Co.....99
De Buck John 108
Detroit Flo Pot Mfy....122
Dietsch A Co.....124
Diller Caskey & Co...V
Dillon J L.....105
Dillon Mfg Co.....124
Dingee & Conard Co...111
Donohoe W H.....104
Dorner F & Sons Co I
Dreer H A.....114
Dreyer R.....97
Dunford J W.....105
Edwards Fold'g Box.123
Eldering W F & Son.109
Elliott Wm H.....101
Emmans Geo M.....97
Eyers H G.....104
Fellouris A J.....103
Fenrich J S.....103
Fischer R.....108
Florists' Hail Ass'n..114
Flower Growers Co. 99
Foley John J.....96
Foley Mfg Co.....124
Ford Bros.....103
For Sale & Rent.....95
Froment H E.....103
Garland Geo M.....V
Giblin & Co.....VI
Globe Engraving Co.124
Grave E T.....108
Gude A & Bro.....104
Gullett W H & Sons 105
Gundestrup K & Co 109
Gurney Heater Co...VI
Guttman Alex J.....103
Hansen M A.....104
Hart Jas.....103
Hauswirth P J.....104
Heller & Co.....IV
Henshaw A M.....103
Herbert D & Son....108
Herr Albert M.....112
Herrmann A.....123
Hess E L.....107
Hess & Swoboda....104
Hews A H & Co.....122
Hilfinger Bros.....122
Hill The E G Co.... I
Hinsdale Fern Co... 97
Hippard E.....V
Hitchings & Co.....VI
Holmes Seed Co IV
Holm & Olson.....104
Holton & Hunkel Co.101
Hooker H M Co....114
Hort Advertiser.....123
Hort Trade Journal..124
Hunt E H.....99
Igoe Bros.....124
Ionia Pottery Co....122
Jackson & Perkins Co.111
Jensen & Dekema... 99
Johnston Heating Co123
Journal des Roses...122
Kasting W F..... I
Keller Geo & Son...122
Keller Pottery Co...122
Kellogg Geo M 104
Kennicott Bros Co.. 99
Kervan Co The.....103
Kessler P.....103
King Construction Co124
Kohr A F.....121
Koppelman E L & Co114
Kramer F H.....105
Kramer I N & Son..122
Kroeschell Bros Co. 123
Kuehn C A.....101
Kuhl Geo A.....108
Lager & Hurrell.....113
Lamborn Floral Co .111
Lange A.....104
Langjahr A H 103
Lecakes N & Co.....103
Leedle Floral Co....111
Livingston Seed Co. 104 123
Lockland Lumb'r Co. V
Lord & Burnham Co. VI
McConnell Alex.....105
McCullough's J M Sons Co.....101
McKellar Chas W... 99
McKissick W E.....101
Mayberry & Hoover.104
Metairie Ridge Nursery Co 111
Metropolitan Mat Co.123
Mich Cut Flower Ex. 97
Mills the Florist.....104
Moninger J C Co.... V
Moon The Wm H Co.111
Moore Hentz & Nash.103
Morse C C & Co.....109
Mosbaek L 112
Murdoch J B & Co ..101
Murray Samuel.....104
Nanz & Neuner..... 97
Natl Flo Bd of Trade.103
N Y Cut Flower Ex .103
Niessen Leo Co 101
Niuffer C M.....111
Olbertz J.....101
Pacific Seed Co.....107
Paducah Pottery 122
Palethorpe P R Co..122
Palmer W J & Son..104
Park Floral Co.....104
Pennock S S. 101
Perfection Chem Co. 123
Peterson J A 112
Peterson Nurs ..110 111
Pierce F O & Co 124
Pierson F R Co.I IV 109
Pierson U Bar Co.... V
Pittsburg Cut Flo Co.101
Pittsburg Florist Ex .101
Pollworth C C Co ...104
Poehlmann Bros Co96 99
Quaker City Machine Works.....124
Randall A L Co. 105
Rawson W W & Co.. IV
Raynor J J. 103
Ready Refer'nce Adv.115
Regan Print House..123
Reinberg Peter...99 108
Rice Bros. 97
Rice James H Co ...123
Robinson H M & Co. 97
Roehrs Julius Co.....111
Sabransky W.....112
Sander & Son 113
Schillo Adam.....114
Schulz Jacob 105
Scott John 108
Seekins W W 105
Seligman Jno.....103
Sharp Partridge & Co 123
Sheridan W F.....103
Sim Wm 100
Sinner Bros. 99
Situations & Wants.. 95
Skidelsky S S.....113
Smith Nathan & Son.108
Smith W & T Co.... I
Smits Jacs.....111
Southern Floral Nursery Co 96
Sprague Smith Co...122
Standard Pump & Engine Co..... VI
Stearns Lumber Co.. VI
Steffens Emil.....114
Stenzel Glass Co....114
Stern J & Co.....123
Stokes Seed Store ..107
Stoothoff H A & Co 122
Storrs & Harrison Co111
Styer J J.....IV
Syracuse Pottery Co.122
Taylor F G Seed Co. IV
Thomas Victor H... 97
Thompson J D Carnation Co..... I
Thorburn J M & Co .IV
Totty Chas H 103
Traendley & Schenck 103
United States Cut Flower Co..... 96
VanHoutte Pere Sons 97
Vaughan & Sperry... 99
Vaughan's Seed Store I II IV 109 112 113 123
Vick's Sons Jas IV
Vincent R Jr & Son.. 96
Virgin U J.....104
Waldeck Bros 98
Weathered & Co 124
Weber F C.....104
Weber H & Sons....113
Weeber & Don.....IV
Weiland & Risch.... 99
Welch Bros.....104
Whilldin Pot Co.....122
Wietor Bros..... 59
Wild Gilbert H.....111
Wilson Andrew 123
Wilson Robt G.....104
Winterson E F Co....112
Wittbold Geo Co. 99 112
Wolf A Q & Bro.....114
Wolfe Julius.....100
Wood Bros.....105
Wrede H.....IV
Yalaha Cons'vat'ries108
Young A L & o....103
Young Thos.....103
Zech & Mann..... 99
Zirngiebel Augustus.109

H. M. HOOKER CO.

Window Glass, Paints and Putty.
Greenhouse Glass a Specialty.

59 W. Randolph St., CHICAGO.

Please mention the American Florist when writing.

STENZEL GLASS CO.,

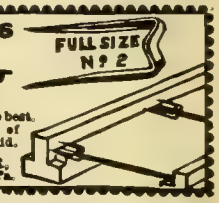
GREENHOUSE GLASS.

French and American "WHITE ROSE" Brand.

2 Hudson St., NEW YORK.

Please mention the American Florist when writing

Holds Glass Firmly
See the Point
PEERLESS
Glazing Points are the best.
No rights or lefts. Box of 1,000 points 75 cts. postpaid.
HENRY A. DREER,
714 Chestnut St., Phila., Pa.



Please mention the American Florist when writing.

—THE—

Florists' Hail Association

Insures over 23,000,000 square feet of glass. for particulars address

JOHN G. ESLER, Sec'y, SADDLE RIVER, N. J.

Please mention the American Florist when writing

AMERICAN FLORIST ADS

Always do business
Week days and every day
Sundays and holidays
All over the country
At home and abroad

ESTABLISHED 1866

EMIL STEFFENS

MANUFACTURER OF

FLORISTS' WIRE DESIGNS & SUPPLIES

335 EAST 21st ST. NEW YORK CITY.

Please mention the American Florist when writing.

Tobacco Dust

FOR FUMIGATING.

It would pay large users of dust to communicate with us and get samples and prices.

Edwin L. Koppelman & Co., 81 PINE STREET, NEW YORK.

Please mention the American Florist when writing.

LUMBER

for Greenhouse Benches, Ship Lap, Drop Siding, Sheathing, Flooring, White Cedar Posts, Etc.

We are in special position to furnish **"PECKY CYPRESS"** everything in **PINE** and **HEMLOCK BUILDING LUMBER.** **WRITE FOR PRICES.**

Adam Schillo Lumber Co. Cor. Weed and Hawthorn St., **CHICAGO.** Tel. North 1626 and 1627.

Please mention the American Florist when writing

The New **WOLF PIPE Ventilating MACHINES**

Uses all roller bearing hangers, circular cut gear steel arms, furnished for all kinds of houses.

A. Q. WOLF & BRO., Dayton, Ohio

ANZEIGERATEN DES AMERICAN FLORIST.

Unsere Anzeigeraten sind: für den Zoll der einzelnen Spalte, $1.00 (M. 4.17); für die Seite, 30 Zoll, $30 (M. 125). Bei mehrmaligen Einrückungen werden Diskontoraten gewährt, wie folgt:

6 Einrückungen..... 5%; 26 Einrückungen.....20%;
14 Einrückungen.....10%; 52 Einrückungen.....30%.

Raum auf den vorderen Seiten und auf der Rückseite des Umschlages wird nur in Jahreskontrakten und zu $1.00 (M. 4.17) den Zoll netto abgegeben. Zahlungen sind mittels Postanweisung erbeten.

Ready Reference Advertising.

ADVERTISEMENTS IN THIS DEPARTMENT 10 CENTS PER LINE, CASH WITH ORDER. COPY MUST REACH US MONDAY OF THE WEEK IN WHICH IT IS TO APPEAR

ALTERNANTHERAS.

Alternantheras, red and yellow, 2-in. pots, extra plants, $1.75. Brilliantissima, 2-in. pots, $2. Geo. M. Brinkerhoff, Springfield, Ill.

Alternantheras, red and yellow, $2 per $100; $15 per 1,000. R. Vincent, Jr. & Son, White Marsh, Md.

AMPELOPSIS.

Ampelopsis, best vars. Jackson & Perkins, Newark, N. Y.

ARAUCARIAS.

Araucarias, Excelsa, 12 to 14 ins., 5½-in. pots, 3 to 4 trs., 2-yr., 50c; 14 to 16 ins., 5½-in. pots, 3 to 4 trs., 2-yr., 60c; 16 to 18 ins., 5½ to 6-in pots, 4 to 5 trs., 3-year, 75c; 18 to 20 ins., 6-in. pots, 5 to 6 trs., 4-yr., $1; 20 to 24 ins., 6-in pots, 5 to 6 trs., 4-yr., $1.25; 36 to 50 ins., Specimen, 7-in. pots, 5 to 6 trs., 6-yr., $2.50 to $3. A. Compacta Robusta, 12 to 20 ins. high, 3 to 4 trs. 20 to 30 ins., 4 to 5-yr., 6 to 7-in., $1.25, $1.50, $1.75, $2 up to $3 each. A. Excelsa Glauca, 6 to 7-in pots, 3, 4 and 5 trs., 15 to 25 ins., $1.25, $1.50, $1.75, $2, $2.50 each. G. Aschmann, 1012 Ontario St., Philadelphia.

Araucaria Excelsa, 4-in., 2 to 3 trs., 35c each; $3 per doz.; 5-in., 3 trs., 75c each; $9 per doz.; 6-in., 3 to 4 trs., $1 each; $12 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Araucaria Excelsa. R. Dreyer, Woodside, L. I., N. Y.

Araucarias. L. Van Houtte Pere, Ghent, Belgium.

ASPARAGUS.

Asparagus plumosus, 2-in., $3 per 100; 3-in., $6. Sprengeri, 2-in., $3 per 100; 3-in., $6; 4-in., $1.25 per doz.; 5-in., $2. Scandens Defi, 3-in., $1.50 per doz.; 4-in., $2 per doz. George Wittbold Co., 1657 Buckingham Pl., Chicago.

Asparagus plumosus and Sprengeri, 4-in., $10; 3-in., $5; 2½-in., $2.50 per 100; $20 per 1,000. Seedlings, $10 per 1,000. Ludvig Mosbaek, Onarga, Ill.

Asparagus plumosus, from flats, $6 per 1,000; 3-in. $18 per 1,000. Sprengeri, from flats, $6 per 1,000. Yalaha Conservatories, Yalaha, Fla.

Asparagus, 2½-in., plumosus, $3.50 per 100; $30 per 1,000. Sprengeri, $3 per 100; $25 per 1,000. J. W. Dunford, Clayton, Mo.

Asparagus plumosus, 2½-in., 3c. Sprengeri, 3-in., 3c. Wm. B. Sands, Lake Roland, Baltimore, Md.

Asparagus plumosus, 2¼-in., $3 per 100. John Scott, Rutland Rd. and 45th St., Brooklyn, N. Y.

Asparagus plumosus, from 2¼-in., $2 per 100. W. T. Buckley Co., Springfield, Ill.

Asparagus plumosus, 2½-in., $2 per 100. Jos. H. Cunningham, Delaware, O.

Asparagus Sprengeri, 2-in., $1.50 per 100; $12.50 per 1,000. Plumosus, 2-in., $2.50 per 100; $20 per 1,000. Robustus, $3.50 per 100; $30 per 1,000. A. M. Herr, Lancaster, Pa.

Asparagus Sprengeri plants, just as they come from the flats, $1 per 100; $8 per 1,000 plants; also from 2¼-in. pots, $2 per 100. B. H. Haverland, Pleasant Run, Ohio.

Asparagus Sprengeri, 2-in., $2.20 per 100; $18 per 1,000. Plumosus, 2-in., $2.50 per 100; $22 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Asparagus Sprengeri, 2-in., $20 per 1,000. Plumosus, 2½-in., $30 per 1,000. E. G. Hill Co., Richmond, Ind.

Asparagus Sprengeri, 2-in., $2.50 per 100; plumosus, 2-in., $3 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus, Sprengeri and plumosus, 2½-in. Waldeck Bros., 1218 Oakton St., Evanston, Ill.

AZALEAS.

Azaleas. L. Van Houtte Pere, Ghent, Belgium.

Azaleas, Jacs Smits, Ltd., Naarden, Holland.

BAY TREES.

Bay trees, standards and pyramids. Julius Roehrs Co., Rutherford, N. J.

Bay trees, fine stock. R. Dreyer, Woodside, L. I., N. Y.

Bay trees. L. Van Houtte Pere, Ghent, Belgium.

BEGONIAS.

Begonia Gloire de Lorraine, and Turnford Hall, leaf cuttings, $15 per 100; $140 per 1,000; 4-in., pots, $40 per 100. J. A. Peterson, McHenry Ave., Westwood, Cincinnati, O.

Begonia Rex, 2½ and 3-in., $5 per 100. Nathan Smith & Son, Adrian, Mich.

Bougainvilleas, $2 each. J. J. Foley, 226 Bowery, New York.

Rex Begonias, 2½-in., $3 per 100; R. C., $1.50 per 100. V. H. Thomas, Augusta, Ky.

Begonias. L. Van Houtte Pere, Ghent, Belgium.

Begonia Rex, 2 and 2½-in., $5 per 100. Geo. M. Emmans, Newton, N. J.

Begonias, all varieties. Geo. A. Kuhl, Pekin, Ill.

BOUVARDIAS.

Bouvardias, pink and white, $8 per 100. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Bouvardias, Nanz & Neuner, Louisville, Ky.

BULBS, ROOTS, TUBERS.

Bulbs, French Romans, Paper White grandi, Japan Longiflorum, London Market Valley, Dutch hyacinths, tulips, narcissus, spirea, Callas 1¼ to 1¾-in., $5 per 100; $45 per 1,000; 1½ to 2-in., $7 per 100; $65 per 1,000. Freesias, Bermuda grown, ⅜ to ½-in., 85c per 100; $7.50 per 1,000; California grown, choice, ½ to ¾-in., 65c per 100; $5 per 1,000; 1st quality, ⅜ to ½-in., 45c per 100; $3 per 1,000; Vaughan's star-shaped white, $1.50 per 100; $12 per 1,000. Vaughan's Seed Store, Chicago and New York.

Bulbs, L. Harrisii, for early forcing, extra choice, 5 to 7-in bulbs, 400 to case, $17 per case; 6 to 7-in., 350 to case, $17.50; 7 to 9-in., 200 to case, $20; for Easter forcing, 6 to 7-in., 335 to case, $13.50 per case; Freesia Refracta Alba, $1 per 100; $7.50 per 1,000. Bermuda Buttercup Oxalis, $1 per 100; $7.50 per 1,000. N. Paper White Grandi, 13 Cm. and up, 1,250 to case, $11.25 per case; $1 per 100. White Roman hyacinths, 12 to 15 Cm., $2.50 per 100; $23 per 1,000. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Bulbs, freesias, greenhouse grown, no place to plant them, so must be sold, postpaid, as follows: 250, ½ to ¾-in., 60c per 100; $1.25 for the lot; 1,700, ⅜ to ½-in., 40c per 100; $2.50 per 1,000; 250 at 1,000 rate; 1,700 2-8 to nearly ¾-in., 20c per 100; $1 per 1,000. Cash. John Beimford, Wilton Junction, Iowa.

Bulbs, 1st size named single hyacinths, $5.50 per 100; 2nd size, $4 per 100; single unnamed, $2.25 per 100. Mammoth freesias, Refracta Alba, $8.50 per 1,000; Selected, $4.50 per 1,000. Holmes Seed Co., Harrisburg, Pa.

Bulbs, everything in bulb line, hyacinth, tulips, daffodils and crocus as specialties. W. J. Eldering & Son, Overveen, Haarlem, Holland.

Bulbs, home-grown freesias, large size, $1 per 100; $7 per 1000; blooming size, 75c per 100; $4.50 per 1,000; small blooming size, 50c per 100; $3.50 per 1,000. Stokes Seed Store, 219 Market St., Philadelphia.

Bulbs, Benguet forcing lily (L. Philippinensis), ¾ to 1-in., $45; 1¼ to 1½-in., $55; 1¾-in. and over $100 per $1,000, f. o. b. Manila. Mail samples, prepaid, $2, $3 and $5 per doz. Nagtagan Gardens Co., Manila, P. I.

Bulbs, L. Harrisii, R. hyacinths, P. W. narcissus, freesias, Weeber & Don, 114 Chambers St., New York.

Bulbs, P. W. Narcissus, 13 ctm., $1.25 per 100. Jos. H. Cunningham, Delaware, O.

Bulbs of all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs of all kinds. Currie Bros. Co., 308 Broadway, Milwaukee, Wis.

Bulbs of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Bulbs, 1,000 Calla Lily bulbs for sale cheap. R. D. Herr, Refton, Pa.

Caladiums. John Lewis Childs, Floral Park, L. I., N. Y.

Cannas of all vars. Dingee & Conard Co., West Grove, Pa.

Cannas in variety. Southern Floral Nursery Co., Fruitdale, Ala.

Iris, German, mixed vars., $2 per 100. James Vick's Sons, Rochester, N. Y.

Lily of the Valley, finest cold storage pips. H. N. Bruns, 1409-1411 W. Madison St., Chicago.

Lily of the Valley. Jacs Smits, Ltd., Naarden, Holland.

CARNATIONS.

CARNATIONS.

	100	1,000		100	1000
Pink.			White.		
Fiancee	$6		B. Market	$5	$45
Lawson	6	$50	F. Burki	7	60
N. Fisher	7	60	F. Hill	5	45
G. Angel	4	35	W. Cloud	5	45
M. Glory White.	4	35	Red and Crimson. Chicago	$5	$45
L. Peary	8	75	H'warden	6	50

Wietor Bros., 51 Wabash Ave., Chicago.

Carnations grown for my own use, but having sold greenhouses, must also sell plants, as follows: 126 Lawson, 45 Bountiful, 36 Hill, 120 Queen Louise, 19 Mrs. Patten, 50 Boston Market, 40 Joost, 255 G. Angel, 95 Glacier, 25 red, name not known, 45 No. 15 pink, ship any time during August you wish. Pay you to see them if not too far distant. John Beimford, Wilton Junction, Iowa.

Carnations, field-grown, Mrs. T. Lawson, $5 per 100; $45 per 1,000. W. Lawson, $6 per 100; $50 per 1,000. Wollcott, Prosperity, The Belle, Red Sport of Maceo, Queen, Patten, Elsie Martin, Harlowarden, Fiancee, $4 per 100; $35 per 1,000. Bountiful, Enchantress, $6 per 100; $55 per 1,000. Phyllis, $4 per 100. Cardinal, $6 per 100; $50 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Carnations, field-grown, L. Bountiful, Lieut. Peary, W. Lawson, Fiancee, Cardinal R. Lawson, Skyrocket, V. Lawson, $7 per 100; $60 per 1,000. Mrs. Lawson, Mrs. Patten, $6 per 100; $50 per 1,000. Glendale, Daybreak Lawson or Melody, $12 per 100; $100 per 1,000. Prosperity, Harlowarden, $5 per 100; $40 per 1,000. Chicago Carnation Co., Joliet, Ill.

Carnations, Lawson, Enchantress, Gov. Wolcott, Estelle, $6 per 100. B. Market, Norway, Hill, Lord, Lawson, $5 per 100; 1,000 rates $45 and $55. W. H. Gullett & Sons, Lincoln, Ill.

Carnations, Lawson, Harlowarden, $6 per 100. W. Cloud, Prosperity, Q. Louise, Crocker, Joost, $5 per 100. B. Market, $5.50 per 100. United States Cut Flower Co., Elmira, N. Y.

If you do not find what you need in our Ready Reference Department, write us about it

Carnations, field-grown, Lawson, B. Market, Estelle, $5 per 100; $40 per 1,000. Nelson, G. Angel, M. Glory, F. Hill, $4 per 100; $30 per 1,000. N. Fisher, Enchantress, $7 per 100; $60 per 1,000. Mrs. Patten, L. Bountiful, $6 per 100; $50 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

Carnations, field-grown Flamingo, 1st size, 6c; 2nd size, 5c. Glendale, Robert Craig, Victory, 1st size, 12c; 2nd size, 10c. Helen Goddard, John E. Haines, Pink Patten, 1st size, 12c. Nelson Fisher, 1st size, 7c; 2nd size, 6c. The Belle, 1st size, 8c; 2nd size, 6c. Mrs. Lawson, 1st size, 6c. Vaughan's Seed Store, Chicago and New York.

Carnations, Enchantress, Flamingo, $5.50 per 100; $50 per 1,000. N. Fisher, $6 per 100; $55 per 1,000. Prosperity, Harlowarden, Crane, $5 per 100; $45 per $1,000. M. Glory, Pink Lawson, Glacier, $4.50 per 100; $40 per 1,000. Blanksma Bros., R. F. D. 11, Grand Rapids, Mich.

Carnations, field-grown, Enchantress, $6.50 per 100; $60 per 1,000. Bountiful, $7 per 100. Lawson, $5 per 100; $45 per 1,000. B. Market, $4.50 per 100; $40 per 1,000. Q. Louise, $4 per 100; $35 per 1,000. Norway, $4 per 100; $30 per 1,000. J. W. Dunford, Clayton, Mo.

Carnations, Bountiful, $6 per 100; $55 per 1,000. Glacier, $5 per 100; $45 per 1,000. Mrs. T. Lawson, $5 per 100; $40 per 1,000. Enchantress, Flamingo, The President, D. Whitney, Eclipse, F. Burki, Fiancee, $6 per 100; $50 per 1,000. Eli Cross, Grand Rapids, Mich.

Carnations, field-grown, good, healthy stock, high land grown, Lawson, Prosperity, Enchantress, Queen Louise, Boston Market, Lady Bountiful, Joost, Crane, Estelle, Apollo. Thos. Salveson, Petersburg, Ill.

Carnations, field-grown, No. 1 stocky plants, 800 Lawson, 300 Mrs. Nelson, 1,000 Harlowarden, 1,000 Joost, 500 Norway. $5 per 100. William L. Rock Flower Co., Kansas City, Mo.

Carnations, field-grown, W. Lawson, $6 per 100. Roosevelt, Harlowarden, Q. Louise, Crisis, Flamingo, F. Burki Eclipse, $5 per 100; $45 per 1,000. W. Sabransky, Kenton, O.

Carnations, extra quality field-grown, Queen Louise and Pink Lawson, our specialty. Large, healthy plants, $5 per 100; $45 per 1,000. A. T. Lorch & Co., DeHaven, Pa.

Carnation plants from field for August delivery; Robert Craig, Mrs. M. A. Patten, Enchantress and Boston Market. J. D. Thompson Carnation Co., Joliet, Ill.

Carnations, Abundance, field-grown, 1st size, $12 per 100; $100 per 1,000; 2nd size, $10 per 100; $75 per 1,000. R. Fischer, Great Neck, L. I., N. Y.

Carnations, White Perfection, $12 per 100; $100 per 1,000; 50 at 100 rate; 250 at 1,000 rate. F. Dorner & Sons Co., La Fayette, Ind.

Carnations, strong field plants, Lawson, Enchantress, Queen, $5 per 100. D. W. Andrews, 76 Carmel St., New Haven, Conn.

Carnation Victory, field-grown, 1st size, $15 per 100; 2nd size, $12; 3rd size, $10. Guttman & Weber, 43 W. 28th St., New York.

Carnations, Enchantress, Lawson, Q. Louise, $5 per 100. Pittsburg Florists' Exchange, 228 Diamond St., Pittsburg, Pa.

Carnations, White Cloud, Ine, Sport, F. Hill, $3 per 100; $25 per 1,000. Waldeck Bros., 1218 Oakton St., Evanston, Ill.

Carnations, Enchantress, $6. Lawson, Lord, Q. Louise, Estelle, $5. Central Greenhouses, Sandusky, O.

Carnations, Lawson's mixed. Enchantress, 3c. John J. Foley, 226 Bowery, New York.

Carnations, Prosperity and G. Lord, $6 per 100. H. Weber & Sons Co., Oakland, Md.

Carnations, rooted cuttings, Bertha Roth. R. Dreyer, Woodside, L. I., N. Y.

Carnations, field-grown, standard vars. Leo. Niessen Co., 1217 Arch St., Philadelphia.

Carnations, Queen Louise, $4 per 100. Jos. H. Cunningham, Delaware, O.

Carnations, field-grown. Nanz & Neuner, Louisville, Ky.

Carnations, for fall delivery. Wood Bros., Fishkill, N. Y.

Carnations, field-grown. E. T. Grave, Richmond, Ind.

CALADIUMS.

Caladiums, fancy leaved. Geo. A. Kuhl, Pekin, Ill.

CHRYSANTHEMUMS.

LAST CALL FOR MUMS.
2-in. Stock.

100 Balfour, per 100, $2; 250 Duckham, $2; 500 McNewell, $2; 200 Dr. Enquehard, $2; 200 V.—Morrell, $2; 200 P. Plumridge, $3; 150 Appleton, $2; 500 Oct. Sunshine, $2; 200 Harrison Dick, $2; 100 M. Bonnaffon, $2; 200 Roi de Italia, $2; 100 Monrovia, $2; 300 Y. Mayflower, $2; 100 Omega, $2; 200 Y. Jones, $2; 100 G. Wedding, $2; 200 W. Mayflower, $2; 50 Wanamaker, $2; 200 Robinson, $2; 300 C. Touset, $5; 400 Chadwick, $3; 200 Lilly Mountiford, $2; 200 Kalb, $2; 100 Black Hawk, $2; 200 Intensity, $2; 400 Oakland, $2. Wietor Bros., 51 Wabash Ave., Chicago.

Chrysanthemums, G. of Pacific, Polly Rose, Soleil d'October, Robinson, Ivory, Appleton, Pink Ivory, $3 per 100. J. Jones, Mrs. Robt. McArthur, Mrs. Coombes, G. Wedding, Yellow Eaton, Monrovia, $4 per 100. Lady Roberts, A. J. Balfour, Wm. H. Chadwick, $6 per 100. Glenview, $25 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Chrysanthemums. Time yet to secure a crop of Xmas bloom; also a crop of dollars by planting the queen of late 'mums, Jeanne Nonin. Only a few thousand left of our immense stock, 4-in., 10c; 2½-in., 5c; R. C., 3c, and going fast. W. J. Olds, Union City, Pa.

Chrysanthemums. Our 4-in. Nonin, planted now, will make you $1 to $2 worth of bloom each for Christmas. Sure crop and sure money. 4-in., 10c; 2½-in., 5c; R. C., 3c. Union City Greenhouses, Union City, Pa.

Chrysanthemums, from 2½-in. pots, G. Pacific, Polly Rose, Halliday, J. K. Shaw, O. P. Bassett, Dr. Enguehard, Mrs. Coombes, $2 per 100. Henry F. Piggott, 2311 Pearl St., Cleveland, O.

Chrysanthemums, fine young plants from soil, $2 per 100. Chadwick, Yellow Eaton, Shaw, Ivory, Polly Rose, Willowbrook, Halliday. George Roy & Son, Belvidere, N. J.

Chrysanthemums, standard varieties, $2.50 per 100; $22.50 per 1,000. Nathan Smith & Son, Adrian, Mich.

Chrysanthemums, 5,000 best sort, 2½ in. pot plants. Benj. Connell, West Grove, Pa.

Chrysanthemums, 2½c. each. J. J. Foley, 226 Bowery, New York.

Christmas peppers, 3½-in., $4 per 100. J. W. Dunford, Clayton, Mo.

Chrysanthemum novelties. Chas. H. Totty, Madison, N. J.

Chrysanthemums, Wood Bros., Fishkill, N. Y.

CINERARIAS.

Cinerarias, $2 per 100. Jos. H. Cunningham, Delaware, O.

Cinerarias. Geo. A. Kuhl, Pekin, Ill.

CLEMATIS.

Clematis. Jackson & Perkins, Newark, N. Y.

COBOEA.

Coboea Scandens, 4-in., $8 per 100. Godfrey Aschmann, 1012 Ontario St., Philadelphia, Pa.

COLEUS.

Coleus, Golden Bedder, 2-in., extra strong plants. Geo. M. Brinkerhoff, Springfield, Ill.

CYCLAMENS.

Cyclamen. Geo. A. Kuhl, Pekin, Ill.

DAHLIAS.

Dahlias, Improved Countess of Lonsdale, cactus type, 6 for $1; $1.75 per doz., $12 per 100. Arthur T. Boddington, 342 W. 14th St., New York.

Dahlia roots. R. Vincent, Jr. & Son, White Marsh, Md.

Dahlias, all vars. D. Herbert & Son, Atco, N. J.

Dahlias, all vars. D. Herbert & Son, Atco, N. J.

DAISIES.

Daisies, white and yellow, $1 per 100; $8 per 1,000. C. Humfeld, Clay Center, Kan.

DEUTZIAS.

Deutzias, in variety. W. & T. Smith Co., Geneva, N. Y.

DRACAENAS.

Dracaena fragrans, 6-in., 75c each; $9 per doz.; 5-in., 50c each; $5 per doz.; D. indivisa, 2-in., $2.50 per 100; 6-in., 20 to 26 ins., 50c each; $5 per doz.; 7-in., 30 to 34, 75c each; $9 per doz. D. Mass., 8-in., $2 each; 9-in., $3 each. D. Ter., 4-in., 25c each; $3 per dozen; 5-in., 35c each; $4.20 per dozen. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Dracæna indivisa, 4 and 5-in., $10 and $25 per 100. Geo. M. Emmans, Newton, N. J.

Dracæna Ind., 3-in., $5 per 100. Ludvig Mosbaek, Onarga, Ill.

Dracaenas, John Lewis Childs, Floral Park, L. I., N. Y.

FARFUGIUMS.

Farfugium Grande, 3½-in., $10 per 100; 5-in., $15 per 100. Nanz & Neuner, Louisville, Ky.

FERNS.

Ferns, prepaid, Boston, 4-in., 18c; 5-in., 30c; 6-in., 45c; 8-in., $1.25; 10-in., $1.75. Pierson fern, 4-in., 20c; 5-in., 35c; 6-in., 50c; 8-in., $1.50; 10-in., $2 each. Anna Foster, same prices as Pierson fern. N. Wittboldi and N. Washingtoniensis, 2½ in., 6c; 3-in., 12c; 4-in., 25c; 6-in., 50c; 8-in., $2 each. N. Barrowsii, 2½-in., 8c; 3-in., 25c; 4-in. 40c; 6-in., 75c; 8-in., $2.50; 10-in., $4 each. N. Whitmani, 2½-in., 25c; 4-in., 60c; 6-in., $1.25 each. N. Elegantissima, 2½-in., 8c each. B. N. Wichers & Co., Gretna, La.

Ferns, Adiantum Capillus, 5-in., $2 per doz.; Adiantum gracillimum, 4-in., $1.25 per doz.; $10 per 100. Boston, 4-in., $1.50 per doz.; 5-in., $3; 6-in., $4.20; 6-in., strong, $6; 7-in., $9. Large specimens, $1.50, $2, $3 each. Assorted ferns for dishes, $3 per 100; $25 per 1,000. Scottii, 10-in., $2 each. Fern Balls, 7 to 9 dormant or in leaf, $4.20 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Ferns, Anna Foster, Boston, Piersoni and Sword, 6-in., $30 per 100; $4 per doz.; 4-in., $15; 3-in., $8. Elegantissima, 4-in., $50; 3-in., $20; 2¼-in., $12 per 100. Boston and Piersoni runners, $30 per 1,000. Ludvig Mosbaek, Onarga, Ill.

Jardiniere Ferns, seedlings, good, strong, healthy stock, in variety only. Now ready for potting. Price, $1.50 per 100 by mail; $10 per 1,000 f. o. b., express. B. Soltau, 199 Grant Ave., Jersey City, N. J.

Ferns, Scottii, small plants from benches, $5 per 100; $50 per 1,000. Plants for 6-in. pots, $25 per 100; plants for 7 and 8-in. pots, $50 per 100. John Scott, Rutland Rd. and 45th St., Brooklyn, N. Y.

Ferns, assortment for dishes, 2½-in., $5 per 100. Barrowsii, 4-in., 25c; 6-in., 75c. Scottii, 4-in., 25c; 5-in., 40c; 6-in., 50c. G. Aschmann, 1012 Ontario St., Philadelphia.

Ferns, from bench, Boston and Piersoni, 4-in., 10c; 5-in., 12½c. Tarrytown, 4-in., 15c; 5-in., 25c. Scottii, 3-in., 8c; 4-in., 12½c. Byer Bros., Chambersburg, Pa.

Ferns, Adiantum Farleyense, specimens, $18 to $24 per doz.; 1¾-in., $8 per 100; 2½-in., $15 per 100. J. A. Peterson, McHenry Ave., Westwood, Cin., O.

If you do not find what you need in our Ready Reference Department, write us about it.

Ferns, N. Whitmani, 2¼-in., $25 per 100. Boston, 2¼-in., $3 per 100. H. H. Barrows & Sons, Whitman, Mass.

Ferns, Whitmani, $25 per 100; $200 per 1,000. S. S. Skidelsky, 824 N. 24th St., Philadelphia.

Ferns, Boston, 5-in., 30c each. Pierson, 6-in., 50c each. Geo. M. Emmans, Newton, N. J.

Ferns, Piersoni, Scotti, Barrowsii, Elegantissima. Geo. A. Kuhl, Pekin, Ill.

Ferns, Boston, 2½-in., $4 per 100. Nanz & Neuner, Louisville, Ky.

Ferns, all leading varieties. R. Dreyer, Woodside, L. I., N. Y.

FICUS.

Rubber plants, from 4-in. pots, Metairie Ridge Nursery Co., New Orleans, La.

Ficus Elastica, 4-in., 25c. G. Aschmann, 1012 Ontario St., Philadelphia.

Ficus. Geo. A. Kuhl, Pekin, Ill.

GERANIUMS.

Geraniums, from 2-in. pots, Alliance, Lemoine 1905, 25c each; $2 per doz. Fleuve Blanc, $1.50 per doz.; $10 per 100. Cactus, 4 vars., $2 per doz.; $15 per 100. Double Dryden, $1 per doz.; $5 per 100. Nutt Le Pilote, Poitevine, Mme. Barney, Centaure, Kendall, Mme. Jaulin, Viaud, Mme. Charotte, 40c per doz.; $2 per 100; $18 per 1,000. Ville de Poitiers, M. de Castellane, Berthe de Presilly, M. Jolly de Bammeville, T. Meehan, 50c per doz.; $3 per 100; $25 per 1,000. R. Vincent, Jr. & Son, White Marsh, Md.

Geraniums, S. A. Nutt, Castellane, John Doyle, Perkins, Double Gen. Grant, La Favorite, Poitevine, Mme. Salleroi, 2-in. pots, $2 per 100; 3-in. pots, $4 per 100. R. C., $1 per 100. Geo. M. Emmans, Newton, N. J.

Geraniums, from 2½-in. pots, $1.50 per 100; $14 per 1,000. B. Poitevine, Mrs. E. G. Hill, Nutt, Mme. Buchner, W. T. Buckley Co., Springfield, Ill.

Geraniums, stock plants, standard vars., $6 per 100; $50 per 1,000. Ludvig Mosbaek, Onarga, Ill.

Geraniums, leading varieties. A. M. Herr, Lancaster, Pa.

GLOXINIAS.

Gloxinias. L. Van Houtte Pere, Ghent, Belgium.

Gloxinias. Geo. A. Kuhl, Pekin, Ill.

GREENS.

Greens, dagger and fancy ferns, $1 per 1,000. Bronze and green galax, $1 per 1,000; 10,000 lots, $7.50. Bouquet green, per 100 yds. $7. Laurel festooning, 5c and 6c per yd. Laurel wreaths, $3 per doz.; branch laurel, per bunch, 50c. Boxwood, per lb., 20c. Leucothoe sprays, per 100, $1. Green and Sphagnum moss, $1 per barrel. Lyrata (new). H. M. Robinson & Co., 8 Province St., Boston, Mass.

Greens, new decorative green branches of the Huckleberry tree. New crop hardy ferns, fancy, $1.25 per 1,000; dagger, $1 per 1,000. Caldwell The Woodsman Co., Evergreen, Ala.

Greens, galax, leaves, ferns and leucothoe sprays, holly. Princess pine, all kinds of evergreens. Galax leaves $1 per 1,000. N. Lecakes & Co., 53 W. 28th St., New York.

Greens, cut palmetto and cycas palm leaves, galax, leucothoe, ferns, mosses and all decorating evergreens. The Kervan Co., 20 W. 27th St., New York.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 50 W. 28th st., New York.

Greens, fancy or dagger, ferns, 75c per 1,000. Sphagnum moss, 50c per bale. Thos. Collins, Hinsdale, Mass.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. A. J. Fellouris, 52 W. 28th St., New York.

Greens, fancy ferns, $1 per 1,000. Galax, $1.25. Michigan Cut Flower Ex., 38 Miami Ave., Detroit, Mich.

Greens, fancy or dagger ferns, 75c per 1,000. Hinsdale Fern Co., Hinsdale, Mass.

Greens, fadeless sheet moss. E. A. Beaven, Evergreen, Ala.

HIBISCUS.

Hibiscus Syriacus Meehanii. P. J. Berckmans Co., Inc., Augusta, Ga.

HOLLYHOCKS.

Hollyhock, Myosotis, Pansies all seeds. Hasslach & Roumanille, seed growers, St. Remy de Provence, France.

HONEYSUCKLES.

Honeysuckles, 4-in. pots, $8 per 100. George Wittbold Co., 1657 Buckingham Pl., Chicago.

HYDRANGEAS.

Hydrangea Otaksa, field-grown, $1.50 and $2 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Hydrangeas, best vars. Jackson & Perkins, Newark, N. Y.

IVY.

Ivy, hardy English, $2 per 100; $15 per 1,000. R. Vincent Jr. & Son, White Marsh, Md.

JERUSALEM CHERRIES.

Jerusalem Cherries, 2½-in., $5 per 100. G. Aschmann, 1012 Ontario St., Philadelphia.

Jerusalem Cherries, 2½-in., $2 per 100. Byer Bros., Chambersburg, Pa.

MARANTAS.

Maranta Lietzii, 2½-in., $1 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

MUSHROOM SPAWN.

Mushroom Spawn, "Pure Culture" spawn, and importers of English mushroom spawn. Knud Gundestrup & Co., 4273 Milwaukee Ave., Chicago.

Mushroom spawn, Columbia, Alaska, Bohemia. Cochran Mushroom & Spawn Co., 911 Chemical Bldg., St. Louis, Mo.

Mushroom Spawn, superior strains of Pure Culture Spawn. E. L. Hess, 604 La Salle Ave., Chicago.

Mushroom spawn, English and pure culture. Weeber & Don, 114 Chambers St., New York.

Mushroom spawn, frequent importations from England. J. J. Styer, Concordville, Pa.

MYRTLE.

Myrtle, creeping, 2¼-in., $2.50 per 100; $20 per 1,000. Ludvig Mosbaek, Onarga, Ill.

NURSERY STOCK.

Nursery stock, hothouse, grape vines, fine, strong 2 and 3-year-old canes, Black Hamburg, Muscat, Alexander and other varieties. Rose Hill Nurseries, New Rochelle, N. Y.

Nursery stock, shade trees, fruit trees, small fruits, shrubs, clematis, Barberry Thunbergii. W. & T. Smith Co., Geneva, N. Y.

Nursery stock, trees and shrubs. Price list on application. Peterson Nursery, 503 W. Peterson Ave., Chicago.

Nursery stock, large trees, oak, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, evergreen and deciduous flowering shrubs and vines. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, pot-grown shrubs, conifers and ornamental stock. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, plants and shrubbery of all kinds. Dingee & Conard Co., West Grove, Pa.

ORCHIDS.

Orchids, C. Dowiana, C. gigas, C. Mossiæ, C. Percivaliana, C. speciosissima, C. Eldorado, C. superba, C. labiata, C. Leopoldii. Lager & Hurrell, Summit, N. J.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England; New York office, room 1, 235 Broadway.

Orchids, C. Trianae. J. De Buck, Box 78, College Point, L. I., N. Y.

PALMS.

Palms, Areca lutescens, 5-in., 50c each; $5 per doz. Cocos, 2½-in., $1.50 to $1.75 per doz.; C. Bonetti, specimens, $40 each. Kentia Bel. 3-in., $2 per doz.; 4-in., $3.60 per doz.; 5-in., 60c each, $7.20 per doz.; 6-in., xx, $1.25 each, $15 per doz.; 7-in., $2.50 each, $30 per doz.; Kentia Fors., 5-in., 60c each, $7.20 per doz.; 6-in., $1.25 each, $15 per doz.; 7-in, $2 each, $24 per doz. Phoenix Can., 2-in., $1 per doz., 5-in., $5 per doz.; 10-in., $3 each; large specimens, $25 to $30 each. Phoenix Recli., 3½ in., $2 per doz.; 4-in., $3 per doz.; 6-in., 50c each, $6 per doz., 7-in., 75c each. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Palms, Kentia Fors., 6-in. pots, 35 to 40 ins., $1.25; $1.50; 30 to 35 ins., 4-yr., $1; 5½-in., 25 to 30, 3-yr., 75c; 4-in. made-up, 3 plants to pot, 18 to 20 ins., 25c to 30c. K. Bel., 6-in., 5 to 6 leaves, 30 to 35 ins., $1.25; 5½ to 6-ins., 5 to 6 leaves, 75c to $1. K. Fors., 7-in., made-up, 22 to 24 ins., $2 each. Cocos Wed., 15c. Areca Lutescens, made-up, 4-in. pots, 25c. Cycas Revoluta, 6 to 7-in., 7 to 20 leaves, 10c per leaf. G. Aschmann, 1012 Ontario St., Philadelphia.

Palms, Phoenix Rœbelenii, seedlings, $5 per 100; $40 per 1,000; $350 per 10,000; 4-in., 1 ft. high, 12 to 15 lvs., $1 each; $80 per 100; $750 per 1,000; 7-in., 2 to 2½ ft. high, $5 each; $40 per 10; $350 per 100; specimens, $7.50 and $10. John Lewis Childs, Floral Park, L. I., N. Y.

Palms, Latania Borb., 2¼-in., $4 per 100; 4½-in., $25 per 100; 5-in., $30 per 100. Kentia Bel., 3½-in., $20 per 100; 4¾-in., $30 per 100. Nanz & Neuner, Louisville, Ky.

Palms, Latania Borbonica, from 4-in. pots. Metairie Ridge Nursery Co., New Orleans, La.

Palms, The Royal of Cuba, $2 per 1,000. Yalaha Conservatories, Yalaha, Fla.

Palms, Kentia and Latania, 3-in., $15 per 100. Ludvig Mosbaek, Onarga, Ill.

Palms of all kinds. R. Dryer, Woodside, L. I., N. Y.

Palms. L. Van Houtte Pere, Ghent, Belgium.

PANDANUS.

Pandanus Veitchii, 50c, $1, $1.50 and $2.50 each. J. A. Peterson, McHenry Ave., Westwood, Cin., O.

PEONIES.

Peonies, Queen Victoria, $9 per 100. Festiva Maxima, $30 per 100; Fragrans, $6 per 100. G. H. Wild, Sarcoxie, Mo.

Peonies. Wholesale grower of the best varieties. J. F. Rosenfield, West Point, Neb.

Peonies a specialty. Peterson Nursery, 503 W. Peterson Ave., Chicago.

Peonies, over 100 named vars. F. A. Baller, Bloomington, Ill.

Peonies, all varieties. Jackson & Perkins, Newark, N. Y.

Peonies, all vars. Jacs Smits, Ltd., Naarden, Holland.

Peonies. W. & T. Smith Co., Geneva, N. Y.

PEPPERS.

Celestial peppers. Geo. A. Kuhl, Pekin, Ill.

POINSETTIAS.

Poinsettias, 2½-in., $4 per 100; 3-in., $6 per 100. Julius Wolfe, 1617 N. 19th St., Philadelphia.

Poinsettias, 2½-in., $5 per 100. Thos. Salveson, Petersburg, Ill.

PRIMULAS.

Primroses, obconica, fimbriata, alba, rosea, lilac, carmine, $2 per 100. Obconica, dbl., $3 per 100. Mixed, 2-in., 2c. Byer Bros., Chambersburg, Pa.

Primroses, Chinensis, $2 per 100; Obconica alba and rosea, $2 per 100; Forbesii, $2 per 100. Jos. H. Cunningham, Delaware, Ohio.

Primrose, Baby, 2½-in. pots, 4c each. The Dingee & Conard Co., West Grove, Pa.

If you do not find what you need in our Ready Reference Department, write us about it.

PRIVET.

Privet, California, the best. R. Dreyer, Woodside, L. I., N. Y.

RHODODENDRONS.

Rhododendrons. Jacs. Smits, Ltd., Naarden, Holland.

ROSES.

Roses, Richmond, 2½-in., $5 per 100; $40 per 1,000; 3½-in., $6.50 per 100; $55 per 1,000. Beauty, 3-in., $5 per 100; $40 per 1,000; 3½-in., $6.50 per 100; $55 per 1,000. Bride Maid, 3½-in., $5 per 100; $45 per 1,000. Chatenay, Uncle John, 2½-in., $3.50 per 100; $30 per 1,000; 3½-in., $5 per 100; $45 per 1,000. G. Gate, 2½-in., $3.50 per 100; $30 per 1,000; 3½-in., $4.50 per 100. Kaiserin, 2½-in., $3.50 per 100; $30 per 1,000. Sunrise, 3½-in., $5.50 per 100; $50 per 1,000. Perle, 3½-in., $6 per 100; $55 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Roses, Richmond, 2½-in., $5 per 100; $40 per 1,000; 3-in., $6 per 100; $50 per 1,000. Kaiserin, 3-in., $4 per 100; $35 per 1,000. Am. Beauty, 2½-in., $6 per 100; $50 per 1,000; 3-in., $7 per 100; $60 per 1,000. Liberty, 2½-in., $3 per 100; $25 per 1,000. Sunrise, 2½-in., $5 per 100; $40 per 1,000. Chatenay, 2½-in., $4 per 100; $35 per 1,000. Ivory, 2½-in., $2.50 per 100; $22.50 per 1,000. Perle, 2½-in., $4 per 100; $35 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

Roses, 2½-in. pots, Cr. Rambler, Wood, La France, Meteor, G. Gate, Notting, $2.50 per 100; $20 per 1,000. Diesbach, Masson, Laing, Caprice, $3 per 100; $25 per 1,000. 4-in. pots, own root, Baby Rambler, $20 per 100; Crimson Rambler, $6 per 100; Charta, Masson, Diesbach, Wood, $7 per 100; Neyron, Laing, $8 per 100. Leedle Floral Co., Springfield, O.

Roses, grafted, Killarney, 3½-in. pots, $18 per 100. Liberty, Kaiserin, Maids, Wootton, 3½-in., $15 per 100. Own root, Richmond, Perle, 3-in., $8 per 100. Bride, Maid, G. Gate, Kaiserin, Liberty, Wootton, 3-in., $6 per 100. J. L. Dillon, Bloomsburg, Pa.

Rose plants, Beauties, 3-in. pots, $6 per 100; Chatenay, 3-in. pots, $4 per 100; Bride and Maids, 4-in. pots, $5 per 100. This stock is first-class in every respect and we guarantee satisfaction. Wm. L. Rock Flower Co., Kansas City, Mo.

Roses, Richmond, 3-in., $8 per 100; $70 per 1,000. Maid, 4-in., $5 per 100; $45 per 1,000. Killarney, 3-in., $8 per 100. Perle, 3-in., $4 per 100. C. H. Totty, Madison, N. J.

Roses, 2½ and 3-in. rose pots, Am. Beauty, Bride, Meteor, G. Gate, Chatenay, Richmond, Maid, Ivory, Perle, Souv. Wootton, Kaiserin. Geo. A. Kuhl, Pekin, Ill.

Roses, Richmond, own root, 3-in., $50 per 1,000. Chatenay, 2½-in., $25 per 1,000. Maid, 3-in., $40 per 1,000; 2½-in., $25 per 1,000. E. G. Hill Co., Richmond, Ind.

Roses, 3-in., Bride, Maid, Meteor, Richmond, Chatenay, $3 per 100. Bride, Maid, Richmond, 2½-in., $2 per 100. W. H. Gullett & Sons, Lincoln, Ill.

Rose, Queen Beatrice, finest forcing pink, to be disseminated spring if 1907. F. H. Kramer, 916 F St., N. W., Washington, D. C.

Roses, from 2½-in. pots, Ivory, G. Gate, Bride, Maid, Chatenay, Mrs. J. W. Crouch, 709 Market St., Chattanooga, Tenn.

Roses, Beauty, 3-in.; Chatenay, 3½-in., U. John, 3½-in., $5 per 100; $45 per 1,000. Lamborn Floral Co., Alliance, O.

Roses, Liberty, 3-in., $5 per 100; 2¼-in., $4. Leo Niessen Co., 1217 Arch St., Philadelphia.

Roses, 2½-in., C. Rambler, etc., $2 per 100; $15 per 1,000. C. M. Niuffer, Springfield, O.

Roses, over 1,000 vars. on own roots, all sizes. Dingee & Conard Co., West Grove, Pa.

Roses, field-grown for forcing. W. & T. Smith Co., Geneva, N. Y.

Roses, Bride, Maid, 3-in., $5 per 100. Ludvig Mosbaek, Onarga, Ill.

Roses, field, own roots. California Rose Co., Pomona, Cal.

Roses, climbing plants. Jacs Smits, Ltd., Naarden, Holland.

Roses, leading vars. Jackson & Perkins, Newark, N. Y.

Roses, from 3-in. pots. Wood Bros., Fishkill, N. Y.

SANSEVIERIAS.

Sansevieria Jav. Var., 4-in., $2 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

SANTOLINAS.

Santolinas, 2½-in., $2.50 per 100. Extra fine for borders and bedding. Geo. M. Brinkerhoff, Springfield, Ill.

SEEDS.

Seeds, pansy, Vaughan's giant named varieties: Giant White, tr. pkt., 10c; ⅛ oz., 20c; oz., $1.20. Aurora, tr. pkt., 10c; ⅛ oz., 20c; oz., $1.30. Adonis, tr. pkt., 10c; ⅛ oz., 20; oz., $1.20. Auricula colors, tr. pkt., 10c; ⅛ oz., 20c; oz., $1.25. Black, tr. pkt., 10c; ⅛ oz., 20c; oz., $1.25. Beaconfield, tr. pkt., 10c; ⅛ oz., 20c; oz., $1.20. Freya, tr. pkt., 10c; ⅛ oz., 20c; oz., $1.30. Mme. Perret, tr. pkt., 20c; ⅛ oz., 50c; oz., $2. Pres. Carnot, tr. pkt., 10c; ⅛ oz., 25c; oz., $1.60. Pres. McKinley, tr pkt., 10c; ⅛ oz., 25c; oz., $2. Pink, tr. pkt., 10c; ⅛ oz., 25c; oz., $2. Purple, tr. pkt., 10c; ⅛ oz., 20c; oz., $1. Violet Blue, tr. pkt., 10c; ⅛ oz., 20c; oz., $1. Striped, tr. pkt., 10c; ⅛ oz., 20c; oz., $1.20. Parisian striped, tr. pkt., 10c; ⅛ oz., 20c; oz., $1.30. Purple King, tr. pkt., 10c; ⅛ oz., 25c; oz., $1.50. Boulogne Giants, tr. pkt., 50c. Rosy Morn, tr. pkt., 25c; ⅛ oz., 60c. Marechal Niel, pkt., 10c. Siegfried, tr. pkt., 25c. Giant Volcano, tr. pkt., 25c. Giant Diana, tr. pkt., 10c; ⅛ oz., 25c; oz., $1.50. Atrosanguinea, tr. pkt., 10c; ⅛ oz., 25c; oz., $1.50. Emperor William, tr. pkt., 10c; ⅛ oz., 20c; oz., $1.25. Yellow, 4 oz., $4.25; tr. pkt., 10c; ⅛ oz., 20c; oz., $1.25. Cassier, 3 spotted, tr. pkt., 10c; ⅛ oz., 20c; oz., $1.20; 5 spotted, tr. pkt., 25c; ⅛ oz., 45c; oz., $3. Bugnot, tr. pkt., 25c; ⅛ oz., 60c; oz., $4.50. Giant Bridesmaid, tr. pkt., 25c; ⅛ oz., 45c; oz., $2.60. Giant, Psyche, tr. pkt., 25c; ⅛ oz., 70c; oz., $5. Giant Pretiosa, tr. pkt. (250 seeds), 25c; ⅛ oz., 35c; oz., $2.50. Special mixtures: International mixture, oz., $10; ½ oz., $5; ⅛ oz., $1.50; tr. pkt., 50c. Giant mixture, ¼ lb., $14; oz., $4; ⅛ oz., 60c; tr. pkt., 25c. Premium mixture, per pkt., 25c; ⅛ oz., 80c; ½ oz., $3; oz., $5.50. New Giant Curled, tr. pkt., 50c; ⅛ oz., 75c; ¼ oz., $1.35; oz., $5. Chicago Parks Bedding, pkt., 10c; ¼ oz., 30c; oz., 75c; 4 ozs., $2.50. Elite mixture, tr. pkt., 50c; ⅛ oz., $1. New Orchid-flowered, tr. pkt., 250 seeds, 25c. Improved German, per large pkt., 10c; ⅛ oz., 20c; ¼ oz., 30c; oz., $1. Cut Flower mixture, tr. pkt., 25c; ¼ oz., 80c; oz., $5.50. Vaughan's Seed Store, Chicago and New York.

Seeds, giant-flowered cyclamen, German strain, white, dark crimson, Rosa von Marienthal, dark rose, white with carmine eye, white fringed, Rubin, per 1000 seeds, $5; per 100, 65c. Salmon, 100 seeds, $1.50. Giant flowered mixed, 100 seeds, 50c 250, $1.15; 1,000, $4.50; 5,000, $20. Giant orchid-flowered, white, red, pink, white with carmine eye, lilac, each, 100 seeds, $1; 1,000, $9; orchid-fld., mixed, 25 seeds, 25c; 100, 85c; 1,000, $8. Rokoko, colors and mixed, 100 seeds, $2.50; 50, $1.35. New English grown, Rosy Morn, Picturatum, Grandi. Album, Excelsior, Princess May, Princess of Wales, Mauve Queen, Duke of Connaught, Duke of Fife, Salmon Queen, 100 seeds, $1; 1,000, $9 net. Fimbriatum, 100 seeds, $2.50. Vaughan's Seed Store, Chicago and New York.

Seeds, Asparagus, A. plumosus nanus. Northern greenhouse grown seed, 100 seeds, 60c; 250 seeds, $1.15; 1,000 seeds, $4.50. Southern greenhouse grown, 1,000 seeds, $2.50; 5,000 seeds, $10. A. plumosus robustus, 100 seeds, $1; 1,000 seeds, $9. Decumbens, 100 seeds, 50c; 1,000 seeds, $4. Comorensis, 100 seeds, $1. 1,000 seeds, $7.50. Cash discount 2 per cent. Vaughan's Seed Store, Chicago and New York.

Seeds, California seeds, Cosmos, tall, pink, white or yellow, per lb., $1.50. Nasturtiums, tall, Jupiter or Croesus, per lb., 40c. Sweet peas, separate colors, per lb., 20c; California Giants, mixed, per lb., 18c. Petunias, Giants of California, ⅛ oz., $3. F. Gilman Taylor Seed Co., Glendale, Cal.

Seeds, Rawson's Continental, cyclamen, white, pink, red, white with claret base and mixed, 50c per 100 seeds; $4 per 1,000; Salmon pink, $2 per 100 seeds; $15 per 1,000. W. W. Rawson & Co., 5 Union St., Boston.

Seeds, L. C. Nungesser, Griesheim near Darmstadt, Germany, exporter and importer. Specialties: Selected grass and clover seeds, alfalfa of Province and Turkestan, free from dodder and cuscuta. Crimson clover.

Seeds, Brown's Giant, prize pansies, mixed, 3,000 seeds, $1; ¼ oz., $1.50 ½ oz., $2.50; 1 oz., $5; ¼ lb., $14; ½ lb., $25; lb. $50. Peter Brown, 124 Ruby St., Lancaster, Pa.

Seeds, cineraria, large fld., mixed and semi-dwf. mixed, tr. pkt., 50c. Pansy mixed, oz., $4.50; ¼-oz., $1.15; ⅛-oz., 60c. W. C. Beckert, 103 Federal St., Allegheny, Pa.

Seeds, pansy, new crop. $1 per packet; $4 per oz.; $12 per ¼ lb. Pansy plants, $4 per 1,000. Cash. E. Soltau, 199 Grant Ave., Jersey City, N. J.

Seeds, pansy, exhibition strain, tr. pkt., 30c; ⅛ oz., 60c; ¼ oz., $1; oz., $4. Holmes Seed Co., Harrisburg, Pa.

Seeds of all kinds, specialties. Onion, carrot, lettuce, sweet peas. Pacific Seed Growers' Co., 411 Sansome St., San Francisco, Cal.

Seeds, Florists' Inter. Pansy Mixture, oz., $6; ⅛ oz., 75c; Giant mixture, oz., $4; ⅛ oz., 75c. Ludvig Mosbaek, Onarga, Ill.

Seeds; prize pansy, tr. pkts., $1; Giant Market, 2,000 seeds; Giant Fancy, 600 seeds. A. Zirngiebel, Needham, Mass.

Seeds, all kinds of vegetable and flower seeds. C. C. Morse & Co., 171 Clay St., San Francisco, Cal.

Seeds, choice strains, cineraria, calceolaria, cyclamen, pansy, petunia, etc. Jas. Vick's Sons, Rochester, N. Y.

Seeds, asparagus plumosus, $3.50 per 1,000 seeds. J. M. Thorburn & Co., 33 Barclay st., New York.

Seeds, pansy, best English strain, $2 per oz. mailed. Bedfordshire Seed Co., Ltd., Sandy, England.

Seeds, high grade grass, clover and tree seeds. Conrad Appel, Est., 1789, Darmstadt, Germany.

Seeds, 5,400 acres of garden seeds in cultivation. Braslian Seed Growers' Co., San Jose, Cal.

Seeds, pansy, 1,000 seeds, mixed, 25c; 1 oz., $2.25. H. Wrede, Luneburg, Germany.

Seed, pansy, large flowering, per oz., $4. Jos. H. Cunningham, Delaware, O.

Seeds of all kinds. A. T. Boddington, 342 W. 14th St, New York.

Seeds of all kinds. Stokes Seed Store, 219 Market St., Philadelphia.

Seeds, W Atlee Burpee Co., Philadelphia, Pa.

SELAGINELLAS.

Selaginella Denticulata, 3-in., $1 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

SMILAX.

Smilax, 3-in., $4 per 100; 2½-in., $2.50; early strings. W. H. Gullett & Sons, Lincoln, Ill.

Smilax, extra strong, twice cut back, $1.25 per 100; $10 per 1,000. J. C. Murray, Peoria, Ill.

Smilax, $2 per 100; $15 per 1,000. R. Vincent, Jr. & Son, White Marsh, Md.

Smilax, 2-in. pots, $1 per 100; $9 per 1,000. W. T. Buckley Co., Springfield, Ill.

Smilax, $1 per 100; $9 per 1,000. Jos. H. Cunningham, Delaware, O.

Smilax, $1.50 per 100; $12.50 per 1,000. A. M. Herr, Lancaster, Pa.

If you do not find what you need in our Ready Reference Department, write us about it.

Smilax, from 2-in. pots, $2.50 per 100. Eli Cross, Grand Rapids, Mich.

Smilax, 2½-in. pots, $1.50 per 100. J. L. Dillon, Bloomsburg, Pa.

Smilax, 2½-in., $1 per 100. V. H. Thomas, Augusta, Ky.

Smilax. Wood Bros., Fishkill, N. Y.

Smilax. Geo. A. Kuhl, Pekin, Ill.

SNAPDRAGONS.

Snapdragons, 3½-in., $5 per 100; $45 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

SPIREAS.

Spirea Van Houttei. W. & T. Smith Co., Geneva, N. Y.

Spireas. Jacs Smits, Ltd., Naarden, Holland.

VIOLETS.

Violets, Princess of Wales, $2 per 100; $15 per 1,000; 500 at 1,000 rates; 5,000 lots at $14 per 1,000; 10,000 lots, $13 per 1,000. Wm. Sim, Cliftondale, Mass.

Violets, Gov. Herrick, new single violet, good keeper; rooted cuttings, $2 per doz.; $10 per 100; $75 per 1,000; 5,000 or more, $60 per 1,000. H. R. Carlton, Willoughby, O.

Violets, Gov. Herrick, 2½-in., $10 per 100; $80 per 1,000. W. A. Calhoun, 3226 Euclid Ave., E. Cleveland, O.

Violets, 2,000 Imperial, 2¼-in., $3 per 100; $25 per 1,000. W. F. Kasting 383 Ellicott St., Buffalo, N. Y.

Violets, California and Swanley White, field clumps, $5 per 100; $45 per 1,000. Nathan Smith & Son, Adrian, Mich.

Violets, California, 3½-in., $4 per 100. J. W. Dunford, Clayton, Mo.

Violets. Wood Bros., Fishkill, N. Y.

WHOLESALE CUT FLOWERS.

Commission Dealers.

Allen, J. K., 106 W. 28th St., New York.

Amling, E. C., 32-36 Randolph St., Chicago.

Berning, H. G., 1402 Pine St., St. Louis.

Cleveland Cut Flower Co., 215 Huron road, Cleveland, O.

Deamud, J. B., Co., 51 Wabsh Ave., Chicago.

Flower Growers' Market, 60 Wabash Ave., Chicago.

Ford Bros., 48 W. 28th St., New York.

Froment, Horace E., 57 W. 28th St., New York.

Guttman, Alex. J., 43 W. 28th St., N. Y.

Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Henshaw, A. M., 52 W. 28th St., New York.

Horan, Edward C., 55 W. 28th St., N. Y.

Hunt, E. H., 76 Wabash Ave., Chicago.

Kennicott Bros. Co., 40-44 Randolph St., Chicago.

Kessler, Phil. F., 55 W. 26th St., N. Y.

Kuehn, C. A., 1122 Pine St., St. Louis.

Langjahr, Alfred H., 55 W. 28th St., New York.

McCullough Sons Co., J. M., 316 Walnut St., Cincinnati, O.

McKellar, Chas. W., 51 Wabash Ave., Chicago.

McKissick, W. E., 1221 Filbert St., Phila.

Michigan Cut Flower Exchange, 38-40 Miami Ave., Detroit, Mich.

Murdoch, J. B. & Co., 545 Liberty Ave., Pittsburg, Pa.

N. Y. Cut Flower Ex., Coogan Bldg., 6th Ave. and W. 26th St., New York.

Niessen Co., Leo, 1217 Arch St., Phila.

Pennock, S. S., Philadelphia.

Pittsburg Cut Flower Co., Ltd., 504 Liberty Ave., Pittsburg, Pa.

Pittsburg Florists' Exchange, 217-223 Diamond St., Pittsburg, Pa.

Pollworth, C. C. Co., Milwaukee, Wis.

Randall, A. L. Co., 19 Randolph St., Chicago.

Raynor, John I., 49 W. 28th St., N. Y.

Rice Bros., 128 N. 6th St., Minneapolis, Minn.

Seligman, John, 56 W. 26th St., N. Y.

Sheridan, Walter F., 39 W. 28th St., New York.

Traendley & Schenck, 44 W. 28th St., New York.

Vaughan & Sperry, 58-60 Wabash Ave., Chicago.

Welch Bros., 15 Province St., Boston.

Winterson, E. F. Co., 45-49 Wabash Ave., Chicago.

Young, A. L. & Co., 54 W. 28th St., New York.

Young, Thos., 43 W. 28th St., N. Y.

Zech & Mann, 51 Wabash Ave., Chicago.

Growers.

Bassett & Washburn, 76-78 Wabash Ave., Chicago.

Benthey-Coatsworth Co., The, 35 Randolph St., Chicago.

Bruns, H. N., 1409-1411 W. Madison St., Chicago.

Budlong, J. A., 37-39 Randolph St., Chicago.

Chicago Rose Co., 56-58 Wabash Ave., Chicago.

Elliott, W. H., Brighton, Mass.

Hill, The E. G. Co., Richmond, Ind.

Jensen & Dekema, 674 W. Foster Ave., Chicago.

Metairie Ridge Nursery Co., New Orleans, La.

Peacock Dahlia Farms, Atco, N. J.

Poehlmann Bros. Co., 35-37 Randolph St., Chicago.

Reinberg, Peter, 51 Wabash Ave., Chicago.

Sinner Bros., 60 Wabash Ave., Chicago.

South Park Floral Co., Heller Bros., New Castle, Ind.

Weiland & Risch, 59 Wabash Ave., Chicago.

Wietor Bros., 51 Wabash Ave., Chicago.

Wilcox, J. F., Council Bluffs, Iowa.

Wittbold, Geo. Co., 1657 Buckingham Place, Chicago.

RETAIL CUT FLOWERS.

Atlanta Floral Co., 41 Peachtree St., Atlanta, Ga.

Berterman Bros. Co., 241 Massachusetts Ave., Indianapolis, Ind.

Breitmeyer's John, Sons, cor. Miami and Gratiot Aves., Detroit, Mich.

Cooke, Geo. H., Connecticut Ave. and L. St., Washington, D. C.

Daniels & Fisher, Denver, Col.

Donohoe, W. H., 2 W. 29th St., N. Y.

Eyres, H. G., 11 N. Pearl St., Albany, N. Y.

Gude, A. & Bro., 1214 F St., Washington, D. C.

Hansen, Mrs. M. A., Galveston, Tex.

Hauswirth, P. J., Audit. Annex, Chicago.

Hess & Swoboda, 1415 Farnum St., Omaha, Neb.

Holm & Olson, St. Paul, Minn.

Kellogg, Geo. M., 906 Grand Ave., Kansas City, Mo., also Pleasant Hill, Mo.

McConnell, Alex., 571 Fifth Ave., Windsor Arcade, New York.

Lange, A., 40 E. Madison St., Chicago.

Livingston Seed Co., Columbus, O.

Mayberry & Hoover, 1339 14th St., N. W., Washington, D. C.

Mills, The Florist, 36 W. Forsyth St., Jacksonville, Fla.

Murray, Samuel, Coates House Con., 1017 Broadway, Kansas City, Mo.

Park Floral Co., The, Denver, Col.

Palmer's, Buffalo, N. Y.

Schulz, J., 644 4th Ave., Louisville, Ky.

Seekins, W. W., 109 W. Superior St., Duluth, Minn.

Virgin, Uriah J., 833 Canal St., New Orleans, La.

Weber, Fred C., 4320-28 Olive St., St. Louis, Mo.

Wilcox, J. F., Council Bluffs, Iowa.

Wilson, Robert G., Brooklyn, N. Y.

BOILERS.

Boilers, write for prices. Johnston Heating Co., 1133 Broadway, N. Y.

Boilers, improved greenhouse boilers, made of best material; shell firebox sheets and heads of steel; water space all around (front, sides and back), Kroeschell Bros., Co., 45 Erie St., Chicago.

Boilers, horizontal, tubular boilers, 10 to 150 H. P. Boiler tubes, 2 to 6 in. Chicago House Wrecking Co., W. 35th and Iron Sts., Chicago.

Boilers, Gurney heaters, heat by steam or hot water. Gurney Heater Mfg. Co., 111 5th Ave., N. Y.; 74 Franklin St., Boston.

Boilers, the Burnham boilers, made for greenhouse heating. Lord & Burnham Co., 1133 Broadway, New York.

Boilers, corrugated, fire box and sectional, greenhouse heating. Hitchings & Co., 1170 Broadway, New York.

Boilers, boilers of high grade for greenhouses. Steam and hot water. Giblin & Co., Utica, N. Y.

Boilers, water tube steam boilers. King Construction Co., N. Tonawanda, N. Y.

BOXES.

Cut Flower Boxes, water-proof; corner lock style. No charge for printing on orders above 250 boxes. Livingston Seed Co., Columbus, O.

Cut Flower Boxes; send for prices. Edwards Folding Box Co., Philadelphia, Pa.

BUILDING MATERIAL.

Building material, lumber for greenhouse benches. Ship lap, drop siding, sheathing, flooring, white cedar posts, etc. We are in special position to furnish "Pecky Cypress;" everything in pine and hemlock building lumber. Adam Schillo Lumber Co., cor. Weed St. and Hawthorne, Chicago.

Building Material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouses and other building material. Men furnished to superintend erection when desired. A. T. Sterns Lumber Co., Neponset, Boston, Mass.

Building Material, cypress sash bars. Tennessee red cedar posts, pecky cypress benches, hotbed sash and frames, ventilating apparatus, pipe, fittings, and all supplies needed in new or reconstruction work. Foley Mfg. Co., 471 W. 22nd St., Chicago.

Building Material. Our designs embody best features of greenhouse construction. Best grade gulf cypress used. Red cedar posts, iron fittings, hotbed sash. Lockland Lumber Co., Lockland, O.

Building Material, cypress sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 111-125 Blackhawk St., Chicago.

Building Material, hotbed sash, 2,500 3x6 ft. new frames, glazed, $1.80 each. Sash, doors. Chicago House Wrecking Co., W. 35th and Iron Sts., Chicago.

Building Material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 617 Sheffield Ave., Chicago.

Building Material of all descriptions, cold frames, hotbed sash, etc. Lord & Burnham Co., 1133 Broadway, New York.

Building Material for U-Bar greenhouses. Pierson U-Bar Co., Metropolitan Bldg., 4th Ave. and 23rd St., N. Y.

Building Material, cold frames, hotbed sash of every description. Hitchings & Co., 1170 Broadway, New York.

Greenhouse material of all kinds for greenhouse heating. Johnston Heating Co., 1133 Broadway, New York.

Building Material of all kinds. S. Jacobs & Sons, 1365-79 Flushing Ave., Brooklyn, N. Y.

GLASS.

Glass importers and jobbers; greenhouse glass a specialty. Window glass. James H. Rice, corner Michigan, St. Clair and Illinois Sts., Chicago.

Glass, plate and window glass, greenhouse glass a specialty. Sprague-Smith Co., 167-169 Randolph St., Chicago.

Glass, a lot of 16x18 A and B double strength, at low price. A. Dietsch Co., 617 Sheffield Ave., Chicago.

If you do not find what you need in our Ready Reference Department, write us about it.

Glass, window glass. Greenhouse glass a specialty. H. M. Hooker Co., 50 W. Randolph St., Chicago .

Glass, French and American "White Rose" brand. Stenzil Glass Co., 2 Hudson St., New York.

Glass, all kinds and sizes. Sharp, Partridge & Co., 22nd and Lumber Sts., Chicago.

Glass roofing. Chicago House Wrecking Co., W. 35th and Iron Sts., Chicago.

GLAZING POINTS.

Glazing Points, see the point? Holds glass firmly. Peerless glazing points are the best. No right or lefts. Box of 1,000 points, 75c, postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

GREENHOUSE CONSTRUCTION.

Greenhouse Construction, Eureka greenhouse the best and lowest in price. All houses erected at factory and shipped to purchaser with blue prints, photographs and plain directions so any person can put up. Dillon Greenhouse Mfg. Co., Bloomsburg, Pa.

Greenhouse Construction, builders of greenhouses for private estates, institutions, parks, etc. Pierson U-Bar Co., Metropolitan Bldg., 4th Ave. and 23d St., New York.

Greenhouse Construction, every type of iron frame or wooden construction. Best workmanship, right prices. Weathered Company, 46-48 Marion St., New York.

Greenhouse Construction, sash bar greenhouses, New Truss construction and iron frame houses. Lord & Burnham Co., 1133 Broadway, New York.

Greenhouse Construction, builders of every type of greenhouses; the most modern designs. Hitchings & Co., 1170 Broadway, New York.

GUTTERS.

Gutters, Garland's gutters will keep snow and ice off your glass. A sample of our gutter is on exhibition at Chicago Flower Growers' Market. Geo. M. Garland, Des Plaines, Ill.

Gutters, Lord & Burnham Improved V-shape gutter with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, New York.

Gutters, new duplex gutter, only drip proof gutter on the market. E. Hippard, Youngstown, O.

Gutters, Jennings, improved iron gutters. Diller, Caskey & Co., Sixth and Berk Sts., Philadelphia.

INSECTICIDES.

Fumigating Supplies, vaporizing pans for tobacco extracts, improved. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

Fumigating Supplies, tobacco dust for fumigating. Edwin L. Koppelman & Co., 81 Pine St., New York.

Fumigating Supplies, tobacco powder and stems. The H. A. Stoothoff Co., 117 West St., New York.

Insecticide, Nicoticide Bug Killer, the best bug killer and bloom saver. P. R. Palethorpe Co., Louisville, Ky.

Insecticides, Carman's Antipest insecticide and fungicide, $1.50 per gal. Perfection Chemical Co., Flushing, N.Y.

HOSE.

Hose, garden. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

LAWN MOWERS.

Lawn Mower. The Clipper, lawn mower, No. 1, 12-in., $5; No. 2, 15-in., $6; No. 3, 18-in., $7; No. 4, 21-in., $8. Draft, money order or reg. letter. Clipper Lawn Mower Co., Dixon, Ill.

MASTICA.

Mastica, for glazing greenhouses.. F. O. Pierce Co., 170 Fulton St., New York.

METAL DESIGNS.

Metal designs, send for prices. A. Hermann, 404-12 E. 34th St., New York.

MISCELLANEOUS.

Engravings, best engravings and illustrations of every description for catalogues. Send for estimates, Globe Eng. & Elec. Co., 427 Dearborn St., Chicago.

Printing, large runs of catalogues a specialty. Write for figures. Regan Printing House, 89-91 Plymouth Place, Chicago.

Florists' overdue accounts and bad debts collected by the National Florists' Board of Trade, 56 Pine St., N. Y.

PAINT, PUTTY, ETC.

Paint, Ideal Greenhouse Lead; Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, New York.

Paint, Putty, etc., H. M. Hooker Co., 59 W. Randolph St., Chicago.

Paint, Putty, etc. The Jas. H. Rice Co., 80-82 Wabash Ave., Chicago.

PIPE, FITTINGS, ETC.

Pipe, iron fittings, etc., galvanized iron sash hinges, screw eyes, screw hooks, U bolts, galvanized iron buckles and wires. Fittings for purlin and ridge supports. Foley Mfg. Co., 471 W. 22d St., Chicago.

Pipe, 50 miles of wrought, all sizes, ⅜ to 16 in. Plumbing material, valves. Chicago House Wrecking Co., W. 35th and Iron Sts., Chicago.

Iron Fittings, patent iron bench fittings and roof supporters. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

A Bargain, 4-in., cast iron pipes, 5 feet lengths at 12c per foot. C. C. Pollworth Co., Milwaukee.

Iron Fittings, etc., send for prices. Lockland Lumber Co., Lockland, O.

POTS, PANS, ETC.

Pots, standard flower, 1½-in., $2.77 per 1,000; 2-in., $3.33; 2½-in., $3.88; 3-in., $5.27; 3½-in., $6.10; 4-in., $7.77; 4½-in., $10; 5-in., $13.60; 6-in., $22.20; 7-in., $4 per 100; 8-in., $6; 9-in., $8.88; 10-in., $13.33; 12-in., $22.22; 14-in., $38.88; 16-in., $66.66; 20-in., $1.25 each. Azalea pots and bulb pans same price. 2x2½-in. rose pots, $3.50 per 1,000. A. F. Kohr, 1521 N. Leavitt St., Chicago.

Pots, standard, seed pans, cut flower cylinders, hanging baskets, lawn vases, etc. Hilfinger Bros. Pottery, Ft. Edward, N. Y.

Pots, standard flower pots. The Whildin Pottery Co., Philadelphia, Pa.; Jersey City, N. J.; Long Island City, N. Y.

Pots, before buying write for prices. Geo. Keller & Son, 361-63 Herndon St., near Wrightwood Ave., Chicago.

Pots, red standards, full size and wide bottoms. Detroit Flower Pot Mfy., 490 Howard St., Detroit, Mich.

Pots, pots of all kinds. A. H. Hews & Co., No. Cambridge, Mass.; Long Island City, N. Y.

Pots, red standard, azalea pots. The Keller Pottery Co., 213-223 Pearl St., Norristown, Pa.

Pots, Syracuse red, Syracuse Pottery Co., Syracuse, N. Y.

Pots, all sizes. Ionia Pottery Co., Ionia, Mich.

Pots, red standard. Paducah Pottery Co., Paducah, Ky.

Pot hangers, Kramer's $1 doz. by exp., $1.25 by mail. I. N. Kramer & Son, Cedar Rapids, Ia.

PUMPING ENGINES.

Pumping Engines, two streams of water for 1 hour cost 2 cents if you use a Standard pumping engine. The Standard Pump & Engine Co., Cleveland, O.

RAFFIA.

Raffia, samples free if you mention the American Florist. Large assortment of colors. R. H. Comey Co., Camden, N. J., 810-24 Washburn Ave., Chicago.

SEED CASES.

Seed cases, Heller's mice proof. W. C. Heller & Co., Montpelier, O.

STEAM TRAPS.

Steam Traps, the Standard return steam trap has no equal for its simplicity of working. E. Hippard, Youngstown, O.

SUPPLIES.

Supplies, milkweeds, wire designs cut wire, all kinds letters, immortelles, cycas leaves, sheaves of wheat, ribbons, corrugated boxes of all kinds. Henry M. Robinson & Co., 8-11 Province St., Boston, Mass.

Supplies, importers and manufacturers of florists' supplies. L. Baumann & Co., 78 Wabash Ave., Chicago.

Supplies, cape flowers, cycas leaves, metal designs, and all florists' supplies. A. Herrmann, 404-12 E. 34th St., New York.

Supplies, importers and manufacturers of florists' supplies. Reed & Keller, 122 W. 25th St., New York.

Supplies, wire designs, etc. The Cleveland Cut Flower Co., 215 Huron road, Cleveland, O.

Supplies, florists' wire designs and supplies. Emil Steffens, 335 E. 21st St., New York.

Supplies and novelties of all kinds. J. Stern & Co., 1928 Germantown Ave., Philadelphia.

Supplies, flower baskets, novelties. Riessner Bros., Lichtenfels, Bavaria.

Supplies of all kinds. Holmes Seed Co., Harrisburg, Pa.

Wilson's Plant Oil for all kinds of plants. In 4-oz. to 1-gal. sizes. Andrew Wilson, 437 Springfield Ave., Summit, N. J.

Everlasting Stake Fastener, $3 per 1,000. Eureka Stake Fastener, $1.50 per 1,000. A. Corts & Son, Wyncote, Pa.

Supplies, wire designs. Pittsburg Florists' Ex., 228 Diamond St., Pittsburg, Pa.

TOOTHPICKS.

Toothpicks, wired, $1.50 per 10,000; $6.25 per 50,000. W. J. Cowee, Mfr., Berlin, N. Y.

VENTILATING APPARATUS.

Ventilators, the Standard ventilating machinery; original machine with self-oiling cups, most powerful, least complicated, very compact E. Hippard, Youngstown, O.

Ventilators, The Advance Ventilating Apparatus. Write for estimates and circulars. The Advance Co., Richmond, Ind.

Ventilators, Evans' Improved Challenge ventilating apparatus. Quaker City Machine Works, Richmond, Ind.

Ventilating Apparatus. Send for circulars. Diller, Caskey & Co., cor. 6th and Berk Sts., Philadelphia.

Ventilating apparatus for every type of greenhouses. Lord & Burnham Co., 1133 Broadway, New York.

Ventilating Apparatus for greenhouses. Weathered Co. Box 789, New York City.

Ventilators, hand ventilating, etc. The King Construction Co., N. Tonawanda, N. Y.

Ventilators, ventilating apparatus of all kinds. Hitchings & Co., 1170 Broadway, New York.

Ventilators, New Departure ventilating appliance. J. D. Carmody, Evansville, Ind.

Ventilating, new Wolf Pipe Ventilating machines. A. Q. Wolf & Bro., Dayton, O.

WEED KILLER.

Eureka Weed Killer, saves weeding and keeps paths. Large size tin, enough for 100 sq. yards, 75c. Vaughan's Seed Store, Chicago and New York.

WIRE SUPPORTS.

Wire supports, model extension carnation supports, galvanized wire rose stakes, tying wires, single and dbl. pot hangers. Igoe Bros., 63 Metropolitan Ave., Brooklyn, N. Y.

American Florist Ads

Always do business
Week days and every day
Sundays and holidays
All over the country
At home and abroad.

If you do not find what you need in our Ready Reference Department, write us about it.

BOOKS FOR FLORISTS.

The time is coming along when these are needed and opportunity at hand for reading them. Everyone of the following should be in your library.

Send prices quoted and we send the books.

PRACTICAL FLORICULTURE (Peter Henderson).—A guide to the successful propagation and cultivation of florists' plants. Illustrated. 325 pages. $1.50.

HOW TO GROW CUT FLOWERS (Hunt).—The only book on the subject. It is a thoroughly reliable work by an eminently successful, practical florist. Illustrated. $2.00.

MANUAL OF THE TREES OF NORTH AMERICA (Sargent).—The most complete and authentic work on the subject. The pages number 826, with over 600 illustrations. $6.00.

STEAM HEATING FOR BUILDERS (Baldwin).—Contains valuable data and hints for steam fitters and those who employ this method of heating. The 350 pages are fully illustrated. $2.50.

THE AMERICAN CARNATION (C. W. Ward).—A complete treatment of all the most modern methods of cultivating this most important flower. Illustrated. $3.50.

THE ROSE.—Its cultivation, varieties, etc. (H. B. Ellwanger).—A complete guide of the cultivation of the rose, together with the classification of all the leading varieties. $1.25.

HEDGES, WINDBREAKS, ETC. (Powell).—A treatise on the planting, growth and management of hedge plants for country and suburban homes. A volume of 140 pages, with twenty-two illustrations. 50 cents.

HEATING AND VENTILATING BUILDINGS. (Carpenter).—This book covers the entire subject most fully. In the preparation of heating and ventilating plans it will be found a most valuable guide. $4.00.

THE PRINCIPLES OF FRUIT GROWING (Bailey).—The entire subject of fruit culture is treated very thoroughly in this illustrated volume of 516 pages. It is a book that no up-to-date fruit grower can afford to be without. $1.25.

THE HORTICULTURISTS' RULE-BOOK (L. H. Bailey).—Contains information valuable to all those engaged in any branch of horticulture. Illustrated. 312 pages. 75 cents.

MUSHROOMS: HOW TO GROW THEM (Falconer).—The only American book on the subject, 29 illustrations. Written by a practical mushroom grower, who tells the whole story so tersely and plainly that a child can understand it. This book has increased mushroom growing in this country three fold in three years. $1.50.

LANDSCAPE GARDENING (Maynard).—The development of landscape art within the past few years compels the wide awake florist to keep posted on this branch of the business. The many suggestions of this book will be found helpful every business day. It contains 338 pages, 165 illustrations. $1.50.

GREENHOUSE CONSTRUCTION (Taft).—It tells the whole story about how to build and heat a greenhouse, be it large or small, and that, too, in a plain, easily understood, practical way. It has 118 illustrations. $1.50.

GINSENG (Kains).—At the present time, when so much interest is taken in ginseng, it will be interesting to peruse this volume, which tells all about the plant in a way that all may understand. The 144 pages are freely illustrated. 50 cents.

SUCCESS IN MARKET GARDENING (Rawson).—Written by one of the most prominent and successful market gardeners in the country, and who has the large t glasshouses for forcing vegetables for market in America. Outdoor and indoor crops are treated. Illustrated, $1.00.

CELERY CULTURE (Vaughan).—The important subject of celery culture is thoroughly covered in this illustrated pamphlet of 59 pages. The florist raising young plants of celery and those who grow the plants to maturity will alike find it valuable. 50 cents.

THE GOLDFISH (Mulertt).—A number of florists find goldfish an attractive and paying addition to their business. The best advice is given in every department of the subject, including construction and care of the parlor aquarium, in this volume of 160 pages, handsomely illustrated. $2.00.

THE CULTURE OF WATER LILIES AND AQUATIC PLANTS (Henderson).—Growers of hardy and tender water lilies and other aquatics will find this an excellent guide in cultural and descriptive matters. The lists of varieties have been very carefully prepared. Handsomely illustrated. 50 cents.

ASPARAGUS (Hexamer).—A practical treatise on the planting, cultivation, harvesting and preserving of asparagus, with notes on its history and botany. This book is mainly devoted to the culinary kind of asparagus, but there is also some reference to the ornamental species. 50 cents.

CABBAGES, CAULIFLOWER AND ALLIED VEGETABLES (Allen).—The requirements of the important vegetables of the cabbage tribe are given here very fully. The book also contains interesting chapters on seed raising, insects, pests and fungus diseases common to these plants. 50 cents.

LANDSCAPE GARDENING (Waugh).—This is a very useful little book on the art of landscape gardening. It will be found exceptionally valuable to amateurs, as it covers in detail the numerous problems that come to the owners of small gardens. It is freely illustrated and the pictures have been chosen with a view to informing the reader rather than decorating the book. 50 cents.

American Florist Company, 324 Dearborn St., CHICAGO.

STANDARD FLOWER POTS

No Charge for Crates or Packing.

Inches	per 1000	Inches	per 100
1½	$ 2.77	7	$ 4.00
2	3.33	8	6.00
2½	3.88	9	8.88
3	5.27	10	13.33
3½	6.10	12	22.22
4	7.77	14	38.88
4½	10.00	16	66.66
5	13 60	20	each, 1.25
6	22.20		

Azalea Pots and Bulb Pans same as **Standard Pots.** 2 and 2½-in Rose Pots, $3.50 per 1000. These pots are **carefully made,** very strong and porous. Liberal count is given, thereby protecting our patrons against possible breakage. **Above prices subject to 10 per cent. discount for cash.**

A. F. KOHR, 1521-23-25 N. Leavitt St, **Chicago.**

THE CHRYSANTHEMUM MANUAL.

By Elmer D. Smith.

PRICE 25 CENTS.
Cash with order.

American Florist Co.,
324 Dearborn St., CHICAGO.

FUMIGATION METHODS

By PROF. W. G. JOHNSON

Formerly State Entomologist of Maryland

A Practical Treatise and timely work on cheap and effective means of destroying insect pests and other vermin in various places. This work is the outcome of practical tests made by the author, together with the experiences of others, and is one of the most important books published this season and is much needed at this time. It will be of particular interest to

FRUIT GROWERS AND NURSERYMEN owing to the widespread prevalence of the notorious San Jose scale. Hydrocyanic acid gas is the only practical remedy for the destruction of this pest and is being used more extensively than ever before by nurserymen and fruit growers. The perfection of the apparatus for fumigating young orchard trees is outlined in this work. The methods can be easily applied in orchards and nurseries for many dangerous pests at very small cost. The writer is considered the best authority on this subject in this country and has left nothing undone to make this the most complete work of the kind ever published.

GARDENERS AND FLORISTS have found that vegetables and flowers cannot be grown under glass without frequent fumigation for the destruction of insect pests. Hydrocyanic acid gas has solved this problem. The methods of procedure are fully described and every detail is given for generating and applying the gas.

MILLERS AND GRAIN DEALERS have been looking forward to the publication of this work, as hydrocyanic acid gas has been found one of the most important materials for clearing mills and warehouses of insects. The subject of carbon bisulphide for fumigating mills and elevators containing grain in storage is also thoroughly considered. To this trade the work is indispensable and transportation companies have found it of great value for the fumigation of cars, ships and other inclosures infested with vermin.

FARMERS OF THE COUNTRY have here fully described a simple, easy remedy for gophers, prairie dogs, squirrels and other animals in the ground, and rats and mice in any inclosure.

COLLEGE AND STATION WORKERS will find it an up-to-date reference work on this subject. It is complete in every respect and is the only work of the kind ever published. It is written in a popular non-technical style, profusely illustrated, handsomely bound, covering 250 pages, price, postpaid, $1.00.

American Florist Company,
324 Dearborn St., CHICAGO.

The Whilldin Pottery Co.

STANDARD FLOWER POTS

Our output of Flower Pots is larger than any concern in the World
Our Stock is always Large and Complete

Main Office and Factory,

713 WHARTON STREET, PHILADELPHIA

Warehouses: JERSEY CITY, N. J. LONG ISLAND CITY, N. Y.

POT MAKERS FOR 140 YEARS

A. H. HEWS & CO. INC.

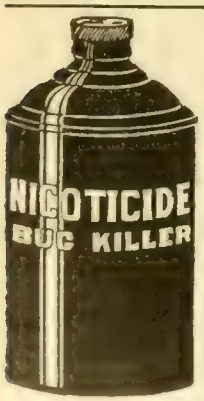
CAMBRIDGE, MASS.

FLORIST WARE OF EVERY KIND

CLIPPER LAWN MOWER CO DIXON ILL.

The Mower that will **kill all the Weeds in your Lawn.** If you keep the weeds cut so they do not go to seed and cut your grass without breaking the small feeders of roots, the grass will become thick and the weeds will disappear.

The Clipper will do it. Ask your dealer for them. If they have not got them, below is the price: No. 1—12-inch Mower $5: No. 2—15-inch Mower, $6: No. 3—18-inch Mower, $7: No. 4—21-in. Mower, $8. Send draft, money-order or reg. letter.



THE BEST Bug Killer and Bloom Saver.

For **PROOF** Write to

P. R. PALETHORPE COMPANY,

LOUISVILLE, KY.

GEO. KELLER & SON,

MANUFACTURERS OF

FLOWER POTS.

Before buying write for prices.

361-363 Herndon Street, near Wrightwood Ave., CHICAGO, ILL.

THE BLACK STUFF FINE TOBACCO FOR DUSTING IS GROUND VERY FINE FROM THE HEAVY PURE LEAF LET US TELL YOU ABOUT IT. THE H. A. STOOTHOFF CO. 116 WEST ST NEW YORK

THE KELLER POTTERY COMPANY,

Manufacturers of **FLORISTS' RED STANDARD POTS.**

Azalea Pots, Bulb and Fern Pans, Etc.

Write for Price List. 213-15-17-19-21-23 Pearl St., **NORRISTOWN, PA.**

IONIA POTTERY COMPANY.

If you know of no reason why you have never used IONIA POTS, this should be a sufficient reason why you should use them now.

We never lose a patron because our ware is not the best. 35 years of skilled experience is represented in the making. Let us have your order. We promise entire satisfaction.

A postal will bring our catalogue.

IONIA POTTERY COMPANY, Ionia, Mich.

Please mention the American Florist when writing.

SPRAGUE, SMITH CO.

JOBBERS AND MANUFACTURERS OF

Window Glass.

GREENHOUSE GLASS A SPECIALTY.

167-169 Randolph St., **CHICAGO.**

Le Journal des Roses.

Organ of the French Rosarians.

Published at Paris. Once a month with colored plates.

Subscription $2.70 per Year. Sample Copies Free.

ADMINISTRATION DU SUISNES **JOURNAL DES ROSES**

a **SUISNES, Brie,**

a Grisy-Suisnes. (Seine et Marne), **FRANCE.**

Please mention the American Florist when writing.

Standard Flower Pots!

Packed in small crates, easy to handle.

		Price per crate			Price per crate
1500	2-in., in crate,	$4 88	120	7-in., in crate,	$4 20
1500	2¼ "	5.25	60	8 "	3.00
1500	2½ "	6.00		HAND MADE.	
1000	3 "	5.00	48	9-in., in crate,	$3.60
800	3½ "	5.80	48	10 "	4.80
500	4 "	4.50	24	11 "	3.60
320	5 "	4 51	24	12 "	4.80
144	6 "	3.16	12	14 "	4.80
			6	16 "	4.50

Seed pans, same price as pots. Send for price list Cylinders for Cut Flowers, Hanging Baskets, Lawn vases, etc. Ten per cent off for cash with order. Address

HILFINGER BROS. POTTERY, Fort Edward, N. Y

or AUGUST ROLKER & SONS, New York Agents, 31 Barclay Street, New York City.

THOSE RED POTS

"STANDARDS"

FULL SIZE AND WIDE BOTTOMS. BULB PANS AND AZALEA POTS.

DETROIT FLOWER POT M'F'Y.

HARRY BALSLEY, Rep. **DETROIT, MICH. 490 Howard St.**

Kramer's Pot Hangers

For Sale by Wholesale Seedsmen, Florists and Supply Dealers.

Price, $1.00 per dozen by express. Sample dozen by mail, $1.25.

L. N. Kramer & Son, CEDAR RAPIDS, IOWA.

Red Standard Flower Pots

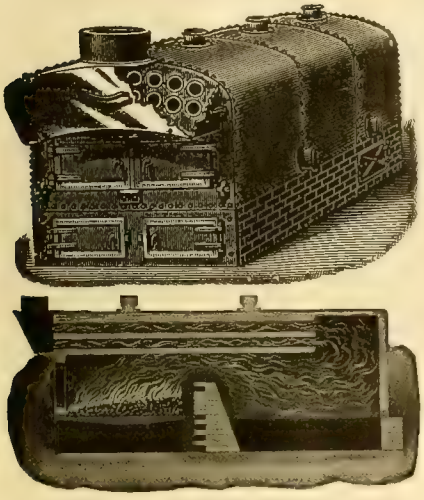
Price list and samples on application.

PADUCAH POTTERY CO., Inc.

PADUCAH, KENTUCKY.

Please mention the American Florist when writing.

KROESCHELL BROS. CO.
IMPROVED
Greenhouse Boiler
45 Erie Street, CHICAGO.



Boilers made of the best of material, shell, fire-box sheets and heads of steel, water space all around (front, sides and back). Write for information.

Please mention the American Florist when writing.

CUT FLOWER BOXES
WATERPROOF Corner Lock Style.

The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always.

Size No.		Per 100	Per 1000
0.	3x 4x20	$2.00	$19.00
1.	3x 4½x16	1.90	17.50
2.	3x 6x18	2.00	19.00
3.	4x 8x18	2.50	23.00
4.	3x 5x24	2.75	26.00
5.	4x 8x22	3.00	28.50
6.	4x 8x28	3.75	36.00
7.	6x16x20	5.50	54.00
8.	3x 7x21	3.00	28.50
9.	5x10x35	6.50	62.00
10.	7x20x20	9.50	67.50
11.	3½x5x30	3.00	28.50

Sample free on application. No charge for printing on orders above 250 boxes. Terms cash.

THE LIVINGSTON SEED COMPANY,
Box 104, COLUMBUS, OHIO.

Please mention the American Florist when writing

ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the

"Horticultural Advertiser"

This is the British Trade Paper, being read weekly by all the Horticultural traders; it is also taken by over 1000 of the best continental houses. Annual subscription to cover cost of postage 75c: Money orders payable at Lowdham, Notts.

Address **Editors of "H. A."**
Chilwell Nurseries, LOWDHAM, Notts, England
Please mention the American Florist when writing

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

Please mention the American Florist when writing.

DO NOT KEEP YOUR "I" ON FIRMS

to see them grow, or to see if they are full-grown, but just glance around at the Enterprising Florists' Supply House with everything new for the trade.

J. STERN & CO.
1928 Germantown Ave., PHILADELPHIA, PA.
See us at the convention.
Please mention the American Florist when writing.

The James H. Rice Co.
IMPORTERS and JOBBERS
GREENHOUSE GLASS
A SPECIALTY.
Window Glass, Paint, Putty, etc.
Office and Warehouse: Corner of Michigan, St. Clair and Illinois Streets, CHICAGO.

GREENHOUSE HEATING
Complete heating plants erected or materials furnished with working plans. Write for prices on **BOILERS.**

JOHNSTON HEATING COMPANY,
St. James Building, 1133 Broadway, NEW YORK.

GLASS
GOOD BRANDS.
QUICK SHIPMENTS.
LARGE STOCK.

Warehouse on railroad switch. **Be Sure and Get Our Prices.**

SHARP, PARTRIDGE & CO.,
22nd and Lumber Sts., CHICAGO.

Carman's Antipest
INSECTICIDE AHD FUNGICIDE
For the Garden, Orchard and Greenhouse.
Non-poisonous and harmless to vegetation
Kills Green Fly, Aphides, Bark Lice, Thrip, Mealy Bug, Red Spider, Scale, Wire Worms, Ants and Slugs.

This is the Grower's Friend, handy to use, cheap and effective, mixes readily in water. Destroys all insect pests and keeps down filth. Circulars on application. **$1.50 per gallon.** Also in quarts, half gallons and in bulk.

PERFECTION CHEMICAL CO.,
FLUSHING, N. Y.

Please mention the American Florist when writing.

A. HERRMANN,
Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florists' Supplies.
SEND FOR PRICES.
404-412 East 34th St., NEW YORK.

L. BAUMANN & CO.,
Importers and Manufacturers of
Florist Supplies
76-78 Wabash Ave., CHICAGO.
Write for our New Catalogue F. Our prices may interest you.
Please mention the American Florist when writing.

The Regan Printing House
LARGE RUNS OF
CATALOGUES —OUR— SPECIALTY
WRITE FOR FIGURES.
83-91 Plymouth Place, CHICAGO.

FOR SALE

GLASS New American. 50 sq. ft. to the box. 10x12 single $1.75 per box; 12x12 single $1.90 per box; 10x12, 12x12, 10x15, double, $2.55 per box; 12x14, 12x20, 14x14, 14x20, double, $2.75 per box; 16x16, 16x18, $3.10 per box; 16x24, double, $3.30 per box. Second hand, 8x10, 8x12, 10x12, single at $1.50 per box; double, $1.75 per box.

GARDEN HOSE New, ¾-in, guaranteed 100-lbs pressure, 7½c. per ft; ¾-in. not guaranteed, 4¾c. per ft.

HOT-BED SASH New Cypress. 3ft.x6ft from 75cts. up; glazed, complete, from $1.60 up; Second-hand in good condition, all glass in, at $1.25 and $1.00 each.

PIPE Good serviceable second-hand, with threads; 2-inch, 7 cts.; 1¼-inch, 5½ cts; 1¼-inch, 4cts.; 1-inch, 3cts-; 2½-inch, 10cts; 3-inch, 14cts.; 4-inch, 19cts. New 2-inch, Standard, full lengths with couplings, 8¾cts. per ft. Old and new fittings and valves.

Get Our Prices on
Boilers, Pumps, Stillson Wrenches, Stocks and Dies, Pipe Cutters, Pipe Vises, Cypress Material, Etc.

METROPOLITAN MATERIAL CO.
1398-1408 Metropolitan Avenue, BROOKLYN, N. Y.

"Eureka"
Weed Killer.

Saves Weeding. Keeps Paths, etc., clear without disturbing or staining the gravel.

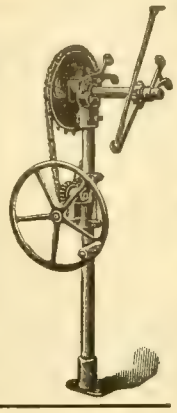
Soluble Powder, readily mixed and applied. **Large Size Tin, enough for 100 square yards, 75 cts. each.** Special prices to Cemeteries and buyers in large quantities. Full directions with each tin.

Vaughan's Seed Store,
CHICAGO: 84-86 Randolph St. NEW YORK: 14 Barclay St.
Please mention the American Florist when writing.

WILSON'S PLANT OIL.
The best Insecticide and Plant Renovator ever introduced. Positively harmless. Put up in cans and bottles. Send for circular, testimonials and trade price.
ANDREW WILSON, 437 Springfield Ave SUMMIT, N. J.

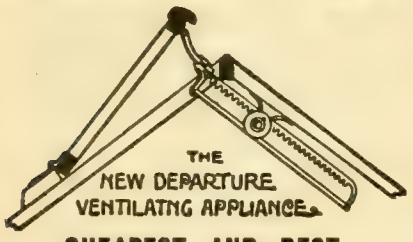
Wired Toothpicks
10,000, $1.50: 50,000, $6.25. Manufactured by
W. J. COWEE, BERLIN, N. Y.
Sample free. For sale by dealers.
Please mention the American Florist when writing.

The Advance Ventilating Apparatus



A square deal with the best of goods at fair prices is bringing us the orders. Sixty-four machines to one firm, 9 to another, 8 to still another and hosts of those of four and under show that we have the goods to do the work. Write us for circular and price list.

THE ADVANCE CO.
RICHMOND, IND.



CHEAPEST AND BEST.

If you doubt it try them and be convinced. Send for descriptive price circular.

J. D. Carmody, Evansville, Ind.

Now is the Time

to Subscribe to the

Horticultural Trade Journal

Published weekly. The Largest Brightest, and Best British Trade Publication. Also

THE INTERNATIONAL EDITION

Published quarterly. Annual subscription for weekly and quarterly numbers, One dollar, (International money order). Subscribe to-day and keep in touch with European markets and topics.

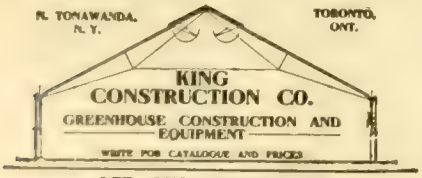
THE HORTICULTURAL PRINTING COMPANY,
BURNLEY, ENGLAND.

Weathered Company,

BUILDERS OF

Iron and Cypress Greenhouses, Greenhouse Heating and Ventilating Apparatus.

P. O. Address. Box 789, NEW YORK CITY.



GET OUR PRICES ON
Galvanized Wire Rose Stakes and Tying Wire.

IGOE BROTHERS,

Manufacturers of the **Model Plant Supports** for Carnations Dahlias, Golden Glow, Chrysanthemums and Tomatoes

63-71 Metropolitan Ave., BROOKLYN, N. Y.

EVANS' IMPROVED
CHALLENGE VENTILATING APPARATUS
WRITE FOR ILLUSTRATED CATALOGUE
QUAKER CITY MACHINE WORKS.
RICHMOND, IND.

THE HEART OF THE MATTER IS ALL HEART SUN DRIED CYPRESS

GREENHOUSE MATERIAL

IS THE VERY BEST—
FOLEY MFG. CO. 471 W. 22ND ST. CHICAGO,
HAVE IT, RIGHT FROM THE GULF OF MEXICO,
AND WILL MAKE YOU RIGHT PRICES—
SEND FOR SKETCHES ESTIMATES AND CATALOGUE FREE—
HOT-BED SASH. VENTILATING APPARATUS.
FITTINGS AND MANY OTHER THINGS—

If you are having delay in getting your roof material, send your orders TO US and don't be in trouble. We will handle any order in the time agreed. Try us.

FOLEY MANUFACTURING COMPANY,
471 W. 22nd Street, : : : CHICAGO.

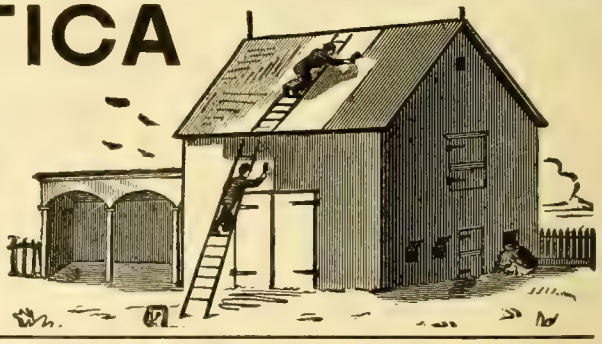
MASTICA

Trade Mark Registered.

—FOR—

Glazing Greenhouses

Sole Manufacturers
F. O. PIERCE COMPANY
NEW YORK
At All Seed Stores



Greenhouse Material of Louisiana Cypress and Washington Red Cedar

GREENHOUSE HARDWARE AND POSTS. PATENT V AND U GUTTERS.

OUR GRADES INVARIABLY THE BEST. OUR PRICES RIGHT.

Write for Catalogue and Estimate, when figuring on your new houses.

Hot Bed Sash

A. DIETSCH CO., 617 Sheffield Ave., CHICAGO.

BEST ENGRAVINGS and ILLUSTRATIONS

—Of Every Description—

FOR CATALOGUES.

SEE OUR WORK IN THIS PAPER. SEND FOR ESTIMATES.

GLOBE ENGRAVING and ELECTROTYPE CO.
407-427 Dearborn St., CHICAGO.

EUREKA GREENHOUSES.

THE BEST AND LOWEST IN PRICE. All houses erected at the factory and shipped to purchasers with blue prints, photographs and plain directions so that any person can put them up.

DILLON GREENHOUSE MFG. CO., Bloomsburg, Pa.

THE AMERICAN FLORIST

America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol, XXVII. **CHICAGO AND NEW YORK, AUGUST 19, 1906.** **No. 950**

THE AMERICAN FLORIST

TWENTY-SECOND YEAR.

Copyright 1906, by American Florist Company. Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

324 Dearborn St., Chicago.

Eastern Office: 1133 Broadway, New York.

Subscription, $1 00 a year. To Europe, $2 00. Subscriptions accepted only from the trade.

Volumes half yearly from August, 1901.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—WM F. KASTING, Buffalo, N. Y., president; H. M. ALTICK, Dayton, O., vice-president; W. J. STEWART, 11 Hamilton Place, Boston, Mass., secretary; H. B. BEATTY, Oil City, Pa., treasurer. Twenty-second annual meeting at Dayton, O., August, 21-24, 1906.

EXHIBITION—A grand national and general exhibition will be held March, 1907, under the auspices of the society.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual convention and exhibition at Chicago, November 6-12, 1906. WM. DUCKHAM, Madison, N J , president; DAVID FRASER, Penn and Homewood Ave., Pittsburg, Pa., secretary.

AMERICAN ROSE SOCIETY.

Annual meeting and exhibition at Washington, D. C., March 13-15, 1907. ROBT. SIMPSON, Clifton, N. J., president; BENJAMIN HAMMOND, Fishkill-on-Hudson, N. Y., secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention and exhibition at Toronto, Canada, January, 1907. JOHN H. DUNLOP, Toronto, Canada, president; ALBERT M. HERR, Lancaster, Pa., secretary.

THE AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

Annual convention at Toronto, Ont., 1907. BYRON D. WORTHEN, Manchester, N. H., president; F. L. MULFORD, Harrisburg, Pa., secretary.

ASSOCIATION OF AMERICAN CEMETERY SUPERINTENDENTS.

Twentieth annual convention at Detroit, Mich., August 21-23. Headquarters at the Cadillac Hotel. EDW. G. CARTER, Oakwoods Cemetery, Chicago, president; BELLETT LAWSON, Paxtang, Pa., secretary.

AMERICAN PEONY SOCIETY.

Third annual meeting and exhibition at Ithaca, N. Y., 1907. C. W. WARD, Queens, N. Y., president; A. H. FEWKES, Newton Highlands, Mass., secretary.

Contents, page 150.
Advertising Rates, 150.
Index to Advertisers, 192.
Ready Reference Advts., 193.

Field Growing of Narcissus.

Field Growing of Narcissus for Cut Flowers

About 280 miles south of Chicago, and 85 miles southeast of St. Louis, is the little town of Tamaroa, of Perry county, Illinois, which bears the distinction of having a citizen who has devoted over 12 years to the growing of outdoor flowers, i. e., those plants which may be cultivated in the open field for their cut flowers for commercial purposes. This citizen who has so enthusiastically grown field commercial flowers is W. H. Arendt.

Mr. Arendt has been very fortunate in having the able assistance in his work of two sons beside the efficient and inspiring help of his wife. Gladioli, peonies, dahlias, cosmos and Shasta daisies have all been grown successfully, but have not been paying flowers owing to the expense in caring for the most of them and, coupled with transportation charges, the profits have been consumed.

However, Mr. Arendt is never beaten, and upon trial found that the narcissus could be very successfully grown in the soil and climate of southern Illinois, and further that it requires very little expense. Many of his bulbs were secured from Holland, England, Italy and the United States, those from the United States being grown in Virginia, and which have proven to be equally as good for field culture as those secured from Europe, although he considers the Dutch bulbs to be a little cleaner in appearance.

Planting.

Mr. Arendt's first plantings of narcissi were made some seven years ago. These bulbs were planted in the fall in the ordinary clay loam of southern Illinois, and dropped about five inches apart in rows after a plow.

In all subsequent plantings, spades and lines were used, the ground having been prepared by sowing to cowpeas, then the ground turned under in August, so that by September, after a thorough harrowing, the ground was in fine condition to receive the bulbs. This method seems to be preferred to the plow planting, as it is claimed that more bulbs can be planted to the acre, and in a neater manner.

The bulbs are planted five inches deep, six inches apart in the rows, and the rows are one foot apart, and five rows together, then a three foot walk, then rows of bulbs again, etc. The bulbs make good root-growth during the fall that they are planted, and become sufficiently established to produce some flowers the next spring.

Culture.

During the winter, the ground is top-dressed with manure to furnish food for large flowers and long stems more than winter protection, for they are perfectly hardy.

After the flowering season, which begins about the last of March and lasts until the middle of May, according to the season, the bulbs are allowed to grow for several weeks until the foliage begins to turn brown, when the tops are mowed off with a machine, this being done two or three times a season to keep down the grass and weeds.

No cultivation whatever is given the bulbs further than the enriching of the ground by top-dressing with manure during the winter. When asked if he did not think that cultivation would improve the length of the stems and size of the flowers, Mr. Arendt replied that he did not think it would do more than the treatment of manure did for the bulbs, and that his method was very cheap.

Blooms.

Some flowers are produced the first season after planting, but it is the succeeding years that produce the largest and finest flowers, with the longest stems, which bring the best prices. Mr. Arendt said that he considered a plant of three or four years at its best productive age. The fifth or sixth year, the bulbs are up after the foliage has died, and separated, washed and dried, sorted according to sizes, and replanted.

When asked about how many narcissus flowers an acre produced, Mr.

Arendt said it was difficult to say, depending much upon the variety and the season. He said, however, that from the four or five acres under bulb cultivation, that they shipped from 20,000 to 35,000 flowers daily, according to the season.

The majority of these flowers go to Chicago, others to St. Louis, and smaller cities, but Chicago is the great wholesale distributing point for the middle west, and the great north. Many of Mr. Arendt's flowers are sent to Canada and other extreme points, showing that he has fine stock or the demand would not be so great.

Harvesting the Blooms.

The gathering of this great wealth of bloom is a most beautiful sight, yet a very simple process. Boys are employed to pull, not pick, the flowering stalks, which vary from 6 to 20 inches in length, although the latter figure is sometimes exceeded. The average length of stem for such vigorous growing varieties as Emperor and Sir Watkins is from 12 to 15 inches. Those of the N. Poeticus varieties are somewhat shorter.

The flowers after being pulled by the boys are placed in large hickory split baskets with a pillow of excelsior wrapped in paper, first placed in the bottom of the basket to rest the stems upon, so that the flowers may not be crushed. They are now carried to the packing shed, quickly sorted according to the length of stem, by means of a measuring board, tied in bunches of 25, then packed into light board boxes with excelsior pillows, and they are ready for shipment.

Varieties.

Mr. Arendt says there is no choice as to any particular variety of the narcissus by the wholesaler, all that is wanted, is large flowers with long stems. As a grower, he considers such varieties as Barrii conspicuus, Emperor, Golden Spur, Rugilobus, Sir Watkins, and Henry Irving of the large flowering kinds to be the most satisfactory. Henry Irving leads the season, followed closely by the others mentioned. Of the smaller flowered forms, all of the Poeticus varieties are desirable, and bring good prices, and are much the latest to be in bloom.

Mr. Arendt said that the average price for the season's cutting was 20 cents to 25 cents per 100, but that he had sold very choice bunches of long stems at Easter time, on the Chicago market, for 75 cents per 100 wholesale.

Tamaroa is going to lose a valuable citizen soon, for Mr. Arendt has sold his interest in the Arendt Bulb Co. of the Maple Lawn Gardens, and is retiring from active business on account of ill health, and intends to go to Texas.

H. R. Sims, an enterprising young business man of Tamaroa has purchased Mr. Arendt's place and will conduct the business in the future; although one of Mr. Arendt's sons is to remain in charge of the business for Mr. Sims, which I am sure will continue to increase and prosper under so able a management.

J.

FIELD GROWING OF NARCISSUS FOR CUT FLOWERS.
Narcissus Emperor one year after planting, at Tamaroa, Ill.

FIELD GROWING OF NARCISSUS FOR CUT FLOWERS.
Narcissus Poeticus planted six years at Tamaroa, Ill.

Florists' Plant Notes.

FOR SEPTEMBER.

BOUVARDIAS.—It is now time to lift bouvardias from the field and have them safely housed. It requires somewhat more than ordinary care to do this work properly. They lift badly and must be handled with caution, so as not to lose any more of the fibrous roots and adhering soil than is unavoidable. But even if handled with the greatest of care it will take them several weeks to recover from the setback suffered through the operation. In potting them up or in planting them into benches a pretty rich but porous soil should be used with plenty of well-placed drainage material underneath.

For the first few weeks the glass should be heavily shaded, and a moist and rather close atmosphere should be maintained. A frequent wilting of the plants at this critical period invites decay and causes great loss of plants. When finally the fibers have found their way into the new soil and a sturdy stand and regularly progressing growth is secured, nothing farther that might dim the outlook for a fine crop of flowers, need be feared and the culture of bouvardias has narrowed down to an easy and simple affair. Then ventilators should be opened on fine days and the shading removed, for bouvardias want air, light and sunshine and a temperature of from 60° to 65° day and night.

ROMAN HYACINTHS.—Throughout the months of winter, but especially at the holidays, no trouble is experienced in finding a market for Roman hyacinths. If bulbs are planted now a crop is assured for Christmas. There is no need for an especially prepared soil. Roman hyacinths will do well in any kind of reasonably good soil, containing a goodly proportion of old, well decayed manure. The old soil out of greenhouse

FIELD GROWING OF NARCISSUS FOR CUT FLOWERS.
Narcissus Emperor at Tamaroa, Ill., third year after transplanting.

benches, if freshened up by exposure to outside air and sunshine, is all right and these bulbs will do finely in it. Boxes of convenient size, about four inches deep and accommodating 60 or 70 bulbs are mostly used in the growing and forcing of French bulbs. After the bulbs have been placed on and slightly pressed into the soil, a good watering is given and now the boxes are covered with three or four inches of coal ashes, sand or fresh earth, whichever comes handiest. In seven or at most eight weeks the boxes will be filled with white roots, while the tops merely show the beginning of a future growth. If in this condition, the hyacinths are ready for forcing. Being now removed to a warm bench in the house, plentifully watered and screened from direct light, the growth will be exceedingly rapid. After two weeks of hard forcing the screen or shading is taken away and in another 10 days the flower spikes will be ready for cutting and marketing.

PAPER WHITE NARCISSUS.—Narcissus of any kind, but especially Paper White, must be put into the ground early to give good results. The plants are never finer or capable of bringing better prices than when brought into bloom by slow going procedure and under conditions favorable to the growing of ordinary greenhouse stock. Early planting, therefore, becomes necessary if bloom is wanted during the fall and early winter. Any good soil, not overfertilized, suits narcissi. Closely planted in flats, the tops above ground, thoroughly watered and then covered with moist soil or coal ashes for about four or five weeks, the flats will be ready for removal to a cool, well ventilated greenhouse, where the plants will make a sturdy, clean growth and finish up with a fine crop of flowers in due season.

STEVIAS.—By this time the stevias, that were planted into the field in the spring, have attained great size and, if they have been pinched in from time to time until now, are densely branched bushes. They must now be potted up or planted, several together, in deep boxes, so that at the least sign of threatening early frost, which must not touch stevias, the plants may swiftly be transferred to safe quarters. Although the slightest frost will surely ruin them, a stand outdoors, as long as possible without running a risk, and a place in the coolest greenhouse suits stevias best. They come into bloom at a time when their flowers are most appreciated.

PANSIES.—There are two most important points in the raising of pansies for a closely discriminating trade, the nonobservance of which invariably sidetracks entire success. Selecting a good strain of seeds is one and planting the seeds at the right time is the other. It is not so difficult to obtain a blemishless strain of pansy seeds, if reputable and reliable seed firms are dealt with; and if the seeds for the first and main lot are sown in the first two weeks of September and for the later stock right after New Year's, and all are well taken care of, fine, heavily rooted, sturdily grown bushes, full of superb flowers and promising buds will be had from early spring until away into the summer. This is the kind of stock that, despite all competition, brings and holds trade, and there is nothing especially perplexing or difficult in the raising of it. An outdoor frame is the best place for the starting of the seeds at this time of the season, and a properly prepared rich compost, surfaced with a layer of sifted earth, the soil to use. If kept moist and covered with frame shadings, the little seedlings will soon be peeping out of the soil. Then no more shade, even on the brightest days, is needed and the bed should be freely exposed to the full light and invigorating air. A transplanting should take place as soon as the plants are large enough to be handled with dispatch, so that they will have sufficient time to become well established before winter sets in. The frames must then be covered, but air and light should be afforded now and then on nice days during the winter.

AMARYLLIS.—All the many varieties of amaryllis are noted for the showy brightness of their flowers, but most of them have their season of bloom in the summer and are therefore of comparatively small commercial value to florists. A few species of Hippeastrum vittatum, however, may easily be had in full bloom by Christmas, if rightly managed, and anything more appropriate or more attracive and longer lasting in Christmas floral offerings would be hard to find. The great merit of some of the newer forms, indeed of every one of the newly introduced hybrids of Amaryllis vittata, lies in the fact that they produce their flowers simultaneously with their foliage, which is not the case with varieties of the original type, which flower first and then develop their leaves. Another point of merit is that these newer hybrids ripen up early, which, after affording them a reasonable period of rest, enables the grower to start well ripened rhizomes into a new growth from early September until the middle of October. Started at that time they will be in their grandest glory just about at the winter holidays. This amaryllis is not particular as to soil, anything in potting soils, not containing green manures, suits them. When in

FIELD GROWING OF NARCISSUS FOR CUT FLOWERS.
Narcissus Stella at Tamaroa, Ill.—Bulbs planted one year.

bloom they want plenty of light and plenty of water. A temperature of 60° or 65° is right during their growing season. The rhizomes, once obtained, can be forced year after year and an abundance of offsets is produced every season.

GERANIUMS.—The first half of September is rightly considered the best time for the propagation of zonal geraniums, when the providing of a good and ample stock for spring trade is to be the issue. Top-cuttings, sturdy, short-jointed and somewhat hardened are to be preferred to any part, soft and immature or too hard and bony. It is better to take off a crop of good cutting now and another one later on, than to make a clean sweep all at one time by making use of anything and everything the old stock plants hold forth. The pieces will likely all root, it is true, but next year's stock will not be what it should be and what it could have been had a more circumspect beginning in the working up of the stock been made. Cuttings of geraniums will root as well in small pots, filled with a sandy soil, as in a regular propagating bed of sand, and the labor of potting up the sand rooted cuttings is thus saved. The young stock should be held at a fair speed of growing in a moderately warm house and care should be had in watering, for overwatering and drip from the roof involves the ruin of more geraniums every year than all other forms of mistreatment. Next to these, and not the least formidable in the long list of potent factors in the destruction of good stock, comes the withholding of sufficient light, air and room, practiced most extensively in the rearing of young geraniums, and always attended by the same results, an abundance of poor and a scarcity of good geraniums the following spring.

HYDRANGEAS.—It is time to lift and pot up field grown hydrangeas. By leaving the plants in the field after this they will lose much in compactness and shapeliness of form, which loss easily outweighs all that was gained by field culture up to this time. It is running a risk to postpone the lifting until a few light frosts have lent a helping hand in ripening the wood, as is the good old custom, always ready and willing to prove a bad one. Pots of ample size and a heavy, well enriched soil should be used for hydrangeas. The pots could remain outdoors for some time yet but should be so placed that their removal to the house or a covering with sashes or protecting shutters could take place at short notice. A complete rest of 10 or 12 weeks under some cool bench during the first part of winter, when water must be but sparingly given, will fit them for being forced.

PRIMULAS.—Most of the stock in primulas of varieties largely handled by florists will now be far enough advanced to be in readiness for the last shift. Primula obconica and P. Forbesi require larger pots than the old Chinese primrose, but it must be remembered that 4 and 5-inch plants are most favored by buyers, and pots should, therefore, not be any larger than absolutely necessary. Leaf mold and finely broken up and well weathered sandy sod in equal parts is a good soil for primroses. Frames that can be tightly closed when needful, are the best place for them for some time yet.

MIGNONETTE.—To be able to cut good spikes and sprays of mignonette in midwinter, when they are most wanted and bring best prices, it is necessary to sow the seeds now. Any one of the improved tall or giant strains will be satisfactory, when under the care of a good grower. The seeds may first be started in 4-inch pots and the plants transplanted into the bench later on, but when a bench or, what is still better, a solid bed is not otherwise occupied and can be had in readiness in time, the seeds should be sown directly where the plants are wanted. In the growing of mignonette good, very rich soil counts for much and there is little use in trying to raise good mignonette in poor and hungry ground. It is best to sow the seeds in hills a foot apart each way, half a dozen or more grains to a hill. When the seedlings are a few inches high, they are thinned out, leaving but one or two of the strongest.

Ficus Pandurata.

ARDISIAS.—Inexperienced growers should bear in mind that from now on ardisias want any amount of air and the full sunshine for the coloring of their fruit. The shading, if such is still in use, can now be dispensed with, but close fitting sashes should be in handy reach at the time when night frosts may be expected. The plants can remain in frames for fully another month, but should then be placed on a sunny bench in a moderately warm house.

E.

Money for Burbank's Work.

The Carnegie Institution, Washington, D. C., has subsidized for a term of years the operations of Luther Burbank, says the New York Sun. A committee consisting of the president and some of the directors of the institution has been organized for the purpose of carrying on a scientific analysis of the striking results in plant breeding secured by Mr. Burbank.

The committee consists of R. S. Woodward, president, and Doctors C. B. Davenport and D. T. MacDougal. This committee has just returned from a visit to Santa Rosa, where a conference was held with Mr. Burbank as to scope. The work will be conducted without any interruption to the series of plant breeding experiments, some of which Mr. Burbank has carried on for 20 or 30 years.

Various members of the scientific staff of the institution will take up their residence with Mr. Burbank and make a close study of his more noted plants. This work has been undertaken for the purpose of gaining information on heredity and evolution.

For several years Dr. MacDougal has been conducting a series of experiments on these lines at the New York Botanical Garden, with results largely confirmatory of the theory given to the world some three years ago by Dr. Hugo De Vries of Amsterdam, that new species frequently develop at once from parent plants instead of always being the product of years of time and a multiplicity of minor changes, as Darwin believed.

Dr. Davenport of the committee has been an equally enthusiastic student of the problems of evolution and is director of the Carnegie Evolution Laboratory at Cold Spring Harbor. Dr. MacDougal is director of botanical activities of the Carnegie Institution.

Among other problems the microscopic anatomy of hybrids will come in for a large share of the attention of the investigators at Santa Rosa.

Comparatively little systematic information as to the manner in which the elements of two unlike plants combine in hybrids exists, and the committee hopes to gain important results.

Incidentally the committe reports that "Mr. Burbank's splendid work has been grievously misrepresented to the public by various newspaper writers, authors of books and others, some scientists and pseudo scientists," while "some of the simplest operations by which Mr. Burbank has been able to bring about the improvement of fruits and vegetables have been enlarged upon in a sensational manner, much to the detriment of Mr. Burbank's reputation, and he has been accredited with performances to which he lays no claim."

As an instance the spineless cactus, to which most wonderful properties have been ascribed, is cited. It has been described as having been produced by Mr. Burbank, while the fact is, according to the committee, that Mr. Burbank is crossing a naturally spineless cactus with a spiny one in an effort to secure a form devoid of spines and spicules and to develop other traits which would make the hybrids valuable as forage and for their fruits.

Much progress has been made on these lines, but the hoped for results are far from accomplished facts.

Long practice, enduring and keen en-

NELUMBIUMS AT "TWIN OAKS," WASHINGTON, D. C.
Peter Bisset, gardener.

thusiasm for this kind of work have, on the other hand, resulted in accomplishments which rank Mr. Burbank as "the foremost plant breeder in America. He works with keen intuition and is able to foretell the probable value of his hybrids by inspection in the seedling stage."

The detail work of the study of the products of Mr. Burbank's plantation will be carried on by Dr. Geo. H. Shull of the experiment station at Cold Spring Harbor and Dr. W. A. Cannon of the Desert Botanical Laboratory, Tucson, Ariz.

All the workers interested and the committee have planned to meet in the near future to mature plans and provide for the continuance of the work.

Nelumbiums.

The nelumbiums, erroneously called Egyptian lotus, is one of our best hardy ornamental and flowering aquatic plants. The name Egyptian lotus conveys an idea of its being a tropical or semi-tropical plant, but it is in no way associated with Egypt or African aquatic plants, the Egyptian lotus being in truth a nymphæa, a blue water lily.

Nelumbium luteum is an American plant and grows luxuriantly in many states from Massachusetts to Florida and westward to the great lakes. N. speciosum and other varieties are indigenous to Japan and were introduced into the United States about 50 years ago, but they were lost. They were reintroduced by E. Sturtevant and N. speciosum was established in a pond near Bordentown, N. J., and since then has become famous as an aquatic plant throughout the United States and the continent of Europe. We are indebted to Japan for the many varieties including flowers of pure white, soft pink to deep rose, and flowers approaching crimson, both single and double, including plants of tall and dwarf growth, suitable for planting in ponds and lakes, or for cultivating in small pools, tubs, etc. They are perfectly hardy when established and will usually need no further care after planting than an ordinary hardy water lily. The roots will not stand freezing any more than the common water lily, and a weak plant is not likely to winter safely, hence the necessity of planting a vigorous rhizome or plant when it is desired to establish a nelumbium bed or plant.

Nelumbiums do not need deep water, but they do need a moderately rich soil, inclined to be heavy. Unlike the nymphæas, toward the close of the season the roots or stolons make a downward growth, sometimes three feet deep or more, terminating with a long fleshy cylindrical root or tuber in which condition it winters over. Tubers should be planted in May when growth commences and conditions are favorable for continued growth without a check. The seasons vary and conditions may prevail two or three weeks earlier southward, or later east or west. Study conditions not dates for planting. In New Jersey the first flowers are usually open by the Fourth of July and continue until the fall.

While nelumbiums are hardy and may be grown under the same conditions as hardy water lilies, they delight in a higher temperature and can be grown successfully where hardy water lilies are next to a failure, or the season is very short. They make a grand addition to the tropical or victoria pond where a section can be devoted to their culture. Indoor culture is not commended.

Nelumbiums may be grown in tubs or boxes submerged in an artificial pond. Only dwarf or moderate growers should be planted in tubs. The stronger growing varieties should have from 9 to 12 cubic feet of soil for each plant, or a box 3 or 4 feet square and 12 or 15 inches deep.

Nelumbiums should not be planted in a running stream or a pond, natural or artificial, that is fed with spring water, such being detrimental to all aquatic plants.

The flowers are very useful for cut purposes, but they are seen at their best when associated with other aquatic plants and foliage.

W. T.

BRIDGEPORT, O.—Misses Clara P. Forbes and Mary M. Donahey have opened up their flower store at 1214 Market street, under the McLure House.

The Economical Use of Slack Coal.

If there be one bill more than another which is likely to be always looked upon with suspicion by the average man, it is the coal bill. He may make a shrewd guess that for ice he is being overcharged; but for fuel, he positively knows that he is being robbed. Probably this feeling, seemingly so natural to him, is induced by the thought that, in the end, all the money which he pays for coal goes up in smoke and is squandered in thin air. Squandered his money is, if his furnace pollutes the atmosphere with inky clouds of unconsumed coal, for black smoke is waste, and waste is an insidious drain on the cash account.

The coal bill, however, may, in most instances, be cut down at least one-half, if slack coal is available at low prices, and the furnace is made to feed upon it. A few aspects of this vital saving will here be discussed briefly.

Before considering how slack coal may be burned in furnaces, it is advisable to have a clear conception of what a fire really is. Combustion, then, is a chemical phenomenon. Carbon (coal) unites with oxygen (air) to form carbon dioxide (smoke). This is accompanied with the evolution of heat and light, which is called "fire." The formula is $C+2O=CO_2$. If the supply of oxygen be limited, much carbon monoxide is formed, $C+O=CO$. This is a loss, as the carbon monoxide would otherwise not have been evolved, or would have been burned to carbon dioxide, $CO+O=CO_2$. Smoldering fires are constantly sending off CO fumes as gas. When breathed, CO_2 suffocates; CO poisons as well. Sometimes this latter gas ignites, or "explodes" with a puff and flash—the CO suddenly burning to CO_2.

But in furnace fires a number of other gases are thrown off, for coal is not chemically pure carbon, nor is air all oxygen. It is the impurities, and the unconsumed particles of coal, that color smoke until it becomes visible, as pure carbon dioxide (smoke) is colorless.

Now the commonest complaint against slack coal must be that it smolders rather than blazes. Of course, it is to be remarked that a fireman need not be a chemist to fire with slack coal, yet a very little chemistry ought not to disable him from successfully burning it. Slack coal is hungry for oxygen; it must have air to thrive. Luckily, most furnaces have a good draft; if not, an addition to the smoke stack will assure draft. On this account also, it is much easier to be burned in winter than in summer, owing to the greater speed with which the stack empties itself in winter, because of the greater difference in temperature then between the cold air outside and the hot smoke.

So, after all, the apparently mysterious trick of firing with slack coal resolves itself into the simple trick of supplying the fire with air. A forced draft may be used; a high stack built. Other ways readily suggest themselves. Of these, the most natural, and easiest applied, is to mix the coal with a quicker burning fuel. Sawdust has been tried with success; shavings are available around shops, and are excellent for the purpose; cobs are usually to be had near towns, since many grain elevators are displacing their obsolete steam engines with modern gas engines.

In some respects, cobs are best; but any mixture of vegetable or timber scraps serves admirably. Tree tops, old, rotten logs, or stumps, not good enough to be used as fuel alone, aid slack coal to burn. The reason for using a mixture is that the tendency of fine slack coal used alone, is to mass together and so exclude the air, while the shavings, or cobs, or wood, hold the mass apart,

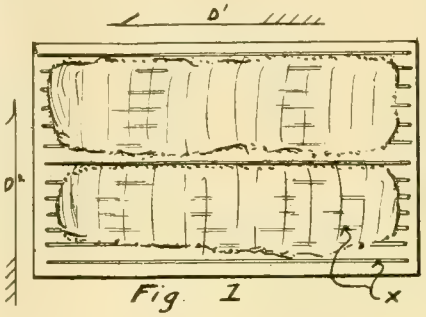


Fig. 1

The Use of Slack Coal.

and, when burned, leave spaces and tunnels through which the air can get to the coal, already afire from contact with the more combustible ingredient of the mixture. By this method slack coal may be burned in the most obdurate furnace. It is only a question of intelligent experiment.

To start a slack coal fire, about two shovels of shavings, or kindling, is required. Over this is spread a thin layer of coal. As this charge burns out, a mixture of coal and shavings is put on carefully, so as not to smother the fire. The charge is repeated, each one being larger and fuller of coal until the maximum per cent of coal which the furnace

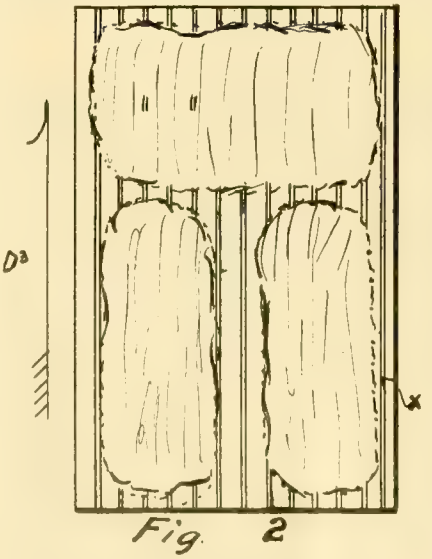


Fig. 2

The Use of Slack Coal.

will burn without coaxing, is reached. The fire must at all times be maintained as evenly as possible over the grate so as to force the air to become heated by coming through the incandescent coal. The thickness of the fire may be 4 to 6 or 7 inches.

Over the oblong grate the coal usually burns best spread out level. To hold the fire in this style grate the coal should lay as much as possible in flat loaf shape, either one large loaf in the center, or two smaller ones with thinner spaces in center and around sides (Figs. 1-2). In the circular type of furnace it burns best when located in the center, stacked and built up so as to allow plenty of air to come up all around and under it. As it burns, cracks and chambers form in these masses, which further assist combustion by providing new air passages (Fig. 3—a and b).

For experimental purposes, temporary air tubes may be let in over the grate, as in Fig. 6. A permanent means of supplying air is shown in Fig. 4, adapted to horizontal boilers. A chamber (C), over which the fire and smoke passes, warms the air as it goes through to the outlets, B1, B2, B3. No furnace which depends altogether on the grate for fresh air can completely burn all the gases formed, unless so much air is let in the fire doors as will materially reduce the effective heating of the boiler. Heated air does not debilitate a fire, as does cold air, by absorbing heat energy. In Fig. 4 it will be observed that provision is made to supply the fire with heated draft at (1), just about where the air let in at the fire door, and up under the fire bars, is rapidly becoming exhausted of oxygen. The supply which is provided for at (2), oxidizes the heavy gases, while that at (3) allows but little, if any, escape of valuable gases.

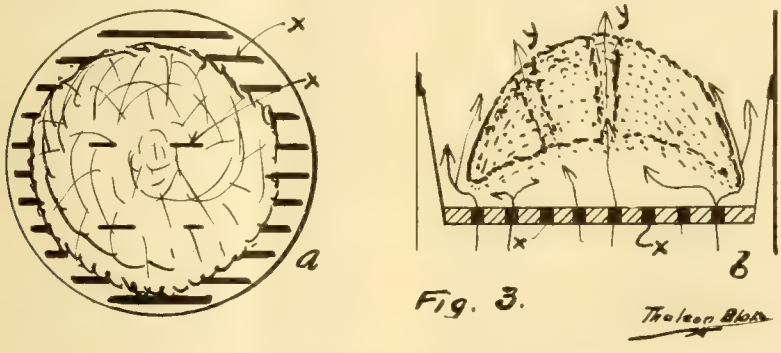
A system, such as is exemplified in Fig. 4, is a valuable addition to any furnace for any kind of coal, because, as explained above, since combustion is nothing but carbon plus oxygen, with the evolution of heat and light (vibrations), —why, the more oxygen, the merrier dances the fire. It is not the fineness of dust coal that alone hinders its free combustion; the impurities take up much of the vitality of the struggling fire, and, although their sulphurous gases will burn, it is only in the presence of much oxygen.

In the circular type of furnace, two methods of providing liberal quantities of fresh, heated air are shown in Fig. 5. These are especially valuable. The air, coming up at (F), is heated before it comes out above the fire to mingle with the flames and fumes. A row of these (F) tubes may be let into the furnace from a number of points around the grate; they may come up inside so as to heat the air, in which case they are short lived; while by coming up within the walls, only their spouts are in contact with the flames.

Air may be sent down through a tube at (P), in which it becomes hot before reaching the flames. In either system, Figs. 4 or 5, the idea is to give the fire a supply of heated air above the glowing coals, which assures a more economical fire, by getting the utmost amount of heat units out of the carbon itself, and to prevent the waste of burnable gases, if these escape final transformation by the air coming in the door, and through the grate.

It is to be recommended that a person who wishes to use slack coal in his furnace, begin conservatively to try it. The remodeling of a furnace should never be attempted except under competent advice, and then only after the owner is satisfied that it is impossible to procure shavings, cobs, wood scraps, and so forth; and that it will not burn fine coal without them. Not that there is any doubt concerning the economy of the im-

provement, but there may be several reasons why a person may not like to burn slack coal. If he have twenty other tasks to perform, slack coal may not hold fire long enough to enable him to do three men's work besides.



THE USE OF SLACK COAL.

It does not require much more attention to fire slack coal than lump, but it does some; especially if the boiler is too small for the demand put upon it. Slack coal burns all right—hotly, quickly; but it is true that it cannot hold fire as long as the large lump coal. Being charged with a little at a time, it must be charged oftener than large piece-coal has to be. This is practically all the difference between burning the coarse and the fine coals. The cost is what differentiates them. The man who can burn it, can have a balance in his pocket which else would be circulating among coal barons as dividends.

THALEON BLAKE.

CHRYSANTHEMUMS

Cultural Notes.

This is the month in which most of buds must be taken and this is a work that requires much care and consideration. To lay down a rule or a date for each variety is not an easy matter as it all depends on each individual plant, the length of time it has been planted, the length of the growth and the general condition and vitality of the plant. A crown bud taken at the right time will generally give the best and largest flowers, but in many cases if it is taken too early it will have a poor color and poor development. It is always a little safer to take a bud a little later than the dates given in the catalogues rather than earlier. With most of the mid-season varieties, and that means most of the exhibition varieties, it is safe to take the buds after August 15, and as a rule better flowers will be obtained if taken then than if taken either later or earlier. After September 1 one can take anything.

Of course the very early varieties including Monrovia should have been taken as early as the middle of July and these buds should now be well under way in development. These very early varieties should have a dose of manure-water at least once a week from the time the bud is as large as a pea until it shows the first signs of color. A good deal of care and experience is necessary to obtain the best results, to get just as large flowers as possible and still not to have the buds bursting or deformed or discolored, all of which can be caused by overfeeding.

What to use is another question which depends a good deal on the soil and what is most handy to obtain, but I have secured the best results from a rotation of cow, sheep and chicken manure and occasionally a little nitrate of soda or night soil. Care must be taken not to have these too strong, especially the last two mentioned. Horse manure may be used with fairly good results.

There is one thing about the feeding that I want to emphasize and that is the condition in which the plants should be when liquid manure is applied. It is a general belief that plants should be rather wet when the application is made. Now, I do not believe in giving a dose of manure-water when the plants are wet and not in need of either water or stimulant. A man does not drink when he is not thirsty, and be it ever so hot a day a cold drink of beer or wine does not taste half so good when one is not thirsty as when one is dry. I look at plants in the same way. If they have just been filled up with water they do not need nor enjoy the stimulant given them any more than does a human being or an animal.

I am aware that there are many differing opinions and I know that many good florists have said and will say to me when I apply the liquid: "That man is crazy, he will ruin his plants." Did I ever ruin them? Not much. But, of course, it must not be overdone nor given while too dry. If given in the morning before the sun is high and followed up with a little clear water and syringing they receive the nourishment just when they need it. It should be used rather strong, too, after they get used to it.

The plants should now be kept well tied up. All suckers and sideshoots should be picked off. Now is the time of year more than any other, just before and after taking the buds, when the plants need all the strength they can get.

A mulching of good old rotted manure, either cow or horse though the latter must be old and very well decayed, is very beneficial as it keeps the sun from drying out the plants and the soil from baking, and it stimulates the plants and gives them a little extra manure-water at every watering. If a few leaves at the bottom of the plants are decayed or turning yellow it will do no harm to pick them off, as such a course gives more air and a freer circulation for the plants and leaves that are left.

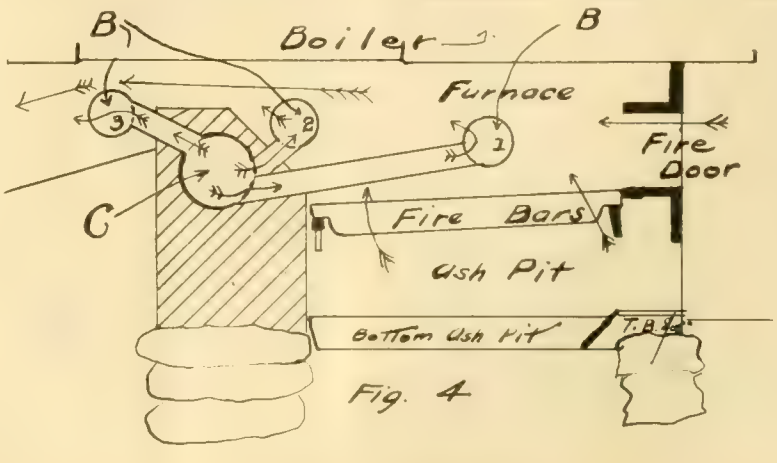
G. T.

Corythuca on Chrysanthemums.

Where the plants are kept under glass all summer, and the humidity encouraged, there need be no fear of this destructive pest and his co-worker, the red spider; but many of the southern retailers, still grow the chrysanthemums for their local trade, in the open and cover them at blooming time.

If the summer is dry the corythuca is liable to destroy the whole crop and never be detected. His work is on the under side of the leaf, and may be taken for the effects of hot and dry weather. They huddle together on a leaf and leave it for another as soon as their work is well done. Should the plant be jarred or shaken they make a dive for the ground and are seldom seen unless the grower has made their previous acquaintance, and is on the lookout. They work so close together that they may be taken for a mass of scale, but under a strong reading glass they resemble a feeding flock of dirty angoras with abnormally large horns. These horns are the wings.

If some of the middle foliage of the chrysanthemums has the appearance of being parched by the sun, it is a good plan to give the under side of the leaves two or three sprayings a week of dilute kerosene emulsion, using for the pur-



THE USE OF SLACK COAL.

pose a crooked neck syringe that will throw the spray at right angles to the barrel. By placing this beneath the plant the emulsion strikes the under side of the foliage. Should any mealy bug be lurking there he is a victim of bad company. D.

THE ROSE.

Seasonable Suggestions.

The young stock whether grown on the raised or solid beds, should have reached by this time a stage where considerable tying must be done in order to allow sufficient air and to ripen the growth, that at this season makes rapid headway. It will be found on close observation that where tying has been neglected, the softer growth somewhat shaded is the first to succumb to mildew, whereas the top growth receiving the benefit of more light and air ripens quickly and remains clean.

However, the muggy weather we have experienced this summer, and which seems to be universal, has kept the grower on the move with the sulphur blower, which if used regularly and often will keep the stock comparatively clean. Of course, cultivation of the beds must continue for some time longer or until the roots come near the surface of the soil. And when the young plants have attained sufficient size it is advisable to let a few flowers come on these plants; perhaps only one to a plant. This must be left more or less to the judgment of the grower but, to be plainer, very often a plant which has reached say a height of 18 inches may have from two to six buds showing, some with very short stems and others very strong. To allow them all to bloom would naturally retard the growth of the plant very much. The shorter stemmed could be removed, allowing one or perhaps two of the strong canes to mature. Very often these strong canes grow so rapidly that the buds will become deformed; but if allowed to bloom they can then be cut back to plump eyes, which invariably break strong, giving perfect flowers.

These requirements are only noticeable to the close observer, and if the flowers are allowed to have their own way, as is often the case, as soon as the plants reach a fair size, they become exhausted after the first crop has been cut. I claim, therefore, that there can not be too much care taken in disbudding and building up the young plants, so that when they are ready to produce flowers, they will also show different stages of growth promising continuous cutting.

It will only be a few weeks longer before the benched plants will require a light top-dressing of some kind, and this should be prepared beforehand. If one has some well rotted cow or horse manure, this should be kept turned until it is fine enough to pass through a sieve of half inch mesh. It is not necessary to sift it but it can not be broken up too fine. After it is pulverized it should be kept in a dry place for future use.

Pulverized sheep manure is always desirable for a light top-dressing, but where one has an abundance of either cow or horse manure, that will answer, half of each being preferable. Very often just when we think the plants need a little top-feeding we are not prepared to give it to them, so beginning in time often means dollars to the good. This not only in reference to the one thing but to many for to be successful with roses one must be prepared to give them just what they require at the right time. E.

Average Yield of Roses.

ED. AMERICAN FLORIST:—

Please let me know through the columns of your valuable paper what the average cut should be during a season on 6,000 roses; 2,000 Bride, 2,000 Bridesmaid, 500 Richmond, 500 Killarney, 500 Perle, 500 Golden Gate.

BEGINNER.

An average of 35 or 40 buds to the plant would be a fair yield cutting from October 1 to July 1, the cut sometimes exceeding this average under the most favorable conditions. As I have not grown Richmond and Killarney in sufficient numbers to state an accurate average, and as Perle is rather a slow bloomer in mid-winter I think it will be found that the above figures will be reached with careful handling of the stock. E.

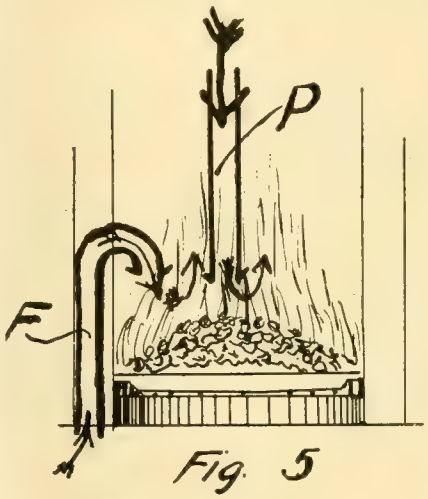


Fig. 5

The Use of Slack Coal.

EL PASO, ILL.—Chas. L. W. Snyder of the C. E. Brady Co., of Eureka, Ill., has purchased all other interests and has organized a new company under the firm name of the El Paso Carnation Co. This firm is erecting 20,000 feet of glass in this city.

THE VIOLET.

Seasonable Notes on Violets.

Violets in the field in our section of the country (Michigan) have not done as well this year as others, on account of the hot, dry weather. This is the time the red spider does its work. If the plants in the field have red spider on them, make a solution of ivory soap water and go over them with a spray pump two or three times before planting them in the houses as they are much easier to handle outside than in the houses.

We arrange to have all of our violets planted by August 15. There should be a light shade on the houses before commencing to plant, and if the soil is very dry see that it is moist when ready to plant, so that it will not be necessary to soak them after they are planted, as it is best only to water around the plants until they are well established.

Syringe them two or three times a day for a few days after planting, and later syringe them every other day in bright weather. Give the plants all the air possible and in the fall let the temperature go down to freezing. One light frost does more good than anything you can do for violets.

ELI CROSS.

Coleus with Edible Tubers.

It appears that in the west and central portions of French Africa, according to recent French writers (Chevalier and Perrot), four species of coleus are cultivated for their tubers. The most prominent of these is Coleus rotundifolius or Madagascar potato. This species it appears is also cultivated under different names in Java, Ceylon and the East Indies. There are a number of varieties of this species. C. dazo is also cultivated on a large scale in Central Africa, producing a tuber which differs considerably from the Madagascar potato, and which it is believed is destined to take a prominent part in the future of tropical agriculture.

A third species, C. langouassiensis, cultivated locally in the vicinity, appears to be the heaviest yielding of the three varieties noted. It is believed that all of these species will prove of great importance to Europeans living in tropical countries. A minor species is C. Brazzavillensis. Yields of 30 to 40 tons of tubers per hectare are reported.

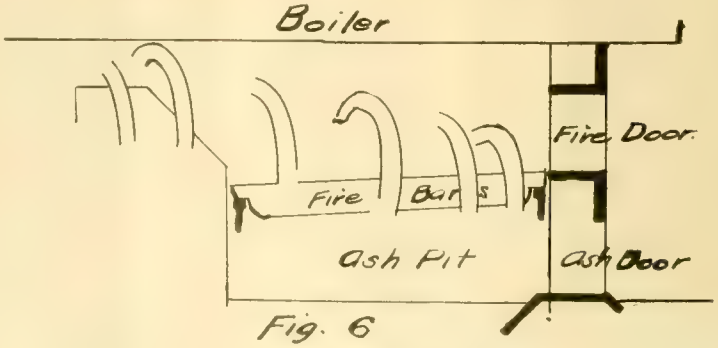
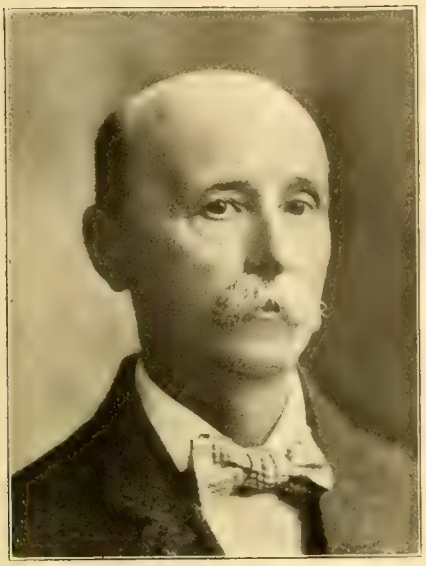


Fig. 6

THE USE OF SLACK COAL.



Chas. Lutzenberger.
Chairman entertainment committee.

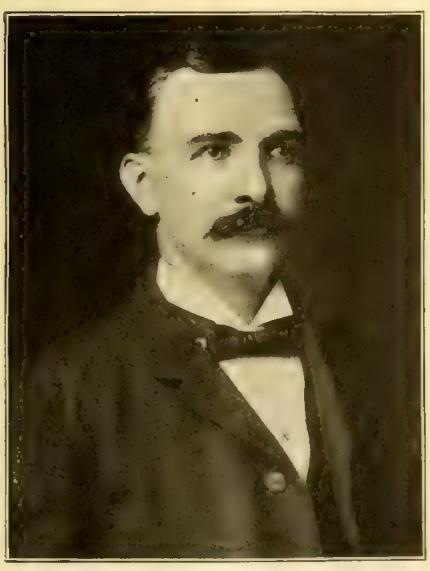
J. B. Heiss.
President Dayton Florists' Club.

F. W. Ritter.
Chairman reception committee.

Miss Minnie Johnson.

Mrs. B. Hendricks.

Miss Lucy Johnson.



H. M. Altick.
Chairman sports committee.

Horace M. Frank.
Exhibition superintendent.

H. H. Ritter.
Treasurer Dayton Florists' Club.

SOME OFFICERS AND MEMBERS OF THE DAYTON FLORISTS' CLUB.

THE CARNATION.

Seasonable Notes.

Most growers have finished housing their carnations by this time. Now all energy should be bent to get them started as quickly as possible in the benches, as soon as they have taken good hold of the soil, which will be about a week or 10 days after benching. All shading should be removed from the glass and watering attended to most carefully.

It is necessary to look over the benches at least twice a day and watch for any dry places that may appear. All plants should be syringed once on every bright day, but always have that done not later than two p. m. so as to give the plants a chance to be thoroughly dry before night.

Opinions differ greatly as to whether to keep the plants rather dry after benching or to water them liberally. I am in favor of the latter provided the plants are in a healthy condition and have taken hold of the soil in the benches. By that I do not mean to keep the soil soaked with water all the time, but only to apply it freely when in need of any. There can not be any set rules as to how to water plants, as it all depends on their condition as well as that of the soil. By using water rather freely the life of some plants that are diseased in some way or other may be shortened, but it is much better to have them go now than later on, as they can be replaced easier, and catch up with the other plants; whereas if you are filling in plants late in the fall you will find that they never amount to much as far as producing fancy blooms is concerned.

If some diseased plants are discovered on the benches do not try to doctor them up, as it involves only waste of time and endangers the surrounding plants. Pull them up carefully and burn if possible. Dig up the soil in and around where they have been and let it get thoroughly dry; then apply air-slaked lime (about one handful to each plant) and thoroughly mix with the soil and then fill in your plants.

The surface soil of all benches should be kept loose at all times which of course will keep the weeds down as well as keep the soil in perfect condition. Never allow the weeds to get established. They take the strength of the soil as well as have a tendency to make the plants spindly and long jointed, which of course should be avoided at all times. Pinching should be continued for a few weeks until the desired size of plants has been obtained, but not later than August 25 if a good crop for early fall and winter is desired.

J.

To Heat Carnation Houses.

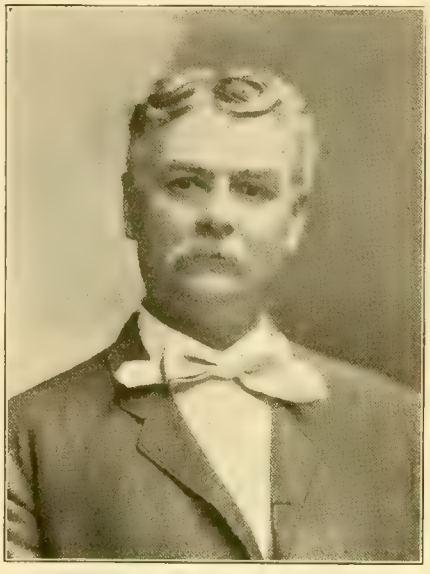
ED. AMERICAN FLORIST:—

Kindly advise us through your columns the size of pipe required for overhead feed, and the number of 1¼-inch pipes on each side of houses, also size of returns to boiler for hot water heat to be used in three houses each 16 x 30 feet, with 4-foot walls to be used for carnation plants. Also advise if pipe should be under benches, or if same may be placed on side walls. Boiler is rated at 825 square feet and is an Ideal No. 213 A.

F.

It will be well to use 3-inch pipe for the main floor and return, with a 2½-inch flow and return to each house. The latter size may be used for the overhead flow in each house, or two 2-inch pipes may be used instead. For the returns, ten 1¼-inch pipes may be used, although eight 1½-inch pipes would be better. If some of the pipes can be under the benches it will be found beneficial, but to have at least two on each of the walls will also be desirable. There should be no difficulty in heating the three houses with an Ideal boiler rated for 825 square feet.

L. R. T.



Herman Haerlin.
Chief gardener at National Military Home, Ohio.

Copper wire rings to prevent bursting of carnations.

Carnation Bud Supporters.

In our issue of May 12, in a description of the carnation growing establishment of E. L. Enggren, Acqueduct, L. I., N. Y., mention was made of a ring support used to prevent bursting of carnation buds. The picture herewith shows buds bearing rings, and a fully developed flower from which a ring has been removed. As will be seen the flower shows practically no mark or disfigurement. The advantage gained by the use of these rings is considerable, as almost every flower showing a bursting tendency can be cut and graded.

The Jamestown Exposition.

TWO MILES OF FLORAL FENCE.

The Jamestown Ter-Centennial exposition, to be held on the shores of Hampton Roads, near Norfolk, in 1907 will have a most beautiful and novel fence to enclose its extensive grounds. The design is a new departure from the old style high board fence seen at former expositions. The Jamestown fence will be beautiful as well as useful, a quality that was sadly lacking at the other expositions.

Owing to the fact that the landscape feature of the Jamestown celebration is to be one of the great attractions at the exposition, the idea presented itself to Chas. H. Pratt, superintendent of the grounds, that it would be an excellent plan to include the surrounding fence as one of the features of the landscape design, thus giving the whole site the appearance of a beautiful private park, such as might be seen surrounding some of the royal palaces of foreign countries.

The total distance around the exposition grounds is about 17,000 feet, but the site is so situated on Sewell's Point that only about 11,000 feet of fence had to be erected, the waters of Hampton Roads making a natural boundary for the remainder.

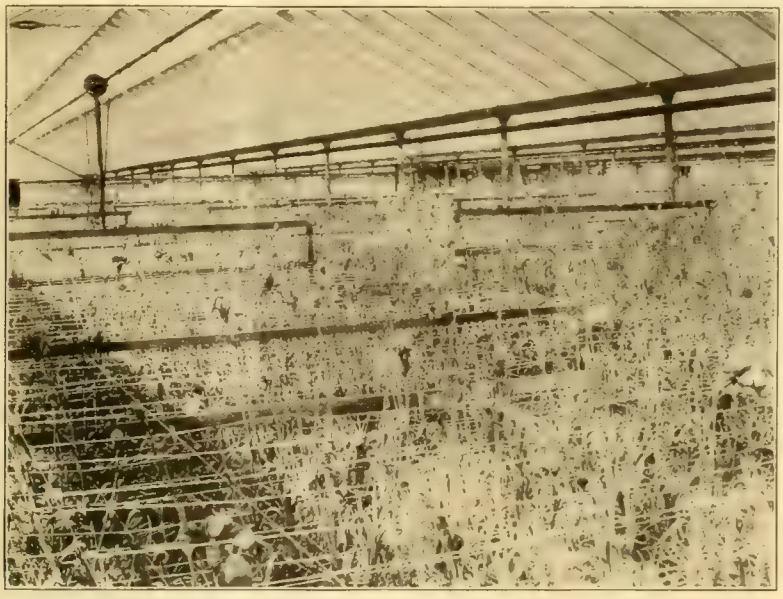
The fence, which is constructed of wire mesh and heavy barb, is covered with vines systematically planted so as to make an impenetrable barrier of beautiful foliage, giving the effect of an enormous hedge. The wire mesh, which is of the best quality, is about five feet wide, costing $130 a mile. Above this mesh are stretched three strands of heavy barb, bringing the total height up to seven feet. Surmounting the whole, and stretched on cross beams at the top of each post, are five more lines of barbed wire, making the fence a most formidable barrier.

The vines for the fence were planted in May of 1905, and as they are native to the southern climate they are already of a very dense growth. At each post has been planted a trumpet vine, with marvelous success, and between each post a crimson rambler rose bush has been planted. Between the trumpet vines and the rose bushes, honeysuckles have been trained, so that the entire fence will be covered with a fragrant mass of flowering beauty.

Mr. Lavalle, a distinguished architect from Boston who was the guest of Mr. Pratt at the exposition grounds recently, was most enthusiastic about the general landscape design, and especially in regard to the fence, about which he said: "It is one of the most beautiful and

novel things I have ever seen, and I would feel that my trip had been amply repaid if I had seen nothing else."

At the Lewis and Clarke exposition at Portland, Ore., last year, the authorities erected an immense water tank, in a prominent position on the grounds. The tank, being of a plain wooden construction, was looked upon as an eye-sore, which marred the general appearance of the exposition, until Oscar Huber, director of works, conceived the idea of growing vines over the entire tank. Within a few months, the vines, which grow with great rapidity in that section of the country, had grown over the entire structure adding a unique feature to the general display. Thus it is seen that with the aid of nature, some of the homeliest structures can be made most attractive.



INTERIOR OF E. L. ENGGREN'S DIETSCH PLAN GREENHOUSES, AQUEDUCT, N. Y.

WITH THE GROWERS

Schneider & Noe, Congers, N. Y.

Some of the best carnations received at the New York market are shipped from the establishment of Schneider & Noe, of Congers, N. Y., in the back hills of the Hudson river, and directly on the line of the West Shore railroad. Joseph Schneider and John Noe are cousins, and were born and educated in Strahlfeld, Bavaria, where also they got their primary knowledge of the art of floriculture. Nineteen years ago Mr. Noe came to this country, and Mr. Schneider joined him a year later. After spending three or four years working at different private and commercial establishments they located in Congers, built a 200-foot house, and started growing carnations for the New York market. Working early and late, and striving to produce quality rather than quantity they prospered until today they have 27,000 square feet of glass, embodying three houses 15 x 200 feet, one 25 x 200 feet and another, built last year 30 x 200 feet. The varieties of carnations grown are Pink Lawson, of which the firm thinks a great deal, Lady Bountiful, Enchantress, White Lawson, Red Lawson, and Variegated Lawson, the latter a type originating in the establishment. These carnations the firm has found from experience to be good profitable market varieties, and to do well in available soil. All hands are busy now benching plants. The largest house is benched with 8,000 plants of Enchantress and Pink Lawson. In benching the plants in the field are carefully gone over and picked out for size. Experience here teaches that where the plants in a house are absolutely uniform in size considerable time is saved when the crop is ready for cutting, owing to greater equality in blooming.

Water is supplied to the establishment through a 5,000 gallon Caldwell tank. This tank was formerly filled by a windmill, but this system being unreliable they have just installed a Gould electric pump and a Wagner 2-H. P. motor operating it from their lighting current. A drilled well provides the water. The well fittings and pumping outfit cost in the neighborhood of $800, but the firm considers it an excellent investment. The only regret is that a larger tank was not installed. The firm express great confidence in large houses, pointing to the fact that the carnation blooms coming from their largest house last year were much superior to those cut from the smaller houses.

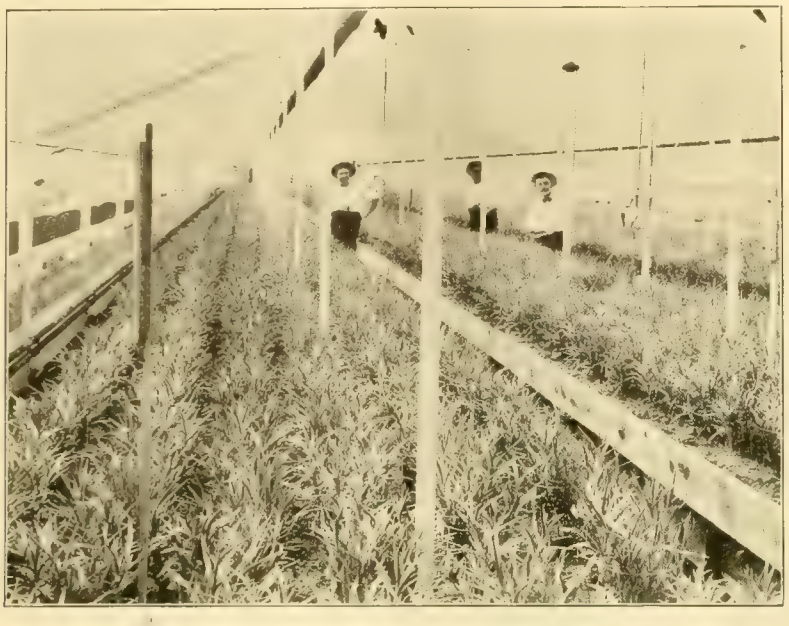
FIRM OF SCHNEIDER & NOE, CONGERS, N. Y.

Joseph Schneider. John Noe.

Geo. T. Schuneman, Baldwin, L. I., N. Y.

The establishment of Geo. T. Schuneman, Baldwin, L. I., 21 miles from the New York city hall, has long been known to the trade as devoted exclusively to the production of violets. While perhaps at times little smaller in size than the upper Hudson violets they have always been remarkably fragrant, a quality which more than atoned for any diminution in size. Mr. Schuneman, however, is now of the opinion that violet production has vastly exceeded the requirements of the New York market, and that shipments to long distance markets prove anything but satisfactory, consequently he has this year planted but three of his houses with violets, and has utilized the remaining six houses for carnations, which he grew last year with great success. The violet houses at this time are in fine shape, the plants all healthy and building crowns unusually strong, and promising a crop before the end of September.

The carnation output is practically confined to one variety, Goethe, which in this section is prolific, flowers and stems being of quality and size to insure good prices in the market. Part of one house is used for growing the Red Sport from Maceo, which Mr. Schuneman considers a good market variety. The carnation plants are



ESTABLISHMENT OF SCHNEIDER & NOE, CONGERS, N. Y.
House of Enchantress and Pink Lawson carnations.

benched in rows with the plants alternating so that instead of having rows of plants laterally across the benches, the stringing runs at an angle of about 80°. Mr. Schuneman claims that when planted this way the plants have more room, as they are free all around. In the extensive grounds surrounding the greenhouses is a large patch of cosmos, and cosmos is grown as a front hedge or screen to the range of houses. There is also a very fine lot of young privet plants coming along, about 45,000 in all. The soil hereabouts seems to be ideal for privet. A thick hedge of it surrounds the 6-acre plat, and in beauty and condition could hardly be equalled anywhere.

Like many Long Island growers Mr. Schuneman has had to rely on a windmill for water supply, and at times has been seriously inconvenienced through lack of wind to run the mill. To obviate this contingency he has installed in his boiler room, which, by the way, is in the basement of his dwelling, an electric triple cylinder electric pump and one H. P. motor, which is operated by power from his lighting station, and necessitates an expense only of about six cents per hour. Scallay boilers are used in the heating plant, and seven of the houses are controlled from the dwelling house, so that in inclement weather, or at any time, it is not necessary to go outside to control the greenhouse temperature. The two other houses are heated by a separate boiler, and form an independent plant. Mr. Schuneman has been in his present location many years, and the neat, tidy and ornamental appearance of his establishment and grounds would give the impression of a private gentleman's establishment rather than that of one in commerce.

INDIANAPOLIS, IND.—Anthony Wiegand and wife will leave on a Honolulu pleasure trip after attending the Dayton convention, sailing from San Francisco September 4.

Horticultural Botany.

Paper by L. C. Corbett, Washington, D. C., read at the fourth annual meeting of the Society for Horticultural Science, New Orleans, La.,

As the title of this paper would indicate, we are to concern ourselves, in the present discussion, with plants which have been brought under the influence of cultivation, and have, therefore, departed from their original or specific types. Darwin was sufficiently interested in this subject to write a book upon it, but in the short space of time allotted to this discussion, and the limited opportunities of the writer, it will not be possible for us to discuss the subject in a manner fitting its importance. We must, therefore, content ourselves by merely referring to some of the problems in horticultural botany which are now before the students of cultivated plants. It is natural for the horticulturists, in attempting to determine the position occupied by any plant with which he is working to refer to works upon botany. Let us first ask the question to what extent the botanists have been and are assisting the horticulturist in his work. The systematic botanist can be relied upon, so far as generic relations are concerned, but when it comes to the more minute and detailed study of cultivated forms we find little help or solace in studying the work of these systematists. They drop their investigations just where we begin. They content themselves with studying what they consider to be fixed forms, at least sufficiently fixed to be worthy of distinction as species. The species of the botanist is the starting point of the horticulturist.

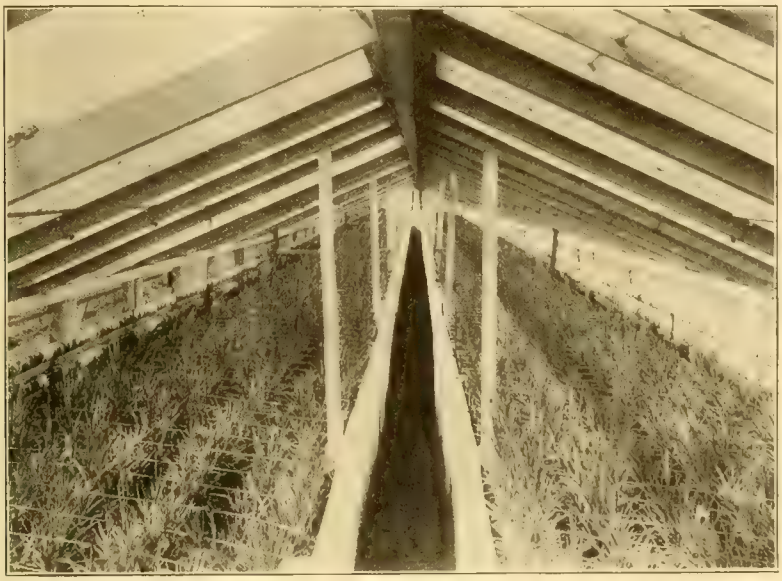
We are concerned with the economic aspect of the problem, and are not so much concerned with the natural relations of the plants in feral nature. The innumerable forms which naturally arise when plants are released from the struggle for existence, which binds them down and holds them to specific types under natural conditions, are only too familiar to the horticulturist. This maze of difficultly classified material has, it would seem, been an impenetrable wall against which the efforts of the botanists have been unavailing. Botanists have found defence in the argument that the forms which originate under cultivation, and which, for convenience sake, are called by horticulturists, varieties, are not sufficiently marked and sufficiently fixed to justify the title of species. Therefore, they are beneath the dignity of systematic consideration. What are we to do? Are we to abandon the struggle and to consider the products of our efforts unworthy of distinguishing names and specific classification similar to that accorded to forms which have through generations been built up under natural conditions? The market gardener and the fruit grower are not concerned with a sufficient number and variety of these plants to give the matter any con-

ESTABLISHMENT OF SCHNEIDER & NOE, CONGERS, N. Y.

sideration. For the man, however, who is interested in improving any strain, variety or race of economic plants, the problem at once assumes great importance. It is impossible to intelligently undertake the systematic improvement of any horticultural variety of plants without knowing something of the history, relations and tendencies of the plants with which one is to deal. Without, then, some system of classification which will assign these products of our efforts to definite places it is impossible for us to in any way predetermine what the results of our efforts may be.

The subject of plant breeding has of late assumed wonderful economic importance. The disclosures of the Mendelian theory have placed plant breeding upon a comparatively safe basis. Instead of working entirely in the dark and securing indifferent results, the plant breeder now knows that by pursuing certain methods for a definite period results of no uncertain character are bound to follow. This, then, places a new importance upon the subject of horticultural botany, which, previous to this time, it has not carried. The course followed by systematic botanists in determining the position of genera and species is not sufficient for the work which is before the student of horticultural botany. External characters, which are in themselves sufficient to determine the varieties, fall short of giving the distinction necessary for the future work of the plant breeder. The type of horticultural botany, therefore, in which we should at the present time interest ourselves is a type which will carry not only a description of the variety sufficient to distinguish that variety from all others, but shall also include a brief hisory of the plant, to show its relations to others which have been developed or which may be developed later. It is also of great importance to the plant breeder to know whether or not the particular variety with which he is concerned carries as its important commercial factor a dominant or recessive character. Such work as this must ever fall to the student of plants under cultivation. During the last few years important movements along this line have been made. The horticulturists, or the students of plants under cultivation have, for insance, concerned themselves with the study of the cultural forms which have arisen from the eight species of lettuce recorded by botanists. When this work was begun the record of plant forms was confined to a discussion of these eight or more species. When Mr. Tracy completed his study of the culture forms of lettuce he found it necessary to describe distinct sorts. When Professor Bailey undertook to study the native plums of America, which had been included in three or four species, he found it necessary to erect several new species and to classify many of the varieties under these new divisions. As a further instance of work of like character, Isish's study of beans is worthy of mention; also Waugh's study of the lilies, and Beach's study of the apples of New York. These I cite as important steps in the right direction.

In undertaking a work of this character, one of the problems with which the student is at once brought face to face is that of nomenclature. Horticultural nomenclature has become endlessly mixed because many of the horticulturists are not systematic botanists and because some horticulturists, for commercial or other reasons, wishing to provide high-sounding and catching names for plants in order to sell them, have taken the botanical names and tacked on such prefixes and endings as "Florabunda," "Floraplena," etc., for the purpose of distinguishing some form of superior merit, with the result that it is difficult to determine, in many instances, just what particular plant was under consideration when the names were given. Then, too, the unsettled condition of botanic nomenclature itself has placed the horticulturist, with his limited knowledge of botany, in a very awkward position. It not unfrequently happens that we find the same plant described by different authors under two or three different names. This is very confusing and leads to distrust on the part of the purchaser. For instance, I may be an admirer of shrubs, and I purchase a shrub from A under one name, from B under another, and from C under still another, supposing that I am paying for three different plants. When these come into bloom and I find they are all identical, I am at once impressed with the dishonesty of the dealers in sending out the same thing under three distinct names. Each one of these introducers or disseminators may be absolutely honest and sincere in his work, and yet because the authority which he has used in naming his plants is different from the authority used by another, the catalogues give the appearance of dishonesty. Here is then a point



ESTABLISHMENT OF GEO. T. SCHUNEMAN, BALDWIN, L. I., N. Y.
House of Goethe carnations.

ESTABLISHMENT OF GEO. T. SCHUNEMAN, BALDWIN, L. I., N. Y.

upon which there is an opportunity for doing some work of actual value. If all horticultural writers will decide to follow some standard work upon horticultural subjects, such a multiplicity of names for a single object will be avoided. While I have no authority to bring before this meeting any work which should be taken as a model, it is my belief that in general we would be safe in following the nomenclature adopted in Bailey's Cyclopedia of American Horticulture. This work has the advantage of being new and up-to-date, and purely American. True, it does not go into details in all cases to the extent that it is frequently desirable for students of cultivated plants to carry their studies, but when it comes to the consideration of varieties, if one will take the trouble to search out the introducer and determine the name under which any variety was introduced, this will form a safe basis for the study of all cultural varieties. For the avoidance of future complications from duplication of names, the renaming of old sorts, and various unnecessary and undesirable complications of this character, I wish at this time to call attention to a paper which I prepared in 1897, and which was presented at the Minneapolis meeting of the Association of American Agricultural Colleges and Experiment Stations. This was a report of a committee appointed to consider the feasibility of establishing a bureau of plant registration, the object of which should be:

First.—To discourage the duplication of names and the renaming of old sorts for commercial purposes.

Second.—To form a national herbarium of economic plants, which shall be made up largely of type specimens.

Third.—To simplify the matter of nomenclature.

Fourth.—To aid the student of varieties as well as of variation of plants under culture.

Fifth.—To secure the originator of a truly valuable variety some reward for his labor, the same as is now accorded the inventor.

The idea set forth in this paper was that in the case of the use of like names by different originators, before they were published and became common property they would first be submitted to the bureau where the plants would be registered and preserved, and where any such duplication would be detected. The originator's attention would thus be called to the necessity for modifying the name because of the fact that it had already been employed for the purpose of distinguishing or designating a variety belonging to the same family or group. I have not yet abandoned the hope that at some time there may be connected with the horticultural work of the U. S. Department of Agriculture an office which shall carry out in more or less detail the ideas proposed for this bureau of plant registration. There are at the present time a number of factors in the work of the department, which, if properly co-ordinated, would make it a comparatively easy matter to accomplish this work, provided we could secure the active co-operation of those engaged in plant production and dissemination.

The importance of uniformity in plant names is greater at the present time than ever before, because of the great demand for plants to use in the decoration of home surroundings. There is an ever increasing demand for the simple, old-fashioned plants of our grandmothers' gardens, and an increasing demand for plants indigenous to the region. Many of our nurserymen are alive to this movement and are providing themselves with large stocks of our native trees and shrubs, and they should pay special attention to the naming of these sorts as they are put upon the market in order that confusion in the future may not arise. Another important and gratifying sign of the times is that common names are being largely replaced by scientific or botanic names of a binomial nature. In cases where botanists are in dispute over the correct authority, it would, in my judgment, be wise to follow the precedent established by Bailey in his cyclopedia, and use both names, so that no matter what the final decision of the botanists may be the book or writing will stand the test of the decision. It is unfortunate that this is necessary, but so long as two schools of botany exist with opposing view points it will be necessary for the botanic artisan to recognize both names in order to prevent confusion and deception.

The more detailed work of the student of cultivated plant forms, to which I have already alluded, that is, the study of cultural varieties, is admittedly more difficult than the study of natural species, but in the case of plants from which great numbers of horticultural varieties have been developed, the need for systematic study and arrangement is very great. It is absolutely impossible for the student of pomology, not familiar with a great number of varieties of apples to take Downing's monumental work and determine the name of a variety with which he is not familiar from any specimen brought to his attention. Given a specimen and the supposed name, Downing's description merely answers the purpose of verification. It is simply a court of last resort. There is no systematic arrangement, and there is no classification by which any specimen can be identified. To the beginner in the study of varieties the field presents a chaotic jumble, with no beginning, no end, and, in fact, no vulnerable point. It is necessary for him to familiarize himself with specimens and associate with them the arbitrary names which have been given them. There is no system in naming, and no system in description which will enable one to distinguish between two very similar varieties. While I realize and fully appreciate that an attempt to systematically describe and classify 2,000 varieties of apples is a stupendous undertaking, yet such description and classification is, it seems to me, the only logical solution to the ever increasing complexity of this great nomenclature problem which confronts the horticulturist. This means in the first place that some arbitrary system of description must be settled upon, which shall be adhered to by all students of varieties so that the descriptions of any particular writer can be compared with those of any other writer, these descriptions to be minute and sufficiently detailed to enable the student to determine the distinguishing marks between varieties. In a feeble way this has been attempted by the writer in placing before the student of plant forms fixed descriptive blanks for studying varieties of various cultural plants. Those who have been in the habit of describing varieties of tomatoes, beans, peas, or radishes, and basing their conclusions entirely upon their own judgment by recording the earliness or lateness of maturity, and remark upon the size and grade of the edible part, together with a criticism of its quality, are amazed to find when they attempt to compare the description of any two varieties that the description will apply almost as well to one as to the other, and that points which really constitute the difference between the varieties have been omitted or overlooked. In the one case an important character is described, while in the other case this same character is entirely omitted or ignored. It thus becomes impossible for one to know which variety was before the observer at the time of making his notes. It becomes necessary, therefore, in order to bring out the features which actually serve as the distinguishing marks between varieties to subject each variety to a rigid examination which will be exactly alike for every variety interrogated. It will at once be seen that this set of questions must be detailed and that with many varieties there will be questions to which there can be no reply. Horticultural descriptions, based upon a fixed set of questions of this character, would enable students of plant forms to work out a systematic arrangement and classification of varieties so that given a variety its relation could be determined, and the class to which it belongs sought out, and perhaps could be carried so far as to enable one to accurately locate it in a descriptive list of cultural varieties. It does not seem to me that this is too much to hope from a careful study of horticultural botany. In fact, it is my idea that any study of horticultural botany which comes short of attaining this end has not fulfilled its highest possibilities.

To briefly summarize the phases of horticultural botany which appeal to me, the questions would present themselves in somewhat the following order:

First.—Uniform, detailed descriptions of cultural varieties.

Second.—A systematic classification and arrangement of such varieties.

Third.—To include in the description of all horticultural varieties which are made, that is, which are the result of selection and hybridization, a brief historical note, giving the parentage and the line of descent of the particular plant under investigation.

Fourth.—A carefully determined and uniform system of nomenclature based upon some modern work.

POUGHKEEPSIE, N. Y.—Contractor Wesley Lee is rebuilding the green houses of I. T. N. Harcourt, on Remsen avenue.

MILWAUKEE, WIS.—E. C. Ludwig and wife of Allegheny, Pa., are attending the Eagles' convention here this week and will take in the Dayton convention on their return journey.

Dayton Convention Notes.

Upon arrival in Dayton, Ohio, delegates should make free use of the information bureau at the Union station. You cannot miss it. Some members of the Dayton Florists' Club will be at the depot at all times to help along as much as possible. Baggage should be left with the baggage master at the information bureau and he will have it delivered to any designated hotel or boarding house at once.

GREENHOUSES AT THE NATIONAL MILITARY HOME, DAYTON, O.

In the office of the exhibition building there will be a branch postoffice established, so that letters may be addressed to the exhibition hall, reading: "Convention, Society of American Florists, Fair Grounds, Dayton, Ohio." Furthermore, for the convenience of delegates there will be a telegraph office at the secretary's office, besides the free use of telephones.

A large bulletin board will be provided, which may be made use of by those who wish to meet someone. Keep your eye on the bulletin board. A book of complaints will also be found at the secretary's office, and furthermore a box where may be deposited suggestions for the running of future conventions. Make free use of these suggestions and do a little thinking yourself, for a handful of men can't do it all. You may know something that will be of advantage in the future.

Patronize the exhibitors and advertisers well. Have cheerful words for everybody and at least make these fellow feel good. A few pleasant words do not cost anything. Let this convention be run a little more on the patrarchial style and as one great family. Let all try to stay together and get acquainted with each other.

The Dayton Florists' Club wishes all to have as good a time as possible and will do all in its power to promote such a time. Let all take free part in the discussions and let none put his light under a bushel. Boost the national flower show. If there is anything you want make it known to the chairman of the Dayton Florists' Club, who will do his best to see that you get what you are lacking if at all possible.

We would like to direct attention to a novel feature of this convention, that is the exhibition of plants for parks and suburban and city homes, of some of the largest concerns in the United States, also of some heretofore undiscovered talent. It will be a surprise to learn what talent is slumbering in the art of landscape gardening and garden architecture. As the national association has made no provision for prizes for such an exhibit, the Dayton Florists' Club will do so in the shape of gold, silver, and bronze medals. Any young man who has not exhibited yet should not fail to make his entry but come forward.

We regret to say that, through some misunderstanding, a large southern concern has placed its exhibits of cannas in the public parks. However, the same concern will exhibit its cut flowers in the exhibition hall and all desiring to see these plants in the beds will be taken into the respective parks in a private conveyance by our genial park superintendent, Mr. Killworth.

Here is another point we would like to call attention to. That is the street car service. Take the yellow car that is called the Xenia Traction Line only and don't crowd in the cars. You will only have to wait a minute or two for another one.

The chairman of the Dayton Florists' Club has paid a great deal of attention to the musical programme and has selected every piece personally and is quite satisfied that you will get, either in orchestra or band music, the best that can be produced. We have avoided the tedious and classical and chosen only such pieces as will tend to enliven and make for good fellowship. For the ladies and their partners dancing platforms have been provided.

J. B. HEISS.

Chicago to Dayton Via Big Four.

The Chicago Florists' Club has concluded arrangements for the special train over the Cleveland, Cincinnati, Chicago & St. Louis Ry., leaving the Michigan Central passenger station, Twelfth street, Chicago, at 12:45 Monday noon, August 20, and due to arrive in Dayton, via Kankakee, Lafayette and Indianapolis about 8:40 p. m., practically a daylight ride all the way. The train will consist of three or more new day coaches, one combination car, and one dining car to serve luncheon and dinner a la carte.

The rate by the certificate plan for the round trip is only $9.70. These tickets are good on all trains August 17, 23 and for the return trip the validated certificates will be honored up to and including August 31.

The Chicago Florists' Club cordially invites the florists of the WEST, NORTHWEST and SOUTHWEST, delegates to the convention, to join this special train at Chicago Monday noon, as above stated, and see that when they buy their tickets and secure their certificates for the same that these tickets read "Via Big Four Route" from Chicago to Dayton.

Delegates who can join us at any point along our route are requested to do so. The committee will be glad to hear as early as possible from all who decide to join our party, so that the necessary arrangements can be made in

RESIDENCES IN DAYTON, O., THE CONVENTION CITY.

time. Delegates buying tickets in Chicago will secure them at the city ticket office of the Big Four, 238 S. Clark street, with certificates.

Committee on transportation for the Chicago Florists' Club—J. C. Vaughan, Willis N. Rudd, George Asmus.

P. J. HAUSWIRTH, Pres.,
L. H. WINTERSON, Secy.

Dayton Delegates Invited to Chicago.

An informal meeting of the Chicago Florists' Club was held July 27 at 11 a. m. in the office of F. F. Benthey, for the purpose of inviting to Chicago, eastern members of the S. A. F. who might wish to extend their trip to this city. It was the intention of the meeting to plan some form of amusement for them but as it was impossible to obtain any estimate of the number who might come, it was finally decided to draw up the following invitation:

"Convention visitors who may decide to make a further western trip during the week following the Dayton meeting are cordially invited by the Chicago Florists' Club to advise its secretary when they will be in the city in order that an afternoon or evening meeting with the club can be arranged."

L. H. WINTERSON, Sec'y.,
49 Wabash avenue.
P. J. HAUSWIRTH, Pres.,
277 Michigan avenue.

Detroit to Dayton.

The Detroit Florists' Club has completed arrangements for the trip to Dayton and hereby extends a cordial invitation to everyone in this vicinity to join our party. Special cars will be provided on train leaving Detroit (Union depot) Pere Marquette R. R. (C. H. & D.) at 12:35 p. m., Monday, August 20. Toledo will be reached at 2 p. m., leaving there 10 minutes later with the Toledo delegation, arriving at Dayton 6 p. m. To those who are located at points in this section where railroad certificates are not obtainable, tickets should be purchased to Detroit where through tickets to Dayton with certificates can be obtained. Fare going and return $5.80.

DETROIT FLORISTS' CLUB,
J. F. SULLIVAN, Sec'y.

For Western Convention Delegates.

Delegates to the Dayton convention should buy their tickets from lines represented by the Western Passenger Association, but keep in mind that traveling on their tickets they must leave Dayton no later than August 28. This is three days earlier than the limit allowed by the Central Passenger Association. This association covers most lines running west from Chicago. Always take certificates in purchasing railroad tickets.

New York to Dayton.

The transportation committee of the Florists' Club has arranged for transportation to the Dayton convention via the New York Central, 2 p. m., August 20, on the train known as the Southwestern Limited. The fare for the round trip will be $22.67, and the route via Buffalo and Cleveland with stop-over privileges.

MARKET GARDENS.

Seasonable Notes.

TOMATOES.—July is the time to sow seed for the winter crop of tomatoes. We always plan to have the sowing done before the end of the month in flats in nice light soil. When large enough to handle they should be transplanted to flats or potted off into 3-inch pots. When they begin to grow the pots should be spaced so the plants do not become spindly and weak. In 6 weeks or 2 months vigorous plants 6 or 8 inches high with the pots well filled with roots will make nice material for the benches.

If one is a beginner the selection of a variety will be foremost at this time. While there are new varieties constantly being added to the lists of those suitable for forcing, it will be best to depend on the old and tried varieties for the main planting; but do some experimenting on one or two additional kinds, thus determining their merit. I always recommend Lorrillard for the winter crop as it presents nearly all the desirable points in a tomato: medium size, smooth, no angles or corrugations, color and evenness of ripening, and in fact all the desirable features.

Tomato plant ready for planting.

The soil should have equal consideration. A good rose soil is usually suggested; that means a good turfy loam previously stacked and well chopped over and the best quality of short manure incorporated. Sheep manure and ground bone can also be added in reasonable proportions.

The beds for winter forcing should have bottom heat and it is advisable to have benches or boxes in which to grow them, and under or along side of which the heating pipes can be run. Deep benches are not advisable. While 6 or 8 inches is a good depth tomatoes can be grown in 4 inches of soil. There must also be sufficient head room for training the vines and some means of supporting them with a string, stake or wire. We present in the illustration methods of constructing beds for tomatoes or cucumbers for winter forcing. It will be seen that they are constructed of 2-inch plank and about a foot deep with the pipes running along side and the beds slightly elevated from the ground. The depth of the bed allows for rough material for drainage and also for top-dressing. Tomatoes may also be grown in boxes or pots. Boxes of the size illustrated, 18 x 18 x18 inches could accommodate two plants trained to a single stem and are easily controlled in many respects. Note in the illustration the zinc pans under alternate boxes, an experiment to determine the value of subwatering under such conditions.

SUMMER CUCUMBERS.—This is proving a good season for cucumbers and they are comparatively free from the fungous disease (anthracnose) affecting the leaves in downy blotches, although we have seen one bad case of it. Whenever it appears the leaves affected should be picked off or if the attack is considerable the whole plant or plants should be removed. In bad cases we have the Bordeaux mixture to help but one can often ward off bad cases by watchfulness. Another aid to avoid its reappearance the following year is when the cucumbers are over to burn sulphur in the house on two or three successive evenings. Let all the vines remain and every particle of plant and insect life will be destroyed so thoroughly that little fear of perpetuating the trouble need be entertained. So it is with greenfly; constant fumigation and absolute cleanliness throughout the winter will keep the house free in the summer. Good sanitary conditions in a house affects the healthfulness of the crop. No rubbish or stagnant water should be allowed to accumulate. Have the watering done in good time so the beds and plants may dry off and the whole house sweeten before evening.

As with tomatoes the growing of additional varieties of cucumbers experimentally is interesting and often makes one better satisfied with their own strain, often the result of years' of selection of individual plants showing improvement. A number of highly recommended kinds do not always prove all that has been claimed for them by their introducers. Some have good bearing qualities but may be undersized; others are good when perfect fruit is produced but so little of it appears. Others are deficient in producing a vigorous vine, while others bear ill-colored fruit. For like tomatoes, they have desirable points as evenness of size, color, thrifty vines, etc.

The varieties enumerated and observed by us have been: Vaughan's Boston Forcing, is all claimed for it in productiveness but the fruit is undersized; Davis' Forcing Hybrid has too many imperfect points but may be well worth further trial as the fruit is excellent; Vick's Perfection is a good flavored cucumber but of bad color; Howard (Vick's), good shape and color but inferior vine, hence lacking in productiveness; Fordhook Famous has bad color as an indoor variety and a critical market is against it: Vickery was pitiably weak in vine and appeared to be no use whatever.

Some of these varieties might do well in some sections, but to a beginner the White Spine type is best until through selection or hybridization a definite type is secured. These problems are always interesting to the market gardener and it is often he who is improving the market by choicer fruits and vegetables and thus benefiting the consumers.

FRANCIS CANNING.

TOMATOES FOR WINTER FORCING.
Growing in boxes is one method employed.

RECENT BOOKS.

Plant Breeding.

This is the fourth edition of a book issued by Prof. L. H. Bailey, of the Cornell University, Ithaca, N .Y., under the same title in 1895. In the preface of the third edition, issued in 1903, Prof. Bailey says: "In the eight years since this book was sent to the printer, there have been great changes in our attitude toward most of the fundamental questions that are discussed in its pages. In fact, these years may be said to have marked a transition between two habits of thought in respect to the means of the evolution of plants,—from the points of view held by Darwin and the older writers to those arising from definite experimental studies in species and varieties. We have not given up the old nor wholly accepted the new, but it is certain that our outlook is shifting. So far as practical plant breeding is involved, the changing attitude is concerned chiefly with discussions of the nature of varieties and the nature of hybridization. The chief practical result of the discussion of the nature of varieties is a re-defining of what a variety is, whereby we have come to recognize the fact, more clearly than heretofore, that not all differences in plants are of equal importance or significance."

The present volume contains an excellent bibliography and the leading change in the book, as compared with the first edition, is the substituting of new matter for old lecture 4, the new one being a resumé of the investigations of De Vries, Mendel and others and a statement of the current tendencies of American plant breeding practice. The book contains 480 pages. Price $1.25.

The Orchard and Fruit Garden.

This is one of the most useful and complete works we have seen on the subject of its title for a considerable period. It is divided into three parts, the first of which is devoted to the orchard, covering the apple, pear, plum, cherry, quince, peach, apricot, grape, citrus fruits, fig, date, olive, pineapple, banana and other tropical fruits, undeveloped fruits, nuts and nut trees. The second part deals with the fruit garden and such small fruits as the currant, strawberry, raspberry, blackberry, gooseberry, cranberry and neglected berries. The third part is reserved for cultural directions, covering windbreaks, drainage, etc. The author, E. P. Powell, is a practical man and has given us here a practical book, written with vigor and freshness in unmistakable language. Pages 322, illustrations 23. Price $1.50.

The Horticultural Note Book.

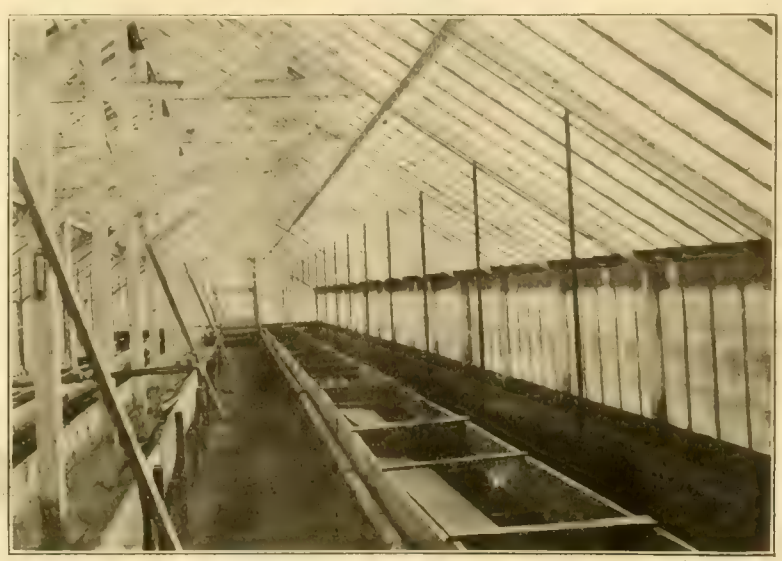
Although an English book written for British readers, there is such a large amount of information in this little volume as to render it one of great assistance to all horticulturists. The author is J. C. Newsham, head master and manager of the Hampshire county council agricultural and horticultural school in England. The book contains 113 illustrations and its scope is indicated by the following general titles: "Weights and Measures," "Land Measuring and Mensuration," "Garden Formation," "Horticultural Buildings," "Hedges, Fences and Gates," "Geological Formations and Soils," "Chemistry of the Garden and Manures," "Propagation and Seed Memoranda," "Fruit Culture," "Flower Culture," "Vegetable Culture," "Trees and Shrubs," "Insecticides and Fungicides," "Garden Meteorology," and "Garden Recipes." Price, $2.

The Implement Blue Book.

We are in receipt of a copy of the third annual edition of the Implement Blue Book, which was recently issued. This volume contains a complete directory of agricultural implements and machines, showing in detail the goods of every manufacturer in the United States and Canada, supplemented by a full list of jobbing and branch houses at all the principal distributing points. The book contains some 448 pages and is substantially bound. It is published for the exclusive use and benefit of dealers in agricultural implements, with whom it is a standard. Midland Publishing Co., St. Louis, Mo., publishers.

Water Lilies and Aquatic Plants.

We have just received a copy of the new edition of Henderson's handsome publication entitled "The Culture of Water Lilies and Aquatic Plants," which contains some 44 pages, 7x9¾ inches, and many excellent illustrations of water gardens and aquatics. The text covers the whole field of water gardening with special chapters on the more prominent plants which come under this head, such as nymphæas, nelumbiums, victorias,



HOUSE FOR WINTER CUCUMBERS AND TOMATOES.
Style of benches and arrangement for training.

* We can supply any of the books mentioned under this head where the prices are given, if the requisite amount is forwarded with order.

etc. There are important chapters on the making of water lily ponds and pools, planting, propagation, wintering, enemies, etc. The price is 50 cents.

THE RETAIL TRADE

Florists' Work at New York Hotels.

One of the most notable contracts of the year was that given out for the decoration of the new $5,000,000 Hotel Belgardener in charge of the plants, and David Smith is in charge of the cut flower department.

Another piece of hotel work of a different character is seen in the roof garden of the Hotel Astor at Times square. The decorations and effects here are lavish and on a scale never before attempted in New York. The full area of the building plan is utilized for the garden and some fine effects have been made possible. Everything of course, is either potted, tubbed or boxed, but the work is

VISTA OF ROOF GARDEN, HOTEL ASTOR, NEW YORK CITY.

mont, opposite the Grand Central station. Joseph Leikens had the contract, and it included the furnishing of over 600 plants, 500 of which were palms, varying in size from four feet to the largest sizes obtainable. More than half of the quantity were above medium size. The palm room of the hotel is worth a journey from a distance to see. In the center a tall palm occupies a stand, with smaller palms around it, forming a pleasing group. The base tubs are almost hidden with moss and ivy. The music gallery is almost hidden by a group of phœnix and aspidistras. Elsewhere around the room ranged high and low are specimen palms and small groups disposed wherever space is available. At the entrance to the corridor of the first landing leading to the mezzanine floor are two made up rubber plants 14 feet high; and on the mezzanine floor are a number of large rubber plants and palms. In the restaurants, cafes and lobbies palms, bays and rubber plants are literally disposed.

Mr. Leikens has a refrigerator show case and flower stand near the cafe entrance and in addition to meeting the demand from the patrons of the hotel, which contains over 1,000 rooms, he keeps about 300 vases continually filled with fresh flowers. The refrigerator show case is cooled by cold air pipes at the top of the case, the pipes being supplied from the ice plant in the lower regions of the hotel, and so well that they are continually coated with a thick layer of ice. Otto Burkhardt is the carefully done. A privet hedge borders the whole roof. Three pergolas are vine entwined, and hanging baskets are used wherever possible. Some of the groupings are very massive and form excellent windbreaks on windy nights.

An attractive setting is the decoration of the dome, part of which is shown in the accompanying illustration. On the right of the picture is a bank of scarlet geraniums about 18 feet high, all in boxes, and the boxes arranged in pyramid form. Each box is secured to the one in front by an iron cleat. The effect is very fine. To the left, or on the side of the dome running to the wall is a rockery, with a cascade running over concealed electric lights. The other sides of the dome is a repetition of the arrangement. Palms of all kinds are used, as well as laurel, rubber, and smaller plants. Hydrangeas in tubs, and well flowered, are also a feature. The scope of the garden entailed a tremendous expenditure, but the crowds visiting the place every night would seem to warrant it. The garden scheme was carried out by H. L. Bantelman, the Amsterdam avenue florist.

Some Wreaths.

When orchids or dollars are plentiful such a wreath as is shown in the illustration is not infrequently seen. There is nothing particularly noteworthy about it, it being the most popular form for the arrangement of these lovely flowers. The subject of the illustration was on a standing frame about four feet high backed with asparagus, Adiantum Croweanum and Adiantum Farleyense. The base contained longiflorum and auratum lilies. Fifty flowers were used, the bow being of orchid ribbon.

The flat crescent wreath was composed of gardenias for one side while the other contained cattleyas, lily of the valley and white Japan lilies. A bow of wide white satin taffeta ribbon appeared to add to this effective arrangement which measured 36 inches over all.

The white rose wreath had a pleasing effect for although the flowers were all wired to sticks and stuck into a mossed frame the appearance of an old time, tied wreath, which, while very beautiful when made right, was so often a failure, that it almost became obsolete when the wire frames came into vogue. There is no excuse, however, for the very poor, bowlegged bow that disfigures an otherwise satisfactory design.

K.

BANK OF GERANIUMS, ROOF GARDEN, HOTEL ASTOR, NEW YORK CITY.

A WREATH OF ROSES.

The Allied Trades

Descriptive particulars—with drawings or photographs, if possible—of any new apparatus or device which may prove helpful to the trade are solicited for this department.

How to Make Concrete.

In determining the proportions of the aggregates and cement for a certain piece of work, it is necessary usually to take samples of the broken stone (or gravel) and sand which are most available to the site, and make measurements of the percentage of voids in the stone which must be filled by the sand, and the percentage of voids in the sand must be filled by the cement. This is done by taking a cubic-foot box and filling it with broken stone in a thoroughly wet state. The box is then filled with as much water as is required to completely fill it in addition to the stone, which upon being poured off gives the relation between the volume of the voids and the volume of the stone. The required amount of local sand thus determined is then measured out and placed in the box with the stone in a damp state. Water is then used to determine the percentage of voids left in the sand, which gives the approximate amount of cement required, although an excess of cement is almost invariably used. Engineers everywhere differ regarding the best proportion to be used, but in general the above test, roughly made, will determine it well enough. The proportions which are most universally used are as follows: 1 cement, 2 sand, 4 broken stone; where extremely strong work is desired. Tests show that a 6-inch thickness of 1—2—4 concrete properly made is waterproof up to about 50 pounds to the square inch. This concrete is frequently used for facing dams. 1—3—6 is the proportion generally used for the interior of dams and large structures. It is entirely suitable for large foundations. 1—4—8 is frequently used for foundation work, and when properly mixed makes good concrete, although it is about the limit of what is considered good work, and would not be suitable for very important structures. 1—5—10 is equal to any concrete made with natural cement. It is a well-known fact that the volume of concrete when mixed with water is somewhat less than the volume of the aggregates and cement before mixing. The contractors' rule is that the volume of mixed concrete is equal to the volume of the stone plus one-half to one-third the volume of the sand.

There has been much discussion among engineers and others as to the amount of water that should be added to the aggregates and cement for making the best concrete; and while it is not the purpose of this paper to enter into this controversy, it might be said that the modern tendency is toward wet concrete. The old way was to add just enough water, so that when all the concrete was in the form and tamped, it would show moisture on the surface. The tamping is a very important part of the operation, and the quality of the work is dependent upon how well this is superintended, as unless it is well and thoroughly done the concrete is liable to be honeycombed and imperfect, especially near the forms. With the growth of the use of concrete the old method of putting it in the forms nearly dry and depending on tamping to consolidate it has been more or less abandoned, and the more modern way is to put the con-

WREATH OF ORCHIDS, GARDENIAS AND LILY OF THE VALLEY.

crete in quite wet, as less tamping is required and much labor and expense saved. One of the great objections to this scheme is that if care is not taken, the water will tend to wash the cement from the stone and sand; in other words, unmix it. However, it may be said that it is now generally understood that rather wet concrete properly handled makes better work. The amount of water to be added to the aggregates and cement varies from 1 water to 3 cement by measurement to 12 per cent of water by weight. In 1887 Mr. Carey, of Newhaven, England, made the statement that 23 gallons water per cubic yard of cement was the best mixture. Quite frequently salt water is used in mixing concrete in cold weather to prevent freezing, and it seems to have no ill effects on the resulting mixture.—Cement Age.

Hammond's Works Enlarged.

Benjamin Hammond's insecticide and paint business has increased so largely that he has had to make improvements and enlargements in various directions to his factory, says the Fishkill Standard of July 28. James A. Murray has just completed a storage warehouse for him, on the famous "northeast corner of the Long Wharf." This had been needed for a long time, and this summer it was impossible to get along well without it. Mr. Hammond is a hard worker, giving personal attention to every department of his large business. He is a pusher, year in and year out, and his business steadily increases in consequence. He started business here in a very modest way, some 20 years ago, and has built up an industry that is counted an important part of the town's business. While he does a large local trade, the bulk of his business is done with outside parties. His insecticides not only are used locally, but find their way to every part of the country, and are also shipped to some of the foreign countries. His line of business is very extensive, and calls for a large amount of advertising, which is done through many newspapers and magazines and by the use of a great variety of printed matter, which is sent to thousands of postoffices throughout the country. His output of mail is the largest sent by any one concern in the town of Fishkill.

Mr. Hammond is also an extensive manufacturer of paints, which find their way to many states. His list of paints includes many kinds and for all purposes where paint is used. His color cards show the great variety of shades and colors. Among the best of his paints we may especially mention his Greenhouse White, Cottage Colors, Chinese Gloss White, and Mount Beacon Green, all of superior quality. In the same line we may mention Twemlow's Old English glazing putty, a semi-liquid article which has received the commendation of prominent florists all over the country, for greenhouse use.

Mr. Hammond keeps quite a force employed in the various departments of his factory, which finds no idle time on its hands. The shipping department is one of the busiest places in the factory.

Besides the building of the storage warehouse, Mr. Hammond has had other improvements made, so that the interior of the factory is materially changed for the better. We hope the business may keep on increasing, and that the coming years may see it in a still more flourishing condition.

AN ORCHID WREATH.

Laying Lapped Glass.

Extract from Bulletin of the West Virginia Experiment Station:

The old and reliable lapped glass roof for greenhouses will probably never go out of fashion, but the cost of laying it and the tedious method usually employed have induced many to seek a substitute in other styles, such as the "butted" and zinc strip scheme for laying roofs. The method of laying lapped glass here described is so simple and so easily learned, by even an unskilled laborer, that it cannot fail to meet a much felt want. The method is as follows: If the work is to be done during cool weather, which is not desirable, choose a warm room and upon a table about two feet high arrange a board very like the kneading board used by the pastry cook. This board should be wide, smooth and perfectly flat. Warm a quantity of putty, say five or eight pounds, sufficiently to make it soft and pliable, but not sticky. With the hand spread the putty over the board in a layer of uniform width and of a length as great as that of the glass to be used, and with a section of three or four inches vitrified sewer pipe, as a rolling pin, roll the putty out into a thin layer about 3-16 of an inch thick. Then with the glass held as shown in illustration herewith, with the ends firmly grasped in the hands, the convex side of the glass away from the operator, and the edge of the glass about ¼-inch back from and parallel with the edge of the putty. Press the glass through the putty so as to cut off a narrow strip. Tip the pane toward the operator then backward, and draw it forward. This operation will loosen a strip of putty which will adhere to the edge of the glass as seen in the upper side of glass in illustration. Change sides with the glass and repeat the operation, then with a putty knife cut off the ends of the two lines of putty sufficiently to allow for the desired width of lap. Pass the glass to a man on the roof, holding it meanwhile with the putty on top. The man on the roof turns the pane over and presses it firmly in place, thus squeezing out any superfluous putty which will pass in both directions out of the rabbit of the sash-bar. As soon as the glass is fastened in place the operation is complete, save for cleaning off superfluous putty. One man can putty glass for two men on the roof to lay. By that I mean he can spread putty, open boxes and putty and hand up sufficient glass to keep two men on the roof busy adjusting and fastening it in place. In building a new house a

THE FLOWER GARDEN AT LINCOLN PARK, CHICAGO.

record was kept of the time required to cover one side of a house 20x30 feet; the sash-bars were 12 feet long and 16 inches apart. Three men, using 16x24 inches D. S. glass put the roof on one side of this house in 2½ hours, which is quicker than the same area of butted glass could have been laid and the caps screwed down. The roof has now stood two winters and one summer, and does not leak a drop. Laying a lapped glass greenhouse roof was a great undertaking until this method was hit upon, but now is one of the simplest and quickest parts of greenhouse construction.

Huntington & Page, Indianapolis, Ind.—Conditions of trade in this locality this spring have been discouraging in some respects on account of the weather. March trade having been ruined with the heavy snows and now about seven weeks of drought since early in April, we believe has affected trade to a great extent, regarding our own business we find on comparison that with the exception of March our business is far in excess of previous years. We believe that our season is practically one month backward and that June will be a good month this year.

The Abuse of Valves.

In a comprehensive article on this subject, the Valve World, in a recent issue, after exonerating the manufacturer from oft-repeated complaints regarding defective valves, gives the following reasons for their leaking, after they are placed in a pipe line:

1. The improper use of cement and the failure to remove particles of cement, scale, chips, dirt, etc., that naturally get into the pipe.
2. That the threads on pipes are often cut longer or smaller than standard.
3. The application of a pipe wrench, especially in the case of light valves, on that end of the valve opposite the one which is being screwed on the pipe.
4. The failure to clamp lengthwise a light valve which is put into the vise for the purpose of removing the centerpiece.
5. The endeavoring of a steam fitter to stop the leak of a stuffing box by straining it with a large wrench when the difficulty is due to the packing having become worn out and needing to be renewed.
6. When a valve is to be used on a header, the steam fitter sometimes starts out with a long piece of pipe which is unsupported, and, through carelessness, allows the strain of the pipe to come on the valve, thereby springing it.
7. The failure to make proper allowance for expansion and contraction, allowing the strain to be thrown on the valves.
8. The undertaking to tighten a leaking valve by using some kind of a lever on the wheel, a course which seldom fails to materially injure the valve.

Laying Lapped Glass.

West Virginia Experiment Station Bulletin.

JERSEY CITY, N. J.—The Burnham-Hitchings-Pierson Co., designers and builders of horticultural structures, recently took over the large factory at the southern end of West Side avenue.

MARION, IND.—The work on the new floral hall at the fair grounds is progressing nicely, and already the entire frame has been put up, and the carpenters are now working on the sides.

PRINCETON, N. J.—The Pierson U-Bar Co., of New York, will construct the glass work of four greenhouses for M. Taylor Pyne and will also install the heating apparatus. The cost will be $8,100. The mason work for the greenhouses will be done by Wm. R. Matthews, of Princeton, at a cost of $10,100.

Paul de Longpre.

A great many people in America have heard of the quickening preacher Gunsaulus of Chicago. Out here Rev. William Rader is the Gunsaulus. He is on a vacation trip and writes letters for the newspapers. In his letter this week he speaks of a call he made on Paul de Longpre, the world's greatest flower painter. The preacher's letter says: "Longpre stood in his beautiful rooms at Hollywood, Southern California, surrounded with a wealth of beauty. All the flowers in California seemed to be out calling that day, and stopped under the trees and along the well-kept paths. I have not seen such a beautiful home in California. In the rose garden are no less than 4,500 bushes of the finest variety—roses, shrubs, poppies, geraniums and vines. The air is heavy with their breath, and the bees which may be found in all his flower pictures hummed lazily in this garden of Allah, this paradise of nectar. A circular summer house of attractive design is set under sheltering acacias. In looking at his work one is made to feel that this flower painter is at once an artist and a botanist. It is his scholarly attention to details that has made the name of Paul de Longpre famous in the world of art. The old story of the monkey that turned over the pages of a natural history and tore out the insects and ate them, and of the birds that pecked the painted cherries, is suggested when one looks at de Longpre's painted roses wet with painted dew. There is a difference between the lovely bower of roses in Hollywood and the twisted steel and broken walls of San Francisco, and the artist's beautiful eyes suffused with tears when he spoke of the destruction in the city. He had $800 in bank last month, now he has to show for it a receipt from a relief committee that was working in the interest of San Francisco's needy people. That's the sort of man this artist is, and while his field of flowers, the exotic orchid sprays of blossom, the daisy and heliotrope, the black-eyed susan and the chrysanthemum and lilac, the clover sifted by bees, won my attention by their charm and sap and freshness, the man who painted them charmed me most."

JESSE WHITE.

Lilium Philippensis.

The catalogue descriptions of the Benguet lily (Lilium Philippensis) are in many cases misleading, and in view of the part it is likely to play in the cut flower trade, some notes upon its habits and appearance, taken on the spot in its native wilds, as well as its behavior under cultivation during two years, will doubtless prove of general interest.

The plant occurs on the Benguet plateau of northern Luzon in a light yellow and rather impoverished clay, at an elevation of 4000 to 5000 feet and where during the growing season—June to November—a cool greenhouse temperature accompanied by much rain and humidity prevails.

The bulbs begin to grow shortly after the rain monsoon sets in, and in August-September the hills become spectacular with the glory of countless white, fragrant flowers. These flowers are described in some catalogues as 10 inches long, but the longest I have grown was but 8½ inches and the average of the wild and cultivated blooms does not exceed 7½ inches. The plant is also described as about one foot high, but as a rule is two feet and upward.

The slender stem in the wild state is well supported by the surrounding grasses, but in cultivation requires staking. If staking and training is carefully upright, so strong is the stem that, unless exposed to high winds, the stake may be withdrawn when the plants are in bloom, and, notwithstanding the weight of three or four immense flowers, will not greak down. One of the features that even the most glowing catalogue descriptions have failed to extol sufficiently is the charming grassy foliage that adorns the flowering stem quite to the peduncle. This, a feature in which L. Harrisii is weak, is one of the traits that will prove a formidable auxiliary in wresting from the Bermuda lily the supremacy it has so long enjoyed.

Two years ago the experiment was undertaken of forcing these lilies in the open by irrigation. Very successful results followed; the bulbs were flowered in April and May and perfectly ripe, sound and well matured bulbs were had about October 1, and quite two months earlier than any dormant wild bulbs could be dug.

During the life of this experiment, which was begun in November, proximate carnation house temperature prevailed, that is, average night temperatures of about 50° to 52°, rising at noon to 72° to 74°. During the same period, bulbs were brought down to Manila (sea level) where, to say the least, high pressure forcing conditions are the rule. Bulbs potted 2 to 5 in 6-inch pots October 10 last year flowered January 19, and others bedded out on the same day not until February 2. The previous year, bulbs planted under the same conditions January 2 bloomed in precisely 90 days. The conditions during this time were mean night temperatures of 72° to 74°, rising to 90° to 92° by day.

A variety of soils was used and equally good success was had with all. The only failure scored was with a few plants where the pot drainage was imperfect. Some of the largest and finest flowers were produced on bulbs of less than one inch in diameter, by giving them liquid cow manure as soon as the buds were fairly developed.

Quantities of water were used as soon as the shoots were an inch high. As a rule, bulbs under one inch seldom bore more than one flower, but from 1¼ inches up the rule has been two flowers, while all of the largest bulbs have produced three and four flowers.

The forcing as carried on by the only grower of cultivated bulbs in the Philippines consists in nothing more than anticipating the rainy season by irrigation and in consequence accelerating their maturity. Until this method is generally followed there can be no serious competition with the Bermuda lily. as the wild bulbs will never be available for growers till New Year's day, too late as a rule to successfully force them even for a late Easter.

Properly matured and carefully packed in sawdust, these bulbs hold well without shrinkage or decay for several months.

WM. S. LYON.

LILIUM PHILIPPENSIS.

Phoenix Roebelenii.

One of the handsomest decorative plants offered to the trade in recent years is Phœnix Roebelenii. This palm was discovered by Mr. Roebel in Indo-China, who brought it to England in 1899, and the first plant, sold at auction, brought $800. It was a fine specimen, six feet high. Since that time the plant has been commercialized, and is now within the reach of everybody. The leaves of the plant are perfect in form and look something like Phœnix Leonensis, but very much more graceful. It has been thoroughly tried under all conditions, and has been found to be one of the best house plants in existence. In the three-year-old plants the seed leaves are still to be seen. It makes a good strong pot of roots, and, unlike the common phœnix it does not grow very much above the soil with the base roots. It is extremely hardy, and does not require a very high temperature to grow to specimen plants. Many plants out in frames last year stood a temperature of 38° without harm. The cooler plants are kept, the better they seem to grow.

Almost the entire stock in America is in the hands of J. Lewis Childs, of Floral Park, N. Y., who has disposed of a large number of specimen plants and is offering a grand lot of seedlings in various sizes to the trade.

NORTH BRIDGTON, ME.—Chas L. Chadbourne will add a carnation house, 20 x 50 feet, this fall.

Boston.

DULLNESS CONTINUES.

The summer dullness still holds full sway over the trade. The buyers have had everything their own way this week, the growers realizing little in return for their goods. The early asters shortened up somewhat, but the later ones are taking their place and are coming in great quantities, there being plenty to supply all buyers. There are some outdoor carnations, but the weather has affected them greatly so that they do not sell to advantage. Some of the growers are still bringing indoor carnations to market. Roses are still improving in quality, the Kaiserin, Carnot, Wellesley and Richmond comprising the better grades. American Beauty is coming in from outside sources and there are plenty to meet the demand. Liberty still remains poor in quality. Sweet peas are not plentiful, yet there is no great demand for them, the flowers being poor. Gladioli are very abundant.

NOTES.

The annual picnic of the Park Street and Music Hall markets, August 5, were a great disappointment to both growers and retailers. When the party arrived at Child's Farm, Waltham, they were informed by the owner of the grove that the police had interfered with the plans and would allow no games to be played on Sunday. Not wishing to make the affair an entire failure they journeyed to a private lot in Lexington, where the participants enjoyed themselves as best they could under the circumstances. There were no games with the exception of a game of "scrub" between the growers and retailers. Refreshments were served throughout the day.

Edw. MacMulkin and Thos. F. Galvin supplied most of the floral tributes for the funeral of the late Mrs. Thos. W. Lawson at Scituate August 7. They consisted chiefly of lily of the valley, orchids and choice roses, and made one of the most artistic and finest displays of flowers that has left this city for many weeks.

Arthur Cowee, of Berlin, N. Y., is shipping to the retail stores of this city some fine varieties of gladioli at very reasonable prices and they are being used to great advantage in funeral work.

Johnson Knight, manager of the Music Hall Market, is spending his vacation at Nahant. E. E. Fletcher is acting manager of the market during his absence.

Norris F. Comley, of Lexington, is cutting a fine crop of gladioli, which he disposes of readily in the market at very fair prices.

Pat. Donahue, head salesman for the Waban Rose Conservatories, is spending his vacation in Framingham.

Mr. Chase, purchasing agent for Julius Zinn, is sojourning for three weeks in Nova Scotia.

W. M. Campbell has acepted the position as manager for N. F. McCarthy & Co.

E. Wood, of Lexington, is building a new greenhouse, 34 x 195 feet.

Visitors: M. Bayersdorfer, representing H. Bayersdorfer, of Philadelphia; T. D. Taylor, superintendent for Arthur Cowee, of Berlin, N. Y., and Miss Marnell, connected with the firm of Hall & Robinson, of Montreal, Can., who is here on a pleasure trip, also to visit relatives; also Thos. J. Wade, of Stumpp & Walter Co., of New York.

B.

AT J. LEWIS CHILDS' ESTABLISHMENT, FLORAL PARK, L. I., N. Y.
Phoenix Roebelenii.

Washington.

ALL EYES ON THE CONVENTION.

The retail business is very dull and interest is now divided between the doings of the local growers and the Dayton convention. The Washington delegation to Dayton will leave here on August 19, at 11:10 p. m., going over the Chesapeake and Ohio R. R., and arriving in Dayton at 8 a. m., the following day. The following will comprise the delegation, so far as known: Peter Bisset, Geo. H. Cooke, Theo. Dietrich, Christian Schellhorn, daughter and Miss Esther Gude, John Barry, Sam'l Simmonds, F. H. Kramer, Robt. McLennan, W. H. Ernest, Mr. Burdette, Chas. McCauley, Geo. Shaffer, and Adolphus and W. F. Gude. The bowling team will be made up as follows: Ernest, Cooke, Shaffer, Simmonds, McLennan and Barry.

THE FLORISTS' CLUB.

At the last meeting of the Florists' Club, Y. D. Blackstone was elected vice-president to fill the unexpired term of Louis Freeman, who declined to serve. It seems to be settled that Geo. H. Cooke will superintend the rose show to be held here in March, 1907, and that the armory of the Washington light infantry will be the exhibition hall. It is located in the building occupied by Chase's theatre, the entrance being from Fifteenth street, opposite the Sherman statue. The hall is of easy access from the Willard, Ebbitt, Raleigh, Riggs, Regent and other leading hotels.

NOTES.

F. H. Kramer has a house, 30 x 280 feet, planted with the Queen Beatrice rose. The stock is in prime condition and will be a good basis for the dissemination, which will be carried out next year. In addition to the foregoing and his three new houses, which are planted to Bride and Bridesmaid, Mr. Kramer has this year planted a considerable area to the Richmond and all his stock is looking fine. It is needless to add that back of all this there is a good rose grower in the person of Philip Buckingham, who very thoroughly understands the business. Few growers of mixed stock can boast a better showing in ferns than are now seen on this place. Three 100-foot houses are devoted to Boston, Scottii, Piersoni, Whitmani and Barrowsii ferns. There are many specimens, ranging from 6-inch to 24-inch plants, that should make glad the heart of a fern fancier. This branch of growing is well attended to by J. E. Watson.

Young rose stock as a rule is looking well. Although the weather has been very wet of late, carnations in the field do not seem to have suffered. The weather has retarded the lifting and house planting, very few as yet having been taken from the fields. Those which were planted from pots direct to the benches are looking well and have required much less work, thus far, than the field plants. There has been no great rush among the growers for new varieties, although Robt. Craig and

John E. Haines in red and My Maryland in white are pushing their way.

Martin Burch, for a number of years American Beauty rose grower with the Gude Bros.' Co., has severed his connection with that firm and accepted the position of rose grower at Alex. B. Garden's range.

Adolphus and W. F. Gude have gone to Colorado to be absent about two weeks. On their return they will include Dayton and its attractions in their tour.

The news of the death of James Hartshorne was received here with many expressions of regret. Truly, "in the midst of life we are in death."

J. R. Freeman is building three new carnation houses. In the construction of the benches, tile will be used.

S. E.

Pittsburg.

BUSINESS SATISFACTORY.

On the whole the past week was satisfactory all around. Stock is getting better and the demand seems to keep pace with the supply. Asters especially are improving. Gladioli, although as abundant as ever, are much improved in quality. Some nice roses are coming in and the same can be said of carnations. Sweet peas are nearly out of the race.

NOTES.

The last Florists' Club meeting was of a business nature. The picnic committee handed in their report and plans for the Dayton convention trip were discussed.

Clyde Morrison, of A. W. Smith's, has been playing water polo lately with the champion Homestead team.

G. and J. W. Ludwig had to work overtime several nights last week.

P. J. Demas and wife are spending their time on Lake Chautauqua.

Miss Ida Elicker, of Homestead, is on a two weeks' outing.

Visitors: Wm. Comack, Irwin; Edw. Lizeman, Latrobe, and Paul Berkowitz, Philadelphia.

M.

Washington, Pa.

Joseph H. Seaman has been spending his vacation at the Braddock farm, but can't stay away from town long enough to kill a groundhog. Foreman Geo. N. Garland and his assistants have been working from 12 to 15 hours per day planting the entire place.

The Warrick Bros. are adding one more house to their range to be used as a propagating house. This addition has a cement foundation. The balance of the range is planted to carnations grown in pots.

The Washington Floral Co. is cutting an excellent crop of blooms from its old plants.

The Finleyville Floral Co. has completed their new house and has begun planting.

J. F. Poague has added a new sign in the shape of a monogram.

Field carnations are the best seen for many years.

G.

PHILADELPHIA, PA.—Samuel Harting has a permit to make several additions to a greenhouse, 16 x 17.4 feet, 10 x 17.4 feet and 17 x 35.6 feet, at 405 Gowen avenue, for Philip S. Smith; cost, $3,000.

St. Louis.

THE MARKET.

Showers followed by warm weather has been the style of weather all week. Trade if possible is still duller than last week, funeral work being about the only outlet for flowers. The convention and our own monthly club meeting has claimed the attention of the florists in general. A large delegation is expected to leave from this city next Monday. Asters, which were last week a positive glut, are now a great deal scarcer but the demand for them is very small anyway and no high prices can be obtained. Somehow the public does not take to asters. In many instances they term them a coarse, weedy flower. Gladioli are still in the market and bringing 2 cents. Carnations are scarce and very poor in quality. Roses are very small and of poor quality, but a few cool nights will remedy this. American Beauty is improving and good blooms are in demand but hot weather does not help their keeping qualities and those left over one day are wide open and almost unsaleable. Asparagus plumosus, A. Sprengeri and smilax are selling well.

Prof. H. C. Irish.
President-elect St. Louis Florists' Club

NOTES.

The monthly meeting of the Florists' Club took place August 9 with quite a large attendance. The principal business was the election of officers for the ensuing year. The following were elected: Professor H. C. Irish, Missouri Botanic Garden, president; John Connon, Webster Grove, vice-president; Otto Bentzen, treasurer; J. J. Beneke, secretary; W. C. Smith, trustee. Among those present were Geo. M. Kellogg, Pleasant Hill; Dr. Halsted, Belleville, Ill.; Joseph Stern, of J. Stern & Co., Philadelphia, Pa.

E. H. R. Green, Dallas, Tex., is in the city looking over the ground with a view to building a range of houses to grow carnations and roses for this market. This is very much needed here as this city and vicinity is short of roses.

Alex. Waldbart, Jr., met with a very serious accident August 10. He fell out of his bedroom window and was removed to the Deaconess hospital, where his injuries were pronounced very serious.

Mrs. Theresa Badaracco has just stocked up her greenhouses adjoining the store with a fine lot of palms and Boston ferns.

Fred Alves, manager at Geo. H. Angermueller's, left this week for Niagara Falls. He will visit Buffalo and other cities.

Oscar Huettemann, of the Tower concern, reports trade good. The store is being repainted.

Will Young, of Young & Sons, leaves Saturday for the east. He will take in the convention.

Fred Foster was very busy last week with floral designs for some prominent funerals.

About 20 will leave this city for Dayton, August 20, in the evening.

Adolph Brix had some extensive funeral work for the past week.

Visitors: Chas. Koeppen, Sedalia; A. C. Canfield, Springfield, Ill.

W. F.

Baltimore.

TRADE FLUCTUATES.

There has been some considerable volume of trade, but it has see-sawed a good deal. The irregularity of the summer market being an expected condition, there is a great influx of asters and outside roses, but the bulk is of poor qualities and thousands of the lower grades naturally find their way to the dump. There are some fine gladioli sent in, but this showy flower is hard to get rid of, and the uses to which it is adapted seem limited.

MARYLAND HORTICULTURAL SOCIETY.

The event of last week was the meeting, the mass meeting it might be styled, of the Maryland Horticultural Society at Berlin and Ocean City. This numerous gathering, including about 300 persons, amongst them about 50 members of the Gardeners' Club, were the guests of Orlando Harrison, the well known nurseryman, who most generously provided for the entertainment of all comers, furnishing them a sumptuous dinner at his place and even providing for the accommodation in the hotels and boarding houses at Ocean City. The members of the club have raised a purse with which to procure a piece of plate to be suitably engraved and presented to their host as a token of their appreciation of his hospitality and kindness.

Mr. Harrison is president of the society and made an address welcoming the visitors. Later all were taken in conveyances over the nurseries, which are nearly 1000 acres in extent, and employing about 250 hands.

At the several sessions of the society addresses were made by Prof. Beattie of the United States Department of Agriculture, Prof. Waugh, of the Wapachusetts Agricultural College, and others.

All those native to the soil vaunted the pomological and horticultural advantages of Maryland and especially the productiveness of that portion of it known the land over as the "Eastern Shore."

S. B.

New Orleans.

BUSINESS DULL.

We are here as elsewhere in the midst of the dull season. Thousands of pleasure or recreation seekers have left the city and more thousands will follow by the middle of this month. The past fall and winter season was an exceptionally good one in all branches of business and all those who profited thereby take the opportunity to spend from several weeks to several months either abroad, in the mountains or at the gulf coast or seashore. Neither weddings nor funerals of note have taken place during the past two weeks, thus making it hard for the storekeepers to dispose of their regular incoming stock. In utter contrast to the months of May and June, remarkable for their dryness, the rainfall during July was the heaviest we have had for years during that month. Although beneficial to some plants, it was destructive to plants and vegetables grown in the lower section of the city and not provided with proper drainage. Our growers deserve great credit for the size as well as the exceptionally good condition of their general stock on hand. Palms, ferns, roses and chrysanthemums deserve to be especially mentioned.

NOTES.

The German Gardeners' Club, at a regular meeting held August 1, decided to give a grand outing and fishing party at Milneburg, a very popular summer resort near this city. The arrangement committee has full power to act. It is hoped that all members will take part in it and by doing so make this year's outing a complete success.

J. A. Newsham is one of the busiest growers in town. He has made extensive preparations for the coming season and the quantity and quality of his nephrolepis, pot roses and chrysanthemums are hard to beat.

The New Orleans Horticultural Society has dispensed with its meetings on account of the hot season until October.

C. W. Eichling makes a specialty of adiantums, and has the finest Adiantum hybridum ever grown here.

CRESCENT.

Nashville.

W. J. Joselyn, the superintendent and florist at Centennial park, takes the greatest interest in acquiring all kinds of rare and fancy plants with which he will stock the new greenhouses soon to be built there. His canna beds are masses of brilliant color. He has over 6,000 plants of all the new and rare varieties. He has been most successful in his landscape gardening and the beds at the park are the admiration of thousands of visitors.

A PARLIAMENT OF FLOWERS.

In the early fall in this city there will be given a state fair for which preparations have been under way for some time. There was organized some months ago a State Fair Association and this association has announced that there will be a department of flowers. T. S. Joy has been placed at the head of the management, and it promises to be one of the most attractive features. Liberal premiums have been offered for the best collection of decorative and foliage plants, for geraniums, cannas, coleus, begonias and roses in pots, not less than six in an exhibit; the best collection of assorted blooming plants; best specimens of ferns and palms; best two rustic stands and hanging baskets; best display of cut roses, carnations, asters and any other variety of flowers; for the largest and best collection and display of cut flowers, and also for the best original and novel design. All of the above are for amateurs only. Larger and better premiums along about the same lines are offered for the florists' collections. A great deal of interest is being manifested in the exhibition and it promises to be one of the most attractive of the fair.

M. C. D.

Louisville.

Business the first part of the previous week was good enough for any winter month, some very prominent people having passed away, and good stock was pretty well used up. Roses of some varieties are very good in quality, and find a satisfactory demand. The supply is plentiful. Carnations are hardly worth mentioning, although some of fair quality are seen occasionally, and have a fair demand. Asters are very good in quality, and have a very satisfactory demand, the supply also being very adequate. Lilium album and L. rubrum are coming in in small quantities, and are very desirable for funeral work. Shasta daisies are becoming scarce, and the demand has also ceased to an extend. Hardy phloxes are still obtainable in satisfactory quantities. Rudbeckias can be had by the thousand, and hardy hydrangeas are also plentiful. Green goods are in satisfactory supply.

NOTES.

The regular monthly meeting of the Kentucky Society of Florists was held at Jacob Schulz's store August 7, and the attendance was very much improved. A picnic will be given sometime in September, the date to be decided later. The Dayton convention was discussed, and there will be about eight or ten from Louisville attending.

Number eight has arrived at 1117 Goss avenue. It's a boy and Geo. Schulz is the hustling father. He will, no doubt, take to the tall timber when he reaches "23." The sympathy of the craft is with him.

Chas. W. Reimers, for many years in the growing business, has sold his greenhouses to Mrs. C. W. Reimers, and has left for Cal.

F. L. S.

A CALLA FREAK.

The leaf was as white as the flower below

LEBANON, PA.—Daniel Whiskeyman is making extensive improvements. The main building, 20x210 feet, is divided into six sections, one of which is all ready for planting to roses; the other sections will be rushed to completion. A modern steam heating plant is to be installed.

LOS ANGELES, CAL.—J. d'Ortignoc and Elmo Meserve have formed a partnership and opened a counter in the Broadway department store, their stand occupying a very prominent location. The firm has had a good start, Mr. D'Ortignoc taking full charge and Mr. Meserve furnishing the stock from his wholesale store, which is now located at 349 South Los Angeles street, where a retail department is also maintained. The floral department of the Broadway department store is located at 405 South Broadway.

OBITUARY.

Adam Kimbel.

Adam Kimbel, who made a fortune at landscape gardening, died at his home at St. Matthews, Ky., the morning of July 30, at the age of 85 years. His death was due to old age. Mr. Kimbel was born in Saxony, Germany, but came to Louisville in 1844. Mr. Kimbel was the father of five children, Mrs. Henry Weber, Mrs. Edward Wiegleb, Miss Lizzie Kimbel, G. H. Kimbel and G. A. Kimbel, and his grandchildren number 20. His wife died five years ago. Interment in Eastern cemetery followed funeral services at his late residence.

THE AMERICAN FLORIST

TWENTY-SECOND YEAR.

Subscription, $1.00 a year. To Europe, $2.00 Subscriptions accepted only from those in the trade.

Advertisements, on all except cover pages, 10 Cents a Line Agate: $1.00 per inch. Cash with Order.

No Special Position Guaranteed.

Discounts are allowed **only on consecutive insertions**, as follows—6 times, 5 per cent: 13 times, 10 per cent: 26 times, 20 per cent: 52 times, 30 per cent.

Space on front pages and back cover page sold only on yearly contract at $1.00 per inch, net.

The AMERICAN FLORIST Advertising Department is for florists seedsmen and nurserymen and dealers in wares pertaining to those lines only.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Monday to secure insertion in the issue of the same week. Address

AMERICAN FLORIST CO., Chicago.

When sending us change of address always send the old address at the same time.

We do not assume any responsibility for the opinions of correspondents.

THIS ISSUE 84 PAGES WITH COVERS.

CONTENTS.

Field growing of narcissus for cut flowers (illus.).....125
Florists' plant notes—For September 126
Money for Burbank's work.....128
Nelumbiums (illus.).....129
The economical use of slack coal (illus.).....130
Chrysanthemums—Cultural notes...131
—Corythuca on chrysanthemums...131
The rose—Seasonable suggestions..132
—Average yield of roses.....132
The violet—Seasonable suggestions.132
The carnation.....134
—Seasonable notes.....134
—To heat carnation houses.....134
—Carnation bud supporters (illus.).134
The Jamestown exposition.....134
With the growers.....135
—Schneider & Noe, Congers, N. Y. (illus.).....135
—Geo. T. Schuneman, Baldwin, L. I., N. Y. (illus.).....135
Horticultural botany.....136
Dayton convention notes (illus.)...139
Market gardens.....140
—Seasonable notes (illus.).....140
Recent books.....141
The retail trade.....142
—Florists' work at New York hotels (illus.).....142
—Some wreaths (illus.).....142
The allied trades.....143
—How to make concrete.....143
—Hammond's works enlarged.....144
—Laying lapped glass (illus.).....144
—The abuse of valves.....145
Lilium philippensis (illus.).....146
Phœnix Roebelenii (illus.).....146
Boston.....147
Washington.....147
Pittsburg.....148
St. Louis (illus.).....148
Baltimore.....148
New Orleans.....149
Nashville.....149
Louisville.....149
Obituary—Adam Kimbel.....149
Personal.....150
In Chicago.....150
San Francisco.....152
Kansas City.....152
Toronto.....152
Montreal.....152
Salt Lake City.....154
Chicago.....156
Philadelphia.....158
Newport, R. I.....158
New York.....160
Buffalo.....160
The seed trade.....164
—General circular to melon growers 166
—Prevention of commercial corruption.....166
The nursery trade.....170
—American everblooming hydrangea (illus.).....170
—The new Hibiscus Syriacus Meehani (illus.).....170
Queries.....184
Our pastimes.....184
Special Illustrations:
—Ficus pandurata.....128
—Flower garden at Lincoln park, Chicago.....145
—A calla freak.....149

THE date of Easter next year is March 31.

OUR cover design shows a view on the grounds of the National Military Home, Dayton, Ohio.

IF the employer can not attend the convention, let him send some of his help to gather latest ideas and methods.

W. N. RUDD, of Mount Greenwood cemetery, Chicago, says the Baby Rambler rose is one of the best introductions of recent years.

A SUCCESSFUL grower says that violets should be planted indoors during August, before they get any of the disease. One dewy night brings on spot.

PECKY CYPRESS before used for benches should be thoroughly painted with crude oil thinned with kerosene. The benches should be thoroughly whitewashed before the soil is put in.

PHORMIUM TENAX in its green or variegated forms are fine tub plants for corridors, halls, balconies, etc. These plants have a character all their own and stand a great deal of abuse.

THE international conference on hybridization and cross-breeding, held under the auspices of the Royal Horticultural Society, of England, opened at London July 31. Many important papers were read, to some of which extended reference will be made in later issues.

Personal.

Dr. Augustine Henry, the well known English traveler who discovered so many new and meritorious plants in China and Formosa, arrived in New York, August 2, the object of his visit being to study the growth of certain timber trees.

In Chicago.

Visitors: Frank Stuppy, of the Stuppy Floral Co., St. Joseph, Mo.; J. L. Graver, of Shotwell & Graver, Fargo, N. D., returning from the east; A. Elberfield, of the Alpha Floral Co., and E. D. Ellsworth, with Geo. M. Kellogg, Kansas City, Mo.; Edw. Amerpohl, Janesville, Wis.; H. Ramm, representing Chas. A. Dards, New York City; John Christiany, Sheldon, Ia., and J. R. Falkenstein, Naperville, Ill.; W. G Matthews, Dayton, O.

Wm R. Smith's Victim.

Former Senator Call, of Florida, who immortalized himself by taking off a tight shoe in the senate chamber one day and hoisting a huge foot, clad in a blue yarn sock, on to his desk, heard from other senators, early in his term, that Superintendent Smith, of the Botanic Gardens, gave palms and potted plants to statesmen he liked.

Call wanted some palms and he cast about for a way to get on the right side of Smith. Somebody told him Smith was a great admirer of Burns and had a fine collection of Burns manuscripts and editions.

That was Call's cue. He walked over to the garden, found Smith and talked about many things. At the proper time, delicately and unobstrusively, he introduced the subject of Burns.

"There was the poet," he said. "For fine sentiment he has them all beaten. I read my Burns every day."

"Ken ye Burns?" asked Smith, much interested.

"I should think I did," proclaimed the enthusiastic Call. "Why, I know most of his poems by heart. They can have their other poets, but as for me, give me Jimmie Burns——"

"Jimmie Burns!" snorted the enraged Smith. "Jimmie Burns! Augh! Billie Washington! Charlie Napoleon! Sammie Jefferson! Get out of me sight, ye ignoramus!"

And Call never did get his palms.—Saturday Evening Post.

Bulletins Recently Issued.

By the United States Department of Agriculture, Washington, D. C.:

"The Home Vegetable Garden," by W. R. Beattie, Bureau of Plant Industry."

"Cucumbers," by L. C. Corbett, Bureau of Plant Industry.

By the Nebraska Agricultural Experiment Station, Lincoln:

"Cover-Crops for Young Orchards," by R. A. Emerson.

Catalogues Received.

Dobbie & Co., Rothesay, Scot., seeds and plants; De Graaff Bros., Ltd., Leiden, Holland, bulbs and plants; Henry F. Michell Co., Philadelphia, Pa., seeds; Pierson U-Bar Co., New York, U-Bar greenhouses; Quaker City Machine Works, Richmond, Ind., ventilating apparatus; W. W. Rawson & Co., Boston, Mass., seeds, bulbs and plants; Wm. P. Craig, Philadelphia, Pa., Easter lily bulbs; A. Dessert, Chenonceaux, France, peonies; Elm City Nursery Co., New Haven, Conn., hardy herbaceous plants, bulbs, etc.; Crenshaw Bros. Seed Co., Tampa, Fla., seeds; Clovena Nurseries, New York, seeds, bulbs, etc.; F. Weinberg, Woodside, L. I., N. Y., cacti, succulents and novelties; Seeger-Gallasch Refrigerator Co., refrigerators; Peterson Nursery, Chicago, peonies and German iris; James Veitch & Sons, Ltd., Chelsea, London, S. W., Eng., list of plant novelties; M. Herb, Naples, Italy, bulbs and seeds; Perennial Gardens Co., Toledo, O., seeds, bulbs and plants; J. M. Thorburn & Co., New York, bulbs; Peter Henderson & Co., strawberry and vegetable plants, vegetable seeds, etc.; C. & M. Wild, Sarcoxie, Mo.; peonies, dahlias and gladioli; Wild Bros. Nursery Co., Sarcoxie, Mo., nursery stock; Chas. D. Ball, Philadelphia, Pa., palms and decorative plants; Alex. Dickson & Sons, Newtownards, Ire., new roses; Hartmann Bros. Manufacturing Co., Mount Vernon, N. Y., sun dials and pedestals; E. A. Reeves, Farmount, Cleveland, O., peonies; The Proctor & Gamble Co., Cincinnati, O., Ivory soap insecticide; Horsfall Destructor Co., Ltd., Leeds, Eng., refuse destructors; P. C. Peterson, Hannover, Germany, artificial flowers.

Meetings Next Week.

Baston, Mass.—Gardeners' and Florists' Club of Boston, Horticultural Hall, August 21.

Chicago.—Gardeners' and Florists' Union No. 10615, 10-12 Clark street, August 22.

Dayton, O.—Society of American Florists, annual convention, August 21-24.

Dayton, O.—Dayton Florists' Club, 112 South Main street, August 20.

Denver, Col.—Denver Floral Club, 323 Charles Block, August 24, at 8 p. m.

Des Moines, Ia.—Des Moines Florists' Club, Iowa Seed Co.'s store, August 21, at 8 p. m.

Hamilton, Ont.—Hamilton Gardeners' and Florists' Club, office of member, August 21, at 8 p. m.

Hartford, Conn.—Hartford Florists' Club, August 24, at 8 p. m.

Montreal, Que.—Montreal Gardeners' and Florists' Club, Alexandria rooms, 2204 St. Catherine street, August 20.

New London, Conn.—New London County Horticultural Society, Elks' Hall, August 22.

Providence, R. I.—Florists' and Gardeners' Club of Rhode Island, 96 Westminster street, August 20, at 8 p. m.

Richmond, Ind.—Richmond Florists' Club, greenhouses of member, August 20.

Salt Lake City, Utah.—Salt Lake Florists' Club, Huddart Floral Co., 114 East Second South street, August 21.

Seattle, Wash.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street, August 21.

Toronto, Ont.—Toronto Gardeners' and Florists' Association, St. George's Hall, Elm street, August 21, at 8 p. m.

Coming Exhibitions.

[Secretaries are requested to supply any omissions from this list.]

BOSTON, MASS., September 5-6, 1906.—Annual plant and flower exhibition Massachusetts Horticultural Society. Address Wm. P. Rich, Horticultural hall, 300 Massachusetts avenue, Boston, Mass.

BOSTON, MASS.—November 2-4, 1906.—Chrysanthemum exhibition Massachusetts Horticultural Society. Address Wm. P. Rich, Horticultural hall, 300 Massachusetts avenue, Boston, Mass.

CHICAGO, November 6-12, 1906.—Annual exhibition Horticultural Society of Chicago. Address Willis N. Rudd, Blue Island, Ill.

MADISON, N. J., November 1-2, 1906.—Eleventh annual flower show Morris County Gardeners' and Florists' Society. Address E. Reagan, Box 315, Morristown, N. J.

NEW HAVEN, CONN., November 6-8, 1906.—Annual exhibition New Haven County Horticultural Society. Address Thos. Pettit, 90 Prospect street, New Haven, Conn.

PROVIDENCE, R. I., November 9-10, 1906.—Chrysanthemum and carnation exhibition Rhode Island Horticultural Society. Address C. W. Smith, 27-29 Exchange street, Providence, R. I.

RED BANK, N. J., October 31-November 1, 1906.—Ninth annual exhibition Monmouth County Horticultural Society. Address H. A. Kettel, Red Bank, N. J.

SANTA BARBARA, Cal., October 17-18, 1906.—Chrysanthemum exhibit Santa Barbara County Horticultural Society. Address Thos. Poole, Santa Barbara, Cal.

TARRYTOWN, N. Y., October 30-November 1, 1906.—Eighth annual exhibition Tarrytown Horticultural Society. Address E. W. Neubrand, Tarrytown, N. Y.

WORCESTER, MASS., November 8, 1906.—Chrysanthemum exhibition Worcester County Horticultural Society. Address Adin A. Hixon, Horticultural hall, 18 Front street, Worcester, Mass.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

Cash with Adv.

Plant Advs. NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1906 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

Situation Wanted—By first-class orchid grower and gardener, fully up-to-date; best of references. Address Key 755, care American Florist.

Situation Wanted—By good grower of roses, carnations and general greenhouse stock; good designer. Key 760, care American Florist.

Situation Wanted—By a rose grower of 17 years' experience; 7 years with the best growers near Chicago. Address Key 763, care American Florist.

Situation Wanted—By two young men, 18 and 17 years of age, with some experience in greenhouses. Address HENRY or CHAS. DUMEKE, R. F. D. Route 1, Blandon, Pa.

Situation Wanted—As private gardener, by a young man, single, 26 years old. Long experience in greenhouse and outside work. Good reference. Key 757, care Ameaican Florist.

Situation Wanted—Experienced man in general indoor and outdoor work is open to engagement in public or private garden; best of references. Address JOHN FABIAN, 2234 W. Kinzie St., Chicago.

Situation Wanted—As foreman by a practical grower of cut flowers, capable of managing a large plant; has had entire charge of leading places; first-class references as to ability, etc.; state wages. Key 762, care American Florist.

Situation Wanted—By an all-around florist and gardener, age 29; Swede. life experience in Europe and this country; to take charge of private or commercial place; first-class references. Please give full particulars in first letter. Address Key 751, care American Florist.

Situation Wanted—By manager of large private or commercial place. 23 years' experience, Europe and this country in greenhouses, nurseries and landscape gardening. Good wages expected. Excellent references. Address Key 759, care American Florist.

Situation Wanted—As working foreman, strictly sober, reliable, good education, German, single 20 years' thoroughly practical experience and good judgment in the line of horticulture, especially roses, carnations, 'mums, ferns, violets, fancy flowering pot plants and bulbs; good designer; first-class reference. Please state full particulars with wages, in first letter. Address Key 761, care American Florist.

Situation Wanted—As florist and gardener on commercial or private place; 26 years' practical experience in propagating, growing and forcing; good grower in roses, carnations, 'mums, violets, etc.; landscape gardening, vegetables in or outdoors; German, married, 40 years of age; No. 1 references. Please state particulars and salary in first letter. Address E. B., post-office, Bloomfield, N. J.

Help Wanted—Two good single men, as growers, one for carnations and one for roses. Key 756, care American Florist.

Help Wanted—A young man for store work (western state); give age and full particulars in first letter. Key 758, care American Florist.

Help Wanted—A first-class carnation grower. Wages $45.00 to $50.00 per month; send references. HASKELL AV. FLORAL CO., Dallas, Texas.

Help Wanted—At once; capable man to take charge of 20,000 feet of glass in carnations; $50.00 per month to start. J. W. DUNFORD, Clayton, Mo.

Help Wanted—One good nurseryman and good propagator wanted at our nurseries good wages to right man. VAUGHAN'S SEED STORE, Chicago.

Help Wanted—About October 1, all-'round gardener; private place, small greenhouse, but mostly outdoor work; must be sober, reliable and well recommended; $45 per month, room and fuel. J. S. BAKER, St. Croix Falls, Wis.

Help Wanted—2 good greenhouse men who can grow roses, carnations, 'mums and general stock; state experience and wages wanted. Permanent position. Aderess C. L. SHANKS, Newton, Kans.

Help Wanted—Strong boy, experienced in greenhouse, market garden, and horses; send age, nationality and experience in first letter. Good wages and a chance to improve rapidly for one who comes well recommended. Address A. B. LEWIS, Pontiac, Mich.

Help Wanted—At once; a good man for greenhouse and one landscape man to take full charge of all outside work and help in greenhouse when there is no work in his own line; permanent position and good salary to the right men; no others wanted. W. W. SEEKINS, Duluth, Minn.

Help Wanted—Gardener, married German preferred; if family, state how many Location Western Pennsylvania, near large city; comfortable home on place. Must understand care of cows and greenhouse, same heated by gas. Wages $40.00 per month and house. Last man with me 10 years. Address D., care American Florist, 1133 Broadway, New York.

Wanted—Catalogues and price lists of bulbs and supplies. PARK FLORAL, 1437 Haight St., San Francisco, Cal.

For Sale—1800 feet 4-inch cast pipe, in good condition at 10c. per foot. F. O. B. Paducah, Ky. C. L. BRUNSON & Co., Paducah, Ky.

For Sale—Nine greenhouses, dwelling house and barn, 3½ acres of ground. For particulars address P. O. Box 109, Newtown, Bucks Co., Pa.

For Rent—Four greenhouses, 11,000 ft. glass, at Cedar Rapids, Iowa, stocked and in good repair. W. M. KEELEY, Washington, Iowa.

For Sale or Rent—Store and five small greenhouses, with or without dwelling, on street car line; only florist in town; cause sickness. 548 119th St., West Pullman, Chicago.

For Sale—Worthington duplex steam pump, capacity 30-40 gal. per minute in good condition, $45.00; No. 1 receiver and fittings for pump, good as new $50.00. Dean pump for hand or steam, almost new, $20.00; 6-inch pressure regulator, used two seasons, $50.00; 2½-inch pressure regulator, $18.00. Carnation supports, $15.00 per 1000; $125.00 for 10,000. JAMES W. DUNFORD, Clayton, Mo.

HELP WANTED.

Grower of miscellaneous stock, principally tea roses and carnations, for a public institution with about 15,000 feet of glass and plenty of outside ground; position pays $40.00 per month with room and board. Send full particulars to

Key 752, care American Florist.

GLASS—Big Bargain.

300 to 500 boxes 16x18 Double Thick B. in one shipment, at $2.75 per box, net cash, f.o.b. cars Boston, New York, Philadelphia, Baltimore, Pittsburg, Cincinnati, Cleveland, Buffalo, Detroit or Chicago. All other sizes very cheap. Last chance. Address

James H. Rice Co. Illinois & St. Clair Sts. CHICAGO.

FOR SALE.

All or part interest in a good 8-house greenhouse plant at Des Moines, with 3 acres of ground. Good foreman there will retain working interest.

VAUGHAN'S SEED STORE
CHICAGO.

HOT WATER BOILER.

Six feet high, new, double strength tubes; new asbestos lining; new, thick iron pocket; new grate; new grate rest; practically new—complete. Will heat 3 000 square feet. $85.00, cash with order, F. O. B.

F. WALKER & CO.,
R. F. D. No. 1. NEW ALBANY, IND.

GLASS.

We have for sale a lot of 16x18 glass A. & B. D. S., at a low price.

A. DIETSCH CO.,
617 Sheffield Ave., CHICAGO.

FOR SALE.

Two 75 H. P. Horizontal Tubular Boilers.
In Good Condition.

Dimensions, each 60 inches in diameter by 14 feet, 3 inches long; containing 92 tubes 3 inches diameter by 13 feet long.

Made by Roberts Iron Works Company, Cambridgeport, Mass.

Ten (10) years old. Copy of latest inspection report can be forwarded. Boilers must be removed during this summer. Price $400.00. Arrangements for delivery can be made according to conditions.

ISAAC COFFIN COMPANY,
52 Sudbury Street, : : BOSTON, MASS.

NOTICE

—OF—

STOCK HOLDERS MEETING.

CHICAGO, July 21, 1906.

Stockholders of the American Florist Company:

You are hereby notified that the annual meeting of the Stockholders of the American Florist Company will be held in the Beckel Hotel, Dayton, O., Wednesday, August 22, 1906, at 3 o'clock P. M., for the purpose of electing directors and officers for the ensuing term, and for the transaction of such other business as may come before the meeting.

J. C. VAUGHAN, Pres.
M. BARKER., Sec'y.

San Francisco.

With the exception of a solitary wedding of interest to the trade the past week, and few funerals, the realization has come to the trade that the regular summer routine is here. Stock is fairly good, and plentiful, barring roses, especially American Beauty, although some select blooms of the new crop are making their appearance. For the slow demand the market places our showing in abundance, asters, carnations, gladioli, lilies, lily of the valley, dahlias, sweet peas, candytuft and cattelyas in all their fantastic beauty, and greens, such as adiantum, asparagus and smilax. But times are coming better, I am told by Jack Sievers, of Sievers & Boland's Floral Depot, than whom I know of no better authority on the social status of San Francisco. He said: "You may quote as saying that before another October arrives you will see local society in a state of activity never before surpassed in this city, the croaker, and the dyspeptic notwithstanding. I tell you this city's time of mourning and indifference for flowers is going to end, and there will be something doing socially in town when the brown hills send the sojourners back from the taverns and farms and country houses. The florists will have a big inning the coming fall and winter,—you mark my words."

NOTES.

The one wedding of the week, referred to above, was that of Miss Florence Cole and Charles R. McCormick. Charley, as he is called by most of the florists who know him very well, had told all the principal dealers that he wanted their assistance at his wedding, and didn't want anything stingy looking, and there wasn't. The florists made the home of the wedding scene very attractive in a dress of pink blossoms and greens. In the ceremony room the windows and broad window seat were banked with boughs of glossy huckleberry, with huge clusters of deep pink hydrangeas on either side. Pink Japanese lilies were used in this and the dining room and hall. They even found the bride's long tulle veil and caught it with orange blossoms and left with it a bouquet of lily of the valley, and bouquets of pink roses for the two bridesmaids.

The prominent Oceanside grower, H. Plath, remarked this week: "I do not think there will be any lack of flowers next winter, as most of the growers on the San Francisco side of the bay are getting their houses into shape again. At present the growers experience a great deal of trouble in getting help. It seems as if most of the gardeners had been scared away by our late unpleasantness."

Both Ferrari Bros. and Schwerin Bros. are hard at work planting their houses with carnations and roses.

JESSE WHITE.

Kansas City.

TRADE CONTINUES DULL.

The summer dullness still maintains its grip on the market, scarcely anything being done in the way of business. A visit to stores and greenhouses invariably finds two or three missing from the usual force. Almost every establishment of importance will be represented at the convention. Judging from the large number who will attend convinces one of the remarkable interest manifested in the coming meeting in comparison with previous meetings. The generous rains of the past week have brought about a new color in plant life, and served to relieve the suffering on account of the heat, which until the first of the week had caused much distress among growers in particular. The market remains about the same as last noted, with the possible exception of a slight improvement in the condition of rose stock. Asters are about the only thing to be seen that are really plentiful. Some very good ones have found ready sale the past week. Prices range all the way from 50 cents to $2.50 per 100. Lily of the valley, water lilies, tuberoses and all kinds of summer flowers are to be seen, but in limited quantities.

NOTES.

The news of the death of James Hartshorne comes a great shock to all the trade. To those who were familiar with the remarkable personality of this man, falls a great loss indeed. In this city Mr. Hartshorne was well known. Progressive, and straightforward in all principles, are qualities which made him one of the foremost members of the trade. To him we owe much tribute for the great American carnation of today. All the trade unites in expressing deepest sympathy in the loss of this valuable member of our trade.

Wm. Bastin reports a fair trade for the first half of the month. The best gladioli, asters and dahlias are to be seen at his place.

Al. Broman, of Independence, sends in a quantity of fine asters. Miss M. Daley uses Mr. Broman's entire output.

Carl E. Taulis, of Muskogee Carnation Co., Muskogee, I. T., paid us a visit last week on his return from Colorado.

Milton Steineker, a gardener near Muncie, Kans., was killed by a Union Pacific train near this city August 10.

Miss Inez Logan, secretary for the Rock Flower Co., is spending her vacation near Leavenworth, Kans.

Miller E. Carter and wife will leave August 20 for a three weeks' trip to Colorado and Utah points.

E. A. Humfeld has returned from an enjoyable vacation in the northern states.

Joseph Stern, of Philadelphia, Pa., was a recent visitor.

Alex. Kerr will spend his vacation in the Ozarks.

K. C.

Toronto.

FLOWER MARKET GLUTTED.

The usual summer inactivity exists at present. With the exception of roses there is a glut of all classes of flowers on the market. Gladioli are arriving in very large quantities, asters by the wagon load, and sweet peas and lilies almost too plentifully to be disposed of. A few new roses are coming in, but they are as yet short in the stem. American Beauty is about over.

Interest at present centers in the coming convention at Guelph. We learn that the greenhouses of the Ontario Agricultural College are to be enlarged, the King Construction Co., of this city have been awarded the contract for the superstructure and the substructure has been let to another company. The cost of the work complete will be about $5,000.

The Manton Bros., of Eglinton, have dissolved partnership. Thos. Manton getting the old place, and Geo. Manton conducting the new place recently purchased, where he is at present cutting some very nice American Beauty blooms from new stock.

The Bedford Park Floral Co. has completed building and its stock looks very promising. Next week two 40 H. P. boilers will be put in.

Wm. MacKay has received the glass for his new house which will soon be ready.

J. H. Dunlop and wife are visiting in Montreal with the Knights Templar.

James Milne has been off on a two weeks' holiday.

Visitors: E. L. McGrath, Pittsburg; D. McRorie, representing W. A. Manda & Co., South Orange, N. J.

H. G. D.

Montreal.

MARKED IMPROVEMENT.

Business last week showed marked improvement over the week previous. Funeral orders continue to come in; the mortality among the children is very high owing to the hot weather. Rain has fallen very little this summer so far and plants that cannot be watered regularly are suffering badly. Very few young roses have been planted in this locality this year, most growers carrying the old ones for another year, some of them for the fifth time, and they are as profitable, if not more so, than the young ones; another advantage is that they yield flowers all the year around. The drying-off process is practiced here very little now.

NOTES.

At the last meeting of the Gardeners' and Florists' Club, the secretary announced a balance of $41 from the late picnic. The members present unanimously agreed that it was the best outing they had ever enjoyed. Geo. Trussell brought drown an armful of cut blooms of his great collection of perennials, which proved of great interest. G. Vreugde exhibited three specimen gloxinias, two of them grown from leaf cuttings.

Harris & Hopton are busy erecting their new plant. One house of 20 x 100 feet and one 18x98 feet are nearly completed. Three smaller houses will go up before fall.

D. J. Sinclair, of Toronto, was a visitor. He is going to open a commission house in St. James street, near White & Co.'s place.

James Kean and wife are mourning the loss of their baby son, aged five months.

LUCK.

BUCYRUS, O.—Pittsburg men have raised $2,000,000 to transform a 5,000-acre tract of land known as the Cranberry marsh into an immense garden. They are building a big boarding house and a railroad siding to the farm. They expect to get their returns from a 1,000-acre potato patch, 150 acres of celery, 75 acres of horseradish, 250 acres of onions and 1,000 acres of corn. To handle these growing crops a force of 500 people will be employed.

OUR WAREHOUSE

Is crowded from the basement to the roof with the best and most varied stock of **Florists's Supplies** we have ever offered.

The Factory is constantly turning out staple goods and ideas of our own in new things for up-to-date stores. We offer all the novelties of merit in the European markets, personally selected by our Mr. M. Rice, who has just returned from an extended trip abroad. Our exhibit at the Dayton meeting of the S. A. F. will include many novelties and all the best that is used in the every-day business, which Mr. Eschner will be glad to show you.

M. RICE & CO.,

The Leading Florists' Supply House. Ribbon Specialists.

1220 Race St., PHILADELPHIA, PA.

FLOWERS. JUST FLOWERS.

Nothing but cut flowers. The best the market affords. Leaders at this time:
ASTERS, ROSES, VALLEY AND CARNATIONS.

WM. J. BAKER, WHOLESALE FLORIST, 1432 South Penn Square, **Philadelphia, Pa.**

Eugene Bernheimer,

WHOLESALE FLORIST,

11 So. 16th Street, PHILADELPHIA.

Always Ready to Supply Your Wants
in the Cut Flower line.
CARNATIONS, ROSES, ASTERS,
and all choice stock at short notice.

HIGH GRADE FLOWERS

THE BEST THE MARKET AFFORDS, together with careful packing is rapidly building up our shipping trade. Send a trial order.

BERGER BROTHERS, WHOLESALE FLORISTS, 1235 Filbert St., PHILADELPHIA.

WE OFFER CHOICE STOCK FROM THE BEST GROWERS OF

American Beauty and Liberty Roses.

All other seasonable summer flowers.

THE PHILADELPHIA WHOLESALE FLOWER MARKET, 1235-37 FILBERT ST., PHILADELPHIA.

I will carry for the next six weeks the largest and best assortment of **Cut Dahlias** in this city. **CHOICE ASTERS,** Superb Long Stemmed Flowers, and all other Seasonable Stock.

WM. J. MOORE, Wholesale Florist, 1237 Filbert St., Philadelphia.

This is the florists' time to travel and it pays to tell them what you have to offer now so that they may stop off and see for themselves. Tell them also what you will exhibit at the convention. Advertising in the best trade paper is the best way to reach the real buyers.

Salt Lake City.

"Nothing doing" is the slogan of the florists in this locality, when you mention business to them. There is a little funeral work occasionally but as yet it hasn't amounted to very much.

Special mention was given Thos. Hobday, Mgr. of Morris Floral Co., in the local papers recently, on account of his ability as a ball player in a game between the fats and leans. Tom being in the box for the fats and winning his game. As the day was an extremely hot one, Tom does not seem to have much energy left in him since the game.

The main topic of the day among the florists is a bowling match between the growers and the retailers. D. E. Law of the growers says "We'll eat 'em up," and Walter King of the retailers says "Easy Money" and so it promises to be a game well worth watching.

S. R. Lundy has resigned his position with the Morris Floral Co., and has left for Los Angles, where he has a position with J. W. Wolfskill. Sam's many friends regretted to see him leave.

The Child Floral Co., at 178 Main street, closed its doors on the first of the month. It is not known whether or not they will resume business in the fall.

Mart Erickson stayed over a day or two, while on his way east. Mart has been spending his vacation on the coast.

E. S. Kennedy of the Park Floral Co. at Denver, was here looking over the city, for a few days. UTAH.

ASPARAGUS Plumosus Nanus from flats, $6.00 per 1000

large 3-in, **Plumosus Nanus,** $18.00 per 1000. Cash with order, prepaid. **Sprengeri,** from flats, $6.00 per 1000. The **Royal Palms of Cuba,** $2.00 per 1000.

YALAHA CONSERVATORIES,
YALAHA, LAKE CO., FLA.

LARGEST STOCK OF ALL

Belgian Plants.

AZALEAS, ARAUCARIAS, SWEET BAYS, PALMS, BEGONIAS, GLOXINIAS, ETC.

Louis Van Houtte Pere,
GHENT, BELGIUM.

CARNATIONS

2 000 fine, healthy field-grown plants, Queen Louise, $4.00 per 100. 3,000 Queen Louise, Jubilee, and Ethel Crocker, from 2½-inch pots, strong, bushy plants, 2cts. each. Cash.

R. E. CREAGER, Thurmont, Md.

STRONG, HEALTHY, FIELD-GROWN

Carnation Plants

that will please you. 500 Boston Market, 900 F. Hill, 1,000 Queen Louise, 600 Pink Lawson, 500 Morning Glory, 300 White Cloud, 600 Crane, $4.00 per 100. Cash with order.

SUNNYSIDE GREENHOUSES,
Owosso, Mich.

SUPPLIES FOR

WESTERN FLORISTS.

We carry a full assortment and can save you time and money.

Ask For Price List.

The Barteldes Seed Co.
DENVER, COL.

ORCHIDS. ORCHIDS.

We Are Headquarters for Orchids.

We collect, import, grow and deal in this class of plants exclusively. If you are in the market for Orchids, we can supply your wants at fair prices. Our stock of established and unestablished Orchids is the largest and the finest in the country.

We respectfully solicit your inspection of our samples on exhibition in the Convention Hall at Dayton, Ohio.

LAGER & HURRELL, Summit, N. J.
Orchid Growers and Importers.

ROSES ROSES ROSES

We have the following in 2½ and 3-inch rose pots: American Beauties, Richmond, Brides, Maids, Meteor, Ivory, Golden Gate, Perle des Jardins, Chatenay, Souv. de Wootton, Aug. Vic, Kaiserin. Write for prices. Special discount of 10 per cent from our regular prices for cash.

FERNS.

Boston, Piersoni, Scottii, Barrowsii, Elegantissima.

Order now for Summer.

Smilax, Cinerarias, Cyclamen, Celestial Peppers, Ficus, Gloxinias, Tuberous Rooted Begonias, Fancy Leaved Caladiums, Rex and other Begonias.

Write for Price List.

GEO. A. KUHL, Pekin, Ill.
Wholesale Grower for the Trade.
Please mention the American Florist when writing

THE CHRYSANTHEMUM MANUAL.

By Elmer D. Smith.

PRICE 25 CENTS.
Cash with order.

American Florist Co.,
324 Dearborn St., CHICAGO.

Nephrolepis Whitmani

is **THE** fern to grow. Having ordered a large quantity I can fill orders on short notice. Write.

$25.00 per 100; **$200.00** per 1000.

S. S. SKIDELSKY, 824 N 24th St., Philadelphia.

ASPARAGUS ROBUSTUS.

An Asparagus that is worthy a trial by every florist, similar in habit and appearance to Plumosus, but superior to that variety in every way.

Price per 100, $3.50; per 1000, $30.00.

This price is good only for orders received on or before Aug. 27.

ASPARAGUS SPRENGERI.

Extra fine, good, strong plants from rose pots. I have a surplus of these and want them cleaned up by Aug. 27; the price being good only for orders received on or before that date.

$1.50 per 100; $12.50 per 1000.

A few thousand very good seconds at $1.00 per 100.

ASPARAGUS PLUMOSUS and SMILAX.

Plumosus, very fine stock at $2.00 per 100.

Smilax, good seconds at $1.00 per 100.

GERANIUMS.
Rooted Cuttings.

Orders accepted for delivery on and after Nov. 1, at $10.00 and $12.50 per 1000. I will have fourteen houses planted to stock plants. Send for list of varieties.

At Dayton I will be stopping at the Algonquin Hotel and will have samples of Robustus and Sprengeri with me.

ALBERT M. HERR
LANCASTER, PA.

Always mention the American Florist when you order stock.

Phoenix Roebelenii.

THE MOST GRACEFUL PALM OF ALL.

We have almost the entire stock of it in America.

SEEDLINGS, $5.00 per 100; $40.00 per 1000; $350.00 per 10,000. 4-in. pot plants, about 1 foot high, 12 to 15 leaves, $1.00 each; $80.00 per 100; $750.00 per 1000. 7-in. pot plants. about 2-2½ feet high, $5.00 each; $40.00 per 10: $350.00 per 100.

SPECIMEN PLANTS, $7.50 to $10.00.

We also offer for sale—**STOVE PLANTS, CALADIUMS, CROTONS** and **DRACAENAS** in finest varieties at reasonable prices.

JOHN LEWIS CHILDS, FLORAL PARK, L. I., N. Y.

Please mention the American Florist when writing.

5,000 PALMS.

SUMMER BARGAINS TO MAKE ROOM.

	Per 100
Lantania Borb., 2¼-in. pots	$ 4.00
" " 4½-in. pots	25.00
" " 5-in. pots	30.00
Kentia Balmoreana, 3½-in. pots	20.00
" " 4½-in pots	30.00
Boston Ferns, 2½-in. pots	4.00
Farfugium Grande, 3½-in. pots	10.00
" " 5-in. pots	15.00

Field grown **Bouvardias** and **Carnations** priced on application. Address

NANZ & NEUNER, Louisville, Ky.

MOVED To Larger Quarters.

RICE BROTHERS,
128 N. Sixth St.

We are now located in our new place of business, directly across the street from old quarters. Have added a more extensive line of supplies, comprising the most complete stock carried by a supply house. Every facility to handle cut flowers in the proper shape, having chemical and ice storage.

FLOWERS BILLED at MARKET PRICES

Greens of all Kinds.

MINNEAPOLIS, MINN.

SOMETHING NEW Branches of the Huckleberry Tree.

A most elegant decorative green. It is largely used by florists of the Pacific Coast, Washington and Oregon in decorations. The branches are **flat**, very thickly furnished with exceedingly lustrous, green leaves, and it seems to adapt itself to almost any position in decoration that the Wild Smilax can be used in.

New crop **Hardy Ferns,** now ready. Fancy $1.25 per 1000; Dagger, $1.00 per 1000.

CALDWELL, the Woodsman, EVERGREEN, ALA.

SEND FOR FREE SAMPLE OF MY

Fadeless Sheet Moss

EDWARD A. BEAVEN,
Evergreen, Ala.

ASPARAGUS

PLUMOSUS NANUS, 2-inch pots, $3.00 per 100; $25.00 per 1000, transplanted from the bench $2.50 per 100; $20.00 per 1000.

SPRENGERI, 2-inch, $3.00 per 100; $25.00 per 1000, from bench, $2.50 per 100; $20.00 per 1000.

WM. CLARK, Colorado Springs, Col.

Please mention the American Florist when writing

BRONZE GALAX,

$6.50 per 10,000 lots, or 75c per 1000.

Fancy or Dagger Ferns.

No. 1 Stock, 65c per 1000. Discount on large orders.

Bouquet Green, $6.00 per 100 lbs. **Green** and **Spaghnum Moss,** 75c per bbl.; 50c per sack. Always send to us for your **Laural Festooning.** Made fresh daily from the woods, 4c, 5c and 6c per yard. It's the only decorative green to give universal satisfaction at this time of the year. Try our **Branch Laurel,** only 35c per large bundle. Our **Laurel Wreathes** must be seen to be appreciated, $2.50 per doz. Send us your orders, we will do the rest.

Telegraph Office, New Salem, Mass. Long Distance Telephone Connections.

CROWL FERN CO., Millington, Mass.

New Crop Dagger and Fancy Ferns

$1.00 per 1000.

FOR EVERY OCCASION.

HARDY CUT DAGGER and **FANCY FERNS,** per 1000..1.00
Discount on large orders
BRILLIANT BRONZE and **GREEN GALAX,** per 1000.. 1.00
10,000 lots $7.50.
BOUQUET GREEN, per hundred yards..... 7.00
LAUREL FESTOONING, good and full, 5c to 6c per yard
LAUREL WREATHS, per dozen..... 3.00

BRANCH LAUREL, per bunch.....$ .50
BOXWOOD, per pound..... .20
LEUCOTHOE SPRAYS, per hundred..... 1.00
GREEN and **SPHAGNUM MOSS,** per barrel 1.00
LYRATA, which makes a fine substitute for decorations for June.

Also headquarters for all Florists' Supplies, such as **Milkweeds, Wire Designs, Cut Wire,** all kinds of **Letters, Immortelles, Cycas Leaves,** sheaves of **Wheat, Ribbons, Corrugated Boxes** of all kinds etc.

HENRY M. ROBINSON & CO., L. D. Phone 7618 Main. **8 to 11 Province St., Boston, Mass.**

L. B. BRAGUE

HINSDALE, MASS.

Wholesale Dealer in

Hardy Cut Ferns.

Also Wholesale Dealer in

Christmas Trees and Baled Spruce for cemetery use,

BOUQUET GREEN, SPHAGNUM MOSS, &c., &c.

Extra Fine New Crop **FANCY FERNS** $1.00 per 1000 Discount on large orders.

GALAX.....per 1000, $1.25

Send for our weekly price list on Cut Flowers.

MICHIGAN CUT FLOWER EXCHANGE

WM. DILGER, Manager. 38 and 40 Miami Ave., **DETROIT, MICH.**

Chicago.

WEEK SHOWS DECIDED IMPROVEMENT.

Much to the relief of overstocked wholesalers, business showed a decided improvement early in the week. Local buying increased considerably and the shipping trade assumed very satisfactory proportions for this time of year. With the influx of orders, stock of all kinds became scarce and prices stiffened under its influence. In addition to this, what little material is now arriving is, for the greater part, first class, and commands good summer figures. American Beauty, however, is exceptionally plentiful, as several large establishments are at present cutting heavily of old plants. Kaiserin is arriving in good quantities and in most cases looking very fine; Liberty and Richmond are scarce, while Bride and Bridesmaid are hard to be found in any quantity. Carnations have shortened up considerably, and as the stock is good, sell readily. Outdoor flowers are rapidly becoming a thing of the past. This is due to the drought which came early in the year. Gladioli are still quite plentiful and move more freely than heretofore.

CLUB MEETING.

The regular meeting of the Florists' Club was held August 9 with a hot weather attendance, President Hauswirth in the chair. The transportation committee reported on the arrangements made for the Dayton convention trip, details of which have already appeared in our columns. John J. Wolniewiz, 1826 Claremont avenue and James Hamlin, Geneva, were elected members. President Hauswirth gave an outline of the trade conditions in San Francisco and reported as to his disposition of part of the fund raised for the relief of the trade of that city. Geo. Asmus, L. H. Winterson and W. K. Wood were appointed a committee to draw up suitable resolutions on the death of James Hartshorne. After some discussion of convention matters the meeting adjourned.

NOTES.

Geo. B. Moulder, gardener in chief of the Illinois Central railroad, called last week and in an interesting talk concerning his work said that his employers were greatly pleased with and interested in the horticultural improvements along their road and there is every reason to expect this feature will be greatly extended and improved in the immediate future. Mr. Moulder has established a 10-acre nursery for the company at Flossmoor, a suburb of this city, and expects ultimately to have the greenhouses, now at Champaign, located on the nursery grounds. There is one gardener in charge of the horticultural work on each of the 18 divisions of the railroad and Mr. Moulder has invited all of them to make an eight or 10 day inspection tour of the horticultural features of the system. The gardeners of other railroad systems have been invited to participate and Mr. Moulder looks forward to this trip as being of much value to his men as well from a recreative as an educational standpoint.

Inquiry among representatives of the trade and allied trades would indicate a record-breaking attendance from this city at the Dayton convention. In some cases, two and three members of the same firm will be present. Very nearly every wholesale florist will be there in person or represented. The following is a list of prospective conventionites: E. F. and L. H. Winterson, the three Poehlmann brothers, J. B. Deamud, J. P. Kyle, Nic. Wietor, Leonard Kill, J. Zech, Chas. W. McKellar, A. L. Vaughan, C. L. Washburn, C. M. Dickinson, A. L. Randall, F. F. Benthey, P. Schupp, E. C. Amling and E. E. Pieser. Several of the above intend to take their families with them. Among the allied trades, greenhouse builders, boilermakers and glass dealers will be added to this list, with a goodly crowd of retailers and small growers.

The annual outing of the employes of the Geo. Wittbold Co. was held August 11 at Edgebrook. There was an attendance of about 175 people. Six double team wagons left the Buckingham place establishment early in the morning, carrying the crowd to a large wood near the firm's greenhouses. Games of all sorts were played and thoroughly enjoyed, although the real feature of the day was the catching of a greased pig by Wm. Schuett. It is on record that this enthusiast carried the pig in his arms to his home in Niles Center. Four colored comedians were hired to sing and dance, refreshments were provided, and everything possible was done to make the day a pleasant one for all concerned. A baseball game played between the Lake View team and the Edgebrook sports resulted in victory for the former.

All hands at the J. B. Deamud Co. for the past two weeks have been busy renovating the establishment. An entire new floor has taken the place of the old one; a handsome new refrigerator, measuring 6 x 8 x 13 feet now occupies the spot where its predecessor stood; walls and ceiling have been calcimined; several new benches installed and the firm name inscribed upon the street windows.

Edw. McMorran & Co. are receiving quite a number of orders for their powder blower. This inexpensive time-saving device is in use in some of the largest establishments and has in every case proven eminently satisfactory.

The A. Dietsch Co. is well satisfied with its present season's business. The firm claims that it has never before handled the volume of business it is now doing and all indications point to an even better trade next year.

The John C. Moninger Co. is enjoying a season of phenomenal prosperity. This firm intends to double the size of its persent quarters in the near future as it is badly in need of additional space.

The members of the Lake Geneva Gardeners' and Foremen's Association visited Vaughan's Nurseries and greenhouses to the number of 35, Aug. 15.

L. H. Winterson will take his wife with him to Dayton. After the convention they will extend their trip to New York.

Bassett & Washburn are receiving a daily cut of 3000 American Beauty. The stock is from old plants and exceptionally fine.

W. N. Rudd has been elected president of the Mount Greenwood cemetery, where he has been superintendent nearly 20 years.

Chas. Balluff, of the Eaton Floral Co., has returned from a vacation trip to Oshkosh, Wis., happy and very much tanned.

Joseph Strauss, bookkeeper for the A. L. Randall Co., took a vacation trip to Manitou Beach, Mich., last week.

Geo. Asmus had an attack of appendicitis which confined him to the house last week.

C. W. McKellar has returned from his trip to Mt. Clements, Mich.

Vaughan's Seed Store took a car load of French bulbs August 10.

30,000 Fine Field-Grown **CARNATION PLANTS**

The following varieties:

	100	1000		100	1000
White Cloud	$3.00	$25.00	Sports.....	3.00	25.00
Ine.....	3 00	25 00	Flora Hill...	3.00	25.00

Sprengeri and **Plumosus.** We grow them in 2½-inch pots and they are nice, bushy plants.

WALDECK BROS., 1218 Oakton St., **Evanston, Ill.**

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO,

Wholesale Dealers and Growers of **Cut Flowers**

GREENHOUSES: HINSDALE, ILL.

CINCINNATI — CHICAGO — ST. LOUIS — CLEVELAND — BIG 4 ROUTE

Special Train

CHICAGO FLORISTS' CLUB

VIA

Big Four Route

CHICAGO TO DAYTON, O.

August 20, 1906.

LEAVE CHICAGO—Illinois Central Depot 12th and Michigan Avenue, 12:45 p. m. **Monday, August 20th.** Arrive at Dayton about 8:55 p. m. Elegant Coaches and Dining Car. A general good time assured enroute. Send your name at once to the committee if you contemplate joining the party. **J. C. Vaughan, W. N. Rudd, Geo. Asmus, Committee on Transportation.**

TICKET OFFICE:
238 Clark St., Chicago.

I. P. SPINING,
General Northern Agent.

E. H. Hunt,

WHOLESALE

Cut Flowers

"THE OLD RELIABLE."

76 Wabash Ave., ...CHICAGO.

Please mention the American Florist when writing.

E. C. AMLING

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

32, 34, 36 RANDOLPH ST.,
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Please mention the American Florist when writing

WEILAND & RISCH

Wholesale Growers and Shippers of
CUT FLOWERS
59 Wabash Ave., CHICAGO
'Phone Central 879.
Write for our wholesale price list.
WHOLESALE FLORISTS

Please mention the American Florist when writing.

Jensen & Dekema

CARNATION SPECIALISTS

674 W. Foster Ave., CHICAGO.

Please mention the American Florist when writing

SINNER BROS.

WHOLESALE CUT FLOWERS
60 Wabash Ave., Chicago.
Careful attention to all
SHIPPING ORDERS.

Please mention the American Florist when writing.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty.....

WHOLESALE GROWER of CUT FLOWERS

Chas. W. McKellar

51 Wabash Ave.,
CHICAGO.

ORCHIDS
A Specialty,

Fancy Stock in VIOLETS, VALLEY, ROSES, BEAUTIES, CARNATIONS and a full line of all Cut-Flowers. Greens, Wire-Work and FLORISTS' SUPPLIES.

Send for Complete Catalogue.

Wholesale Flower Markets

CHICAGO, Aug. 15.

Roses, Beauty, 30 to 36-in. stems		4 00
" " 20 to 24 "		2.50@ 3.00
" " 15 to 18 "		1.50@ 2.00
" " 12 "		.75@ 1.00
" Liberty, Chatenay		3.00@ 6.00
" Bride, Bridesmaid		3.00@ 6.00
" Golden Gate		3 00@ 6.00
" Killarney, Richmond		4.00@10.00
Carnations		1.00@ 1.50
" fancy		2.00
Lily of the valley		2.00@ 4.00
Harrisii lilies	per doz. $1.50	
Asparagus plumosus, per string 35 to 50c.		
" "	.35@ 1.00 per bu.	
" Sprengeri		2.00@ 4.00
Galax leaves	per 1000, $1 25	.15
Adiantum		.75@ 1.00
Fancy ferns	per 1000	1.50
Smilax	per string, 10c @12½c	
Sweet peas		.50
Asters		1 50@ 2.00
Auratum lilies	doz.	1.50

Poehlmann Bros. Co.

Wholesale Growers of and Dealers in Cut Flowers.

All telegraph and telephone orders given prompt attention.

Greenhouses: MORTON GROVE, ILL.

35-37 Randolph St., CHICAGO.

WIETOR BROS.,

Wholesale Growers of Cut Flowers

All telegraph and telephone orders given prompt attention.

51 Wabash Ave., CHICAGO.

J. B. DEAMUD CO.

Wholesale Cut Flowers,

51 and 53 Wabash Ave., CHICAGO.

Long Distance Phone Central 3155.

Consignments of Choice Flowers Solicited.

The Geo. Wittbold Co.

1657-1659 Buckingham Place, CHICAGO.

The only retail florist in Chicago who grows his own cut flowers.

FUNERAL WORK ORDERS, OUR SPECIALTY.

Be your own Commission Man

THE
FLOWER GROWERS' MARKET
furnishes the facilities.
See PERCY JONES, Mgr.
60 Wabash Ave., CHICAGO.

Vaughan & Sperry,

Wholesale Florists,

58 and 60 Wabash Ave., CHICAGO.

WRITE FOR SPECIAL PRICES.

Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO.

Telephone, Central 3284.

Please mention the American Florist when writing.

PETER REINBERG

Grower and Wholesaler of Cut Flowers.

1,200,000 feet of glass.
Headquarters for American Beauty.

51 Wabash Ave., CHICAGO.

Always mention the American Florist when you order stock.

KENNICOTT BROS. COMPANY

40-42-44 Randolph St., CHICAGO.

Our reputation has always been that we fill orders when others fail. All stock in season at Lowest Market Rates.

THE BENTHEY-COATSWORTH CO.

35 RANDOLPH ST. WHOLESALE FLORISTS CHICAGO.

Philadelphia.

MARKET DEVOID OF INTEREST.

Instead of one we have now had two very dull summer weeks. With the exception of the demand for funeral flowers, there has been scarcely any movement worth noting. Asters are now the flowers most in evidence, all the wholesale men having about all their available jars full of them. They move off at all sorts of prices while much of the vile smells of the ash carts is attributed to the departed shipments of previous days, which failed of appreciation. In spite of reports to the contary there are quantities of white carnations in the cooling boxes using up the ice at 30 cents per 100 pounds. Home grown American Beauty roses are now fairly plentiful and of good quality for the season. Other roses are also in full supply which would indicate that quite a number of growers are keeping their houses of teas over to run another season.

A CONSOLIDATION.

The event of the week is the announcement of consolidation of two important wholesale houses, namely; Samuel S. Pennock and the Philadelphia Wholesale Flower Market. The former is well known as the leading commission house of this city and the latter is also well known as the great combination of growers which a few years ago formed a company whereby to market its products independent of the commission man and without having to incur the expense of daily carriers. In other words, the idea was to bring the buyers to a given center and thus save all expenses of distribution. The idea was a good one which has worked well in other cities but for various reasons it ran up against a hard snag here and after a few years the venture developed into a big commission house although still bearing the name of "Market." Through all its vicissitudes the manager of the market, Chas. E. Meehan, kept a steady eye on the wheel and at last worked the craft into a safe and profitable harbor after which with great shrewdness he set about becoming owner. This he achieved and as a further step combined with Mr. Pennock, the biggest of the local wholesalers, with a view to consolidation. The outcome is the formation of the S. S. Pennock Meehan Co., chartered under the corporation laws of the state of Pennsylvania, with a capital of $60,000 to do a general commission and supply business.

The headquarters of the company will be in the S. S. Pennock building, 1608-1618 Ludlow street, which is the largest and best equipped establishment in the world, for doing a purely wholesale flower and supply business. The flower market, good will, personnel, customers and chattels will be transferred to the Pennock building, thus marking an epoch making event in the flower history of the city.

The move has been kept exceedingly quiet and the present announcement will be news to every one in the trade outside of the two principals. That it is a good move no one will deny. Each element in the consolidation has peculiar attributes in facilities and strength and the outcome cannot fail to be good for all concerned, buyers as well as sellers. It looks like a winning combination which ever way one looks at it and one of the strongest features is the unexampled facilities of the Pennock building with all its recent developments and improvements.

The officers of the new company are as follows: Samuel S. Pennock, president; Chas. E. Meehan, vice-president; Edwin J. Fancourt, Secretary; Ralph E. Faust, treasurer.

NOTES.

S. S. Pennock, who is so often noted as adding improvements to his place, has now about finished for this season at least. A large stairway to the second story has been removed and there is now no obstruction of any kind on the 5,000 square feet of floor space occupied by his rapidly growing business. In addition to this there is the same space in the basement, all cemented. This contains the refrigerating apparatus, the summer ice box and the boiler. The remainder is used for storing boxes and a hundred other purposes incidental to the business. The office department has been enlarged and fitted with all the up-to-date appliances for the systematic conduct of the business. Taken all in all, it is a model plant. Other houses are also spreading out by economizing space and adding additional room where they can.

The Leo Niessen Co. is much pushed for room but does not seem able to get it. When they moved to their present location it looked like a barn in its bigness. Now, even in the dull season, it seems as if every department was trying to borrow room from its neighbor. Even in these days of scarcity quite a stock of orchids is seen on the shelves and Mr. Niessen says that the demand for these high priced flowers is largely on the increase with them.

The Philadelphia Cut Flower Co. has taken in a portion of the yard adjoining and erected an ice box which is a cold storage room of itself. As soon as Jack Frost makes his appearance an opening will admit fresh air that will make the company independent of the ice barons until the robins come again. The office is now on the same floor as the salesrooms and is much more convenient.

J. D. Eisele has been enjoying the sea breezes of Asbury Park with his family the past week. "Taking a grand loaf," is the way he expresses it. About the size of it was that after his strenuous going over the place in the annual summer clean-up he worked himself out of a job and not caring to have the men see him standing about he hied himself and family off to the seashore.

The wholesale men held a meeting last Thursday of their protective association. They got together, as one of them expressed it, "to screw their courage up," for it will take considerable sand when the time comes to report Mr. Soandso as delinquent, particularly if he happens to be quite a buyer.

Wm. E. McKissick has changed his large box around so that it is on the side of the room, which gives a clear view to the office in the rear, allowing more light in the whole store. This is one of the neatest and best kept houses in the city.

Godfrey Aschmann sailed August 15 on S. S. New Amsterdam for Europe. He will visit Belgium, Holland, Germany, France and Switzerland and personally inspect the stock he purchases for his trade the coming season.

Chas. Poryzees, late of 29 S. Fifteenth street, has taken a lease on the basement at the corner a few doors below his old store. He will open up at his new location about September 1.

Edward Reid is off on his annual southern tour which extends as far as Jacksonville, Fla., and includes all the principle cities of the south Atlantic seaboard.

The Dreer place never looked better than at present. It is certainly a model establishment. K.

Newport, R. I.

The Horticultural Society's float, drawn by six horses, was the most beautiful in line at the carnival parade August 9. On this float was built a throne and canopy, under which Miss Gilles, the queen of the carnival, sat with her maids of honor at her feet. Six columns which supported the canopy were covered with oak and hemlock branches and decorated with pink hollyhocks, white and pink hydrangeas and the crown decorated with the same flowers. The most striking effect was produced with white and purple wistaria flowers, hanging from the roof of the canopy and columns, in shower effect. The float was beautifully studded with small electric bulbs in different colors. Dracænas, crotons and palms were used in the corners and sides. In the trades procession on the same day in the afternoon only one floral wagon was in line, representing a wedding decoration. In the center of the wagon was a large arch, and in the middle of the same a large bell, made of white dahlias, asters, Easter lilies and Asparagus plumosus, was suspended. Below this a mass of palms was arranged. The arch and sides of the wagon were decorated with laurel robing and single dahlias on a white background. On the rear of the wagon a large shield of immortelles and cape flowers showed well on a background of palms and flags. The wheels were decorated with bunting and laurel robing. A large sign on each side of the wagon reading "Ziegler's" was made of red immortelles on a white background.

Choice American Beauty, Killarney, Liberty and other popular roses. All the other staple flowers in quantities. **Unsurpassed shipping facilities.**

EDWARD REID, WHOLESALE FLORIST, 1526 Ranstead St., **Philadelphia**

FIELD-GROWN CARNATION PLANTS. All the standard varieties. List and prices on application.

ROSE PLANTS. 1000 Liberty, 3-inch pots..... $5.00 per 100.
1000 Liberty, 2¼-inch pots..... 4.00 per 100.

THE LEO NIESSEN COMPANY, 1217 ARCH ST., PHILADELPHIA, PA.

Roses - Asters - Gladioli

WE ARE RECEIVING THE BEST IN SUMMER FLOWERS.

PITTSBURG FLORISTS' EXCHANGE, Pittsburg, Pa.

Field-grown Carnation Plants. GOOD CLEAN STOCK. WRITE FOR PRICES.

ABSOLUTELY THE BEST POSSIBLE SERVICE.

W. E. McKISSICK,
Wholesale Florist,
1221 Filbert Street, PHILADELPHIA, PA.

Business Hours 7 a.m. to 6 p.m

Please mention the American Florist when writing.

VALLEY Special Prices Made on Yearly Contracts.

RIBBONS AND FLORISTS' SUPPLIES.

Samuel S. Pennock, THE WHOLESALE FLORIST, PHILADELPHIA.

ASPARAGUS PLUMOSUS NANUS.

Cut Strings, 50 cents each.

W. H. ELLIOTT, Brighton, Mass.

THE
J. M. McCullough's Sons Co.
Wholesale Commission Florists.

CONSIGNMENTS SOLICITED.
Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES, SEEDS and BULBS.
Price List on Application.

316 Walnut St., CINCINNATI, OHIO.
Phone Main 584.

Please mention the American Florist when writing.

C. A. KUEHN,
Wholesale Florist,
1122 Pine St., ST. LOUIS, MO.
A Complete Line of Wire Designs.

Please mention the American Florist when writing.

ROSES AND CARNATIONS

Pittsburg's Largest and Oldest Wholesalers.

PITTSBURG CUT FLOWER CO., Ltd.
504 Liberty Ave., PITTSBURG, PA.

Please mention the American Florist when writing.

Holton & Hunkel Co.
Wholesale Florists
Milwaukee, Wis.

Please mention the American Florist when writing.

Wholesale Flower Markets

PHILADELPHIA, Aug. 15.

Roses, Tea	3.00@ .400
" " extra	6.00@ 8.00
" Liberty	4.00@15.00
" Queen of Edgely, extra	16.00@25.00
" " " firsts	12 00@15 00
" Beauty, extra	16.00@25 00
" " firsts	12.00@15 00
Carnations	1.00@ 3.00
Lily of the valley	2 00@ 4.00
Asparagus, bunch	25 00@50.00
Smilax	20 00@25.00
Adiantum	.75@ 1.50
Cattleyas	.50@ .60
Gardenias	8 00@10.00
Sweet peas	.40@ .50
Auratum lilies	12 00@ 16 00
Gladiolus	2.00@ 5.00

BOSTON, Aug. 15.

Roses, Beauty, best	12 00@25.00
" " medium	8.00@12.00
" " culls	1.00@ 4.00
" Bride, Bridesmaid	2.00@ 4.00
" Extra	6.00@ 8.00
" Liberty	6.00@25.00
Carnations	1.00@ 2.00
" Fancy	2.00@ 3.00
Lily of the valley	2.00@ 4.00
Smilax	8.00@12 00
Adiantum	.50@ 1 00
Asparagus	35 00@50 00
Sweet peas	.25@ .75
Pond lilies	2 00@ 4.00

BUFFALO, Aug. 15.

Roses, Beauty	5 00@25.00
" Bride, Bridesmaid, Meteor	3.00@ 8.00
Carnations	.50@ 2.00
Lily of the valley	3.00@ 4.00
Asparagus, strings	40.00@50.00
Smilax	15.00
Adiantum	.75@ 1.50
Lilies	3 00@15.00
Peas	.15@ .25
Water lilies	3.00@ 5.00
Gladiolus	1.00@ 3 00
Asters	.30@ 2.00

H. G. BERNING,
Wholesale Florist
1402 Pine St., ST. LOUIS, MO.

Please mention the American Florist when writing.

THE ART OF Floral..... Arrangement.

The first special newspaper in the world for floral arrangement.

250 ILLUSTRATIONS ANNUALLY.

Specimen number free.
Subscription, $2.40 yearly.

BINDEKUNST-VERLAG,
J. Olbertz, ERFURT, GERMANY.

Please mention the American Florist when writing

J. B. MURDOCH & CO.
WHOLESALE FLORISTS,
FLORISTS' SUPPLIES.
545 Liberty Ave., PITTSBURG, PA.

Please mention the American Florist when writing.

NOW READY

To fill orders for **American Beauties, Lily of the Valley, Carnations** and all varieties of **Tea Roses** in lots of one hundred to one thousand at short notice Get our prices before ordering elsewhere.

WELCH BROTHERS,
15 Province St., BOSTON, MASS.

Please mention the American Florist when writing.

Nephrolepis Whitmani

2¼-inch, $25.00 100,

Boston Ferns 2¼-in. $3.00 per 100.

Henry H. Barrows & Sons, WHITMAN MASS.

Please mention the American Florist when writing.

New York.

INACTIVITY CONTINUES.

Summer dullness was never more apparent than now. Outside of what might be expected at this season the weather has been a factor in the condition of the market, and outside products have been somewhat curtailed. Roses are still on the short side of the market. Cutting from the new crop does not show very much in the daily arrivals. Bride and Bridesmaid are to be seen at their worst, and with these varieties dominating the market in white and pink sorts buyers have to get around pretty early to get the best offerings. Bride roses continue rather short in supply and the general run of stock is considerably off in quality. Kaiserin Augusta Victoria is a good thing just now, and brings a little more money than its prototype. American Beauty is neither one thing nor the other. Special grades are short in supply, and still shorter in demand, but maximum prices are not common by any means, and toppers, unselected, close out pretty freely at 20 cents. Asters are a little stronger this week, the stormy weather having shortened the cut; but that is not saying much, some fair stock going off at minimum prices. Lilies are a fairly good thing, and while they move slowly at times they are good stock, and values run to top. Carnations are not much in evidence, except from outside plantings, and these blooms hardly bring more than a cent apiece. Nothing much in carnation stock is expected now until the second week in September. Hydrangea, tamarix, hollyhocks, tuberoses, cosmos, and phlox are among the outside offerings just now.

NOTES.

Robt. G. Wilson has disposed of his interest in his New York store at 48 West Thirtieth street to Arthur C. Dacre, who has managed the business since its opening last March. Mr. Dacre is well known in the trade as a clever floral artist and decorator of many years' experience and should be able to build up a large and prosperous business. Mr. Wilson will concentrate all his energies on his Brooklyn store, the business of which demands his entire attention.

F. R. Pierson, of Tarrytown, is so engrossed with the supervision of the construction of his two mammoth greenhouses at Scarboro that he does not expect to be able to attend the Dayton convention. The workmen are behind in the glazing, which entails the use of over 1,200 boxes of glass, and there are 40,000 carnations yet to bench.

The local contribution to the Dayton convention is likely to be smaller than last year. So far those booking Pullman car berths are: Alex. J. Langjahr, F. H. Traendly, E. V. Hallock, J. Reimels, A. Zeller, E. L. Enggren, Patrick O'Mara, O. Boehler, J. G. Esler, John Scott and Julius Roehrs, Jr., with a party of ladies.

G. J. Nordell, of Long Branch, N. J., is going out of business. His property is to be absorbed for building purposes, and his 10 greenhouses, sash, equipment and plant stock, will be sold at auction about the end of the present month. John P. Cleary will be the auctioneer.

E. L. Enggren and Phil Kessler had one or two days' fishing on Jamaica bay last week, and report a big catch. It is generally supposed that Kessler was getting his sea legs in season for his trip to Europe. He sailed on August 14 on the Grosser Kurfuerst.

Walter Reimels, of Woodhaven, L. I., is the happy possessor of a fine gasoline launch, and takes out parties of friends two or three times a week, upon the waters of Jamaica bay. He calls this his vacation.

The employes of the commission men will play a game of baseball on Thursday at Winfield, L. I., the sides taking the titles, Richmond and Liberty.

A. H. Langjahr is showing daily arrivals of a new deep pink gladiolus, named Demetrius spectabilis.

H. Anderson, of Bayside, L. I., is shipping in some grand branching asters, white and shell pink.

Alex. J. Guttman, with Mrs. Guttman and his boys, is spending a week or two at Atlantic City.

Herman Dreyer, of Woodside, L. I., is enjoying a vacation with his family in Sullivan county.

Seligman & Co. have been busy for several days repainting the interior of their store.

Ed. Roehrs, of Rutherford, N. J., has been spending several days at Newport, R. I.

A. Moltz is back from an extended vacation in the Catskills.

Chas. B. Weathered spent a few days in Boston last week.

Buffalo.

STOCK IN LIMITED SUPPLY.

Continued fine weather and a limited supply of stock is what we have at present. The lack of good rain has made asters of a much poorer quality than we want. Roses are scarce and poor. American Beauty roses are only fair, but selling well. Gladioli are arriving in fine quality now and if it were not for them and the lilies, the stores would look like a bowling alley out of business, as they are about the only flowers that fill up the stores at present.

NOTES.

A well attended meeting of the Florists' Club was held August 8, with President Neubeck presiding. All routine business was attended to and four elected to membership, which was encouraging on a warm day. The subject of our annual picnic was taken up and a committee appointed to look up a proper place and make all arrangements. The route to the Dayton convention and the number going was left to President Kasting and Messrs. Scott and Guenther. Every endeavor is being made to have a good crowd go. It looks as if Secretary Peake will go provided he can get away from the store. His trade at present is good, in fact, he and the czar of the Chippewa market are doing about all the business here this summer. Ed. Slattery, of W. J. Palmer & Son, is soaring toward Milwaukee with the Eagles. Ed. is getting a well earned rest.

Miss Ruby Mark, of Palmer's, has returned from a pleasant trip to the Thousand Isles.

The sage of Corfu honored this city with his presence last week, and still no rain.

W. J. Palmer and wife are still away and enjoying themselves.

Wm. F. Kasting was in Erie, Pa., last week on business.

Chas. Sandiford and wife are east on their annual vacation.

Nearly every store has some one away at present.

Recent visitors: R. C. Ludwig, of A. N. Pierson, Cromwell, Conn.

BISON.

Syracuse, N. Y.

The month of August so far has shown a decided improvement over July. There has been considerable funeral work and general trade has been excellent. Asters are coming in freely, and are of good quality and bring 50 cents a dozen. Carnations and roses are scarce.

W. S. & E. J. Wheaton recently made a novel floral piece, the gift of the local branch of the Daughters of the American Revolution for the funeral of Mrs. Louise Van Loon Lynch. It was a spinning wheel with 13 stars and a distaff with flax through the center. The height was four to five feet and around the wheel was the inscription "Daughters of the American Revolution" in American Beauty and white roses. The stars were made of white carnations and the flax was represented by strands of the fence roping combed out.

Superintendent A. Smith of the state fair grounds has laid out several elaborate beds for this year's fair. One of them contains the name of Gov. Higgins in various colored plants and flowers.

P. R. Quinlan & Co. report an excellent trade in their two retail stores. The work of building additions to their range is well along.

Bard & Davis have been building a new greenhouse this summer.

Henry Morris has an elaborate display of gladiolii. A. J. B.

Glens Falls, N. Y.

Dr. G. W. Little has been renovating his carnation houses. Wm. Pellet, the doctor's carnation grower, is certainly having fine success with these plants.

H. L. Crandell's carnations in the field are exceptionally fine this year. Mr. Crandell his just returned from Chicago and other western cities.

A. J. Binley is at present moving his office nearer to the street, so as to be able to put in another house. L. P.

NEW BEDFORD, MASS.—Robt. Woodhouse has secured a permit to build an addition to his greenhouse plant.

Orchids!

ARRIVED IN SUPERB CONDITION.

Cattleya Dowiana, C. gigas, C. Mossiæ, C. Percivaliana, C. Speciosissima, C. Eldorado, C. superba, C. labiata, C. Leopoldii, and many more. Write for prices.

Lager & Hurrell, SUMMIT, N. J.

Orchid Growers and Importers.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World.

SANDER, St. Albans, England.

NEW YORK OFFICE: Room 1, 236 Broadway. **T. MELLSTROM** Agent.

HORACE E. FROMENT, Wholesale, Commission,
Successor to William Chormley.
Orchids, Roses, Carnations, Valley, Lilies, Etc.
57 West 28th Street, NEW YORK CITY.
Telephones 2200 and 2201 Madison Square.

Trade Directory

—OF THE—

UNITED STATES AND CANADA.

PRICE $2.00, POSTPAID.

American Florist Co.. 324 Dearborn St., Chicago.

Choice Carnations. Selected Roses.

Traendly & Schenck

NEW YORK CITY,

44 W. 28th Street, Cut Flower Exchange.

New Telephone No. 798 & 799 Madison Sq.

Please mention the American Florist when writing

CARNATIONS

MY SPECIALTY

Consignments Solicited. Prompt Payments

Established 1891.

Alfred H. Langjahr, 55 W. 28th St., NEW YORK.

Telephone 3924 Madison Square.

Please mention the American Florist when writing.

Original Pioneer House—Established 1871.

JAMES HART

103 W. 28th St., NEW YORK.

Wholesale and Commission

Consignments solicited. Shipping orders promptly attended to. 'Phone 626 Madison.

Please mention the American Florist when writing.

FORD BROS.

Receivers and Shippers of

Fresh Flowers

48 West 28th St. NEW YORK.

Telephone 3870-3871 Madison Sq.

Please mention the American Florist when writing.

N. Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York.

Open for Cut Flower Sales at 6 o'clock Every Morning.

Desirable Wall Space to Rent for Advertising.

V. S. DORVAL, JR., Secretary.

The Best Way to Collect an Account

is to place it with the

NATIONAL FLORISTS' BOARD OF TRADE, 56 Pine St., New York.

Why? Because many debtors will pay the Board, fearing otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.

Adiantum Farleyense

I can quote splendid stock at from $2.00 per dozen up to $24.00 per dozen, in 2-inch to 6-inch pots. If you are looking for Farleyense, better write me about it.

CHARLES H. TOTTY,

Madison, N. J.

Please mention the American Florist when writing.

Wholesale Flower Markets

NEW YORK, Aug. 15.

Roses, Beauty	best	10.00@25.00
"	" medium	6.00@10.00
"	" culls	1.00@ 4.00
"	Liberty, best	4.00@10.00
"	" culls	1.00@ 4.00
"	Bride, Bridesmaid, G. Gate	.50@ 4.00
"	Kaiserin, Carnot	1.00@ 6.00
Carnations		.50@ 1.00
"	fancy and novelties	1.50@ 2.00
Lily of the valley		.50@ 3.00
Lilies		6.00@ 8.00
Smilax		6.00@ 8.00
Adiantum		.50@ .75
Asparagus		20.00@50.00
Sweet peas	per doz. bu.	.12@ .25

Thomas Young

WHOLESALE FLORIST.

43 West 28th St., NEW YORK.

Alex. J. Guttman

The Wholesale Florist of

NEW YORK.

Phone 1664-1665 Mad. Sq. 43 W. 28th Street.

Moore, Hentz & Nash,

Wholesale Commission Florists,

55 and 57 West 26th Street,

Telephone No. 756 Madison Square. New York.

N. Lecakes & Co.

53 W. 28th St., NEW YORK.

Tel. No. 1214 Madison Square

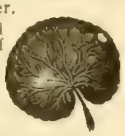
Stands at Cut Flower Exchange, Coogan Bldg., W. 26th Street & 34th Street Cut Flower Market. SPECIALTIES: Galax Leaves, Ferns and Leucothoe Sprays, Holly, Princess Pine and all kinds of Evergreens.

Green and Bronze Galax Leaves, $1.00 per 1000.

A. J. FELLOURIS,

J. J. Fellouris, Manager.

Wholesale and Retail Dealer in all kines of EVERGREENS, Fancy and Dagger Ferns, Bronze and Green Galax.



Telephone, 2675 Madison Square.

52 West 28th Street, NEW YORK.

George Cotsonas & Co.

Wholesale and Retail Dealers in all kinds of

Evergreens.

Fancy and Dagger Ferns, Bronze and Green Galax.

Phone 1202 Mad. Sq.

Main Store, 50 W. 28th St., NEW YORK.

—FLOWERS SHIPPED BY—

JOHN I. RAYNOR

Are the best product of the best growers for the New York Market.

Adiantum Croweanum sold here exclusively.

49 W. 28th St., NEW YORK.

Tel. 1998 Madison Square.

Please mention the American Florist when writing.

Walter F. Sheridan,

WHOLESALE FLORIST,

Telephone 902 Madison Square.

39 West 28th St., NEW YORK.

Please mention the American Florist when writing.

J. Seligman. Joseph J. Levy

John Seligman & Co.

WHOLESALE FLORISTS

56 West 26th Street, NEW YORK.

OPPOSITE N. Y. CUT FLOWER CO.

Everything in Cut Flowers. Consignments from growers solicited. Prompt returns. Best prices. Satisfaction guaranteed. Tel. 4878 Madison.

Please mention the American Florist when writing.

PHIL. F. KESSLER

Wholesale Commission Florist

Telephones { 2921 / 5243 } Madison Square.

55 WEST 26th STREET,

Consignments solicited. Prompt payments. New York.

A. M. HENSHAW

Wholesale Commission Florist.

Consignments of first-class stock solicited. Out of town orders carefully and promptly filled.

Telephone 5583 Madison.

52 W. 28th St., NEW YORK

Please mention the American Florist when writing.

Receivers and Shippers of Cut Flowers. Consignments Solicited.

A. L. YOUNG & CO. Wholesale Florists . .

54 West 28th Street.

Telephone 3559 Madison Sq. NEW YORK.

THE KERVAN COMPANY,

20 West 27th St., NEW YORK.

Wholesale dealers in fresh cut Palmetto and Cycas Palm leaves, Galax, Leucothoe Ferns, Mosses and all Decorating Evergreens.

J. K. ALLEN,

Wholesale Commission Florist.

106 West 28th St., NEW YORK CITY.

Open every day at 6:00 A.M. Tel. 167 Madison Sq.

IT IS NOT...

what you pay for the advertisement but what the advertisement pays you. It pays to advertise in the American Florist.

CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

DETROIT.

JOHN BREITMEYER'S SONS

Cor. MIAMI and GRATIOT AVES.

DETROIT, MICH.

...Artistic Designs...

High Grade Cut Blooms.

Wa cover all Michigan points and good sections of Ohio, Indiana and Canada.

Please mention the American Florist when writing.

MILWAUKEE.

C. C. Pollworth Co.

MILWAUKEE, WIS.

Will take proper care of your orders in WISCONSIN.

INDIANAPOLIS.

Bertermann Bros. Co.

FLORISTS

241 Massachusetts Ave., INDIANAPOLIS, IND.

ST. LOUIS.

Fred. C. Weber,

FLORIST,

4320-4328 Olive St., ST. LOUIS, MO.

Established 1873. Bell, Lindell 676.

DENVER.

The Park ...Floral Co.

J. A. VALENTINE, President. DENVER, COLO.

OMAHA.

HESS & SWOBODA,

Florists,

1415 Farnam Street, OMAHA, NEB

'Phone 1501 and L. 1588.

DENVER.

FLORAL DESIGNS AND FLOWERS.

Best Quality on Shortest Notice.

DANIELS & FISHER, DENVER, COLO.

Order by mail, telephone, telegraph or cable. Cable address: "Daniels Denver."

DULUTH.

ORDERS FOR DULUTH

AND VICINITY

will be carefully looked after by

W. W. SEEKINS

109 W. Superior St., DULUTH, MINN.

LONDON PARIS BERLIN

A. Lange

Prompt Attention to STEAMSHIP ORDERS.

Main Address 40 East Madison Street, Heyworth Bldg. ... CHICAGO.

Agents in all Leading European Cities.

WASHINGTON, D. C.

—

Gude's.

CHICAGO.

P. J. HAUSWIRTH

Auditorium Annex, CHICAGO.

Mail, telegrapn or telephone orders filled promptly in best style.

Please mention the American Florist when writing.

BUFFALO.

Palmer's

Buffalo, N. Y.

W. J. Palmer & Son, 304 Main St.

WASHINGTON.

GEO. H. COOKE,

FLORIST

Connecticut Avenue and L Street

WASHINGTON, D. C.

Please mention the American Florist when writing

KANSAS CITY.

Samuel Murray

...FLORIST...

Coates House Conservatory

1017 Broadway, KANSAS CITY, MO.

Both 'Phones 2670 Main.

Write, Telephone or Telegraph. All orders given prompt attention.

KANSAS CITY.

GEO. M. KELLOGG,

906 Grand Avenue,

KANSAS CITY and PLEASANT HILL, MO.

Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

ATLANTA.

ATLANTA FLORAL CO.

41 Peachtree Street, ATLANTA, GEORGIA.

NEW YORK.

W. H. Donohoe,

2 WEST 29th STREET,

Formerly of Young's. Tel. 3034 Madison Sq. NEW YORK.

Orders from the trade, for theatre, steamship or otherwise, filled in first-class style, at wholesale prices TRY ME.

BROOKLYN, N. Y. NEW YORK.

Robert G. Wilson,

BROOKLYN, N. Y., Fulton St. and Greene Ave. NEW YORK, 48 W. 30th St.

Trade orders from all parts of the country filled for delivery at residence, steamer, hotel or theatre, on wholesale basis. Satisfaction guaranteed. Wire or telephone.

ALBANY, N. Y.

EYRES

Flowers or Design Work.

DELIVERED IN ALBANY AND VICINITY ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

ST. PAUL.

HOLM & OLSON,

ST. PAUL.

THE LEADING FLORISTS OF THE NORTHWEST

Orders will be well cared for anywhere in Minnesota and the Dakotas

GALVESTON.

Mrs. M. A. Hansen,

—FLORIST—

Galveston, Texas.

Special attention given to Telegraph or Telephone Orders. 'Phone 1912.

JACKSONVILLE.

MILLS THE FLORIST,

36 W. Forsyth Street,

JACKSONVILLE, FLA.

WASHINGTON.

Mayberry & Hoover

Florists and Decorators

1339 Fourteenth St., Northwest

Telephone North 508. WASHINGTON, D. C.

New Orleans

CUT FLOWERS

For Tourists and General Trade.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, —838— CANAL ST.

COLUMBUS.

The Livingston Seed Co.

FLORISTS

Cover All Ohio Points. 114 North High St.

WE STUDY TO PLEASE

A Thorough Application of Business Principles, embracing prompt attention to filling all shipping orders with the best that the market affords, renders our house **The Best, The Safest, The Easiest to Deal With.**

WE WANT YOUR TRADE. GIVE US YOUR STANDING ORDER.

A. L. Randall Company, WHOLESALE CUT FLOWERS.

19-21 Randolph Street, CHICAGO.

The Cleveland Cut Flower Company,

WHOLESALE CUT FLOWERS, FLORISTS' SUPPLIES, WIRE DESIGNS.

215 Huron Road, CLEVELAND, OHIO.

Cut Flowers or Designs

Will be delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

NEW YORK.

Alexander McConnell

IN NEW QUARTERS.

571 Fifth Avenue, Windsor Arcade, NEW YORK CITY

TELEGRAPH orders forwarded to any part of the United States. Canada and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive our prompt attention.

Telephone Calls: 340 and 341 38th Street.
Cable Address: ALEXCONNELL.
WESTERN UNION CODE.

LOUISVILLE.

JACOB SCHULZ, 644 Fourth Ave., LOUISVILLE, KY.

Cut Flowers of BEST QUALITY in season delivered promptly to any address.

Write, Telegraph or Telephone.
Cumberland and Home Phones 223 and 984.

Steamship Sailings.

WEEK ENDING AUGUST 25.

Aug. 20, Lombard, Genoa-New York.
Aug. 21, Saxonia, Boston-Liverpool.
Aug. 21, Moltke, Genoa-New York.
Aug. 21, Kaiser Wilhelm II, N. Y.-Brem.
Aug. 21, Saxonia, Boston-Liverpool.
Aug. 21, Kronprinz Wilhelm, Brem.-N. Y.
Aug. 22, Noordland, Liverpool-Philadel.
Aug. 22, Teutonic, New York-Liverpool.
Aug. 22, Statendam, New Y.-Rotterdam.
Aug. 22, Sicilia, New York-Genoa.
Aug. 23, Ionian, Montreal-Liverpool.
Aug. 23, Lunisian, Liverpool-Montreal.
Aug. 23, La Touraine, New York-Havre.
Aug. 23, Kensington, Liverpool-Montreal.
Aug. 23, Oscar II, Copenhagen-New York.
Aug. 23, Deutschland, New York-Hamb'g.
Aug. 23, Roma, Naples-New York.
Aug. 23, Barbarossa, New York-Bremen.
Aug. 24, Cedric, New York-Liverpool .
Aug. 24, Empress of Britain, Mont'l-L'v'p.
Aug. 24, Empress of Ireland, Liv'l-Mon'l.
Aug. 25, Caledonia, New York-Glasgow.
Aug. 25, Columbia, Glasgow-New York.
Aug. 25, New York, New York-South'p'n.
Aug. 25, Philadelphia, Southamp.-N. York.
Aug. 25, Westernland, Philadel.-Liverpool.
Aug. 25, Etruria, New York-Liverpool .
Aug. 25, Umbria, Liverpool-New York.
Aug. 25, La Provence, Havre-New York.
Aug. 25, Southwark, Montreal-Liverpool.
Aug. 25, Pennsylvania, New York-Ham'b.
Aug. 25, Noordam, Rotterdam-New York.
Aug. 25, Friederich der Grosse, B'rm-N.Y.
Aug. 25, Vaderland, New York-Antwerp.
Aug. 25, Zeeland, Antwerp-New York.
Aug. 25, Gerty, New York-Trieste.

150,000 FIELD-GROWN CARNATIONS.

VERY FINE. PERFECTLY HEALTHY.

Lady Bountiful,	Flamingo,	Buttercup,
	Price $7.00 per 100.	
Enchantress,	Lawson,	Queen,
Cardinal,	Roosevelt,	M. A. Patten,
	Price $6.00 per 100.	
Queen Louise,	E. A. Nelson,	Eldorado,
Flora Hill,	Portia,	Crocker,
J. H. Manley,	Prosperity,	Dorothy,
	Price $5.00 per 100.	

J. L. DILLON, Bloomsburg, Pa.

70,000 Carnations,

Bushy, low-topped plants, grown on high ground, perfectly clean and healthy.

Lawson, Enchantress, largest size...per 100, $6.00
Boston Market, Norway, Hill, Lord..per 100, 5.00
Lawson, good, bushy plants.....per 100, $5.00
Gov. Wolcott, Estelle.....per 100, 6.00
Thousand rates, $45.00 and $55.00.

ROSES. CLEARANCE PRICES. ROSES.

Strong, clean, 3-inch stock. Don't miss this. It means money for you. Bride, Maid, Meteor, **Richmond,** Chatenay, $3.00 per 100. Bride, Maid, Richmond, 2½-in., $2.00 per 100.

SMILAX, extra large, 3-in., twice cut back, $4.00 per 100. 2½-in., $2.50. Early strings from this stock.

W. H. GULLETT & SONS, Lincoln, Ill.

SPECIAL CLEARING SALE

Of strictly first-class stock only

GERANIUMS Short and strong plants from 2½-inch pots $1.50 per 100: $14.00 per 1000. Varieties: Beaute Poitevine, Mrs. E. G. Hill, S. A. Nutt, Mme. Buchner (white).

SMILAX Fine young plants from 2-inch pots, ready to plant. 75c. per 100: $7.00 per 1000.

ASPARAGUS PLUMOSUS NANUS, from 2¼-inch pots, $2.00 per 100. Cash.

The W. T. BUCKLEY COMPANY, Springfield, Ill.

SPECIALTIES.

ROSES from 3-inch pots. **CHRYSANTHEMUMS.**
CARNATIONS, for fall delivery. **SMILAX. VIOLETS.**

IN BEST VARIETIES.

Prices low. Send for list.

WOOD BROTHERS, Fishkill, N. Y.

It is good business policy to mention
The....
AMERICAN FLORIST
When you write to an advertiser

CARNATIONS.

20,000 surplus, field-grown, fine, healthy. These were mostly planted out of 2½-in. pots, on a hillside in clay soil. After shaking soil from roots, we pack in moss for shipment.

	100	1000		100
B. Market	$4.50	$40.00	Richmond Gem	$6.00
Q. Louise	4.00	35.00	Estelle	6.00
Norway	4.00	30.00		

ASPARAGUS.

Heavy, 2½-inch, plants, ready for a shift.
Plumosus nanus.....$3.50 per 100: $30.00 per 1000
Sprengeri, extra fine.. 3.00 per 100: 25.00 per 1000
field-grown clumps, $6.00 per 100.
California Violets, 3½-in. pots.....$4.00 per 100
Christmas Peppers, 3½-in. pots..... 4.00 per 100

J. W. DUNFORD,

CLAYTON, MO,

Please mention the American Florist when writing.

Queen Beatrice Rose.

Four to one shot. Four times as many flowers as Maid.

F. H. KRAMER, 916 F St., WASHINGTON, D. C.

Please mention the American Florist when writing

The Seed Trade.

American Seed Trade Association.
H. W. Wood, Richmond, Va., Pres.; C. S. Burge, Toledo, O., First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas. Twenty-fifth annual convention at New York, 1907

PHILADELPHIA, PA.—W. Atlee Burpee has returned from his Pacific coast trip.

GREAT BRITAIN imported $4,000 worth of Bermuda lily bulbs in 1905, according to a recent consular report.

BLUE GRASS seed is reported to have advanced sharply something like 30 cents per bushel, $1.65 per bushel being now asked.

ILLUSTRATING the shortage of the Bermuda lily crop, a grower writes us August 8, "I do not believe 100 bulbs above seven inches in diameter could be found in Bermuda to-day.

CALIFORNIA reports of August 5 indicate that the hot week of July 15 has reduced the probable crop 15 per cent. The yield per acre will run from 150 to 250 pounds. Very little is likely to go over that.

CONSUL MAXWELL BLAKE writes from Funchal that during the first half of this year the heavy rains and unusual cold weather destroyed certain Madeira Island crops and seriously threatened the maturity of others.

THE potato crop in the Red River valley, Minnesota, is reported a fair one, as there is but little blight so far. The vines, August 7, were beginning to die indicating that the crop will ripen all right. No rot has appeared so far.

CARPENTERIA, CAL.—The lima bean crop is looking exceptionally well, but the wax beans and green pod varieties were considerably damaged by late rains in May as they were coming up and these will not be over a one-half or two-thirds crop.

BECAUSE there were some 300,000 pounds of 1904 onion seed carried over to help out on 1906 trade and since there is no surplus this year, buyers in 1907 are very likely to have to pay advanced prices. At present Yellow Globe seems especially short.

LOUISVILLE, KY.—The real estate bureau of Wood, Stubbs & Co., has been incorporated with a capital of $500, divided into 50 shares as follows: C. F. Wood 25 shares, W. P. Stubbs 15 shares, J. C. Wilson five shares and C. G. Strunk five shares.—F. L. S.

LAWRENCE, KAN.—The old firm of F. Barteldes & Co. has incorporated under the name of the Barteldes Seed Co. with a fully paid up capital of $300,000. F. W. Barteldes is president, Max Wilhelmi, vice-president and J. Uhrlaub, secretary and treasurer. The management of the Denver house will remain as before, C. R. Root, H. Warnecke and J. Wiesel. The manager of the Oklahoma City house will also remain as before, C. F. Eltzholtz.

Boston.

J. M. Gleason, of the Schlegel & Fottler Co., returned this week after his annual vacation at Mansfield, Mass.

Vacations being about over the different houses are now settling down for the fall business.

Preparations for the Seed Trade Bowling League are now under way and it will be comprised of last year's teams. B.

Reliable Mushroom Spawn
Originators and Growers of Superior Strains of Pure Culture Mushroom Spawn.
For particulars, free booklet, etc., address
E. L. HESS, 604 LaSalle Ave., CHICAGO,
SPECIAL AGENT
for Pure Culture Spawn Co., of Pacific Mo.

PACIFIC SEED GROWERS' CO.
109 MARKET STREET
SAN FRANCISCO, CAL.
Specialties:
Onion, Carrot, Lettuce, Sweet Peas

Stokes Standard Seeds.
Are Money Makers.
Stokes Seed Store.
219 Market Street, .·. PHILADELPHIA.
SEND FOR CATALOGUE.

THE BENGUET FORCING LILY
(Lilium Philippinensis.)
The **NAGTAGAN GARDENS CO.** book orders now for October shipment. **The only cultivated bulbs offered in the Philippines.** Properly ripened **wild** bulbs are never available for shipment before December—too late for Easter trade. Bulbs of ⅝ inches diameter will flower. We issue none that caliper less than ¾. Endures long transit perfectly.
PRICES: ¾ to 1 inch, **$45.00**; 1¼ to 1½ inches, **$55.00**; 1¾ inches and over, **$100.00** per 1000, f. o. b. Manila. **TERMS:** Cash on completion and delivery of bill of lading to any designated bank in Manila. Our references: The International Banking Corporation.
Make drafts payable to H. P. WHITMARSH, and address correspondence to
NAGTAGAN GARDENS CO., Manila, P. I.
N. B.—Mail samples, prepaid, of the three sizes will be supplied respectively at **$2.00, $3.00** and **$5.00** per dozen.

Please mention the American Florist when writing

E. H. WHEADON & SONS
BULB GROWERS
GUERNSEY.

Offer:	Per 1000
Narcissus Double Von Sion, (double noses) at	$4.80
Narcissus Golden Spur, (double noses) at	8.50
Narcissus Emperor, (double noses) at	6.65

Special culture of
Tulips, Gladioli, Freesias, etc.
We will mail you our Wholesale Catalogue on receipt of a post card.

5,400 ACRES OF GARDEN SEEDS IN CULTIVATION.
Braslan Seed Growers Co.
WHOLESALE SEED GROWERS.
SAN JOSE, CALIFORNIA

NEW CROP OF MY

Christmas Flowering

SWEET PEA SEED

Christmas Pink and Florence Denzer, pure white, now ready.

Those two well-known varieties are raised by over 2,000 florists all over the world.—Here is one, out of many letters received:

Dear Sir:—My Sweet Peas, which I raised from your seed, received the highest award at the Carnation Exhibit in Boston, being over 18 inches long.

JOHN T. GALE, Tewksbury, Mass.

Price ¼ lb., 75c.; per lb., $2.00

MAILED FREE.

New **Christmas Flowering Hybrids,** 20 to 30 colors, mostly blue, salmon, purple, lavender, in mixtures; also Mrs. Edie Wild, carmine, separate color, 1 Trade pkt., **$1.00;** 5 Trade Pkts., **$4.00,** not more than 5 pkts., taken in order to each customer just now. Those new Hybrids are just as free bloomers as Christmas Pink and Florence Denzer, some much larger and received first-class Certificate of Merit by the Mass. Horticultural Society, Boston, March 24.

All seed originated with me is sold in my original sealed pkts., with cultural direction, to the growers, but none for seedsmen for propagating.

Orders filled strictly in rotation.

Ant. C. Zvolanek,

BOUND BROOK, N. J.

Now Ready

CALLAS

Well Cured and Free from Rot.

	Per 100	1000
1¼-1½-in.	$5.00	$45.00
1½-2-in.	7.00	65.00

Larger Sizes Due Soon.

VAUGHAN'S SEED STORE,

CHICAGO, 84-86 Randolph St.

NEW YORK, 14 Barclay St.

PANSY SEED.

Brown's extra Select superb giant prize Pansies awarded silver medal St. Louis Exposition, 1904. My own grown, new, 1906 crop, ready.

PRICE MIXED SEED:

3,000 seeds	$ 1.00
¼ oz.	1.50
½ oz.	2.50
1 oz.	5.00
¼ lb.	14.00
½ lb.	25.00
1 lb.	50.00

Cash with order.

PETER BROWN,

LANCASTER, PA,

Please mention the American Florist when writing.

NOW READY.

NARCISSUS PAPER WHITE GRANDIFLORA and WHITE ROMAN HYACINTHS.

We offer the finest bulbs for immediate delivery, as follows:

Narcissus Paper White Grandiflora, finest quality bulbs, 13 cm. and up, 1,250 bulbs to the case, $11.25 per case; less quantities at $1.00 per 100.

Paper White Grandiflora Narcissus is always a money-maker. Plant at once for earliest crop, which is the most profitable.

White Roman Hyacinths, finest quality bulbs, 12 to 15 cm., about 1,800 bulbs to the case, $2.50 per 100; $23.00 per 1000.

Freesia Refracta Alba, finest Bermuda-grown bulbs, ½-inch up, $7.50 per 1000.

Bermuda Buttercup Oxalis, $1.00 per 100; $7.50 per 1000.

Lilium Harrisii, 6 to 7-inch bulbs, 335 to the case, $13.50 per case; less quantites, $5.00 per 100. Larger sized bulbs all sold out.

F. R. PIERSON CO.

Tarrytown-on-Hudson, New York.

WM. HAGEMANN & CO.,

Wholesale Importers of

BULBS

55 Dey St., NEW YORK.

Cable Address: BULBS.

Long Distance Telephone: Cortland 2687.

C. C. MORSE & CO.

SEED GROWERS.

171-173 Clay Street, : SAN FSANCISCO, CAL.

OUR SPECIALTIES: Onion, Lettuce, Sweet Peas; also Carrot, Celery Celeriac, Cucumber, Endive, Leek, Mustard, Parsley, Parsnip, Radish, Salsify, Spinach, Tomato and **Flower Seeds.**

Growers for the Trade on Contract.

Warehouses: at SANTA CLARA.

Farms and Farm Headquarters: CARNADERO, near GILROY.

Registered Cable Address: "Morseed," San Francisco.

PANSY SEED. The Best English Strain

Exhibited and grown by the trade throughout Europe. **The Finest Strain Ever Seen.** Mailed, **$2.00** per ounce.

The BEDFORDSHIRE SEED CO., Ltd., SANDY, ENGLAND.

Please mention the American Florist when writing.

General Circular to Melon Growers.

We find the following in the Submarine, a weekly paper published at Coachella, Riverside county, Cal., 76 feet below the sea level:

As the cantaloupe season approaches we wish to urge upon you the necessity of careful picking and packing of the melons. It is quite certain that the association will have stronger competition this year than ever before and it will be necessary for us to use great care in selecting the melons for shipment so that the high standard on which the Mermaid brand has been placed will not be lowered. The aphis have done a great deal of damage all over the valley and we will not, in all probability, have the large crop expected earlier in the season, but we will make a large number of shipments and the quality of our melons should be held up at all costs so that another year, when we have a large crop to harvest, we will still have our reputation for shipping first-class cantaloupes.

Care should be taken in the packing of the melons, after they are sorted, to make the pack neat and attractive, as an attractive crate sells better than an unattractive one. The melons should be firmly packed so they will not become loose in the crate and get bruised from handling.

Please do not let melons picked and packed in the forenoon stand all day on the ranch, but haul them to the packing house just as soon as possible, as a melon deteriorates very fast after it is picked. If possible, haul to the packing house before noon all crates packed in the forenoon and be sure to clear up each day's pack before quitting at night.

We think every member of the association realizes the necessity of keeping the quality of our melons on a high standard and we feel sure that, under the ruling conditions, high prices will be obtained for the melons this season.

Prevention of Commercial Corruption.

The house of commons lately passed through its final stages a bill, the necessity for which is generally acknowledged. The facts brought to light startled the public at the time, but many of them are only too familiar. The late Lord Chief Justice Russell, of Killowen, gave instances of goods being wilfully destroyed by corrupt employes in order that they might get a fresh commission on a fresh order. He showed that throughout British commercial and industrial life the practice of secret commissions was creating, and still is creating, gross dishonesty, and he demonstrated that without an amendment of the law the evil would grow worse, for the dishonest would drag down the honest. The present government, to its credit, declined to allow the opposition of a few members to stop so important a measure. Whether the bill will do all that is hoped from it remains to be seen, but at any rate, says the London Daily Graphic, stamps as a crime a form of corruption which is a disgrace to the character of our commercial life. We do not see how foreign dealers are to be prevented from offering illicit commissions and discounts, or how the consciences of the recipients are to be awakened.

Arguments for Free Seeds!

Congressman Trimble of Kentucky said April 30 in the senate: "Some of the greatest who are robbing the farmers in this land are among the wholesale seed dealers of this country.

"Suppose it is graft, it is the only graft in the government in which each of our 80,000,000 people have a chance to get a piece of the rake off, and that is the reason some of you are kicking."

BURPEE'S EARLIEST WHITE.—In contrast with "Mont Blanc" to the left.

New Sweet Pea.

BURPEE'S EARLIEST WHITE.

Comes into full bloom in forty-five days after the seed is planted in the open ground. The dwarf plants, sixteen to twenty inches high, are clad in rich dark green foliage and carry a profusion of the pure white flowers, borne upon strong stems six to eight inches long. Each stem has two or three of the fully expanded well-formed flowers, of good size and placed close together.

From seed planted on May 18 last **Burpee's Earliest White** was in full bloom July 1, while Mont Blanc, planted the same day, was showing only a few buds. It is also wondrously profuse blooming.

Burpee's Earliest White is not only as extremely early but also just as hardy as the famous pink-and-white Burpee's Earliest of All. It has black seed,—and is really the only clear white Sweet Pea that has! This insures a better stand, stronger and more thrifty plants.

Burpee's Earliest White will be welcomed by amateurs everywhere, both on account of its hardiness and because pure white Sweet Peas can now be had so quickly from seed sown in the open ground.

Burpee's Earliest White will be welcomed by florists for forcing, because there is no other variety so quick-growing or sure-cropping, excepting only The Reselected Burpee's Earliest of All,—described below. Like the latter, the plants under glass begin to bloom freely when only twelve inches high and continue to grow and flower profusely until, when six or eight feet tall, they reach the top of the greenhouse: the plants can then be cut back, if desired, and will make an equally vigorous second growth. ☞ All florists know, of course, that the regular varieties of Tall Sweet Peas are of no value whatever for forcing,—if early flowers are desired. ☜

Burpee's Earliest White is sold only in our original sealed packets,—and only direct to planters,—none to other seedsmen. The seed is all hand-picked and every seed should grow. **Per pkt.** (of 40 seeds) **25c,** less one-third: **5 pkts. for 75c** net. Half-size Packets: **Per pkt.** (20 seeds) **15c; 2 pkts. for 25c; 10 pkts. for 75c** net.

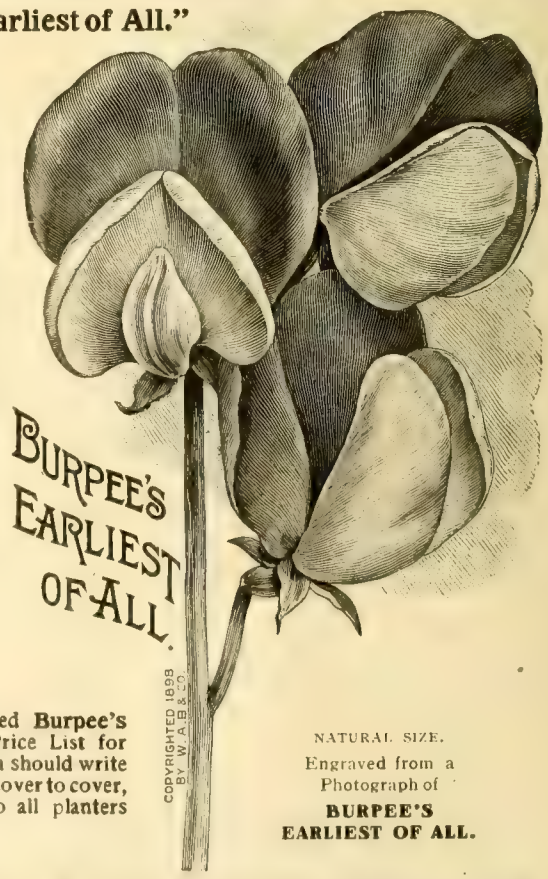
Sweet Pea—"Burpee's Earliest of All."

"Re-selected,—Extreme-Early."

Mr. Gould, the originator of **Burpee's Earliest of All,** has continued to develop the earliness and dwarf habit, until in this **Re-selected "Extreme-Early"** we have a strain as much earlier than Earliest of All as that variety is ahead of Extra Early Blanche Ferry, which again is earlier than the original Blanche Ferry. The plants of this new strain come into full flower when only 12 inches high and three to four weeks in advance of the first parent variety.

In our Trial Grounds, when the standard varieties of Sweet Peas all came into flower quite early (from spring-sown seed), this **"Extreme Early"** was in bloom on June 3 the regular strain of Earliest of All on June 9, and Extra Early Blanche Ferry on June 17. Under less favorable conditions the difference in the flowering period is even more marked. **For winter flowering in the greenhouse it is the VERY BEST of the popular pink-and-white type of flowers. Mr. Thos. Gould** has grown this strain exclusively for us, and the originator's seed of this **Re-selected** can be had only under our registered trade-mark seal. The selection is made each season and hence this strain is being constantly improved.

Per oz., 10c; 1-4 lb., 30c; per lb., $1.00.



NATURAL SIZE.
Engraved from a Photograph of
BURPEE'S EARLIEST OF ALL.

☞ If you have not received **Burpee's Blue List for 1906** (Wholesale Price List for Market Gardeners and Florists) you should write for a copy This catalogue, from cover to cover, is full of information of interest to all planters of seed.

W. ATLEE BURPEE & CO., Philadelphia, Pa.

MUSHROOM SPAWN.

The World's Depot.

JOHN F. BARTER, LTD.,

Mushroom Growers and Spawn Manufacturers,

Grounds:
Alperton, Wembley.

Napier Road, WEMBLEY, England.

Telegraphic Address:—"BARTER, Wembley, Eng."

Largest Makers and Exporters of English Mushroom Spawn.

57,922 lbs. of Mushrooms Grown in One Season from 665 Bushels of Our Spawn

MESSRS. BARTER beg to announce that after a long series of experiments they have been successful in producing the very finest Spawn by the Pure Culture methods, and will be able to supply all their customers in future from that source. **A GOOD STOCK ALWAYS READY.** Smallest quantity exported, 100 bushels.

WRITE FOR PRICE.

Mushroom Spawn.

The Oldest Established Firm of Spawn Manufacturers in the United Kingdom.

GROWN ON THE PURE CULTURE SYSTEM.

Very Large Stock of Finest Quality Now Ready for Export.

FOR TERMS APPLY TO

JOHN HAMLIN & CO.

Westberry Avenue, WOOD GREEN, England.

Van Meerbeek & Co., HILLEGOM, HOLLAND.

DUTCH BULBS

Wholesale Only.

—HEADQUARTERS FOR —
High-grade Bulbs, Miscellaneous Roots and Herbaceous Plants.

Clearance offer of **TULIPS, DAFFS., IRIS, GLADIOLI, LILIUM, MONTBRETIAS, ETC.** Prices on application.

NOW READY

Zirngiebel's Prize Pansy Seeds, in trade packages, **$1.00** each. Giant Market, 2000 seeds. Giant Fancy, 600 seeds. Full directions with each package.

AUGUSTUS ZIRNGIEBEL, NEEDHAM. MASS.

WHEN BUYING MUSHROOM SPAWN Buy the Best You Can Get.

We Grow Mushrooms. We are headquarters for **"PURE CULTURE" SPAWN** and importers of **ENGLISH MUSHROOM SPAWN.**

Write us and we will send you free of charge valuable information on the subject.

Fresh Supply of Spawn Every Month.

KNUD GUNDESTRUP & CO., MUSHROOM SPECIALISTS,
4273 Milwaukee Ave., CHICAGO.

VICTORY

GUTTMAN & WEBER,
43 West 28th Street,
NEW YORK.

STRONG, FIELD-GROWN PLANTS NOW READY.

1st size, $15.00 per 100. 2nd size, $12.00 per 100. 3rd size, $10.00 per 100.

DISCOUNT FOR CASH WITH ORDER.

Palms, Ferns, Etc.

WHOLESALE PRICE LIST.

Bouvardia, field-grown, pink and white, ready to plant into bench for winter blooming, $8.00 per 100.
Hydrangea Otaksa, field grown, $1.50 and $2 00 per doz.

	In.	Tiers.	Ea.	Doz.	100
Araucaria Excelsa	4	2 to 3	$0.35	$4.00	
" "	5	3	.75	9.00	
" "	6	3 to 4	1.00	12.00	
Asparagus Plumosus	2				$3.00
" "	3				6.00
Asparagus Sprengeri	2				3.00
" "	3				6.00
" "	4			1.50	
" "	5			2.00	

Asparagus Scandens Deflexus, a beautiful green for wedding and funeral work, 3-in. pots at $1.50 per doz.; 4-in. pots at $2 00 per doz.
Bay Trees, small standards, 12-inch heads, $5.00 per pair.
Bay Trees, pyramids, 5 feet high, $15.00 per pair.
Adiantum Capillus, 5-in., $2.00 per doz.
Boston Ferns, 4-in. pots, $1.50 per doz.; 5-in. pots, $3.00 per doz.; 6-in. pots, $4.20 per doz.; 6-in. pots, strong, $6.00 per doz.; 7-in. pots, $9.00 per doz. Larger specimens, $1.50, $2.00 and $3.00 each.
Scottii Ferns, 10-in. pots, $2.00 each.
Assorted Ferns for dishes, $3.00 per 100; $25.00 per 1000. We have a large lot to offer in best varieties.
Fern Balls, 7 to 9. Dormant or in leaf. $4.20 per doz.
Crytomium Falcatum, fine plants, 35c and 50c each
Dracaena Fragrans, 5-inch pots, 50c each; $5.00 per doz. 6-in. pots, 75c each; $9.00 per doz.
Dracaena Indivisa. We have a very large stock of fine plants, just the kind you need for the centers of vases. 2-inch pots, $2.50 per 100; 6-inch pots, 20 to 26 inches high, 50c each; $5.00 per doz.; 7-inch pots, 30 to 34 inches high, 75c each; $9.00 per doz.
Dracaena Massangeana, 8-inch pots, $2.00 each.
" " beautiful specimens, 9-inch pots, $3.00 each.
Dracaena Terminalis, 4-inch pots, 25c each; $3.00 per doz.; 5-inch pots, 35c each; $4.20 per doz.
Honeysuckle Vines, 4-inch pots, $8.00 per 100.
Maranta Lietzii, 2¼-in., $1.00 per doz.
Pandanus Veitchii, 7-in., $2.00 ea.; $24 00 per doz.
" **Utiles,** 3-in. ..... per doz., $1.50
" " 4-in. ..... per doz., 3.00
" " 5-in. ..... per doz., 5.00
Areca Lutescens, 5-in., 50c each; $5.00 per doz.
Cocos, for dishes, 2½-inch, $1.50 to $1.75 per doz.
Cocos Bonetti, large specimens, $40.00 each.

	In.	Each	Doz.
Kentia Belmoreana	3		$ 2.00
" "	4		3.60
" "	5	$0.60	7.20
" "	6 xx	1.25	15.00
" "	7	2.50	30.00
Kentia Forsteriana	5	.60	7.20
" "	6	1.25	15.00
" "	7	2 00	24.00

Phoenix Canariensis, 2-in. ..... per doz., 1.00
" " 5-in. ..... per doz., 5.00
fine bushy plants, just the thing for vases, lawn decoration, etc., 10-in. pots, $3.00 each. Large specimens, $25.00 to $30.00 each.
Phoenix Reclinata, 3½-in. ..... per doz., $2.00
" " 4-in. ..... per doz., 3.00
" " 6-in., 50c each; per doz., 6.00
" " 7-in., 75c each.
Sansevieria Jav. Var., 4-inch at $2.00 per doz.
Selaginella Denticulata, 3-in., per doz., $1.00.

The Geo. Wittbold Co.

1657 BUCKINGHAM PLACE, CHICAGO.

Please mention the American Florist when writing.

Convention Report Next Week.

SEND ADTT. NOW.

BARGAINS IN CHOICE PLANTS

English Ivy, from 4½-in. pots, $2.00 and $2.50 per doz. About 3 feet high and bushy.
Anthericum, variegated, per doz., $1.50; per 100, $12.00.
Kentia Belmoreana and **Forsteriana,** $3.00, $4.00, $5.00, $6.00, $9.00 per doz.; also by the 100. Also $1 00, $1.50, $2.00, $2.50, $3.00 each and by the 2 doz.
Phoenix Canariensis, large plants, 6½ to 7 feet high, 11-in. pots, $12.00 to $14.00 per pair.
Bird's Nest Fern, large plants, 6½-in. pots, $1.50 each; $18.50 per doz.
Araucaria Excelsa, 50c, 75c, $1.00, $1.50 $2.00-$2.50 each. Also by the 100.
Cut Flowers of **Lily of the Valley,** $4 00 and $5.00 per 100.
Boxwood Pyramids, in pots, $2.00 and $2.50 per pair; fine plants. Other sizes sold out.
Bay Trees, Pyramids,
55-60 in. high from top of tub, $14.00 per pair
65-70 in. high from top of tub, 15.00 per pair
Leaf-Mold, $1.00 per bag.
Asparagus Plumosus, 3½-in. pots, $1.25 per doz.; per 100, $9.00; 4-in. pots, $2.00 per doz.; 4½-in. pots, $3.00 per doz.
Kentia Forsteriana, combinations, from $3.00, $4.00, $5.00, $6.00, $10.00, $15.00 to $20.00 each.
Piersoni Fern, 5½-in. pots, $9.00 per doz.
N. Elegantissima, from 4½-in. pots, $4.00 per doz.; $30.00 per 100.
Cattleya Trianae, 40 plants, 400 good bulbs, $50.00 per original case.
Orchid Peat, $1.00 per bag.
Rubbers, from 7-in. pots, 3 ft. high, $9.00 per doz.
Pandanus Veitchii, 5-in. pots, $5.00 per doz; 6-in. pots, $9.00 per doz.; 6½-in., $12.00 per doz; 7-in., $18.00 per doz.
Dracaena Terminalis, 4-in. pots, $3.00 per doz.; 5-in. pots, $5.00 per doz.; 6-in., $9.00 per doz.
Gardenia Veitchii, fine large plants, 5½-in. pots, well budded, $9.00 per doz.
Cycas Revoluta, we have them in 5½, 6, 7 and 8-in. pots, very fine, 50c, 75c, $1.00, $1.50, $2.00 and $3.00 each.
Cibotium Schiedei, 6, 6½ and 7 in. pots, $1.50 $2.00 and $2.50 each.
Dracaena Fragrans, from 5-in. pots, $4.00 per doz.; 6-in. pots, from $6 to $9.00 per doz.; 7-in. pots, $18.00 per doz; 8-in. pots, $24.00 per doz.
Livistona Sinensis, superior to Latania borbonica, larger fan, compact and dark green foliage, 5-in. pot, $4.00 per doz.; 6-in. pots, $6.00 per doz.; 7-in. pots, $12.00 per doz.
Areca Lutescens, 5½-in. pots, 3 in a pot, 30 ins. high, doz., $9.00.
Boston Ferns, 5-in. pots, $3.00 per doz.; 6-in. pots, $6.00 per doz.; 7-in. pots, $12.00 per doz. Specimens, 9-in. pots, $3.00 each.
Scottii Fern, 5-in. pots, $3.00 per doz.; 5½-in. pots, $5.00 per doz.; 6½-in. pots, $8.00 doz.
Large Scottii, 10-in. pans, $2.50 each.
Fern Balls, $9.00 per doz.
Crotons, in variety, 4-in. pots, $3.00 per doz.
Aspidistra green, 5½-in. pots, 8 leaves and over, $9.00 per doz.; 6½-in. pots, 15 to 25 leaves, $1.50 and $2.00 each.
Johnsonii Fern, 6-in. pots, $9.00 per doz. (Sword fern.)
Lygodium Scandens, climbing fern, 30 ins. high, per doz., $3.00.
English Ivy, fan-shaped, 2 feet wide, 3 to 4 feet high 6½-in. pots $6.00 per doz.; selected, $9.00 per doz.
Primula Obconica, finest pink strain, bushy plants from 4-in. pots, ready to go in 5-in. pots, $1.50 per doz.; $10.00 per 100.
Daisy Plants, for Christmas blooming, from 6-in. pots, $6.00 per doz.
Begonia Rex, 4-in. pots, $1.50 per doz.; selected, $2.00 per doz.

Cash with order or satisfactory New York references required.

ANTON SCHULTHEIS,

19th St. and 4th Ave., COLLEGE POINT, L. I., N. Y.

A FEW GOOD THINGS

IN PLANTS.

Boston Ferns, from bench	$15.00 and $20.00 per 100
Scottii Ferns, from bench	15.00 and 20.00 per 100
Dracaena Terminalis, from bench, fine	$20.00, 25.00 and 35.00 per 100
Cyclamen, best strain, mixed, 5-inch	25.00 per 100
Poinsettias, 2½ and 3-inch, fine	5.00 and 6.00 per 100
Asparagus P. N., 2½-inch	2.50 per 100
Asparagus Sprengeri, 2½-inch	2.50 per 100
Begonia G. de Lorraine, 3-inch	25 00 per 100
Hydrangea Otaksa, grand lot, 4-inch	15.00 per 100
American Beauty Plants, 4-inch	5.00 per 100

All plants A No. 1. If not satisfactory, your money back.

CARL HAGENBURGER. West Mentor, Ohio.

Please mention the American Florist when writing

Vaughan's Seeds TRADE MARK NEW YORK-CHICAGO

Vaughan's Giant-Flowered Cyclamen

NOW IS THE TIME TO SOW THIS SEED.

10 PER CENT SPECIAL CASH DISCOUNT.
On orders over $2.00 for Flower Seeds if the cash is enclosed.

Giant Orchid Flowered, Pure White.

OUR REGULAR GERMAN STRAIN.

New Seed Now on Hand.

Pure White (Mont Blanc).....
Dark Crimson.....
Rosa von Marienthal (Daybreak Pink).....
Dark Rose.....
White with Carmine Eye.....
White Fringed, large, very attractive.....
Rubin, rich blood-red.....

Per 1000 seeds, $5.00. Per 100 seeds, 65c. 250 seeds of a color at the 1000 rates.

Salmon, a splendid new color, 100 seeds.....$1.50

Giant-Flowered Cyclamen, extra choice mixed. Per 100 seeds, 50c; 250 seeds for $1.15; 1000 seeds, $4.50; 5000 seeds, $20.00. This mixture is made up from the above separate colors.

NEW GIANT ORCHID-FLOWERED CYCLAMEN.

These are exceptionally fine, with very large flowers that are frilled and fringed in wonderful fashion. They are splendid sellers in the Chicago market and our seed is direct from the originator.

Pure White, Red, Pink.....
White with Carmine Eye and Lilac Colored.....
Each, per 100 seeds. $1.00; 1000 seeds, $9.00

Giant Orchid-Flowered Cyclamen, in choicest mixture, 25 seeds, 25c; 100 seeds, 85c; 1000 seeds, $8.00.

Rokoko Cyclamen This is an entirely new strain of Cyclamen with flat, round flowers, with wavy and fringed petals; very attractive; white with carmine eye, red, rose or mixed, 100 seeds, $2.50; 50 seeds, $1.35.

NEW ENGLISH GROWN CYCLAMEN.

THE FINEST STRAIN IN EXISTENCE. New crop seed due to arrive in August or early September.

Rosy Morn. Giganteum variety, delicate rose color. Claret base.
Picturatum. Giganteum variety. Light rose tinted with claret base.
Grandiflorum Album. The largest giant white grown.
Excelsior. Giganteum variety. White with red base. Extra large flowers.
Princess May. Pale pink.
Princess of Wales. Giganteum variety. Pink.
Mauve Queen. Giganteum variety. Mauve.
Duke of Connaught. Giganteum variety. Purplish crimson.
Duke of Fife. Giganteum variety. Dark rose.
Salmon Queen.

PRICES: Trade, 100 seeds, $1.00; 1000 seeds, $9.00 net.

Cyclamen Fimbriatum. Fimbriated flowers and foliage, 100 seeds, $2.50.

Vaughan's Pansies ARE BEST BY TEST...

VAUGHAN'S INTERNATIONAL PANSIES—The Worlds' Best. This is a combination of as many separate colors types, blendings and unique kinds as can be found in the world. **It is the best general mixture in existence** and is most widely known and popular. Price per oz., $10.00; ½ oz., $5.00; ⅛ oz., $1.50; trade pkt. 50c.

VAUGHAN'S CUT FLOWER MIXTURE OF PANSY SEED. Especially made from light colored Giant varieties for florists who raise for cut flowers in the house. Trade pkt., 25c; ⅛ oz., 80c; ¼ oz., $1.50; Oz., $5.50.

VAUGHAN'S "ELITE" MIXTURE. This is not a complete mixture like our International; it does not contain any pure white, yellow or any self colors, nor any other of the well known kinds. It is comprised of the cream of four Pansy specialists' choicest and most expensive mixtures and such new and novel kinds as listed above. Trade pkt., 50c; ⅛ oz., $1.00

MASTERPIECE—NEW GIANT CURLED. This strain comes nearer to "Double pansies" than anything ever introduced under that name. In reality the number of petals is the same as that in other Pansy flowers, but they are crimped and curled in such a fashion that the flowers appear double. The flowers are of enormous size, often 3 inches across and the color variations and combinations are odd and striking. Trade pkt., 50c; ⅛ oz., 75c; ¼ oz., $1.35; oz., $5.00

VAUGHAN'S "GIANT PANSY MIXTURE." This mixture includes the richest reds, coppers and bronzes, together with the most delicate rose and pink shadings, all the distinct colors of Trimardeau, the splendid Cassier strain with its delicate veinings. We have spared no expense to secure the newest, richest and finest sorts. Price, ¼ lb., $14.00; oz., $4.00; ⅛ oz., 60c; trade pkt., 25c.

VAUGHAN'S PREMIUM PANSIES MIXED. Embraces all the varieties of the Fancy German Sorts. Per pkt., 25c; ⅛ oz., 80c; ½ oz., $3.00; oz., $5.50

CHICAGO PARKS BEDDING PANSIES. "Choice mixed," pkt., 10c; ¼ oz., 25c; oz., 75c; 4 oz., $2.50

NEW ORCHID-FLOWERED PANSIES. A most interesting type of Pansies of the Giant Flowered Class, containing a mixture of the most surprising, novel, unique and beautiful color combinations. The colors range in the terra cotta shadings as well as in the flesh orange, rose, pink and lilac. Trade pkt., 25c; ⅛ oz., 70c.

IMPROVED GERMAN MIXTURE. This is a mixture of three strains from different German growers and is made up mostly of separate colors, with a sufficiently large percentage of white and yellow. Per large pkt., 10c; ⅛ oz., 20c; ¼ oz., 30c; oz., $1.00

VAUGHAN'S SEED STORE,

84 and 86 Randolph Street, CHICAGO. **14 Barclay Street, NEW YORK.**

The Nursery Trade

American Association of Nurserymen.
Orlando Harrison, Berlin, Md., President; J. W Hill, Des Moines, Ia., Vice-President; George C. Seager, Rochester N. Y., Sec'y.
Thirty-second annual convention, Detroit, Mich., June, 1907.

CHATENAY, FRANCE.—Arthur Brochet has acquired the well known nursery of L. Paillet Fils.

MORRILL, TEX.—The Morrill Orchard Co. is building six miles of railroad to connect their Ferris place with the main line at Morrill.

HUNTSVILLE, ALA.—One of the largest single orders ever received by a nursery company has been booked by H. B. Chase, of this city. The order comes from western Colorado, and is for 75,000 Elberta peach trees. The order will be filled jointly by the Chase concern and the Alabama Nursery Co.

NORTH ABINGTON, MASS.—The Bay State Nursery Co. is making many improvements to its plant on Adams street and now is arranging for the erection of a large cold storage cellar 45x127 feet. The business of this concern is growing rapidly and goods are being shipped to all parts of the United States.

BRYN MAWR, PA.—Leaping from a swiftly moving passenger train and escaping unhurt, Wm. H. Schallioll, a well-to-do nurseryman, fled to the woods nearby and after threatening several persons and causing terror in this town finally gave desperate battle with four big policemen before he was captured. For several days he had been mentally unsound.

BOSTON, MASS.—The Munson Whitaker Co. was incorporated July 25, capital $25,000, to do a landscape gardening business at 48 Winter street; $17,600 of the capital was paid in by $2,600 cash and $15,000 good will. Chester L. Whitaker, of 8 Fair View terrace, is president, and takes 63 shares at $100 each. James E. Whitaker is treasurer and clerk, and takes 50 shares, and Willard A. Munson is a director, and takes 63 shares.

A New Scheme.

At a meeting held in the court house Petersburg, W. Va., July 21, to consider the question of establishing a nursery plant in or near that town, all present were in favor of at once organizing a joint stock company by electing a president, secretary and treasurer, and of appointing a board of directors from among the shareholders at a meeting of the subscribers to be held in the future for the purpose of completing the organization. This enterprise will be of more importance to the people of Grant and adjoining counties than we might at first imagine, as it will keep thousands of dollars at home that is being taken out of the community by foreign nurseries for fruit trees, beside saving to the planter of from 25 to 40 per cent agent's commission securing the orders, with an additional cost of transportation and deliveryman's bills.

American Everblooming Hydrangea.

Botanically Hydrangea arborescens sterilis; H. arborescens grandiflora alba, of some. This strikingly beautiful hardy flowering shrub was found in the rocky woods of Pennsylvania some years ago

Hydrangea arborescens sterilis.

and transferred to a Pittsburg garden. About 15 years ago Mrs. Mary Kelley, moving with her family from Pittsburg to central Ohio, brought a slip of this hydrangea to her new home. From this small beginning dozens of fine plants have been obtained that now beautify neighboring grounds.

Hibiscus Syriacus Meehani.

On the same lawns are found abundantly fine specimens of H. paniculata grandiflora, the well known "hardy hydrangea," thus affording opportunity to compare this new candidate with the old favorite, and the comparison shows many points in favor of the new form. It is a more handsome, symmetrical plant, and of neater form and habit, attaining four to six feet in height, with about the same breadth. The plants begin to bloom about the first week in June and continue to furnish fresh flowers until well along in August.

The large size of its pure white, rather flat panicles, as shown in the illustration, render it most desirable to the florist for cut flowers at a time when white flowers are scarcest in our gardens and in most demand. The flowers possess remarkable keeping qualities. This hydrangea was named "Everblooming" by amateurs having it in cultivation many years ago, on account of its habit of blooming for such a long period, and the name seems specially appropriate

We have found young plants, grown from cuttings in winter and potted into 2½-inch pots, to bloom freely in June, and believe any plant large enough to live, planted out in May, will almost certainly bloom the same season. Our illustration is from a photo of a plant 10 years old and about 3½ feet high. The photo was taken June 18, 1906.

E. Y. T.

The New Hibiscus Syriacus Meehani.

This most remarkable althæa is unquestionably the best of the variegated leaved class. The habit is robust, compact and somewhat dwarf. Leaves beautifully variegated with creamy white, with irregular margins and irregular green centers. The light colored parts never sunscald or revert to the original green. Flowers single, 3½ to four inches in diameter, of a satiny-lavender sheen, and purple blotched at the base of each of the five petals; produced in the greatest profusion from June 1 until autumn.

It is a remarkably striking plant. Nothing finer can be found in its blooming period, or even previous to the time the flowers make their appearance, as it is most excellent for massing or as single specimens. It has proven hardy as far north as the other varieties of althæa thrive. Plants now 25 years old in our grounds have reached a height of eight feet and have always been free from insects or diseases. As compared with the old variegated leaved variety, known as Althæa Buisti (Hibiscus Syriacus Buisti) or H. variegata, whose double, dark wine colored flowers never open and remain unsightly, Meehani is immensely superior.

This variety was received by the P. J. Berckmans Co., Augusta, Ga., about 25 years ago with an invoice of other deciduous shrubs and merely labeled H. variegata. But it proved to be entirely distinct from what was known under that name, and its merits soon became so transcendant that after submitting leaves and flowers for identification to the late Thomas Meehan, who was unable to trace its origin, it was dedicated to him.

Late Flowering Hardy Roses.

ED. AMERICAN FLORIST:—

Please publish a list of hardy roses that will flower from July 1 to October 1 after the hybrids are through.

SUBSCRIBER.

Your correspondent does not state for what purpose the roses are wanted, but I take it for granted that flowers

are wanted for design work, etc. The following varieties of roses are hardy in western New York and flower continuously from spring until fall: Kaiserin Augusta Victoria, Souvenir de President Carnot, Caroline Marniesse, Coquette des Alpes, Coquette des Blanches, Clotilde, Soupert, Gruss an Teplitz, La France and Princess Bonnie.

To this list might be added the two grand bedding roses, pink and white Maman Cochet. With us these two roses are half hardy, but with protection can be carried through our severe winters safely. A good plan is to bend the plants over and peg them down, covering the plant with three or four inches of soil and again cover with a little coarse manure. F. W. V.

Des Moines, Iowa.

MARKET QUIET.

With the exception of a few funerals business has been very quiet the past week. The market is showing some very fine asters, gladioli and pond lilies which the retailers are disposing of instead of roses and carnations.

NOTES.

This vicinity was visited by a hail storm July 27, doing considerable damage to the crops. The Iowa Seed Co. reports the loss of about 900 square feet of glass.

Wm. Trillow, of the Iowa Seed Co., is passing the cigars around, the occasion being a new boy which arrived a short time ago.

The Alpha Floral Co. had a miniature lake in its window filled with pond lilies and gold fish which was quite an attraction.

C. Cropp of Vaughan's Seed Store, Chicago, was in the city Wednesday, looking after that firm's business interests here.

Miss Emma Miller of the Alpha Floral Co. is taking a well deserved vacation.

Peter Diederich has been laid up the past week, with an abscess in the throat.

A. G. Lozier had several funeral orders lately. M.

TOPEKA, KANS.—B. E. Rodman will erect an addition to his greenhouses at 1130 and 1134 Madison street to cost $400.

NOTICE.

Address communications for the **CALIFORNIA ROSE COMPANY** to **POMONA, CAL.** This is 30 miles from Los Angeles We have three railroads, Western Union and Postal telegraph, and telephone to nursery.

Extremely Fine Stock to Offer this Year

Pay you to have your name on our mailing list.

CALIFORNIA ROSE CO.,
POMONA, CAL.,
Woolesale Growers Field Roses on own Roots.

D. and C. Roses Are the cheapest because they are the best. We have in stock over 1 000 varieties on own roots including all the New European and American varieties of merit, as well as all the old varieties. All sizes from 2½-inch pots up. We can also offer 40 of the leading and newest varieties of Cannas including Mont Blanc, also miscellaneous lists of Plants and Shrubbery, at prices that will make it worth your while to send us your lists for quotations before buying elsewhere. Send for a copy of Our New Guide to Rose Culture, for 1906, a handsome book of 116 pages. Free for the asking.

The DINGEE & CONARD CO., West Grove, Pa.
Established 1850. 70 Greenhouses.

TREES AND SHRUBS.

We make especially low prices on **Nursery Stock** to Parks, Cemeteries, etc. Wholesale price-list on application We carry immense quantities of the finest named varieties of **PEONIES.**

PETERSON NURSERY 6u3 W. Peterson Av. **CHICAGO, ILL**

Just to hand, fine importation of

Bay Trees, Box Trees
Standards and Pyramids.
Euonymus, Evergreens.
New price list on application.

JULIUS ROEHRS CO. Importers, **Rutherford, N. J.**

Fruit and Ornamental Trees

Our fall catalogue and price list now ready. Write for it. NO AGENTS. Prices are right.

PEONIES. Evergreens and Ornamental Trees of all sizes for planting in parks, avenues and private places. Four carloads shipped to World's Fair.

WILD BROS NURSERY CO., Sarcoxie, Mo

Please mention the American Florist when writing

The Storrs & Harrison Co.

PAINESVILLE NURSERIES.
CATALOGUES AND PRICE LISTS FREE ON APPLICATION. . . . . .
PAINESVILLE, OHIO.

Send to **THE MOON Company**
For Your { **Trees, Shrubs, Vines and Small Fruits.**
Descriptive Illustrated Catalogue Free
THE WM. H. MOON CO., Morrisville, Pa.

PEONIES=For Sale.

Between 3,000 and 4,000 Peonies, fine varieties, large plants. Write for prices on the whole lot.

EVA S. WILLIAMS 99 Water St., **BATAVIA, ILL.**

Metairie Ridge Nursery Co.

H. PAPWORTH, President.
NEW ORLEANS, LA.
SPECIAL OFFER OF
LATANIA BORBONICA and RUBBER PLANTS.
Grand young stock from 4-inch pots. Write for prices on large lots.

LARGE TREES.

OAKS and MAPLES.
PINES and HEMLOCKS.
ANDORRA NURSERIES,
Wm. Warner Harper, Prop.
Chestnut Hill, PHILA, PA.

SURPLUS STOCK OF ROSES

1,000 3-inch Beauties, 1,500 3½ inch Chatenay, 400 3½-inch Uncle John. $5.00 per 100; $45.00 per 1000. Cash with order from unknown parties.

LAMBORN FLORAL CO.
Rosemont Greenhouses. ALLIANCE, OHIO.

ROSES, 2½-Inch STRONG PLANTS.

Crimson Rambler and other varieties. $2.00 per 100; $15.00 per 1000.

C. M. NIUFFER, SPRINGFIELD, OHIO.

CHEAPEST and BEST
BAY TREES
STANDARDS and PYRAMIDS
Special Trade List on application to
De Smet Bros.,
NURSERYMEN,
GHENT, : : : : : BELGIUM.

PAEONIAS For Fall Delivery.

We are booking orders **NOW** from a large and well-assorted stock, carefully selected from hundreds of varieties tested. All have bloomed with us, and we guarantee them true to name. Send for special list, with prices.

—We are headquarters also for—
ROSES, CLEMATIS, AMPELOPSIS and HYDRANGEAS.
Use printed stationery. We sell at wholesale only.

JACKSON & PERKINS CO., Newark, Wayne County, New York.

HELLO! BROTHER FLORISTS, ARE YOU GOING TO DAYTON?

We want to meet you there and show you some of our new **CANNAS.** Our bank account was not large enough so that we could afford to pay the price asked for space by the S. A. F. in the fair grounds, so we had ours planted in the city parks. We have been told that no one would see them, so we thought we would tell "you all" about them so you would be interested in seeing them.

There is only 1445 of them, in 188 different varieties, all but 17 of which are of our own originating. We don't need to tell you what we think of them, but we do want to know what you will think of them, for if "you all" say they will be winners, then we will "whoop 'em up" and give "you all" a chance to buy some of them.

Southern Floral Nursery Co., BUCKATUNNA, MISS. and FRUITDALE, ALA.

NEWS NOTES.

WILKESBARRE, PA.—Robt. Ellis is rebuilding his greenhouses.

SNOHOMISH, WASH.—Fred Gall is making a substantial addition to his greenhouse.

LENOX, MASS.—Mrs. Geo. Westinghouse is having built one orchid house 16 x 90 feet.

ZANESVILLE, O.—The Town Improvement Association held its annual flower show August 8.

CHAMBERSBURG, PA.—Byer Bros. have just added three new carnation houses, each 25 x 100 feet.

FINDLAY, O.—S. J. McMichael has taken out a permit to erect a greenhouse that will cost $1,500.

TEMPLETON, MASS.—Geo. W. Sutherland is erecting a small new greenhouse to be used for raising violets.

ROCKLAND, MASS.—Sidney Littlefield is building a greenhouse, 33 x 200 feet, on his premises on Adams street.

MILWAUKEE, WIS.—C. B. Whitnall's summer plans have been disarranged owing to the illness of his son Gordon.

OCONOMOWOC, WIS.—Otto Sylvester has built new carnation houses and will grow this stock principally in the future.

LOUISVILLE, KY.—Chas. W. Reimers has sold his business and plant to M. D. Reimers, and the latter takes possession at once.

LAKE FOREST, ILL.—The meetings of the Horticultural Society of Lake Forest will be held the first Tuesday of each month hereafter.

WOBURN, MASS.—Lewis R. Jackson, of 57 Bow streeet, has commenced another greenhouse just south of the one he now operates.

MILWAUKEE, WIS.—F. P. Dilger is adding two houses, aggregating 5000 feet, with new office and other handsome improvements.

GRAND RAPIDS, MICH.—Eli Cross has completed arrangements for opening a retail flower store at 25 Monroe street September 1.

SAUGUS, MASS.—J. C. Holmes has recently added a large greenhouse to his establishment on Main street and has planted it to chrysanthemums.

OAKLAND, CAL.—J. W. Young has sold out his floral business in this city and will probably engage in another line, as he already has some mining interests.

LIVONIA, N. Y.—The eighth annual exhibition of the Floral Society was held at the Prettejohn opera house August 2 and 3 on a larger scale than ever before attempted.

FITCHBURG, MASS.—Mrs. C. E. Mansfield recently became very popular with the lady clerks of the Chamberlain-Huntress store, having presented each with some very fine sweet peas.

DANVERS, MASS.—Walter P. Barker has sold eight and one-half acres of land to Beverly people, who expect to erect several large greenhouses in the near future.

WORCESTER, MASS.—Norcross & Stratton have rented their greenhouses on South street to Thomas Heskey, of Hopedale, formerly head gardener for the Draper estate.

PONTIAC, MICH.—A. B. Lewis has moved his store from 28 South to 81 North Saginaw street. He will hold a chrysanthemum opening in his new place in the fall.

LOS ANGELES, CAL.—F. B. Raymond has purchased a half interest in Miss Ethelind Lord's business, the new title of the firm being the Ethelind Lord Floral Co.

BUFFALO, N. Y.—The Central Park Floral Co. has been incorporated with a capital stock of $2,000 by Julius A. Goehle, Henry Hart and Clara C. Hamocher.

WARREN, O.—A. T. Hoyt has been compelled to lease his place and locate at Chautauqua, N. Y., on account of hay fever. Thos. H. Phelan, a former employe, is the lessee.

PORTLAND, ORE.—The school girls of this county gave a sweet pea exhibition in the city hall July 27 and 28. The judges were F. V. Holman, A. J. Clarke and Mrs. F. R. Holmes.

MELROSE, MASS.—The Melrose Horticultural and Improvement Society has arranged for its fall flower show to be held in city hall on the afternoon and evening of September 3.

CARROLLTON, MO.—H. L. Kennedy, of Kennedy & Farnham, rode to Chicago on a bicycle recently. Mr. Kennedy made the trip in eight days, riding an average of 60 miles a day.

CLINTON, MASS.—Chas. A. Needham has completed plans for the cellar which will be built near the greenhouses. The building will be used for raising and storing special kinds of plants.

COLORADO SPRINGS, COL.—Gov. McDonald will be requested to open the annual flower show to be held in North park Aug. 22 to 24, inclusive, by the El Paso County Horticultural Society.

NEWTON, MASS.—Prof. F. W. Rane, of New Hampshire, with an associate has purchased a considerable amount of land on Moffat road with the intention of building several large greenhouses.

SMITH'S GROVE, KY.—Mrs. Geo. B. Moulder is conducting the business in aquatic plants formerly carried on by her husband, who is now the Illinois Central railroad's gardener in chief.

IPSWICH, MASS.—Benjamin Fewkes, who is now 82 years of age, was recently thrown from his buggy, breaking an arm and a leg. His wife and a young lady were with him, but escaped unhurt.

RICHMOND, IND.—A half dozen new greenhouses are now in course of construction west of the city by E. G. Hill & Co., on the tract of ground recently purchased. They will be completed in August.

MILWAUKEE, WIS.—Emil Welke is completing a new house 21x82 feet adjoining his store on Third street. His residence, store and greenhouse will be heated by hot water and Reimer has the contract.

OMAHA, NEB.—Warrants for the arrest of four prominent citizens, among whom was A. Donahue, were issued recently charging them with misdemeanor in failing to cut the weeds about their premises.

BARABOO, WIS.—This town will entertain the State Horticultural Society August 29. The programme promises to be one of unusual interest. A particular effort is being made to secure a good display of fruits.

BALTIMORE, MD.—Architect Geo. Clothier, Jr., is preparing plans for a conservatory to be erected by Napoleon B. Lobe to adjoin his residence, at the corner of Callaway avenue and Liberty road, Forest park.

WOBURN, MASS.—J. W. Howard has filed a claim for $500 for damage caused, as he alleges, by the poor condition of Russell street which he is forced to use in conveying roses from his greenhouses to his Somerville store.

NORTH ABINGTON, MASS.—Work has begun on the building of a new greenhouse, 50 x 300 feet, on Adams street for Sidney Littlefield. It will be connected with another large greenhouse, which was erected some time ago.

MONTPELIER, VT.—The sole ownership of the Montpelier Greenhouse has passed into the hands of Alex. Broadfoot. For the last two years Mr. Broadfoot has been a partner in the business with the late Alex. Emslie, of Barre.

WATERVILLE, ME.—H. R. Mitchell & Son are having erected a thoroughly modern greenhouse, 40 x 200 feet. The frame and support are to be entirely of iron with glass in the sides and ends as well as overhead, and the benches are to be of cement. The Lord and Burham Co. has the contract.

PITTSBURG, PA.—The Pittsburg Plate Glass Co. alleges its miners were intimidated and is sueing the union for coercion. In a suit filed August 6 it alleges that its business has been interfered with although the men are paid the union scale of wages, but the union has not been recognized by signing the scale.

CELINA, O.—From further details of the new greenhouse establishment in course of erection at this place for Ernsberger Bros., Decatur, Ind., we find that the amount of glass is 25,000 square feet. The houses are to be built on the short roof plan with pipe posts, the gutters to be eight feet from the floor. These houses are intended mostly for lettuce and cucumbers. The Indiana plant contains about 35,000 square feet of glass and is mostly used for the same crop.

DAYTON, O.—The Advance Floral Co. has recently bought the establishment of H. M. Altick, consisting of eight greenhouses, which will be moved to Baker avenue and West Third street. The plant will be heated by hot water, the boiler being placed on the ground level, the circulation to be effected by means of an electric motor. This season pot plants only will be grown, but it is the intention to add carnations and roses next year. Mrs. C. M. Shaefer, with a stand in the Arcade market, takes care of the retail end of the business.

AMERICAN EVERBLOOMING HYDRANGEA.

Botanically, H. Arborescens Sterilis, H. Arborescens Grandiflora Alba of some.

A Fine Stock of Nursery Grown Plants and Plants from 2 1-2 inch pots.

Illustrated descriptive circulars free.

PEONIES. A large stock of best varieties.

E. Y. TEAS, Centerville, Ind.

Order Peony Plants Now

Complete list ready for distribution. Ship September 1. Stock guaranteed true. IT MEANS SOMETHING to carry away a SILVER CUP and NINE FIRST PRIZES out of twelve awarded at the Exhibition of the American Peony Society. That is what we did.

PETERSON NURSERY,

Lincoln and Peterson Avenues, CHICAGO, ILL.

PEONIES.

	Per 100	Per 1000
Humei, largest rose pink.....	$5.00	$40.00
Late Rose, best keeper.....	8.00	70.00
Mixed Pink, good varieties...	3.00	25.00

BATAVIA GREENHOUSES, Batavia, Ill.

PAEONIES.

Over 100 named kinds including a collection of Japanese varieties, Officinalis, in 4 kinds, besides a selection of favored kinds in all colors, from early to late for cutting in succession. Prices very low for good stock, true to name and description. A grower of over 40 years' experience, **Send for list.**

F. A. BALLER, Bloomington, Ill.

PEONIES

Queen Victoria (Whitleyii), per 100....$ 9.00
Festiva Maxima, per 100..... 30.00
Fragrans (the bloom producer) per 100. 6.00
For 1000 rates and other varieties, write

GILBERT H. WILD, Sarcoxie, Mo.

Jacs Smits, Ltd. NAARDEN, (Holland.

GROWERS OF

Rhododendrons, Axaleas, pot grown Shrubs for forcing, Lily of the Valley, Spiræa, Paeonias, Roses, Climbing Plants good varieties of Conifers and all ornamental stock.

Personal Inspection Cordially Invited.

R. R. Depot, NAARDEN-BUSSUM, near Amsterdam.

Price list free on demand.

ROSES

Strong Plants.	100	1000
2½-in. pots.		
Cr. Rambler	$2.50	$20
Wood. LaFrance	2.50	20
Meteor. G. Gate.	2.50	20
Notting	2.50	20
Diesbach. Laing	3.00	25
Masson. Caprice	3.00	25

On Own Roots. 4-in. pots.	100
Baby Rambler	$20
Crimson Rambler	6
Charta. Masson	7
Diesbach. Wood	7
Neyron, Laing	

101 best sorts for fall 1906 and spring 1907.

THE LEEDLE FLORAL COMPANY, SPRINGFIELD, OHIO.

Special Offer to the American Trade.

GEO. JACKMAN & SON

Woking Nurseries,

SURREY, ENGLAND,

HAVE A FINE AND EXTENSIVE STOCK OF

Dwarf and Standard Roses, Rhododendrons, Clematis, Conifers, Ornamental Trees and General Nursery Stock.

CATALOGUES AND PRICES ON APPLICATION.

Established 1810. Area 200 Acres.

Please mention the American Florist when writing.

HIBISCUS SYRIACUS MEEHANII

WE now offer to the trade our new hardy variegated leaf Hibiscus Syriacus Meehanii. This plant attracted much attention when exhibited at the American Nurserymen's Convention at Wes Baden, Ind., and American Florists' Exhibition at Asheville, N. C. Foliage beautifully variegated; never sun-scalds or reverts to the green; flowers single, very large, satiny lavender; bloom during four months; prices on application. Orders booked now.

P. J. BERCKMANS CO., Inc., Fruitland Nurseries AUGUSTA, GA.

CUT FLOWER BUYERS

We can offer you 25 years of experience in the handling and shipping of cut stock; the product of some of the most successful growers that ship to the Chicago market; the absolute guarantee that your interests will be looked after and advanced and, best of all, we can offer you "RELIABILITY." Can we not mail you our PRICE LIST EACH WEEK? It will be of interest to you and bring us your REGULAR ORDERS. A postal is sufficient to secure it.

E.H.HUNT WHOLESALER AND SHIPPER CHICAGO

CHOICE AND SEASONABLE CUT FLOWERS

No Charge for Packing or Delivery. 76-78 Wabash Avenue

90,000 Field Grown CARNATIONS

All A1 stock ready for shipment now. Give us your Orders.

GUARDIAN ANGEL	$35 00	MRS. PATTEN	$60 00
WHITE CLOUD	35 00	FLAMINGO	60 00
FLORA HILL	35 00	ENCHANTRESS	60 00
MELBA	35.00	CRUSADER	45.00
PINK LAWSON	45 00	HARLOWARDEN	50.00
BOSTON MARKET	45.00	G. LORD	40.00
WOLCOTT	50.00	AMERICA	35.00

VAUGHAN & SPERRY,

Flower Growers Market, 58-60 Wabash Ave., CHICAGO.

Please mention the American Florist when writing.

Lilium Harrisii

FOR XMAS FORCING.

Well ripened and carefully graded bulbs.

5 to 7 Inches,

per 100.....$4.50; per 1000.....$40.00

VAUGHAN'S SEED STORE,

84-86 Randolph St., CHICAGO. 14 Barclay St., NEW YORK.

CARNATIONS

	Per 100
500 Queen Louise, field-grown	$4.00
ASP. PLUMOSUS, 2½-in. pots, Aug. 15	2.00
CINERARIAS, Sept. 1	2.00
PANSY SEED, large, flowering, per oz	4.00

PRIMROSES

	Per 100
Chinese, 2¼-in., ready Aug. 15	$2 00
Obconica Rosea and Alba, ready Aug. 15.	2.00
PAPER WHITE NARCISSUS, 13 ctm., Sept.	1.25
CANNAS, 5 var., field-grown	15.00

——CASH PLEASE.——

JOS. H. CUNNINGHAM, Delaware, Ohio.

Full Convention Report in Next Issue. **Send Advt. Now.**

PETER REINBERG

Wholesale Florist,

51 Wabash Ave., CHICAGO.

Rose Plants, Carnation Plants,
Rose Cuttings, Carnation Cuttings,
Cut Flowers of all kinds.

We Call Attention

TO OUR

Convention Exhibit

MANY INTERESTING THINGS

INCLUDING

FICUS PANDURATA

The most valuable House Plant introduced for many years

Robert Craig Co.,

49th and Market Sts.
Philadephia, Pa.

BEGONIA

"Gloire de Lorraine" and "Turnford Hall"

NOW READY FOR DELIVERY.

Propagated strictly from **Single Leaf**; this method gives much better results than from cuttings.

$15.00 ....per 100. **$140.00**.....per 1000.
4-inch pots. **$40.00** per 100.

ADIANTUM FARLEYENSE.

Fine specimens. **$18.00** to **$24.00** per doz. 1¾-inch pots. **$8.00** per 100. 2½ inch pots. **$15.00** per 100.

PANDANUS VEITCHII.

50c, $1.00, $1.50 and **$2.50** each. Good value guaranteed.

Cash with order from unknown correspondents.

J. A. PETERSON,

McHenry Avenue, WESTWOOD, CINCINNATI, OHIO

Please mention the American Florist when writing.

ABUNDANCE!

Healthy stock, field-grown plants, 1st size, $12 per 100; $100.00 per 1000; 2nd size, $10 per 100; $75 per 1000; 250 at 1000 rates. Delivery 15th of August. Cash with order.

Abundance is an easy lifter, takes hold quickly and makes good sized stems on first crop.

Freesia Purity bulbs all sold out clean.

RUDOLPH FISCHER,

GREAT NECK, L. I., N. Y.

Outdoor Exhibits are a Feature

At The Dayton Convention.

Do not fail to look up **OUR NUMEROUS DISPLAYS,** all adjacent to Convention Hall. Prominent among these are

Beds of Novelty Cannas, Geraniums, Salvias, etc., also Hardy Perennials, such as Boltonia, Rudbekia Trilobia, Helianthus, Phlox and others.

Your inspection invited and all inquiries cheerfully answered.

When Home from Convention

We would be pleased to receive your orders for

FALL STOCK, Field Clumps of Violets, Carnations, Phlox, 4-in. Roses,

offered in the several previous issues of this paper.

NATHAN SMITH & SON, Adrian, Mich.

GOV. HERRICK THE COMING VIOLET

One that produces three times as many flowers as any violet ever offered for sale. It will please you. Order at once. Prices: $2.00 per doz.; $10.00 per 100; $75.00 per 1000; 5,000 or more at $60.00 per 1000. Send for description today.

H. R. CARLTON, Willoughby, O.
INTRODUCER and ORIGINATOR.

Please mention the American Florist when writing.

Gov. Herrick Violet

We have this stock in No. 1 shape, in 2½-in. pots, all ready for benching, at $10.00 per 100, $80.00 per 1000, as long as they last.

W. A. CALHOUN, 3226 Euclid Ave., EAST CLEVELAND, O.

Please mention the American Florist when writing

WIETOR BROS.

51 and 53 Wabash Avenue,

CHICAGO.

Wholesale Growers of

CUT FLOWERS

Our Specialties:

AMERICAN BEAUTIES.
ROSES.
CARNATIONS.
CHRYSANTHEMUMS.

Carnation Cuttings:

PINK.	Per 100	Per 1000
FIANCEE	$6.00	
LAWSON	6.00	$50.00
NELSON FISHER	7.00	60.00
GUARDIAN ANGEL	4.00	35.00
MORNING GLORY	4 00	35,00
WHITE.		
LIEUT. PEARY	8.00	75.00

WHITE.	Per 100	Per 1000
FRED. BURKI	$7.00	$60.00
BOSTON MARKET	5.00	45.00
FLORA HILL	5.00	45.00
WHITE CLOUD	5.00	45.00
RED AND CRIMSON.		
CHICAGO	5.00	45.00
HARLOWARDEN	6.00	50.00

850,000 Feet of Glass.

The PENNOCK FACILITIES

will be unsurpassed by any house in the United States when present improvements are completed. A visit would be appreciated and we hope those who are going to Dayton will not fail to call on our Mr. Fancourt at the convention who will have a choice line of ribbons, supplies, etc.

Samuel S. Pennock,

THE WHOLESALE FLORIST OF

1610-12-14-16-18 Ludlow St., PHILADELPHIA.

MABELLE, NEW PINK CARNATION FOR 1907.

COLOR . . . . . A peculiar shade of lovely pink, with a faint yellowish cast; several shades lighter than the Lawson. Unlike most pinks, the brightest sun does not injure the color.

SIZE . . . . . 3 to 4 inches in diameter when established.

ODOR . . . . . Pleasing, but not strong.

STEMS . . . . . Invariably strong, but always graceful, ranging from 12 to 30 inches during the season.

HABIT, ETC. . . . . A very quick, active grower, making specimen plants in a short time, even from late cuttings On account of its rapid growth, requires supporting very soon after benching. Gets away rapidly, blooms early and gives long stems right from the start.

PRODUCTIVENESS Prodigious is the best word we know of to use here. It is the most incessant bloomer, early and late, we have ever grown.

Stock limited. Delivery January 5 to 10 and later.

Price **$12.00** per 100: **$100.00** per 1000.

THE H. WEBER & SONS CO.,
OAKLAND, MD.

Ferns

from bench, Boston and Piersoni, 4-inch, 10c.; 5-in., 12½c. Tarrytown, 4-inch, 15c.; 5-in., 25c.; Scottii, 3-in.,8c.; 4-inch, 12½c.

PRIMROSES.

Chinese, mixed, 2-inch, 2c.; **Obconica,** Grand Fimbriata, Alba, Rosea, Lilac, Carmine, $2 00 per 100. **Obconica,** Double and Sanguienia, $3.00 per 100. **Jerusalem Cherries,** 2½-inch, $2.00 per 100.

ASPARAGUS PLUMOSUS NANUS and **SPRENGERI,** 2 inch, 2cts.

Cash or C. O. D.

BYER BROTHERS,
CHAMBERSBURG, PA.

Please mention the American Florist when writing.

CARNATIONS.

	Per 100	Per 1000
Lady Bountiful	$6.00	$55.00
Glacier	5.00	45.00
Mrs. Thos. W. Lawson	5.00	40.00
Enchantress	6.00	50.00
Flamingo	6.00	50.00
The President	6.00	50.00
Dorothy Whitney	6.00	50.00
Eclipse	6.00	50.00
Fred Burki	6.00	50.00
Fiancee	6.00	50.00

ELI CROSS, Grand Rapids, Mich.

BERTHA RATH CARNATION.

FERNS, PALMS,
ARAUCARIA EXCEL,
ASPIDISTRA,
Green and Variegated.
BAY TREES and PRIVET,
Fine, Strong Stock.
R. DREYER, WOODSIDE, L. I., N. Y.

Field-Grown CARNATIONS

6000 White Lawson, $6.00 per 100.

1000 Roosevelt,	300 The Crisis,
2000 Harlowarden,	500 Flamingo,
100 Eclipse,	200 F. Burki,
5000 Queen Louise,	

Finest in land, no stem rot, $5.00 per 100, $45.00 per 1000. Cash with order.
W. Fargo, American, Adams, U. S. Express.

W. SABRANSKY, Kenton, O.

Carnations

For Sale. Strong, healthy, field grown plants

	Per 100	1000		Per 100	1000
Lawson	$5.00	$40.00	Sports	$4.00	30.00
Nelson	4.00	30.00	Ine	4.00	30.00
Enchantress	6.00	55.00	White Cloud	4.00	35.00
Boston Market	5 00	40.00	Harlowarden	5.00	45.00
Flora Hill	4.00	30.00	Crusader	6.00	50.00

Sprengeri, extra fine, $4.00 per 100.

SCHEIDEN & SCHOOS,
Asbury and Warren Aves., **Evanston, Ill**

E. F. WINTERSON CO.

A SCENE IN OUR SUPPLY DEPT.

45-47-49 Wabash Ave.
CHICAGO.

CUT FLOWERS
and FLORISTS' SUPPLIES.

ALL our efforts are devoted to these two lines, and our long experience has put us in a position to take care of your wants to the best possible advantage. We carry everything that a florist can possibly need and our prices are right at all times, consistent with **"RELIABLE GOODS."**

We want your business. Entrust your orders to us this coming season and you will not be disappointed.

CUT FLOWERS.

We carry all cut flowers in season. No orders to small, none to large; all orders have our best attention. We are particularly strong on **American Beauties, Roses, Carnations, Valley, Lilies, 'Mums, Ferns,** all kinds, and miscellaneous small flowers. We make a specialty of

REGULAR CUT FLOWER ORDERS.

Write, Telephone or Telegraph

at the last moment if necessary. **We are prepared to take care of your "hurry-up" orders.** Do you get our

Weekly Cut Flower Price List?

If Not, Write Us.

Send for our Supply Catalogue. It will interest you.

FLORISTS' SUPPLIES

We have the largest stock of Florists Supplies in the West and can make prices right. **Send us your order for your Fall needs.**

FLORISTS' EVERY DAY WANTS.

Baskets,	Tissue and other papers,	Tobacco Stems, etc.
Ribbons,	Twines, Vases,	Cape Flowers,
Wheat Sheaves,	Insecticides,	Immortelles,
Tinfoil,	Mastica and all glazing tools,	Cycas Leaves and Wreaths.
Annealed Wire,	Cone Stakes,	Pampas Plumes,
Folding Boxes,		Doves, all grades.
Chenille Letters,		

We have made arrangements for a larger supply than ever of our well-known

XXXX Delaware Holly.

Send us your advance orders. We will also have a large supply of **BOUQUET GREEN.** Price list later.

FERNS.

We have had a fine lot grown for us which we quote as follows:

5-inch	.....per 100, $30.00	6-inch	.....per 100, $45 00
7-inch.....	.....per 100, 60.00	8 inch	..per doz., 12.00
	9-inch	.....per doz., $18 00	

We will have samples of these plants at the S. A. F. and O. H. Convention at Dayton, O.

"Leading Florists' Supply House of the West."

E. F. WINTERSON CO.

45=47=49 Wabash Ave., CHICAGO.

Bassett & Washburn

We call your attention to the following price list for summer flowers. We have a large range of glass devoted to Summer Roses alone. In Beauties we are cutting from two to three thousand very choice flowers per day, all lengths of stems.

American Beauties from all New Young Stock

Stems extra long 36 to 48 inches, per doz	$3 00
Stems 20 to 24 inches, per doz	2 00
Stems 15 to 18 inches, per doz	1 50
Stems 12 inches, per doz	1 00
Shorter length stems, per doz	35 to 50

Kaiserin and Carnot

Extra Fancy, per 100	$6 00 to $8 00
Good length, per 100	5 00
Medium and short lengths, per 100	$2 00 to 4 00

Brides, Maids, Liberty, Chatenay, La Detroit and Perles

A grade all long stems, per 100	$5 00 to $6 00
No. 1 grade, good length, per 100	4 00
No. 2 medium and short length, per 100,	$2 00 to 3 00

Assorted Roses, Our Selection

In lots of 200 or more, per 100	$1 50
ASTERS ALL COLORS, per 100	$1 00 to 2 00

Greens

Asparagus, extra long, per string	$ 50
Smilax, extra long, per doz. strings	1 50
New Common Ferns, per 1,000	1 50
Sprengeri, per 100	2 00
Galax Leaves, green or bronze, per 1,000	1 25

We are offering Rose Plants very low to close them out. Write us for special prices on Beauties, Richmond, Kaiserin, Carnot and Brides.

BASSETT & WASHBURN

OFFICE AND STORE
76 WABASH AVENUE, CHICAGO

Long Distance Telephone
Central 1457

GREENHOUSES
HINSDALE, ILLINOIS

FOR SALE

Field-Grown

Carnation Plants.

Fine stock in first and second sizes.

E. T. GRAVE,
RICHMOND, - IND.

Please mention the American Florist when writing

Highland Grown Carnation Plants.

	Per 100	1000		Per 100	1000
Lawson	$5.00	$45.00	Norway	$5.00	
Flora Hill	5.00	45.00	Prosperity	5.00	
Boston M'ket	6.00	50.00	G. Angel	4.50	$40.00
Crusader	7.00		Peru	4.50	40.00
M. Glory	5.00	40.00	Glacier	4.50	40.00

Enchantress, Bountiful and White Lawson ready next month.

CRABB & HUNTER, Grand Rapids, Mich.

Please mention the American Florist when writing.

CARNATIONS

Field-grown plants for August 27 and later delivery.

The H. Weber & Sons Co. OAKLAND, MD.

Please mention the American Florist when writing.

CARNATIONS Field plants. Enchantress $6.00 per 100; $50. per 1000. Boston Market, $5. per 100; $40. per 1000. Lawson, $5. per 100; $40. per 1000. Red Lawson, $6 per 100; $50. per 1000.

The J. A. BUDLONG & SON CO., Auburn, R. I.

CARNATIONS.

Strong, Healthy, Field-Grown Plants.

	Per 100	Per 1000		Per 100	Per 1000
Lawson	$5.00	$40.00	Morning Glory	$4.00	$30.00
Nelson	4.00	30.00	Boston Market	4.00	25.00
Guardian Angel	3.00	25.00	Lady Bountiful	6.00	50.00
Nelson Fisher	3.00	25.00	Flora Hill	4.00	25 00
Enchantress	7.00	60 00	Estelle	5.00	40.00
Mrs. Patten	6.00	50.00	Fiancee	7.00	60.00

ROSE PLANTS.

	Per 100	Per 1000		Per 100	Per 1000
Liberty, 3-in	$4.00	$35.00	Chatenay, 2½-in	$4.00	$35.00

PETER REINBERG,

51 Wabash Avenue, CHICAGO.

Carnations We make it a business to grow and sell carnation plants. No surplus stock. All A1 plants.

	Per 100	1000		Per 100	1000
Enchantress	$5.50	$50.00	Harlowarden	$5.00	$45.00
Nels'n Fisher	6 00	55 00	Flamingo	5 50	50 00
Prosperity	5.00	45.00	Crane	5.00	45.00
Morn. Glory	4.50	40.00	Pink Lawson	4.50	40.00
Glacier	4 50	40.00	Cash with order, please		

Blanksma Bros., R. F. D. No. 11, GRAND RAPIDS, MICH

Please mention the American Florist when writing

CARNATIONS. . . .

Fine, Clean, Low Grown.

Enchantress	$6 00
Mrs. Thos. Lawson	5.00
Gen. Lord	5.00
Queen Louise	5.00
Estella	5.00

— CASH —

CENTRAL GREENHOUSES, SANDUSKY, OHIO.

Full Convention Report Next Week. Send Advt. Now.

THE

Leo Niessen Company

Wholesale Commission Florists

1217 Arch Street, PHILADELPHIA, PA.

OUR MOTTO:

Careful Attention,

Full Count,

Good Packing,

Prompt Shipments,

Right Prices.

We are in line with every facility to handle your business this season to your best possible advantage.

A Trial Solicited.

J. B. DEAMUD, President.

The Busiest House In Chicago.

W. P. KYLE, Vice-Presdent.

J. B. DEAMUD CO.

51 and 53 Wabash Ave., CHICAGO.

Can take care of your wants. Can sell your surplus.
We want your business.

J. B. DEAMUD, President. W. P. KYLE, Vice-President. ALEXANDER NEWETT, Manager.

A Few Good Things You Want.

Cash with Order.

Dracaena Indivisa, 4 and 5-inch, $10.00 and $25.00 per 100.
Asparagus Plumosus, 2-in., $3.00 per 100.
Asparagus Sprengeri, 2-inch $2.50 per 100.
Geraniums, S. A. Nutt, Castellane, John Doyle, Perkins, Poitevine and Double Gen. Grant, La Favorite Mme Saleroi, 2-in. pots, $2.00; 3-in. pots, $4.00 per 100. Rooted cuttings, $1.00 per 100
Rex Begonia, nice plants 2 and 2½-inch, $5.00 per 100.
Boston Ferns, 5-inch, 30c each.
Pierson Ferns, 5-inch, 50c each.

GEO. M EMMANS, NEWTON, N. J.

Please mention the American Florist when writing.

SMILAX

2-in., strong, $1.50 per 100; $12 50 per 1000.

'MUMS.—The very best named vars., 2-in., $2.00 per 100; $18 00 per 1000.

ROSES, Brides.—Very strong, 3-in., equal to 4s, $4.00 per 100; $35 00 per 1000.

GERANIUMS—Best named vars., 2½-in., $2.00 per 100; $18.00 per 1000.

C. HUMFELD, Clay Center, Kan.

DAHLIAS.

Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring.

DAVID HERBERT & SON,
Successors to L. K. Peacock, Inc., **ATCO, N. J.**

Please mention the American Florist when writing

Convention Report Next Week.
SEND ADVT. NOW.

Baby Rambler Roses.

We have a fine lot now growing in our fields, and offer strong dormant plants for October and November delivery.

	Doz.	100.	1,000.
1st size, selected	$3.00	$25.00	$200.00
2nd size, selected	2.50	20.00	150.00
3rd size, selected	2.00	15.00	120.00

Also have a large stock of pot grown plants in bud and bloom.

	Doz.	100.
3-in. pots	$1.50	$12.00
4-in. pots	3.00	20.00
5-in. pots	5.00	40.00
6-in. pots	6.00	50.00

NEW ROSE ETOILE DE FRANCE The best red rose for pot sales. 1-year old dormant plants, per doz., $2.00; per 100, $15.00.

VAUGHAN'S SEED STORE, 84-86 Randolph St., CHICAGO. 14 Barclay Street, NEW YORK.
Greenhouses, Western Springs, Ill.

Please mention the American Florist when writing.

Directory of Gardeners

—AND—

Estates Employing Gardeners

—IN THE—

UNITED STATES and CANADA.

Price $5, Cash With Order.

AMERICAN FLORIST CO. 324 DEARBORN ST., ...CHICAGO

ENTERPRISING

DETROIT FLORISTS

The following named Detroit Florists solicit trade orders by wire or mail for delivery in this city and points adjacent, promising special attention to the same and liberal prices with good stock.

John Breitmeyer's Sons,
22 Miami Avenue.

G. H. Taepke,
95 Gratiot Avenue.

W. B. Brown,
308 Woodward Avenue.

The L. Bemb Floral Co.,
153 Bates Street.

B. Schroeter,
59 Miami Avenue.

E. A. Fetters,
275 Woodward Avenue.

Detroit Floral Company,
470 to 482 John R. Street.

J. F. Sullivan,
214 Woodward Avenue.

QUERIES.

Ventilating a Greenhouse.

ED. AMERICAN FLORIST:—

Kindly let me know if it will be necessary to have ventilators on the north and south sides of a greenhouse 22 x 75 feet, the length of which runs east and west.

B. B.

As a rule it will answer if there is a row of ventilators in the south wall, but if to be used in the summer it will often be helpful if there is a row in the north wall. If there is a row of ventilators in each of the side walls a single row at the ridge will suffice. L. R. T.

To Heat Two Greenhouses.

ED. AMERICAN FLORIST:—

I am about to build two greenhouses, each 14 x 60 feet, and would like some information as to the amount of steam or size of boiler that will be required.

M. R.

The size of boiler and the amount of radiation will depend largely upon the temperature desired, as well as upon the minimum temperature of the outside air. If 60° will suffice, a steam boiler rated for 500 square feet of radiation will answer in zero weather. For radiating surface it will be advisable to use one 2-inch flow and six 1¼-inch returns. The latter can be carried on the walls or under the benches as will be most convenient. L. R. T.

Care of Pipes During Alterations.

ED. AMERICAN FLORIST:—

We heat our houses with hot water water system and wish to make some alterations this summer. We must drain the water from our boiler and pipes. The pipe joints are made with Portland cement. Do you think they would be damaged by draining off the water and exposing part of them to hot sun?

H. & M.

The great difficulty of handling the pipes as proposed comes more from the breaking of the joints by rough treatment than from excessive heat. However, if to be exposed for a long time, it might be well to place the pipes in piles and, if no lumber is available for the purpose, throw a little soil or waste material of any kind over the joints.

L. R. T.

Steam Trap Versus Pump.

ED. AMERICAN FLORIST:—

I have a range of glass containing almost 18,000 linear feet of 1-inch pipe with the necessary supply and return pipes for a steam heating plant. We at present use a steam pump to return water to boilers, which are a little too high for good circulation by gravity. Would a steam trap be better than pump or more economical? What size of trap or how many would be needed?

D.

If the steam trap is properly put in there will be little difference between the results secured from the trap and from a steam pump so far as economy is concerned. As a rule, however, the trap would not require nearly the attention that would be necessary for a steam pump and ordinarily under the conditions mentioned would be most satisfactory.

One trap would answer for the entire system if it can be placed on a common return. It will be safe to use one that is rated a little higher than the total amount of radiating surface.

L. R. T.

LANCASTER, PA.—I. N. Glick reports that trade this season has been far better than in any previous years, having sold out of everything in vegetable plants. In the most varieties he found the demand much greater than the supply.

OUR PASTIMES.

Minneapolis Versus St. Paul.

The annual team bowling match between teams representing Minneapolis and St. Paul took place Tuesday, Aug. 7, at the Pfister alleys, St. Paul, and was won by the St. Paul team for the third consecutive time. Three years ago funds were subscribed for the purchase of a handsome gold medal, which was to be played for until one team had won it three times. The medal is now the property of the St. Paul club.

Each member of the winning team also receives a gold button, emblematic of bowling, with the date and year engraved thereon. The score:

The score:

ST. PAUL.	1st.	2nd.	3rd.
O. J. Olson	162	167	133
C. Haugen	108	118	122
H. Purvogel	127	125	155
F. Schulze	136	144	121
H. Schieman	123	151	171
MINNEAPOLIS.			
O. Carlson	121	135	130
W. Desmond	118	115	147
G. Malmquest	120	93	118
H. C. Will	109	132	187
O. Thoreson	121	128	155

Totals—St. Paul 2,063
Minneapolis 1,929

O.

At Salt Lake City.

The growers and retailers rolled the first games of their series August 7, and the way the growers went after the retailers was something fierce, taking all three games by a good margin. After the regular games King and Butchart of the retailers got revenge by defeating Law and Sowadzki two out of three games. Following are the scores:

Growers.	1st.	2nd.	3rd.
Law	132	149	171
Sowadzki	165	131	155
Adams	108	93	100
Rieben	103	144	108
	508	517	534
Retailers.			
King	116	105	100
Chas. Alt	123	78	104
Al. Alt	109	120	76
Butchart	134	172	156
	482	475	436
Growers.	1st.	2nd.	3rd.
Law	98	159	95
Sowadzki	140	114	151
	238	273	246
Retailers.			
King	95	106	117
Butchart	164	127	133
	259	233	250

UTAH.

At Philadelphia.

Well, it is all over at last, the fifth contest taking place on the home alleys on August 9. The averages of the men trying for places are as follows. The first five compose the team, the sixth being a substitute. The averages for all games bowled in five matches of three games each, two on the home alleys and three on public alleys and always at new pins: Robertson, 170; Connor, 168; Falck, 166; Graham, 161, Adelberger, 160; Dunlap, 156; team average, 165. These men are all Simonpure florists and every one of them have been members of the Florists' Club of this city for 10 years and over. Wm. Robertson is a private gardener and has already been on several victorious S. A. F. teams. Dennis Connor is an old-time florist and now represents the Lord & Burnham Co. in this city. He has also greatly aided his club in winning bowling honors at the convention contests. Wm. Falck has been with Pennock Bros. the past six years and is one of the leading bowlers of the club. Wm. Graham was almost born in a greenhouse, having followed the business all his life. This is his first convention contest. Frank Adelberger, a grower and retailer, is the pride of Milwaukee, at least he was the boy who turned the tide and snatched the prizes Chicago had almost cinched on that memorable occasion. Substitute Dunlap is a florist from his boyhood days, having learned the trade with Pennock Bros., where he now has charge of the decorative branch of the business. These are the men who are to represent this city, with their records. Now let us see if all of the other clubs can give as clean a bill of health.

K.

At Chicago.

The last of the series of bowling games, arranged to ascertain the best players for the national tournament, was played August 14, when the appended scores were made. A number of the members have not had the opportunity to play the required number of games and may do so August 19 at Bensinger's alleys, at 8 p. m.

Player.	1st.	2nd.	3rd.	4th.
Winterson	118	157	184	135
Stevens	173	158	181	212
Wilson	145	144	157	189
Balluff	164	181	177	137
Scott	175	152	137	...
Hauswirth	139	191	144	...
Stollery	179	147	174	...
Klunder	162	144	128	...
Pasternick	114	103	127	...

EXTRA QUALIFYING GAMES.

Player.	1st.	2d.	3d.	4th.	5th.
Winterson	162	128	130	174	153
Stevens	160	219	165	226	...
Balluff	143	130	...	...	...
Wilson	111	...	...	...	...

The scores of the ladies were as follows:

Player.	1st.	2nd.	3rd.
Mrs. Asmus	107	121	89
Mrs. Scott	90	99	94
Mrs. Kreitling	110	78	89
Mrs. Winterson	113	72	113
Mrs. Hauswirth	123	99	78
Mrs. Stollery	62	71	77
Miss Moore	114	85	93

At St. Paul.

The bowling contest for individual bowlers which took place at the Pfister alleys August 3 was quite an event. It was part of the programme of the Twin City florists' outing and was participated in by about 60, including ladies. It turned out to be a very warm evening and the scores suffered some for this reason. The winners were the following:

Oscar Carlson	171
Peter Hansen	160
Henry Schieman	151
O. J. Olson	140
C. Hansen, Jr.	136
F. Schulze	135

Most strikes, Oscar Carlson.
Most spares, O. J. Olson.
The ladies:
Mrs. Buelow, first.
Miss K. Hansen, second.
Miss Will, third.
Mrs. N. C. Hansen, fourth.
Miss F. Johnson, fifth.
Miss Seeger, sixth.

E. P. Holm won the men's booby prize and Miss Schulze the ladies'. After the various prizes had been distributed everybody adjourned to the Aquarium cafe where a supper had been arranged for, which was enjoyed very much, after which an informal programme of speches, funny stories and solos by Henry Puvogel and Chris Bussjaeger was enjoyed.

B. Eschner of M. Rice & Co., Philadelphia, was a guest and besides contributing some very witty stories donated a very generous prize to the bowling contest. Besides Mr. Echner we had as visitors: E. O. Lovell and son, Grand Forks, N. D.; A. N. Kinsman, Austin, Minn.; and M. D. Ausburger, Peoria, Ill.

O.

BAYERSDORFER'S

The

Florists' Supply House of America

Everything the Best in Florists' Supplies

BASKETS

Every conceivable shape in fancy, shaded and solid colors, in new materials and patterns that are the perfection of the basket makers art, fresh from European Markets. Touch up your stock with a sample of our latest importations.

NEW TONE WARE

Our new Tone Ware vases and jardinieres for cut flowers and plants are useful and saleable as well as ornamental. Many new and large patterns in this season's importation. They are great helps in window decoration and never become shop worn.

FOR THE DECORATOR

Now is the time to add to your stock of pedestals and pot covers; our line of these staples for the decorator is the largest and most complete in this country. Try a pair of the new folding screens. Beautiful effects are made with them.

AT THE CONVENTION

Ours will be the banner exhibit, don't fail tosee it. Samples of latest importations together with our regular line of staple goods artistically arranged will be an exhibition well worth inspection. Mr. Paul Berkowitz with an able corps of assistants will be there to receive you.

H. Bayersdorfer & Co., 56 North Fourth Street PHILADELPHIA, PA.

LUDVIG MOSBAEK,

ONARGA, ILL.

100,000 Asparagus Pl. Nana and **Sprengeri,** very strong and fine plants, ready for shift, 4-in., $10.00; 3-in., $5.00; 2¼-in., $2.50 per 100; 2¼-in., $20.00 per full 1000. Seedlings, $10.00 per 1000.

40,000 Ferns, in var.: **Anna Foster, Boston, Piersoni** and **Sword Fern** (Exaltata), very fine, pot grown, ready for shift, 6-inch, $40.00 per 100; $6.00 per doz.; 4-in., $15.00; 3-in., $8.00. **Boston** and **Piersoni,** strong runners $30.00 per 1000.

3,000 Nephrolepis Piersoni Elegantissima, 4-in., $50.00; 3-in., $20.00; 2¼-in., $12.00 per 100.

20,000 Geraniums, stock plants, from field in standard var., $6.00 per 100, $50.00 per 1000. Will also book orders for R. C. and 2¼-in. plants.

Palms, Dracaena Indivisa, 3-in., $5.00 per 100. **Kentia,** 3-in., $15.00 per 100. **Latania,** 3-in., $15.00 per 100.

Roses, Brides and Bridesmaids, 3-inch, in fine condition, $5.00 per 100.

New Pansy Seed, Florists' International Mixture, 1 oz., $6.00; ⅛ oz., 75c; Giant Mixture, 1 oz., $4.00; ⅛ oz., 75c.

Let me send you a sample of my Asparagus and Ferns. They are worth more money to you than to me.

Nephrolepis Scottii.

Small plants from the benches, $5.00 per 100; $50.00 per 1000. Plants large enough for 6-inch pots, $25.00 per 100. Plants large enough to go in 7 and 8-inch pots, $50.00 per 100.

Asparagus Plumosus Nanus, 2¼-inch, fine plants, $3.00 per 100.

JOHN SCOTT,

Rutland Road and East 45th Street, **BROOKLYN, N. Y.**

Telephone 2890 Bedford.

Please mention the American Florist when writing.

GRAFTED ROSES.

Extra Fine Plants, Free from Mildew.

KILLARNEY, 3½-in. pots.....$18.00 per 100
LIBERTY, KAISERIN, MAIDS, WOOTTON, 3½-in. pots, 15.00 per 100

OWN ROOT ROSES.

RICHMOND, PERLES, 3-in. pots.....$8.00 per 100
BRIDES, MAIDS, GOLDEN GATES, KAISERIN, LIBERTY, WOOTTON, 3-in. pots..... 6.00 per 100

SMILAX, Very fine, 2½-in. pots, $1.50 per 100.

J. L. DILLON, Bloomsburg, Pa.

GERANIUMS

2½in. Pots.
Ready for Immediate Delivery

Alliance. Lemoine 1905. Hybrid, Ivy and Zonal, semi-double, lilac white, upper petals feathered and blotched crimson maroon. 25c each; $2.00 per doz.

Fleuve Blanc, the semi-double Bruant that promises to become the standard white, flowers and foliage equal to Alph. Riccard. $1.50 per doz.; $10.00 per 100.

Double Dryden, $1.00 per doz.; $5.00 per 100.

Cactus Geraniums, four varieties, petals curled and twisted similar to the Cactus Dahlia. $2.00 per doz.; $15.00 per 100.

S. A. Nutt, La Pilote, Beaute Poitevine, Mme. Barney, Centaur, Miss Kendall, Mme. Jaulin, Jean Viaud, Mme. Charotte, 40c per doz.; $2.00 per 100; $18.00 per 100.

Ville Poitiers, Marquise de Castellane, Berthe de Persilly, M. Jolly de Bammeville, Thos. Meehan, 50c per doz.; $3.00 per 100; $25.00 per 1000.

Send for Geranium Catalogue. Let us figure on your future supply.

	Per 100	1000
Alternanthera, red and yellow	$2.00	15.00
Hardy English Ivy	2.00	15.00
Smilax	2.00	15.00

DAHLIA ROOTS.

We are booking orders for fall delivery. Send for list.

A cordial invitation is extended to all interested in horticulture to visit us. Cowenton station, Philadelphia division, B. & O. R. R., 12 miles north of Baltimore.

R. VINCENT, JR. & SON, **White Marsh, Md.**

Saves Many Times
ITS PRICE.

$2.00

Postpaid to any address.

THE AMERICAN FLORIST COMPANY'S DIRECTORY saves many times its price to every one who catalogues or circularizes the trade. Fully revised to date of publication, it puts the mail only to live names, avoiding waste of postage and printed matter, time and labor.

Contains 476 pages, lists of Florists, Seedsmen and Nurserymen of the United States and Canada by states and towns, also alphabetically; firms that issue catalogues, foreign merchants, horticultural societies and much other up-to-date information which makes it a reference book of daily utility wherever a wholesale trade is done.

Published annually by the

American Florist Co.

324 Dearborn Street, CHICAGO.

GET THE BEST

It don't pay to buy poor stock.

	Per 100	Per 1000
Richmond Roses, 2½-in.	$5.00	$40.00
" 3½-in.	6.50	55.00
American Beauties, 3-in.	5.00	40.00
" 3½-in.	6.50	55.00
Brides, Maids, 3½-in.	5.00	45.00
Chatenay, 2½-in.	3.50	30.00
" 3½-in.	5.00	45.00
Uncle John, 2½ in.	3.50	30 00
" 3½-in.	5.00	45.00
Golden Gates, 2½-in.	3.50	30.00
" 3½-in.	4.50	
Kaiserin, 2½-in.	3.50	30.00
Sunrise, 3½-in.	5.50	50.00
Perles, 3½-in.	6.00	55.00

Satisfaction Absolu'ely Guaranteed.

	Per 100	Per 1000
Sprengeri, 2-in.	$2.20	$18 00
Plumosus, 2 in.	2.50	22.00
Yellow Snapdragon, 3½-in.	5.00	45.00

Field-Grown Carnation Plants.

Free from stem rot or other diseases. Strong, healthy plants

	100	1000		100	1000
Mrs. T. Lawson,	$5	$45	Red Sport of Maceo	$4	$35
White Lawson	6	50	Queen	4	35
Wolcott	4	35	Patten	4	35
Prosperity	4	35	Elsie Marten	4	35
The Belle	4	35	Harlowarden	4	35
Bountiful	6	55	Fiancee	4	35
Phyllis	4				

POEHLMANN BROS. CO.

MORTON GROVE, ILL.

Please mention the American Florist when writing.

CARNATIONS

SPLENDID PLANTS.

Lawson, pink	$6.00 per 100
Harlowarden	6.00 per 100
White Cloud	5.00 per 100
Prosperity	5.00 per 100
Boston Market	5.50 per 100
Queen Louise	5.00 per 100
Crocker	5.00 per 100
Joost	5.00 per 100

United States Cut Flower Co.

ELMIRA, N. Y.

PHLOX CANADENSIS. Perry's Variety.

Award of Merit, R. H. S. and R. B. S.

One of the finest introductions for many years. Far superior to the well known Canadensis. Flowers larger, not divided, brighter in color, stronger constitution, in flower three months An ideal plant for decoration or for cutting. **Strong flowering plants,** $7.50 per 100.

EREMURUS ROBUSTUS, immense stock of extra fine roots $25 00, $37.50 and $50.00 per 100. **EREMURUS BUNGEI,** extra strong flowering roots, $12.00 per doz.

PERRY'S HARDY PLANT FARMS,
Winchmore Hill, LONDON, N., ENGLAND.

FOR SALE.

1,200 Carnations, Lawsons mixed and Enchantress at 3c; 500 Chrysanthemums at 2½c each; about 100 Cypripedium plants at 25c, and 6 nice Bougainvillea Trees at $2.00 each.

JOHN J. FOLEY,
MADISON, N. J. or 226 Bowery, NEW YORK.

Nicholson's Dictionary of Gardening,

FOUR VOLUMES, $20.00.

An Excellent Work of Reference.

American Florist Co.
324 Dearborn Street, CHICAGO

WATCH US GROW.

Araucaria Excelsa

The Best of All Decorative Plants Nature Produces

OUR SPECIALTY.

Every man in business and life to be successful must adopt one thing as his specialty, and that specialty, whatever he select, of whatever nature it may be, he must guard, study and push to such an extent that it not only benefits himself, but he must conduct it so that everyone who seeks his aid, service or his article, which he advertises or practices, will share a slice of his activity and prosperity. I made the importation and cultivation of Araucarias as a special study in my life. The figures below will show my success in business: In the first year I commenced with an importation of 250. In the eleventh year now, 1906, my importations have grown up to 6,000 (come and see it), and on account of the Araucaria growing yearly more in favor by the plant consuming people all over the country, as a much admired decorative plant for the parlor, bed, dining and sitting room, stores, hotels, lawns and porches the outlook will be for an importation at least of 8,000 to 10,000 in spring of 1907. To secure this vast amount for 1907 I am now on the ocean, per steamer New Amsterdam, leaving Hoboken Aug. 15, striking for Belgium, making contract for next year, 1907. I also shall at the same time bring over with me a large lot of choice Azalea Indica and Palms, etc., for Christmas and Easter flowering. No money will be spared in obtaining for my customers the cream of the Belgium greenhouses only.

Please note lowest prices now going on for August and September:

Araucaria Excelsa.

12 to 14 in. high, 5½-in. pots, 3 to 4 trs., 2 yr. old, $ .50
12 to 14 in. high, 5½-in. pots, 3 to 4 trs., 2 yr. old. .60
16 to 18 in. high, 5½ to 6 in. pots, 3 to 4 trs., 3 yr. old ..... .75
18 to 20 in. high, 6-in. pots, 5 to 6 trs., 4 yr. old.. 1.00
20 to 24 in. high, 6-in. pots 5 to 6 trs., 4 yr. old.. 1.25
36 to 50 in. specimen, 7-in pots 6 yr. old, $2.50 to 3.00

Araucaria Compacta Robusta, have 1000 of them, never were so nice as this year. Plants are as broad as long from 12 to 20 in. in height, 3 to 4 perfect tiers, 20 to 30 in. wide across from one tip of tiers to the other, 3, 4 and 5 years old, 6 to 7-in. pots $1.25, $1.50, $1.75, $2.00, up to $3.00 each.

Araucaria Excelsa Glauca, are perfect jewels in shape and size: their beautiful green-blue tiers make them of such a striking appearance that everybody seeing them must fall in love with them on sight, and cannot help it. Plants, 6 to 7 in. pots, 3, 4 and 5 perfect tiers, 15 to 25 in. in height, from 15 to 30 in. across, $1.25 $1.50, $1.75, $2.00 to $2 50 each.

Please bear in mind these mentioned varieties are the cream of Belgium importations. We have thousands of them: can meet all demands.

Kentia Forsteriana, 6-in. pots, 35 to 40 in. high, 5 to 6 leaves, 4 years old, $1.25 to $1.50; 30 to 35 in. high, 4 years old, 6 in. pots, $1.00; 5½-in. pots, 25 to 30 in. high, 3 years old, 75c; 4-in. pots, made up with three plants, 18 to 20 in. high, 25 to 30c. **Belmoreana,** 6 in. pots, 4 years old, 5 to 6 leaves, bushy, 30 to 35 in. high, $1.25; 5½ to 6 in. pots, 3 years old, 5 to 6 leaves, 75c to $1.00 each. Above are the sizes entered in the custom house. **Kentia Forsteriana,** 7-in. pots, made up plants, on elarge in center, three smaller sizes, about 22 to 24 in. high, price $2.00 each.

OUR LITTLE PETS.

By Aschmann, in Philadelphia, I bought
An Araucaria, a pet for our little girl—
Now we have two pets, the pride of our thought,
The little girl so sweet a head full of curls,
And the Araucaria with their everlasting green—
A more joyful home you never have seen.

Nephrolepis Barrowsii, 6-in., large, ready for 7-8 in. 50c; 4-in., large, 25c.

Nephrolepis Scottii, 6-in. pots, large, ready for 7-8 in., 50c; 5½-in., 40c; 5 in., 35c; 4-in., 20c to 25c.

Boston Ferns, 4-in., 20c to 25c; have them by the 1000.

Asparagus Plumosus Nanus, 3-in., 6c; 4-in., 10c.

Cycas Revoluta or **Sago Palm,** 6 to 7 in. pots, 7 to 20 leaves, 10c per leaf.

Cocos Weddelliana, 15c.

Areca Lutescens, made up plants, 4-inch pots, 5c.

Solanum or **Jerusalem Cherries,** 2½-in., per 100, $5.00; the same varieties as we sell at Xmas, for from 75c up to $1.00 each.

Ficus Elastica, Belgian importation, 6-in. pots 50c each.

Ferns. A fine assortment of Ferns for dishes, large, bushy, out of 2½-inch pots, $5.00 per 100; 3-inch, 7c each.

All goods must travel at purchaser's risk. Cash with order, please.

GODFREY ASCHMANN,

Importer and Wholesale Grower of Pot Plants, 1012 Ontario St., PHILADELPHIA, PA.

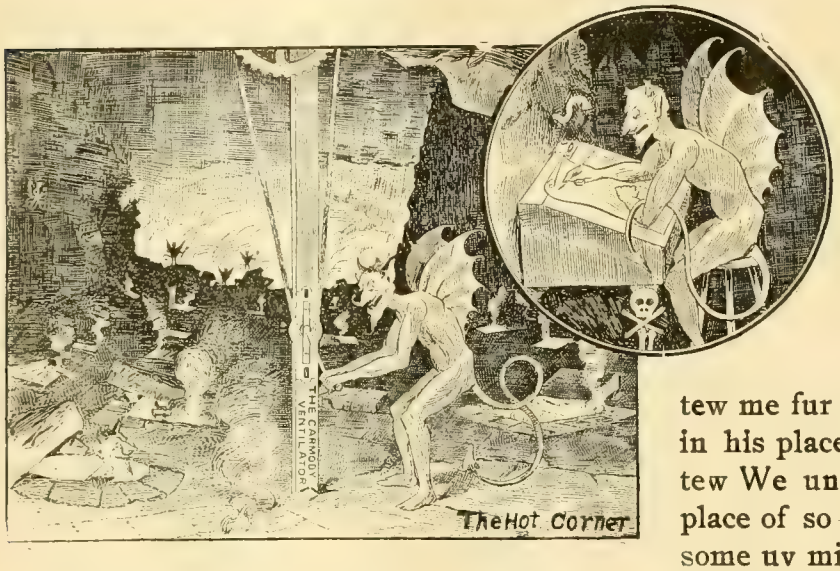
ROMAN HYACINTHS, PAPER WHITES and FREESIAS

ARE NOW READY.

Write for prices, stating quantity wanted.

Vaughan's Seed Store

84-86 Randolph St., CHICAGO. 14 Barclay St., NEW YORK.



MR. EDITUR:

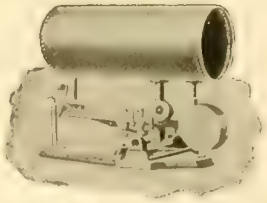
i spect u hev noticed how hot the Wether hes bin fur a spl a long back an wondered wat in —— is the matter with the weather man, so i thot ide gist rite and explain the kaws of this hot time. You see the Boss Chap in the loer regins hear'n tel uv mi Vintilatin fixins an sint tew me fur a hul lot uv em and puttin them in his place hes turned awl his extra heat on tew We uns on the out side and Kooled his place of so that hese rit tew me to send down some uv mi Bilers as Hades was now so Kule the little Imps at times was shiverin. He awl so Wanted a few bushel uv mi new Sash Hinges as the sulfer hed rusted out all the old sort and there want a gate left for the little Divels to swing on.

Now the best think for folks on earth to do is to use mi heatin and Kulein fixings if they want to be comfortable. they don't hev to wate till tha go to Hel to git to use them. tha work just as well on earth. Send tew me for a Katalogue.

Mi name is **J. D. CARMODY,** an I live in
EVANSVILLE, IND., Near Posey Kounty.

GURNEY
HOT WATER HEATERS
STEAM BOILERS
Most Efficient and Economical for Greenhouse Requirements
Send for Latest Catalogues
Gurney Heater Mfg. Co.
188-200 Franklin St., cor. Pearl, Boston.
N. Y. Branch, 111 5th Ave., New York.

Please mention the American Florist when writing.



MOREHEAD
Automatic Return Steam Traps.
W. S. BARNES, Sales Agent,
57 Clifton Ave., CHICAGO.

Convention Report in Next Issue.

DON'T LET YOUR ROSES MILDEW.

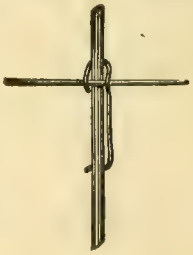
USE THE PEERLESS SULPHUR BLOWER.
EVERY GROWER SHOULD HAVE ONE. Saves time and money. Distributes equally well Lime, Slug Shot, Tobacco Dust, Paris Green or any powder. Circular with testimonials on request.
If your seedsman does not handle it, order direct. Price $4.00 F. O. B. Chicago.
EDW. E. McMORRAN & CO., 15-21 N. Clinton Street, CHICAGO.

The EVERLASTING Stake Fastener.

Made of heavy tinned spring wire, No. 15.
Price..... ...$3.00 per 1000

The EUREKA Stake Fastener.

Made of coppered spring wire, No. 17.
Price.....$1.50 per 1000



Give them a trial. Samples free.
AUGUST CORTS & SON, Wyncote, Pa.
Manufacturers of
PLANT TENDRILS FOR CARNATIONS, ETC.
Awarded certificate of merit by the S. A. F.

CEMENT BENCHES.

PULT PATENT.

Built Under The Pult Patents.

Orders Taken Now. Send exact dimensions of the benches you want to rebuild or put in a new house. Let us figure what we can furnish the bench at. A cement bench lasts a lifetime. Constructed so it can be moved any time anywhere. All work guaranteed.

A SECTION OF THE BENCH WILL BE ON EXHIBITION AT THE CONVENTION.

WM. F. KASTING,

383-387 Ellicott Street,

BUFFALO, N. Y.

THE BEST Bug Killer and Bloom Saver.

For **PROOF** Write to

P. R. PALETHORPE COMPANY,

LOUISVILLE, KY.

"Eureka" Weed Killer.

Saves Weeding. Keeps Paths, etc., clear without disturbing or staining the gravel.

Soluble Powder, readily mixed and applied. Large Size Tin, enough for 100 square yards, 75 cts. each. Special prices to Cemeteries and buyers in large quantities. Full directions with each tin.

Vaughan's Seed Store,

CHICAGO: 84-86 Randolph St. NEW YORK: 14 Barclay St.

Now is the Time

to Subscribe to the

Horticultural Trade Journal

Published weekly. The Largest Brightest, and Best British Trade Publication. Also

THE INTERNATIONAL EDITION

Published quarterly. Annual subscription for weekly and quarterly numbers, One dollar, (International money order). Subscribe to-day and keep in touch with European markets and topics.

THE HORTICULTURAL PRINTING COMPANY, BURNLEY, ENGLAND.

A. HERRMANN,

Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florists' Supplies.

SEND FOR PRICES.

404-412 East 34th St., NEW YORK.

L. BAUMANN & CO.,

Importers and Manufacturers of Florist Supplies

76-78 Wabash Ave., CHICAGO.

Write for our New Catalogue F. Our prices may interest you.

Please mention the American Florist when writing

WILSON'S PLANT OIL.

The best Insecticide and Plant Renovator ever introduced. Positively harmless. Put up in cans and bottles. Send for circular, testimonials and trade price.

ANDREW WILSON, 437 Springfield Ave SUMMIT, N. J.

Wired Toothpicks

10,000, $1.50; 50,000, $6.25. Manufactured by

W. J. COWEE, BERLIN, N. Y.

Sample free. For sale by dealers.

Please mention the American Florist when writing.

REED & KELLER,

122 W. 25th St., NEW YORK.

FLORISTS' SUPPLIES.

We manufacture all our

Metal Designs, Baskets, Wire Work & Novelties

and are dealers in **Glassware, Pottery, Decorative Greens and all Florists' Requisites.**

MICE PROOF SEED CASES.

SEND FOR BOOKLET.

HELLER & CO., Montpelier, O.

GET OUR PRICES ON

Galvanized Wire Rose Stakes and Tying Wire.

IGOE BROTHERS,

Manufacturers of the **Model Plant Supports** for Carnations, Dahlias, Golden Glow, Chrysanthemums and Tomatoes.

63-71 Metropolitan Ave., BROOKLYN, N. Y.

CONVENTION REPORT

AUGUST 25 . . . . Send ADVT. NOW.

The Whilldin Pottery Co.

STANDARD FLOWER POTS

Our output of Flower Pots is larger than any concern in the World
Our Stock is always Large and Complete

Main Office and Factory,

713 WHARTON STREET, PHILADELPHIA

Warehouses: JERSEY CITY, N. J. LONG ISLAND CITY, N. Y.

SYRACUSE RED POTS

They Are Always the Same.

When you order SYRACUSE RED POTS season after season, you always receive the same value. No poor pots are allowed to be shipped from our factory.

SYRACUSE POTTERY CO., Syracuse, N. Y.

STANDARD FLOWER POTS

No Charge for Crates or Packing.

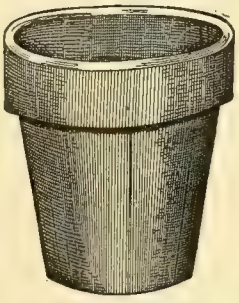
Inches	per 1000	Inches	per 100
1½	$ 2.77	7	$ 4.00
2	3.33	8	6.00
2½	3.88	9	8.88
3	5.27	10	13.33
3½	6.10	12	22.22
4	7.77	14	38.88
4½	10.00	16	66.66
5	13 60	20	each, 1.25
6	22.20		

Azalea Pots and Bulb Pans same as Standard Pots 2 and 2½-in Rose Pots, $3.50 per 1000. These pots are carefully made, very strong and porous. Liberal count is given, thereby protecting our patrons against possible breakage. Above prices subject to 10 per cent. discount for cash.

A. F. KOHR, 1521-23-25 N. Leavitt St, Chicago.

Red Pots.

GOOD, STRONG AND POROUS.



Nearly all Florists use them exclusively in our city.

We are making the best light, porous pot on the market to-day.

We are centrally located and can save you freight rates.

Write us for prices, or will be pleased to send sample by mail. Write us to-day.

For reference any Springfield florist.

The Springfield Clay Mfg. Co. SPRINGFIELD, OHIO.

THE KELLER POTTERY COMPANY,

Manufacturers of FLORISTS' RED STANDARD POTS.

Azalea Pots, Bulb and Fern Pans, Etc.

Write for Price List. 213-15-17-19-21-23 Pearl St., NORRISTOWN, PA.

GEO. KELLER & SON,
MANUFACTURERS OF
FLOWER POTS.
Before buying write for prices.
361-363 Herndon Street, near Wrightwood Ave.,
CHICAGO, ILL.

IONIA POTTERY COMPANY.

If you know of no reason why you have never used IONIA POTS, this should be a sufficient reason why you should use them now.

We never lose a patron because our ware is not the best. 35 years of skilled experience is represented in the making. Let us have your order. We promise entire satisfaction.

A postal will bring our catalogue.

IONIA POTTERY COMPANY, Ionia, Mich.

Kramer's Pot Hangers

For Sale by Wholesale Seedsmen, Florists and Supply Dealers.

Price, $1.00 per dozen by express. Sample dozen by mail, $1.25.

I. N. Kramer & Son, CEDAR RAPIDS, IOWA.

The Advance Ventilating Apparatus

We want to extend to you the "glad hand" at the Dapton, Ohio, Convention, and show you our line of goods. You will readily see by an examination why our line is so popular with florists. Bring the dimensions of your new houses with you and get our estimate.

THE ADVANCE CO.
RICHMOND, IND.

Standard Flower Pots!

Packed in small crates, easy to handle.

	Price per crate		Price per crate
1500 2-in., in crate,	$4 88	120 7-in., in crate,	$4 20
1500 2¼ "	5.25	60 8 "	3.00
1500 2½ "	6.00	HAND MADE.	
1000 3 "	5.00	48 9-in., in crate,	$3.60
800 3½ "	5.80	48 10 "	4.80
500 4 "	4.50	24 11 "	3.60
320 5 "	4 51	24 12 "	4.80
144 6 "	3.16	12 14 "	4.80
		6 16 "	4.50

Seed pans, same price as pots. Send for price list Cylinders for Cut Flowers, Hanging Baskets, Lawn vases, etc. Ten per cent off for cash with order. Address

HILFINGER BROS. POTTERY, Fort Edward, N. Y
or AUGUST ROLKER & SONS, New York Agents, 31 Barclay Street, New York City.

Please mention the American Florist when writing.

Red Standard Flower Pots

Price list and samples on application.

PADUCAH POTTERY CO., Inc.

PADUCAH, KENTUCKY.

Please mention the American Florist when writing.

The Regan Printing House

LARGE RUNS OF

CATALOGUES —OUR— SPECIALTY

WRITE FOR FIGURES.

83-91 Plymouth Place, CHICAGO.

Please mention the American Florist when writing.

THOSE RED POTS

"STANDARDS"

FULL SIZE AND WIDE BOTTOMS.
BULB PANS AND AZALEA POTS.

DETROIT FLOWER POT M'F'Y.

HARRY BALSLEY, Rep. DETROIT, MICH. 490 Howard St.

THE BLACK STUFF FINE TOBACCO

FOR DUSTING IS GROUND VERY FINE FROM THE HEAVY PURE LEAF. LET US TELL YOU ABOUT IT.

THE H. A. STOOTHOFF CO. 116 WEST ST. NEW-YORK

GLASS

BUY ---At once or you will pay more.
FROM US ---As we are Headquarters for Greenhouse sizes.
NOW ---For fall repairs and save money.
DON'T DELAY ---Factories are out of blast for the season.
WRITE TO-DAY ---And get our prices before placing your order.

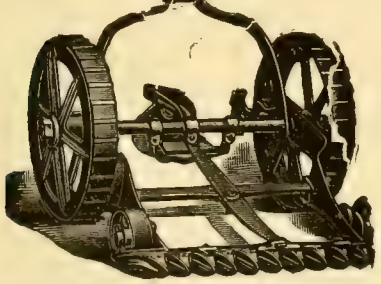
Best Brands. Largest Stock. Fairest Treatment.

Sharp, Partridge & Co.

Call and See Our New Warehouse. **22nd and Lumber Sts., CHICAGO.**

CLIPPER LAWN MOWER CO DIXON ILL.

The Mower that will **kill all the Weeds in your Lawn.** If you keep the weeds cut so they do not go to seed and cut your grass without breaking the small feeders of roots, the grass will become thick and the weeds will disappear.



The Clipper will do it. Ask your dealer for them. If they have not got them, below is the price: No. 1—12-inch Mower, $5; No. 2—15-inch Mower, $6; No. 3—18-inch Mower, $7; No. 4—21-in. Mower, $8. Send draft, money-order or reg. letter.

MASTICA

Trade Mark Registered.

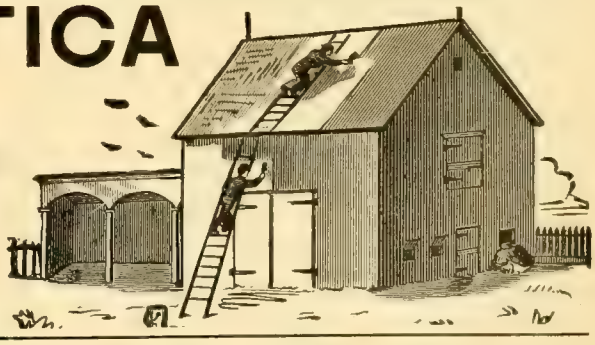
—FOR—

Glazing Greenhouses

Sole Manufacturers

F. O. PIERCE COMPANY
NEW YORK

At All Seed Stores



The James H. Rice Co.

IMPORTERS and JOBBERS

GREENHOUSE GLASS

A SPECIALTY.

Window Glass, Paint, Putty, etc.

Office and Warehouse: Corner of Michigan, St. Clair and Illinois Streets, CHICAGO.

Garman's Antipest

INSECTICIDE AND FUNGICIDE

For the Garden, Orchard and Greenhouse.

Non-poisonous and harmless to vegetation.

Kills Green Fly, Aphides, Bark Lice, Thrip, Mealy Bug, Red Spider, Scale, Wire Worms, Ants and Slugs.

This is the Grower's Friend, handy to use, cheap and effective, mixes readily in water. Destroys all insect pests and keeps down filth. Circulars on application. **$1.50 per gallon.** Also in quarts, half gallons and in bulk.

PERFECTION CHEMICAL CO.,
FLUSHING, N. Y.

Le Journal des Roses.

Organ of the French Rosarians.

Published at Paris. Once a month with colored plates.

Subscription $2.70 per Year. Sample Copies Free.

ADMINISTRATION DU SUISNES **JOURNAL DES ROSES**

a SUISNES, Brie,

a Grisy-Suisnes. (Seine et Marne), FRANCE.

Please mention the American Florist when writing.

SPRAGUE, SMITH CO.

JOBBERS AND MANUFACTURERS OF

Window Glass.

GREENHOUSE GLASS

A SPECIALTY.

167-169 Randolph St., **CHICAGO.**

Please mention the American Florist when writing.

Index to Advertisers.

Adv rates.....150
Advance Co The....190
Allen J K 161
Amling E C.....157
Andorra Nurseries...171
Aschmann Godfrey..187
Atlanta Floral Co...162
Baker Wm J.....153
Baller F A.....173
Barnes W S.....188
Barrows Henry & Son159
Barteldes Seed Co ..154
Barter John 167
Bassett & Washburn 156 180
Batavia Greenhouses173
Bauman L & Co.....189
Bayersdorfer H & Co185
Beaven E A.....155
Beckert W C..... II
Bedfordshire SeedCo165
Benthey-Coatsworth Co.....157
Berckmans P J Co...173
Berger Bros.....153
Bernheimer Eugene.153
Berning H G.....159
Bertermann Bros Co.162
Big Four Route 156
Blanksma Bros.....180
Boddington A T II
Boswell Wm & Co.. II
Brague L B.....155
Braslan Seed Co.....164
Breitmeyer's J Sons.162
Brown Peter.....165
Bruns H N..... II
Buckley W T Co....163
Budlong J A..... 157
Budlong J & Son Co.180
Burpee W A & Co...166
Byer Bros.....178
Caldwell the Woodsman Co.....155
Calhoun W A 176
California Rose Co..171
Carlton H R.....176
Carmody J D.....188
Central Grhs.....180
ChicagoCarnationCo I
Chicago House Wrecking Co.....200
Childs John Lewis...155
Clark Wm.....155
Cleveland Cut Flo Co163
ClipperLawnMower Co.....191
Cochran Mushroom & Spawn Co..... II
Cooke Geo H.....162
Corts Aug & Son....188
Cotsonas Geo & Co..161
Cowee W J.....189
Crabb & Hunter.....180
Craig Robert Co.....176
Creager R E.....154
Cross Eli.....178
Crowl Fern Co.....155
Cunningham Jos H..174
D'Alcorn & Sons.... II
Daniels & Fisher....162
Deamud J B Co.157 182
De Smet Bros.....171
DetroitFloPotMfy...190
Dietsch A Co..... IV
Diller Caskey & Co..200
Dillon J L.....163 185
Dillon Mfg Co.....200
Dingee&ConardCo..171
Donohoe W H.....162
Dorner F & Sons Co. I
Dreer H A.....192
Dreyer R.....178
Dunford J W.....163
Edwards Fold'g Box.199
Elliott Wm H 159
Emmans Geo M.....182
Enterprising Detroit Florists.....183
Eyers H G.....162
Fellouris A J 161
Fischer R.....176
Florists' Hail Ass'n..192
Flower Growers Co..157
Foley John J 187
Foley Mfg Co.....199
Ford Bros.....161
For Sale & Rent.....151
Froment H E 161
Garland Geo M.....200
Giblin & Co..... IV
Globe Eng Co...198 199
Grave E T 180
Gude A & Bro.....162
Gullett W H & Sons.163
Gundestrup K & Co .167
Gurney Heater Co...188
Guttman Alex J.....161
Guttman & Weber..168
Hageman Wm & Co.165
Hagenburger Carl...168
Hamlin John & Co...167
Hansen M A 162
Hart Jas.....161
Hauswirth P J 162
Heller & Co 189
Henshaw A M.....161
Herbert D & Son....182
Herr Albert M.....154
Herrmann A.....189
Hess E L.....164
Hess & Swoboda....162
Hews A H & Co..... .....4th Special Cover
Hilfinger Bros.....190
Hill The E G Co.... I
Hippard E.....200
Hitchings & Co..... IV
Holmes Seed Co II
Holm & Olson.....162
Holton & Hunkel Co.159
Hooker H M Co.....192
Hort Advertiser 199
Hort Trade Journal..189
Humfeld C.....182
Hunt E H.....157 174
Igoe Bros.....189
Ionia Pottery Co 190
Jackman Geo & Son.173
Jackson & PerkinsCo.171
Jacobs S & Sons..... IV
Jensen & Dekema...157
Johnston Heating Co199
Journal des Roses...191
Kasting W F.... I 189
Keller Geo & Son...190
Keller Pottery Co....190
Kellogg Geo M.....162
Kennicott Bros Co..157
Kervan Co The.....161
Kessler P.....161
KingConstructionCo III
Kohr A F 190
Koppelman E L & Co192
Kramer F H.....163
Kramer I N & Son..190
Kroeschell Bros Co. 199
Kuehn C A.....159
Kuhl Geo A.....154
Lager & Hurrell.154 160
Lamborn Floral Co .171
Lange A.....162
Langjahr A H 161
Lecakes N & Co.....161
Leedle Floral Co....173
Livingston Seed Co. 162 169
LocklandLumb'rCo.200
Lord & Burnham Co. .....3rd Special Cover
McConnell Alex.....163
McCullough's J M Sons Co.....159
McKellar Chas W....157
McKissick W E.....159
McMorran Edw E...188
Mayberry & Hoover.162
Metairie Ridge Nursery Co.....171
Mich Cut Flower Ex.155
Mills the Florist.....162
Moninger J C Co....III
Moon The Wm H Co.171
Moore Hentz & Nash.161
Moore Wm J.....153
Morehead Steam Trap Co.....198
Morse C C & Co.....165
Mosbaek L.....185
Murdoch J B & Co ..159
Murray Samuel.....162
NagtaganGardensCo164
Nanz & Neuner.....155
Natl FloBd of Trade.161
N Y Cut Flower Ex .161
Niessen Leo Co .159 181
Niuffer C M.....171
Olbertz J.....159
Pacific Seed Co.....164
Paducah Pottery 190
Palethorpe P R Co..189
Palmer W J & Son..162
Park Floral Co.....162
Pennock S S.....159 178
Perfection Chem Co.191
Perry's Hardy Plant Farms.....187
Peterson J A 176
Peterson Nurs ..171 173
Phila Wholesale Flower Market....153
Pierce F O & Co 191
Pierson F R Co....I 165
Pierson U Bar Co....200
PittsburgCut Flo Co .159
Pittsburg Florist Ex .159
Pollworth C C Co....162
Poehlmann Bros Co 157 187
Quaker City Machine Works.....200
Randall A L Co 163
Rawson W W & Co.. II
Raynor J I.....161
ReadyRefer'nceAdv.193
Reed & Keller.....189
Regan Print House..190
Reid Edw.....158
Reinberg Peter..... .....157 175 180
Rice Bros.....155
Rice James H Co....191
Rice M & Co.....153
Robinson H M & Co.155
Roehrs Julius Co.....171
Sabransky W.....178
Sander & Son 160
Scheiden & Schoos..178
Schillo Adam.....192
Schultheis Anton....168
Schulz Jacob 163
Scott John.....185
Seekins W W 162
Seligman Jno.....161
SharpPartridge&Co.191
Sheridan W F.....161
Sinner Bros. 157
Situations & Wants..151
Skidelsky S S.....154
Smith Nathan & Son.176
Smith W & T Co.... I
Smits Jacs.....173
Southern Floral Nursery Co.....171
Sprague Smith Co...191
Springfield Clay Mfg Co.....190
Standard Pump & Engine Co..... IV
Stearns Lumber Co..200
Stenzel Glass Co....192
Stern J & Co.....199
Stokes Seed Store...164
Stoothoff H A & Co.190
Storrs & Harrison Co171
Styer J J..... II
Sunnyside Grhs.....154
Syracuse Pottery Co.190
Taylor F G Seed Co. II
Teas E Y.....173
Thompson J D Carnation Co..... I
Thorburn J M & Co. II
Totty Chas H 161
Traendley & Schenck161
United States Cut Flower Co.....187
VanHoutte PereSons154
Van Meerbeek & Co.167
Vaughan & Sperry... ..... 157 174
Vaughan's Seed Store 165 169 174 182 187 189 2nd Special Cover I II
Vick's Sons Jas II
Vincent R Jr & Son..185
Virgin U J.....162
Waldeck Bros.....156
Weathered & Co 200
Weber F C.....162
Weber H & Sons178 180
Weeber & Don..... II
Weiland & Risch....157
Welch Bros.....159
WheadonE H & Sons.164
Whilldin Pot Co.... 190
Wietor Bros.....157 177
Wild Gilbert H.....173
WildBro Nursery Co 171
Williams Eva S. 171
Wilson Andrew 189
Wilson Robt G.....162
Winandy Bros 198
WintersonE F Co....179
WittboldGeo Co.157 168
Wolf A Q & Bro.....192
Wood Bros.....163
Wrede H..... II
Yalaha Cons'vat'ries154
Young A L & Co....161
Young Thos.....161
Zech & Mann.....157
Zirngiebel Augustus.167
Zvolanek Anton C...165

H. M. HOOKER CO.

Window Glass, Paints and Putty.
Greenhouse Glass a Specialty.

59 W. Randolph St., CHICAGO.

Please mention the American Florist when writing.

STENZEL GLASS CO.,

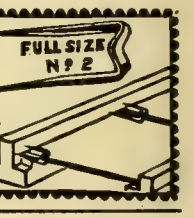
GREENHOUSE GLASS.

French and American "WHITE ROSE" Brand.

2 Hudson St., NEW YORK.

Please mention the American Florist when writing

Holds Glass Firmly
See the Point of
PEERLESS
Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
HENRY A. DREER, 714 Chestnut St., Phila., Pa.



—THE—

Florists' Hail Association

Insures over 23,000,000 square feet of glass. for particulars address

JOHN G. ESLER, Sec'y, SADDLE RIVER, N. J.

PAID UP....

Subscriptions Show That Readers Like the Paper.

Tobacco Dust

FOR FUMIGATING.

It would pay large users of dust to communicate with us and get samples and prices.

Edwin L. Koppelman & Co., 81 PINE STREET, NEW YORK.

Please mention the American Florist when writing.

LUMBER

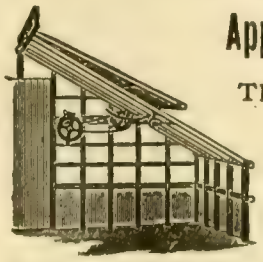
for Greenhouse Benches, Ship Lap, Drop Siding, Sheathing, Flooring, White Cedar Posts, Etc.

We are in special position to furnish **"PECKY CYPRESS"** everything in **PINE** and **HEMLOCK BUILDING LUMBER.** WRITE FOR PRICES.

Adam Schillo Lumber Co. Cor. Weed and Hawthorn St., **CHICAGO.** Tel. North 1626 and 1627.

Please mention the American Florist when writing.

The Wolf Roller Bearing Pipe and Improved Cable Ventilating Apparatus and Dump Sieve Soil Machines.



The most up-to-date and practical machines on the market. All on exhibition at Dayton, S. A. F. Convention.

SEND FOR NEW 1907 CATALOGUE.

A. Q. WOLF & BRO., Dayton, Ohio.

Ready Reference Advertising.

ADVERTISEMENTS IN THIS DEPARTMENT 10 CENTS PER LINE, CASH WITH ORDER. COPY MUST REACH US MONDAY OF THE WEEK IN WHICH IT IS TO APPEAR

ALTERNANTHERAS.

Alternantheras, red and yellow, $2 per 100; $15 per 1,000. R. Vincent, Jr. & Son, White Marsh, Md.

AMPELOPSIS.

Ampelopsis, best vars. Jackson & Perkins, Newark, N. Y.

ANTHERICUM.

Anthericum, var., $150 per doz.; $12 per 100. A. Schultheis, 19th and 4th Ave., College Point, N. Y.

ARAUCARIAS.

Araucaria Excelsa, 5-in., 10 ins., 3 whls., 60c each; $6 per doz. 5-in., 12 to 14 ins., 3 to 4 whls., 75c each; $9 per doz. 6-in., 16 ins., 4 whls., $1 each; $12 per doz. 6-in., 18 ins., 4 whls., $1.25 each; $15 per doz. 7-in., 22 ins., 5 whls., $1.50 each; $18 per doz. Glauca, 5-in., 12 ins., 3 whls., $1 each; $12 per doz. 6-in., 13 to 15 ins., 3 to 4 whls., $1.25 each; $15 per doz. 7-in., 18 to 20 ins., 4 to 5 whls., $1.50 each; $18 per doz. 7-in., 22 to 24 ins., 4 to 5 whls., $2 each; $24 per doz. 9-in., 30 ins., 4 to 5 whls., $3 each. 9-in., 34 ins., 5 whls., $4 each. Robusta Com., 5-in., 10 ins., 2 whls., $1 each; $12 per doz. 6-in., 12 ins., 2 to 3 whls., $1.50 each; $18 per doz. 7-in., 28 ins., 5 whls., $3 each. 8-in., 32 ins., 5 to 6 whls., $4 each. Vaughan's Seed Store, Chicago and New York.

Araucarias, Excelsa, 12 to 14 ins., 5½-in. pots, 3 to 4 trs., 2-yr., 50c; 14 to 16 ins., 5½-in. pots, 3 to 4 trs., 2-yr., 60c; 16 to 18 ins., 5½ to 6-in. pots, 4 to 5 trs., 3-year, 75c; 18 to 20 ins., 6-in. pots, 5 to 6 trs., 4-yr., $1; 20 to 24 ins., 6-in. pots, 5 to 6 trs., 4-yr., $1.25; 36 to 50 ins., Specimen, 7-in. pots, 5 to 6 trs., 6-yr., $2.50 to $3. A. Compacta Robusta, 12 to 20 ins. high, 3 to 4 trs. 20 to 30 ins., 4 to 5-yr., 6 to 7-in., $1.25, $1.50, $1.75, $2 up to $3 each. A. Excelsa Glauca, 6 to 7-in. pots, 3, 4 and 5 trs., 15 to 25 ins., $1.25, $1.50, $1.75, $2, $2.50 each. G. Aschmann, 1012 Ontario St., Philadelphia.

Araucaria Excelsa, 4-in., 2 to 3 trs., 35c each; $4 per doz.; 5-in., 3 trs., 75c each; $9 per doz.; 6-in., 3 to 4 trs., $1 each; $12 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Araucaria Exc., 50c to $2.50 each; also by 100. A. Schultheis, 19th and 4th Ave., College Point, N. Y.

Araucaria Excelsa. R. Dreyer, Woodside, L. I., N. Y.

Araucarias. L. Van Houtte Pere, Ghent, Belgium.

ASPARAGUS.

Asparagus plumosus, 2-in., $3 per 100; 3-in., $6. Sprengeri, 2-in., $3 per 100; 3-in., $6; 4-in., $1.25 per doz.; 5-in., $2. Scandens Deft, 3-in., $1.50 per doz.; 4-in., $2 per doz. George Wittbold Co., 1657 Buckingham Pl., Chicago.

Asparagus plumosus, 2-in., $3 per 100; $25 per 1,000. 2½-in., $4 per 100; $40 per 1,000. 3-in., $7 per 100; $65 per 1,000. Strong seedlings, $1.50 per 100; $12 per 1,000. Vaughan's Seed Store, Chicago and New York.

Asparagus plumosus nanus, 2¼-in., $2 per 100; seedlings, $1 per 100; $9 per 1,000, or will exchange for some white carnations from field. H. L. Lauscher, Knoxville, Tenn.

Asparagus plumosus and Sprengeri, 2-in., $3 per 100; $25 per 1,000; from bench, $2.50 per 100; $20 per 1,000. Wm. Clark, Colorado Springs, Col.

Asparagus plumosus, 3½-in., $1.25 per doz.; per 100, $9; 4-in., $2 per doz.; 4½-in., $3 per doz. A. Schultheis, 19th and 4th Ave., College Point, N. Y.

Asparagus plumosus, 3-in., 6c; 4-in., 10c. G. Aschmann, 1012 Ontario St., Philadelphia.

Asparagus plumosus and Sprengeri, 4-in., $10; 3-in., $5; 2½-in., $2.50 per 100; $20 per 1,000. Seedlings, $10 per 1,000. Ludvig Mosbaek, Onarga, Ill.

Asparagus plumosus, from flats, $6 per 1,000; 3-in., $18 per 1,000. Sprengeri, from flats, $6 per 1,000. Yalaha Conservatories, Yalaha, Fla.

Asparagus plumosus, 2¼-in., $3 per 100. John Scott, Rutland Rd. and 45th St., Brooklyn, N. Y.

Asparagus plumosus, from 2¼-in., $2 per 100. W. T. Buckley Co., Springfield, Ill.

Asparagus plumosus, 2½-in., $2 per 100. Jos. H. Cunningham, Delaware, O.

Asparagus plumosus and Sprengeri, 2-in., 2c. Byer Bros., Chambersburg, Pa.

Asparagus Robustus, $3.50 per 100; $30 per 1,000. Sprengeri, from rose pots, $1.50 per 100; $12.50 per 1,000; seconds, $1 per 100. Plumosus, $2 per 100. A. M. Herr, Lancaster, Pa.

Asparagus Sprengeri plants, just as they come from the flats, $1 per 100; $8 per 1,000 plants; also from 2¼-in. pots, $2 per 100. B. H. Haverland, Pleasant Run, Ohio.

Asparagus Sprengeri, 2-in., $2.20 per 100; $18 per 1,000. Plumosus, 2-in., $2.50 per 100; $22 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Asparagus Sprengeri, 2-in., $20 per 1,000. Plumosus, 2½-in., $30 per 1,000. E. G. Hill Co., Richmond, Ind.

Asparagus Sprengeri, 2-in., $2.50 per 100; plumosus, 2-in., $3 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus, Sprengeri and plumosus, 2½-in. Waldeck Bros., 1218 Oakton St., Evanston, Ill.

ASPIDISTRA.

Aspidistra, 5½-in., 8 lvs., $9 per doz.; 6½-in., 15 to 25 lvs., $1.50 and $2 each. A. Schultheis, 19th and 4th Ave., College Point, N. Y.

AZALEAS.

Azaleas. L. Van Houtte Pere, Ghent, Belgium.

Azaleas, Jacs Smits, Ltd., Naarden, Holland.

BAY TREES.

Bay trees, pyramids, 55 to 60 ins., $14 per pair; 65 to 70 ins., $15 per pair. A. Schultheis, 19th and 4th Ave., College Point, N. Y.

Bay trees, standards and pyramids. Julius Roehrs Co., Rutherford, N. J.

Bay trees, standard and pyramids. De Smet Bros., Ghent, Belgium.

Bay trees, fine stock. R. Dreyer, Woodside, L. I., N. Y.

Bay trees. L. Van Houtte Pere, Ghent, Belgium.

BEGONIAS.

Begonia Gloire de Lorraine, and Turnford Hall, leaf cuttings, $15 per 100; $140 per 1,000; 4-in., pots, $40 per 100. J. A. Peterson, McHenry Ave., Westwood, Cincinnati, O.

Begonia Rex, 4-in., $1.50 per doz.; select, $2 per doz. A. Schultheis, 19th and 4th Av., College Point, N. Y.

Begonia Rex, 2 and 2½-in., $5 per 100. Geo. M. Emmans, Newton, N. J.

Begonias, all varieties. Geo. A. Kuhl, Pekin, Ill.

Begonias. L. Van Houtte Pere, Ghent, Belgium.

BOUVARDIAS.

Bouvardias, pink and white, $8 per 100. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Bouvardias, Nanz & Neuner, Louisville, Ky.

BOXWOOD.

Boxwood, pyramids, $2 to $2.50 per pair. A. Schultheis, 19th and 4th Ave., College Point, N. Y.

BULBS, ROOTS, TUBERS.

Bulbs, Callas, 1¼ to 1½ in., $5 per 100; $45 per 1,000; 1½ to 2 in., $7 per 100; $65 per 1,000, Roman Hyacinths, Paper Whites and freesias. Vaughan's Seed Store, Chicago and New York.

Bulbs, Narcissus Paper White Grand., 13 cm. and up, 1,250 to case, $11.25 per case; $1 per 100. White Roman hyacinths, 12 to 15 cm., 1,800 to case, $2.50 per 100; $23 per 1,000. Freesia Refracta alba, ½-in. up, $7.50 per 1,000. Bermuda Buttercup Oxalis, $1 per 100; $7.50 per 1,000. Lilium Harrisii, 6 to 7 in. bulbs, 335 to case, $13.50 per case; $5 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Bulbs, 1st size named single hyacinths, $5.50 per 100; 2nd size, $4 per 100; single unnamed, $2.25 per 100. Mammoth freesias, Refracta Alba, $8.50 per 1,000; Selected, $4.50 per 1,000. Holmes Seed Co., Harrisburg, Pa.

Bulbs, Benguet forcing lily (L. Philippinensis), ¾ to 1-in., $45; 1¼ to 1½-in., $55; 1¾-in. and over $100 per 1,000, f. o. b. Manila. Mail samples, prepaid, $2, $3 and $5 per doz. Nagtagan Gardens Co., Manila, P. I.

Bulbs, home-grown freesias, large size, $1 per 100; $7 per 1000; blooming size, 75c per 100; $4.50 per 1,000; small blooming size, 50c per 100; $3.50 per 1,000. Stokes Seed Store, 219 Market St., Philadelphia.

Bulbs, freesias, postpaid, 1,700 ⅜ to ½-in., 40c per 100; $2.50 per 1,000; ¼-in., nearly ⅜, 20c per 100; $1 per 1,000. 250 at 1,000 rates. John Beimford, Wilton Junction, Iowa.

Bulbs, Narcissus, dbl. Von Sion, $4.80 per 1,000; Golden Spur, $8.50 per 1,000; Emperor, $6.65 per 1,000. Tulips, gladioli, freesias, etc. E. H. Wheadon & Sons, Guernsey.

Roots, Eremurus Robustus, $25, $37.50, $50 per 100. E. Bungei, $12 per doz. Perry's Hardy Plant Farm, Winchmore Hill, London, Eng.

Bulbs, L. Harrisii, R. hyacinths. P. W. narcissus, freesias. Weeber & Don, 114 Chambers St., New York.

Bulbs, P. W. Narcissus, 13 ctm., $1.25 per 100. Jos. H. Cunningham, Delaware, O.

Bulbs, tulips, daffodils, iris, gladioli, lilies, montbretia. Van Meerbeek & Co., Hillegom, Holland.

Bulbs of all kinds. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs of all kinds. Currie Bros. Co., 308 Broadway, Milwaukee, Wis.

Bulbs of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Bulbs, all kinds. Wm. Hagemann & Co., 55 Dey St., New York.

Bulbs of all kinds. D'Alcorn & Sons, Portsmouth, Va.

Caladiums. John Lewis Childs, Floral Park, L. I., N. Y.

Cannas, 5 vars., field-grown clump, $15 per 100. Jos. H. Cunningham, Delaware, O.

Cannas of all vars. Dingee & Conard Co., West Grove, Pa.

Cannas. Nathan Smith & Son, Adrian, Mich.

Iris, German, mixed vars., $2 per 100. James Vick's Sons, Rochester, N. Y.

Lily of the Valley, finest cold storage pips. H. N. Bruns, 1409-1411 W. Madison St., Chicago.

Lily of the Valley. Jacs Smits, Ltd., Naarden, Holland.

If you do not find what you need in our Ready Reference Department, write us about it.

CACTI.

Cacti. All the Mexican varieties are sold by J. Balme & Co., Mexico City, P. O. Box 628. Illustrated and descriptive culture catalogue sent at receipt of 10c in postage stamps. Price list free.

CARNATIONS.

CARNATIONS.

	100	1,000		100	1000
Pink.			White.		
Fiancee	$6		B. Market	$5	$45
Lawson	6	$50	F. Burki	7	60
N. Fisher	7	60	F. Hill	5	45
G. Angel	4	35	W. Cloud	5	45
M. Glory	4	35	Red and Crimson.		
White.			Chicago	$5	$45
L. Peary	8	75	H'warden	6	50

Wietor Bros., 51 Wabash Ave., Chicago.

Carnations, field-grown, L. Bountiful, Lieut. Peary, W. Lawson, Fiancee, Cardinal R. Lawson, Skyrocket, V. Lawson, $7 per 100; $60 per 1,000. Mrs. Lawson, Mrs. Patten, $6 per 100; $50 per 1,000. Glendale, Daybreak Lawson or Melody, $12 per 100; $100 per 1,000. Prosperity, Harlowarden, $5 per 100; $40 per 1,000. Chicago Carnation Co., Joliet, Ill.

Carnations, Lawson, B. Market, $5 per 100; $40 per 1,000. Nelson F. Hill, Sports, Ine, $4 per 100; $30 per 1,000. Enchantress, $6 per 100; $55 per 1,000. W. Cloud, $4 per 100; $35 per 1,000. Harlowarden, $5 per 100; $45 per 1,000. Crusader, $6 per 100; $50 per 1,000. Scheiden & Schoos, Asbury and Warren, Evanston, Ill.

Carnations, field-grown Flamingo, 1st size, 6c; 2nd size, 5c. Glendale, Robert Craig, Victory, 1st size, 12c; 2nd size, 10c. Helen Goddard, John E. Haines, Pink Patten, 1st size, 12c. Nelson Fisher, 1st size, 7c; 2nd size, 6c. The Belle, 1st size, 8c; 2nd size, 6c. Mrs. Lawson, 1st size, 6c. Vaughan's Seed Store, Chicago and New York.

Carnations, field-grown, Mrs. T. Lawson, $5 per 100; $45 per 1,000. W. Lawson, $6 per 100; $50 per 1,000. Wollcott, Prosperity, The Belle, Red Sport of Maceo, Queen, Patten, Elsie Martin, Harlowarden, Fiancee, $4 per 100; $35 per 1,000. Bountiful, Phyllis, $4 per 100. Poehlmann Bros. Co., Morton Grove, Ill.

Carnations, field-grown, Lady Bountiful, Flamingo, Butter Cup, $7 per 100. Enchantress, Cardinal, Lawson, Roosevelt, Queen, M. A. Patten, $6 per 100. Queen Louise, F. Hill, J. H. Manley, Portia, Prosperity, Eldorado, Crocker, Dorothy, $5 per 100. J. L. Dillon, Bloomsburg, Pa.

Carnations, Lawson, F. Hill, $5 per 100; $45 per 1,000. B. Market, $6 per 100; $50 per 1,000. Crusader, $7 per 100. M. Glory, Norway, Prosperity, $5 per 100; $40 per 1,000. G. Angel, Peru, Glacier, $4.50 per 100; $40 per 1,000. Crabb & Hunter, Grand Rapids, Mich.

Carnations, Enchantress, Flamingo, $5.50 per 100; $50 per 1,000. N. Fisher, $6 per 100; $55 per 1,000. Prosperity, Harlowarden, Crane, $5 per 100; $45 per 1,000. M. Glory, Pink Lawson, Glacier, $4.50 per 100; $40 per 1,000. Blanksma Bros., R. F. D. 11, Grand Rapids, Mich.

Carnations, Bountiful, $6 per 100; $55 per 1,000. Glacier, $5 per 100; $45 per 1,000. Mrs. T. Lawson, $5 per 100; $40 per 1,000. Enchantress, Flamingo, The President, D. Whitney, Eclipse, F. Burki, Fiancee, $6 per 100; $50 per 1,000. Eli Cross, Grand Rapids, Mich.

Carnations, field-grown, good, healthy stock, high land grown, Lawson, Prosperity, Enchantress, Queen Louise, Boston Market, Lady Bountiful, Joost, Crane, Estelle, Apollo. Thos. Salveson, Petersburg, Ill.

Carnations, field-grown plants, strong, clean stock, ready to ship. Lawson, Enchantress, Queen, Boston Market, Flora Hill, G. Lord, $5 per 100; $45 per 1,000. Cash. Holton & Hunkel, Milwaukee, Wis.

Carnations, field-grown, 125 Lawson, 45 Bountiful, 115 Q. Louise, 19 Mrs. Patten, 50 Boston Market, 95 Glazier, 25 red, name not known, 45 No. 15 pink. John Belmford, Wilton Junction, Iowa.

Carnations. I have left 100 Enchantress at $5. 150 Pink Lawson, $4 per 100. All good healthy field-grown stock. Cash with order. L. Biermann, Elmhurst, Ill.

Carnations, Lawson, Enchantress, Gov. Wollcott, Estelle, $65 per 100. B. Market, Norway, Hill, Lord, Lawson, $5 per 100; 1,000 rates $45 and $55. W. H. Gullett & Sons, Lincoln, Ill.

Carnations, field-grown, No. 1 stocky plants, 800 Lawson, 300 Mrs. Nelson, 1,000 Harlowarden, 1,000 Joost, 500 Norway, $5 per 100. William L. Rock Flower Co., Kansas City, Mo.

Carnations, field-grown, W. Lawson, $6 per 100. Roosevelt, Harlowarden, Q. Louise, Crisis, Flamingo, F. Burki Eclipse, $5 per 100; $45 per 1,000. W. Sabransky, Kenton, O.

Carnations, extra quality field-grown, Queen Louise and Pink Lawson, our specialty. Large, healthy plants, $5 per 100; $45 per 1,000. A. T. Lorch & Co., DeHaven, Pa.

Carnations, Lawson, Harlowarden, $6 per 100. W. Cloud, Prosperity, Q. Louise, Crocker, Joost, $5 per 100. B. Market, $5.50 per 100. United States Cut Flower Co., Elmira, N. Y.

Carnations, bushy, field-grown, Enchantress, Q. Louise, Belle, Lawson, Queen, Crisis, packed in moss, $5 per 100. George Roy & Son, Belvidere, N. J.

Carnation plants from field for August delivery; Robert Craig, Mrs. M. A. Patten, Enchantress and Boston Market. J. D. Thompson Carnation Co., Joliet, Ill.

Carnations, Abundance, field-grown, 1st size, $12 per 100; $100 per 1,000; 2nd size, $10 per 100; $75 per 1,000. R. Fischer, Great Neck, L. I., N. Y.

Carnations, field-grown, not stunted by the drought. Write for prices on standard and new varieties. A. C. Canfield, Springfield, Ill.

Carnations, Enchantress, Patten and Nelson Fisher the three leaders. Write at once. Isaac A. Passmore, West Chester, Pa.

Carnations, White Perfection, $12 per 100; $100 per 1,000; 50 at 100 rate; 250 at 1,000 rate. F. Dorner & Sons Co., La Fayette, Ind.

Carnations, strong field plants, Lawson, Enchantress, Queen, $5 per 100. D. W. Andrews, 76 Carmel St., New Haven, Conn.

Carnation Victory, field-grown, 1st size, $15 per 100; 2nd size, $12; 3rd size, $10. Guttman & Weber, 43 W. 28th St., New York.

Carnations, Enchantress, Lawson, Q. Louise, $5 per 100. Pittsburg Florists' Exchange, 228 Diamond St., Pittsburg, Pa.

Carnations, White Cloud, Ine, Sport, F. Hill, $3 per 100; $25 per 1,000. Waldeck Bros., 1218 Oakton St., Evanston, Ill.

Carnations, Enchantress, $6. Lawson, Lord, Q. Louise, Estelle, $5. Central Greenhouses, Sandusky, O.

Carnations, Lawson's mixed, Enchantress, 3c. John J. Foley, 226 Bowery, New York.

Carnation Mabelle, $12 per 100; $100 per 1,000. H. Weber & Sons Co., Oakland, Md.

Carnations, field-grown, standard vars. Leo. Niessen Co., 1217 Arch St., Philadelphia.

Carnations, Queen Louise, $4 per 100. Jos. H. Cunningham, Delaware, O.

Carnations, field-grown. J. A. Budlong & Son Co., Aubuurn, R. I.

Carnation Bertha Rath. R. Dreyer, Woodside, L. I., N. Y.

Carnations, field-grown. Nanz & Neuner, Louisville, Ky.

Carnations, for fall delivery. Wood Bros., Fishkill, N. Y.

Carnations, field-grown. E. T. Grave, Richmond, Ind.

Carnations, field-grown. H. Weber & Sons Co., Oakland, Md.

Carnations, Nathan Smith & Son, Adrian, Mich.

CALADIUMS.

Caladiums, fancy leaved. Geo. A. Kuhl, Pekin, Ill.

CHRYSANTHEMUMS.

Chrysanthemums, 2-in., $2 per 100; $18 per 1,000. C. Humfeld, Clay Center, Kan.

LAST CALL FOR MUMS.
2-in. Stock.

100 Balfour, per 100, $2; 250 Duckham, $2; 500 McNewell, $2; 200 Dr. Enquehard, $2; 200 V.—Morrell, $2; 200 P. Plumridge, $3; 150 Appleton, $2; 500 Oct. Sunshine, $2; 200 Harrison Dick, $2; 100 M. Bonnaffon, $2; 200 Roi de Italia, $2; 100 Monrovia, $2; 300 Y. Mayflower, $2; 100 Omega, $2; 200 Y. Jones, $2; 100 G. Wedding, $2; 200 W. Mayflower, $2; 50 Wanamaker, $2; 200 Robinson, $2; 300 C. Touset, $5; 400 Chadwick, $3; 200 Lilly Mountiford, $2; 200 Kalb, $2; 100 Black Hawk, $2; 200 Intensity, $2; 400 Oakland, $2. Wietor Bros., 51 Wabash Ave., Chicago.

Chrysanthemums, G. of Pacific, Polly Rose, Soleil d'October, Robinson, Ivory, Appleton, Pink Ivory, $3 per 100. J. Jones, Mrs. Robt. McArthur, Mrs. Coombes, G. Wedding, Yellow Eaton, Monrovia, $4 per 100. Lady Roberts, A. J. Balfour, Wm. H. Chadwick, $6 per per 100. Glenview, $25 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Chrysanthemums. Time yet to secure a crop of Xmas bloom; also a crop of dollars by planting the queen of late 'mums, Jeanne Nonin. Only a few thousand left of our immense stock, 4-in., 10c; 2½-in., 5c; R. C., 3c, and going fast. W. J. Olds, Union City, Pa.

Chrysanthemums. Our 4-in. Nonin, planted now, will make you $1 to $2 worth of bloom each for Christmas. Sure crop and sure money. 4-in., 10c; 2½-in., 5c; R. C., 3c. Union City Greenhouses, Union City, Pa.

Chrysanthemums, from 2½-in. pots, G. Pacific, Polly Rose, Halliday, J. K. Shaw, O. P. Bassett, Dr. Enguehard, Mrs. Coombes, $2 per 100. Henry F. Piggott, 2311 Pearl St., Cleveland, O.

Chrysanthemums, 5,000 best sort, 2½-in. pot plants. Benj. Connell, West Grove, Pa.

Chrysanthemums, 2½c each. J. J. Foley, 226 Bowery, N. Y.

Chrysanthemum novelties. Chas. H. Totty, Madison, N. J.

Chrysanthemums. Wood Bros., Fishkill, N. Y.

CINERARIAS.

Cinerarias, $2 per 100. Jos. H. Cunningham, Delaware, O.

Cinerarias. Geo. A. Kuhl, Pekin, Ill.

CLEMATIS.

Clematis. Jackson & Perkins, Newark, N. Y.

COBOEA.

Coboea Scandens, 4-in., $8 per 100. Godfrey Aschmann, 1012 Ontario St., Philadelphia, Pa.

CROTONS.

Crotons, 4-in., $3 per doz. A. Schultheis, 19th and 4th Ave., College Point, N. Y.

CYCLAMENS.

Cyclamen. Geo. A. Kuhl, Pekin, Ill.

DAHLIAS.

Dahlias, Improved Countess of Lonsdale, cactus type, 6 for $1; $1.75 per doz., $12 per 100. Arthur T. Boddington, 342 W. 14th St., New York.

Dahlia roots. R. Vincent, Jr. & Son, White Marsh, Md.

DAISIES.

Daises, white and yellow, $1 per 100; $8 per 1,000. C. Humfeld, Clay Center, Kan.

Daisies, 6-in., $6 per doz. A. Schultheis, 19th and 4th Ave., College Point, N. Y.

DEUTZIAS.

Deutzias, in variety. W. & T. Smith Co., Geneva, N. Y.

DRACAENAS.

Dracæna Ter., 4-in., $3 per doz.; 5-in., $5; 6-in., $9. D. fragans, 5-in., $4 per doz.; 6-in., $6 to $9; 7-in., $18; 8-in., $24. A. Schultheis, 19th and 4th Ave., College Point, N. Y.

Dracaena Ind., 3-in., $5 per 100. Ludvig Mosbaek, Onarga, Ill.

If you do not find what you need in our Ready Reference Department, write us about it.

Dracæna fragrans, 5-in., 50c each; $5 per doz.; D. indivisa, 2-in., $2.50 per 100; 6-in., 20 to 26 ins., 50c each; $5 per doz.; 7-in., 30 to 34 ins., 75c each; $9 per doz. D. Mass., 8-in., $2 each; 9-in., $3 each. D. Ter., 4-in., 25c each; $3 per dozen; 5-in., 35c each; $4.20 per dozen. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Dracaena indivisa, 4 and 5 in., $10 and $25 per 100. Geo. M. Emmans, Newton, N. J.

Dracaenas, John Lewis Childs, Floral Park, L. I., N. Y.

FARFUGIUMS.

Farfugium Grande, 3½-in., $10 per 100; 5-in., $15 per 100. Nanz & Neuner, Louisville, Ky.

FERNS.

Ferns, Boston, 2½-in., 60c per doz.; $5 per 100. 3-in., $1.50 per doz.; $10 per 100. 4-in., $2.50 per doz.; $20 per 100. 5-in., 50c each; $5 per doz.; $40 per 100. 6-in. pans, 75c each; $8 per doz.; $60 per 100. 7-in., $1 each; $10 per doz.; $75 per 100. 8-in., $1.50 each, $15 per doz. 9-in., $2 to $2.50 each. 10-in., $3 to $3.50 each. 12-in., $4 to $5 each. N. Elegantissima, 2½-in., $1.25 per doz.; $10 per 100. 3-in., $1.75 per doz.; $10 per 100. 4-in., $3.50 per doz.; $25 per 100. 5-in., 75c each; $9 per doz.; $65 per 100. 6-in., $1 each; $12 per doz. 7-in., $1.50 each; $18 per doz. 8-in., $2 each; $24 per doz. N. Scottii, 2½-in., 60c per doz.; $5 per 100. 3-in., $1.25 per doz.; $10 per 100. 5-in., $5 per doz.; $40 per 100. 6-in., 75c each; $8 per doz. Ferns for dishes, asst., 2¼-in., $3 per 100; $25 per 1,000. Vaughan's Seed Store, Chicago and New York.

Ferns, prepaid, Boston, 4-in., 18c; 5-in., 30c; 6-in., 45c; 8-in., $1.25; 10-in., $1.75; Pierson fern, 4-in., 20c; 5-in., 35c; 6-in., 50c; 8-in., $1.50; 10-in., $2 each. Anna Foster, same prices as Pierson fern. N. Wittboldi and N. Washingtoniensis, 2½-in., 6c; 3-in., 12c; 4-in., 25c; 6-in., 50c; 8-in., $2 each. N. Barrowsii, 2½-in., 8c; 3-in., 25c; 4-in., 40c; 6-in., 75c; 8-in., $2.50; 10-in., $4 each. N. Whitmani, 2½-in., 25c; 4-in., 60c; 6-in., $1.25 each. N. Elegantissima, 2½-in., 8c each. B. N. Wichers & Co., Gretna, La.

Ferns, Bird's Nest, 6½-in., $1.50 each; $18 per doz. Piersoni, 5½-in., $9 per doz. N. Elegantissima, 4½-in., $4 per doz.; $30 per 100. Boston, 5-in., $3 per doz.; 6-in., $6 per doz.; 7-in., $12 per doz.; specimens, 9-in., $3 each. Scottii, 5-in., $3 per doz.; 5½-in., $5 per doz.; 6½-in., $8 per doz.; 10-in., pans, 250; each. Fern Balls, $9 per doz. Johnsonii, 6-in., $9 per doz. A. Schultheis, 19th and 4th Ave., College Point, N. Y.

Ferns, Adiantum Capillus, 5-in., $2 per doz. Boston, 4-in., $1.50 per doz.; 5-in., $3; 6-in., $4.20; 6-in., strong, $6; 7-in., $9. Large specimens, $1.50, $2, $3 each. Assorted ferns for dishes, $3 per 100; $25 per 1,000. Scottii, 10-in., $2 each. Fern Balls, 7 to 9 dormant or in leaf, $4.20 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Ferns, Anna Foster, Boston, Piersoni and Sword, 6-in., $30 per 100; $4 per doz.; 4-in., $15; 3-in., $8. Elegantissima, 4-in., $50; 3-in., $20; 2¼-in., $12 per 100. Boston and Piersoni runners, $30 per 1,000. Ludvig Mosbaek, Onarga, Ill.

Ferns, Anna Foster, Boston, Piersoni and Sword, 6-in., $40 per 100; $6 per doz. 4-in., $15; 3-in., $8. Elegantissima, 4-in., $50; 3-in., $20; 2¼-in., $12 per 100. Boston and Piersoni runners, $30 per 1,000. Ludvig Mosbaek, Onarga, Ill.

Ferns, N. Barrowsii, 6-in., 50c; 4-in., 25c. Scottii, 6-in., 50c; 5½-in., 40c; 5-in., 35c; 4-in., 20c to 25c. Boston, 4-in., 20c to 25c. Ferns for dishes, 2½-in., $5 per 100; 3-in., 7c. G. Aschmann, 1012 Ontario St., Philadelphia.

Ferns, Boston, true type, fine 3-in. plants ready for shift, $8 per 100. Nephrolepis Cordata Compacta, 6-in., 25c; 5-in., 15c each. Cash from unknown correspondents. James Truitt & Sons, Chanute, Kas.

Ferns, 5-in., $30 per 100; 6-in., $45 per 100; 7-in., $60 per 100; 8-in., $12 per doz.; 9-in., $18 per doz. E. F. Winterson Co., 45 Wabash Ave., Chicago.

Ferns, Scottii, small plants from benches, $5 per 100; $50 per 1,000. Plants for 6-in. pots, $25 per 100; plants for 7 and 8-in. pots, $50 per 100. John Scott, Rutland Rd. and 45th St., Brooklyn, N. Y.

Ferns, N. Piersoni Elegantissima, 2¼-in. pots, $12 per 100; specimen plants, 6-in., $1 each; 8-in., $2; 10-in., $3; 12-in., $5; 14-in., $7.50; 16-in., $10. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns, from bench, Boston and Piersoni, 4-in., 10c; 5-in., 12½c. Tarrytown, 4-in., 15c; 5-in., 25c. Scottii, 3-in., 8c; 4-in., 12½c. Byer Bros., Chambersburg, Pa.

Ferns, Adiantum Farleyense, specimens, $18 to $24 per doz.; 1¾-in., $8 per 100; 2½-in., $15 per 100. J. A. Peterson, McHenry Ave., Westwood, Cincinnati, O.

Ferns, N. Whitmani, 2¼-in., $25 per 100. Boston, 2¼-in., $3 per 100. H. H. Barrows & Sons, Whitman, Mass.

Ferns, Whitmani, $25 per 100; $200 per 1,000. S. S. Skidelsky, 824 N. 24th St., Philadelphia.

Ferns, Boston, 5-in., 30c each. Piersoni, 6-in., 50c each. Geo. M. Emmans, Newton, N. J.

Ferns, Piersoni, Scottii, Barrowsii, Elegantissima. Geo. A. Kuhl, Pekin, Ill.

Ferns, Boston, 2½-in., $4 per 100. Nanz & Neuner, Louisville, Ky.

Ferns, all leading varieties. R. Dreyer, Woodside, L. I., N. Y.

FICUS.

Ficus, 7-in., 3 ft., $9 per doz. A. Schultheis, 19th and 4th Ave., College Point, N. Y.

Ficus elastica, 6-in., 50c each. G. Aschmann, 1012 Ontario St., Philadelphia.

Rubber plants, from 4-in. pots. Metarie Ridge Nursery Co., New Orleans, La.

Ficus. Geo. A. Kuhl, Pekin, Ill.

GARDENIAS.

Gardenia Veitchii, 5½-in., $9 per doz. A. Schultheis, 19th and 4th Ave., College Point, N. Y.

GERANIUMS.

Geraniums, from 2-in. pots. Alliance, Lemoine 1905, 25c each; $2 per doz. Fleuve Blanc, $1.50 per doz.; $10 per 100. Cactus, 4 vars., $2 per doz.; $15 per 100. Double Dryden, $1 per doz.; $5 per 100. Nutt, Le Pilote, Poitevine, Mme. Barney, Centaure, Kendall, Mme. Jaulin, Viaud, Mmme. Charotte, 40c per doz.; $2 per 100; $18 per 1,000. Ville de Poitiers, M. de Castellane, Berthe de Presilly, M. Jolly de Bammeville, T. Meehan, 50c per doz.; $3 per 100; $25 per 1,000. R. Vincent, Jr. & Son, White Marsh, Md.

Geraniums, S. A. Nutt, Castellane, John Doyle, Perkins, Double Gen. Grant, La Favorite, Poiteville, Mme. Salleroi, 2-in. pots, $2 per 100; 3-in. pots, $4 per 100. R. C., $1 per 100. Geo. M. Emmans, Newton, N. J.

Geraniums, from 2½-in. pots, $1.50 per 100; $14 per 1,000. B. Poitevine, Mrs. E. G. Hill, Nutt, Mme. Buchner, W. T. Buckley Co., Springfield, Ill.

Geraniums, stock plants, standard vars., $6 per 100; $50 per 1,000. Ludvig Mosbaek, Onarga, Ill.

Geraniums, best vars., 2½-in., $2 per 100; $18 per 1,000. C. Humfeld, Clay Center, Kan.

Geraniums, R. C., $10 and $12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums. Nathan Smith & Son, Adrian, Mich.

GLOXINIAS.

Gloxinias. L. Van Houtte Pere, Ghent, Belgium.

Gloxinias. Geo. A. Kuhl, Pekin, Ill.

GREENS.

Greens, dagger and fancy ferns, $1 per 1,000. Bronze and green galax, $1 per 1,000; 10,000 lots, $7.50. Bouquet green, per 100 yds., $7. Laurel festooning, 5c and 6c per yd. Laurel wreaths, $3 per doz.; branch laurel, per bunch, 50c. Boxwood, per lb., 20c. Leucothoe sprays, per 100, $1. Green and Spaghnum moss, $1 per barrel. Lyrata (new). H. M. Robinson & Co., 8 Province St., Boston, Mass.

Greens, Bronze Galax, $6.50 per 10,000 lots; 75c per 1,000. Fancy and dagger ferns, 65c per 1,000. Bouquet green, $6 per 100 lbs. Green and Sphagnum Moss, 75c per bbl.; 50c per sack. Laurel festooning, 4c, 5c, 6c per yard. Branch laurel, 35c per bunch. Laurel wreaths, $2.50 per doz. Crowl Fern Co., Millington, Mass.

Greens, new decorative green branches of the Huckleberry tree. New crop hardy ferns, fancy, $1.25 per 1,000; dagger, $1 per 1,000. Caldwell The Woodsman Co., Evergreen, Ala.

Greens, galax, leaves, ferns and leucothoe sprays, holly. Princess pine, all kinds of evergreens. Galax leaves, $1 per 1,000. N. Lecakes & Co., 53 W. 28th St., New York.

Greens, cut palmetto and cycas palm leaves, galax, leucothoe, ferns, mosses and all decorating evergreens. The Kervan Co., 20 W. 27th St., New York.

Greens, hardy cut ferns, Christmas trees, baled spruce, bouquet green, Sphagnum moss, etc. L. B. Brague, Hinsdale, Mass.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 50 W. 28th St., New York.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. A. J. Fellouris, 52 W. 28th St., New York.

Greens, fancy ferns, $1 per 1,000. Galax, $1.25. Michigan Cut Flower Ex., 38 Miami Ave., Detroit, Mich.

Greens, fancy or dagger ferns, 75c Perkins, Newark, N. Y.

Greens, fadeless sheet moss. E. A. Beaven, Evergreen, Ala.

HARDY PERENNIALS.

Hardy perennials, Baltonia, Rudbeckia triloba, helianthus, phlox. Nathan Smith & Son, Adrian, Mich.

Phlox Canadensis, $7.50 per 100. Perry's Hardy Plant Farm, Winchmore Hill, London, Eng.

HIBISCUS.

Hibiscus Syriacus Meehani. P. J. Berckmans Co., Inc., Augusta, Ga.

HOLLYHOCKS.

Hollyhock, Myosotis, Pansies, all seeds. Hasslach & Roumanille, seed growers, St. Remy de Provence, France.

HONEYSUCKLES.

Honeysuckles, 4-in. pots, $8 per 100. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

HYDRANGEAS.

Hydrangea Otaksa, field-grown, $1.50 and $2 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Hydrangeas, best vars. Jackson & Perkins, Newark, N. Y.

Hydrangeas. E. Y. Teas, Centerville, Ind.

IVY.

Ivy, hardy English, $2 per 100; $15 per 1,000. R. Vincent, Jr. & Son, White Marsh, Md.

Ivy, English, 4½-in., $2 and $2.50 per doz. A. Schultheis, 19th St. and 4th Ave., College Point, N. Y.

JERUSALEM CHERRIES.

Jerusalem Cherries, 2½-in., $5 per 100. G. Aschmann, 1012 Ontario St., Philadelphia.

Jerusalem Cheries, 2½-in., $2 per 100. Byer Bros., Chambersburg, Pa.

LEAF MOLD.

Leaf Mold, $1 per bag. A. Schultheis, 19th and 4th Ave., College Point, N. Y.

MARANTAS.

Maranta Lietzii, 2½-in., $1 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

MUSHROOM SPAWN.

Mushroom Spawn, "Pure Culture" spawn, and importers of English mushroom spawn. Knud Gundestrup & Co., 4273 Milwaukee Ave., Chicago.

Mushroom spawn, Columbia, Alaska, Bohemia. Cochran Mushroom & Spawn Co., 911 Chemical Bldg., St. Louis, Mo.

Mushroom Spawn, superior strains of Pure Culture Spawn. E. L. Hess, 604 La Salle Ave., Chicago.

Mushroom Spawn, English and pure culture. Weeber & Don, 114 Chambers St., New York.

Mushroom Spawn, frequent importations from England. J. J. Styer, Concordville, Pa.

Mushroom spawn, English. John F. Barter, Ltd., Napier Road, Wembley, England.

Mushroom spawn. John Hamlin & Co., Westberry Ave., Wood Green, England.

MYRTLE.

Myrtle, creeping, 2¼-in., $2.50 per 100; $20 per 1,000. Ludvig Mosbaek, Onarga, Ill.

NURSERY STOCK.

Nursery stock, hothouse, grape vines, fine, strong 2 and 3 year old canes, Black Hamburg, Muscat, Alexander and other varieties. Rose Hill Nurseries, New Rochelle, N. Y.

Nursery stock, dwarf and standard roses, rododendrons, clematis, coniters, ornamental trees and general nursery stock. Geo. Jackman & Son, Surrey, England.

Nursery stock, shade trees, fruit trees, small fruits, shrubs, clematis, Barberry Thunbergii. W. & T. Smith Co., Geneva, N. Y.

Nursery stock, trees and shrubs. Price list on application. Peterson Nursery, 503 W. Peterson Ave., Chicago.

Nursery stock, evergreen and deciduous flowering shrubs and vines. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, pot-grown shrubs, conifers and ornamental stock. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, large trees, oak, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, fruit and ornamental trees, evergreens. Wild Bros. Nursery Co., Sarcoxie, Mo.

Nursery stock, plants and shrubbery of all kinds. Dingee & Conard Co., West Grove, Pa.

ORCHIDS.

Orchids. All the Mexican varieties are sold by J. Balme & Co., Mexico City, P. O. Box 628. Illustrated and descriptive culture catalogue sent on receipt of 10c in postage stamps. Price list free.

Orchids, C. Dowiana, C. gigas, C. Mossiæ, C. Percivaliana, C. speciosissima, C. Eldorado, C. superba, C. labiata, C. Leopoldii. Lager & Hurrell, Summit, N. J.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England; New York office, room 1, 235 Broadway.

Orchids, C. Trianae, 40 plants, 400 bulbs. Orchid peat, $1 per bag. A. Schultheis, 19th and 4th Ave., College Point, N. Y.

PALMS.

Palms, Phœnix Rœbelenii, seedlings, $5 per 100; $40 per 1,000; $350 per 10,000; 4-in., 1 ft. high, 12 to 15 lvs., $1 each, $80 per 100, $750 per 1,000; 7-in., 2 to 2½ ft. high, $5 each; $40 per 10, $350 per 100; specimens, $7.50 and $10. John Lewis Childs, Floral Park, L. I., N. Y.

Palms, Latania Borbonica, from 4-in. pots. Metairie Ridge Nursery Co., New Orleans, La.

Palms, Kentia Bel., 3-in., 4 to 5 lvs., 12 to 15 ins., $2 per doz.; $15 per 100. 4-in., 5 to 6 lvs., 15 to 18 ins., $4.50 per doz.; $35 per 100. 5-in., 5 to 6 lvs., 18 to 20 ins., 75c each; $9 per doz.; $70 per 100. 6-in., 6 lvs., 20 to 22 ins., $1 each; $12 per doz. 6-in., 6 to 7 lvs., 24 ins., $1.25 each; $15 per doz. 7-in., 6 lvs., 26 to 28 ins., $1.50 each; $18 per doz. 7-in., 6 lvs., 28 to 30 ins., $2 each; $24 per doz. 7-in., 6 to 7 lvs., 32 to 34 ins., $2.50 each; $30 per doz. 7-in., 6 to 7 lvs., 35 ins., $3 each; $36 per doz. 8-in., 6 to 7 lvs., 40 ins., $3.50 each. 8-in., 6 to 7 lvs., 40 ins., heavy, $4 each. 9-in., tubs., 7 lvs., 36 to 40 ins., heavy, $5 each. 9-in., 7 lvs., 50 ins., heavy, $8 each. 12-in. pots, 8 lvs., 55 to 60 ins., heavy, $12 each. Kentia Fors., 3-in., 8 to 10 ins., $2 per doz.; $15 per 100. 4-in., 5 to 6 lvs., 15 to 16 ins., $4 per doz.; $30 per 100. 5-in., 5 to 6 lvs., 24 ins., 75c each; $9 per doz. 6-in., 5 to 6 lvs., 26 to 30 ins., $1 each; $12 per doz. 6-in., 6 lvs., 28 to 30 ins., $1.25 each; $15 per doz. 6-in., 6 lvs., 34 to 36 ins., $1.50 each; $18 per doz. 7-in., 6 lvs., 36 to 40 ins., $2 each; $24 per doz. 8-in., 5 to 6 lvs., 45 ins., $3 each; $36 per doz. 8-in., 6 to 7 lvs., 45 to 50 ins., $3.50 each. 8-in., 6 to 7 lvs., 50 to 55 ins., $4 each. 9-in., 6 lvs., 55 to 60 ins., $4.50 each. 10-in. tubs, 6 to 7 lvs., 65 ins., $6 each. 10-in., 6 to 7 lvs., 70 ins., $7 each. 12-in. pots, 6 lvs., 75 ins., $8 each. Made-up Fors., 8-in., 3 plants in pot, 40 ins., $3 each 8-in., 3 plts., 40 to 45 ins., $3.50 each. 9-in., 3 plts., 50 ins., $4 each. 9-in., 3 plts., 55 ins., $4.50 each 9-in., 3 plts., heavy, 60 ins., $5.50 each. 9-in. tubs, 3 plts., heavy, 65 ins., $6 each. 9-in., tubs, 3 plts., heavy, 70 ins., $7 each. 10-in., 5 plts., 55 ins., $6 each. Phoenix Can., 9-in., tubs, bushy, 30 to 35 ins., $3 each. 12-in., bushy, 40 to 45 ins., $6 each. 12-in. bushy, 50 to 60 ins., $7 each. Vaughan's Seed Store, Chicago and New York.

Palms, Areca lutescens, 5-in., 50c each; $5 per doz. Cocos, 2½-in., $1.50 to $1.75 per doz.; C. Bonetti, specimens, $40 each. Kentia Bel., 3-in., $2 per doz.; 4-in., $3.60 per doz.; 5-in., 60c each, $7.20 per doz.; 6-in., xx, $1.25 each, $15 per doz.; 7-in., $2.50 each, $30 per doz; Kentia Fors., 5-in., 60c each, $7.20 per doz; 6-in., $1.25 each, $15 per doz.; 7-in., $2 each, $24 per doz. Phœnix Can., 2-in., $1 per doz.; 5-in. $5 per doz.; 10-in., $3 each; large specimens, $25 to $30 each. Phœnix Recli., 3½-in., $2 per doz.; 4-in., $3 per doz.; 6-in., 50 each, $6 per doz.; 7-in., 75c each. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Palms, Kentia Fors., 6-in. pots, 35 to 40 ins., $1.25; $1.50; 30 to 35 ins., 4-yr., $1; 5½-in., 25 to 30, 3-yr., 75c; 4-in., made-up, 3 plants to pot, 18 to 20 ins., 25c to 30c. K. Bel., 6-in., 5 to 6 leaves, 30 to 35 ins., $1.25; 5½ to 6 ins., 5 to 6 leaves, 75c to $1. K. Fors., 7-in., made-up, 22 to 24 ins., $2 each. Cocos Wed., 15c. Areca Lutescens, made-up, 4-in. pots, 25c. Cycas Revoluta, 6 to 7 in., 7 to 20 leaves, 10c per leaf. G. Aschmann, 1012 Ontario St., Philadelphia.

Palms, Kentia Bel. and Fors., $3 to $9 per doz.; also $1 to $3 each; Phœnix Can., 6½ to 7 feet high, 11-in., $12 to $14 per pair. Kentia Fors., combinations, from $3 to $20 each. Livistona Sinensis, 5-in. pots, $4 per doz.; 6-in. $6 per doz.; 7-in., $12 per doz. Areca Lutescens, 5½-in., 3-in. pot, 30-ins. high, $9 per doz. Cycas Revoluta, from 5½ to 8 in., 50c to $3 each. A. Schultheis, 19th and 4th Ave., College Point, N. Y.

Palms, Latania Borb., 2¼-in., $4 per 100; 4½-in., $25 per 100; 5-in., $30 per 100. Kentia Bel., 3½-in., $20 per 100; 4¾-in., $30 per 100. Nanz & Neuner, Louisville, Ky.

Palms, The Royal of Cuba, $2 per 1,000. Yalaha Conservatories, Yalaha, Fla.

Palms, Kentia and Latania, 3-in., $15 per 100. Ludvig Mosbaek, Onarga, Ill.

Palms of all kinds. R. Dryer, Woodside, L. I., N. Y.

Palms. L. Van Houtte Pere, Ghent, Belgium.

PANDANUS.

Pandanus Sanderi, 4-in. pots, 40c each; $4 per doz. 5-in., 75c each; $7.50 per doz. 6-in., $1 each; $10 per doz. 9-in., $1.50 each; $15 per doz. Large plants, 50 ins., $5 each. Vaughan's Seed Store, Chicago and New York.

Pandanus Veitchii, 5-in., $5 per doz.; 6-in., $9; 6½-in., $12; 7-in., $18. A. Schultheis, 19th and 4th Ave., College Point, N. Y.

Pandanus Veitchii, 50c, $1, $1.50 and $2.50 each. J. A. Peterson, McHenry Ave., Westwood, Cincinnati, O.

PANSIES.

Pansy plants, best plants in the market, 50c per 100; $3 per 1,000; transp., $1 per 100. H. L. Lauscher, Knoxville, Tenn.

PEONIES.

Peonies. We have an exceptional fine lot of peonies which we imported ourselves and are the sorts best suited to grow on for cut flowers. The famous Festiva Maxima being among them. We will close out this entire lot cheap. If interested write for prices immediately. First come, first served. E. F. Winterson Co., 45-47-49 Wabash Ave., Chicago.

Peonies, Humei, $5 per 100; $40 per 1,000. Late Rose, $8 per 100; $70 per 1,000. Mixed pink, $3 per 100; $25 per 1,000. Batavia Greenhouses, Batavia, Ill.

Peonies, Queen Victoria, $9 per 100. Festiva Maxima, $30 per 100; Fragrans, $6 per 100. G. H. Wild, Sarcoxie, Mo.

Peonies. Wholesale grower of the best varieties. J. F. Rosenfield, West Point, Neb.

Peonies a specialty. Peterson Nursery, 503 W. Peterson Ave., Chicago.

Peonies, all vars. Vaughan's Seed Store, Chicago and New York.

Peonies, over 100 named vars. F. A. Baller, Bloomington, Ill.

Peonies, all varieties. Jackson & Perkins, Newark, N. Y.

Peonies, leading vars. Wild Bros. Nursery Co., Sarcoxie, Mo.

Peonies, all vars. Jacs Smits, Ltd., Naarden, Holland.

Peonies, best vars. E. Y. Teas, Centerville, Ind.

Peonies. D'Alcorn & Sons, Portsmouth, Va.

Peonies. W. & T. Smith Co., Geneva, N. Y.

PEPPERS.

Peppers, Celestial or Xmas., 3-in., 75c per doz.; $5 per 100. 4-in., $1.25 per doz.; $10 per 100. 5-in., $2 per doz.; $15 per 100. Vaughan's Seed Store, Chicago and New York.

Christmas peppers, 3½-in., $4 per 100. J. W. Dunford, Clayton, Mo.

Celestial peppers. Geo. A. Kuhl, Pekin, Ill.

POINSETTIAS.

Poinsettias, 2½-in., $5 per 100. Thos. Salveson, Petersburg, Ill.

PRIMULAS.

Primroses, obconica, fimbriata, alba, rosea, lilac, carmine, $2 per 100. Obconica, dbl., $3 per 100. Mixed, 2-in., 2c. Byer Bros., Chambersburg, Pa.

Primula obconica, 4-in., $1.50 per doz.; $10 per 100. A. Schultheis, 19th and 4th Ave., College Point, N. Y.

Primroses, Chinensis, $2 per 100; Obconica alba and rosea, $2 per 100. Jos. H. Cunningham, Delaware, O.

Primrose, Baby, 2½-in. pots, 4c each. The Dingee & Conard Co., West Grove, Pa.

PRIVET.

Privet, California, the best. R. Dreyer, Woodside, L. I., N. Y.

RHODODENDRONS.

Rhododendrons. Jacs Smits, Ltd., Naarden, Holland.

If you do not find what you need in our Ready Reference Department, write us about it.

ROSES.

Roses, Richmond, 2½-in., $5 per 100; $40 per 1,000; 3½-in., $6.50 per 100; $55 per 1,000. Beauty, 3-in., $5 per 100; $40 per 1,000; 3½-in., $6.50 per 100; $55 per 1,000. Bride Maid, 3½-in., $5 per 100; $45 per 1,000. Chatenay, Uncle John, 2½-in., $3.50 per 100; $30 per 1,000; 3½-in., $5 per 100; $45 per 1,000. G. Gate, 2½-in., $3.50 per 100; $30 per 1,000; 3½-in., $4.50 per 100. Kaiserin, 2½-in., $3.50 per 100; $30 per 1,000. Sunrise, 3½-in., $5.50 per 100; $50 per 1,000. Perle, 3½-in., $6 per 100; $55 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Roses, Baby Rambler, 1st size, $3 per doz.; $25 per 100; $200 per 1,000. 2nd size, $2.50 per doz.; $20 per 100; $150 per 1,000. 3rd size, $2 per doz.; $15 per 100; $120 per 1,000. Pot-grown in bud and bloom, 3-in. pots, $1.50 per doz.; $12 per 100. 4-in., $3 per doz.; $20 per 100. 5-in., $5 per doz.; $40 per 100. 6-in., $6 per doz.; $50 per 100. Etoile de France, 1-yr. dormant, $2 per doz.; $15 per 100. Vaughan's Seed Store, Chicago and New York.

Roses, 2½-in. pots, Cr. Rambler, Wood, La France, Meteor, G. Gate, Notting, $2.50 per 100; $20 per 1,000. Diesbach, Masson, Laing, Caprice, $3 per 100; $25 per 1,000. 4-in. pots, own root, Baby Rambler, $20 per 100; Crimson Rambler, $6 per 100; Charta, Masson, Diesbach, Wood, $7 per 100; Neyron, Laing, $8 per 100. Leedle Floral Co., Springfield, O.

Roses, grafted, Killarney, 3½-in. pots, $18 per 100. Liberty, Kaiserin, Maids, Wootton, 3½-in., $15 per 100. Own root, Richmond, Perle, 3-in., $8 per 100. Bride, Maid, G. Gate, Kaiserin, Liberty, Wootton, 3-in., $6 per 100. J. L. Dillon, Bloombsurg, Pa.

Rose plants, Beauties, 3-in. pots, $6 per 100; Chatenay, 3-in. pots, $4 per 100; Bride and Maids, 4-in. pots, $5 per 100. This stock is first-class in every respect and we guarantee satisfaction. Wm. L. Rock Flower Co., Kansas City, Mo.

Roses, 2½ and 3 in. rose pots, Am. Beauty, Bride, Meteor, G. Gate, Chatenay, Richmond, Maid, Ivory, Perle, Souv. Wootton, Kaiserin. Geo. A. Kuhl, Pekin, Ill.

Roses, Richmond, own root, 3-in., $50 per 1,000. Chatenay, 2½-in., $25 per 1,000. Maid, 3-in., $40 per 1,000; 2½-in., $25 per 1,000. E. G. Hill Co., Richmond, Ind.

Roses, 3-in., Bride, Maid, Meteor, Richmond, Chatenay, $3 per 100. Bride, Maid, Richmond, 2½-in., $2 per 100. W. H. Gullett & Sons, Lincoln, Ill.

Rose, Queen Beatrice, finest forcing pink, to be disseminated spring of 1907. F. H. Kramer, 916 F. St., N. W., Washington, D. C.

Roses, from 2½-in pots, Ivory, G. Gate, Bride, Maid, Chatenay. Mrs. J. W. Crouch, 709 Market St., Chattanooga, Tenn.

Roses, Beauty, 3-in.; Chatenay, 3½-in., U. John, 3½-in., $5 per 100; $45 per 1,000. Lamborn Floral Co., Alliance, O.

Roses, Liberty, 3-in., $5 per 100; 2¼-in., $4. Leo Niessen Co., 1217 Arch St., Philadelphia.

Roses, 2½-in., C. Rambler, etc., $2 per $100; $15 per 1,000. C. M. Niuffer, Springfield, O.

Roses, over 1,000 vars. on own roots, all sizes. Dingee & Conard Co., West Grove, Pa.

Roses, field-grown for forcing. W. & T. Smith Co., Geneva, N. Y.

Roses, Bride, 3-in., $4 per 100; $35 per 1,000. C. Humfeld, Clay Center, Kan.

Roses, Bride, Maid, 3-in., $5 per 100. Ludvig Mosbaek, Onarga, Ill.

Roses, field, own roots. California Rose Co., Pomona, Cal.

Roses, climbing plants. Jacs Smits, Ltd., Naarden, Holland.

Roses, leading vars. Jackson & Perkins, Newark, N. Y.

Roses, from 3-in. pots. Wood Bros., Fishkill, N. Y.

Roses. Nathan Smith & Son, Adrian, Mich.

SALVIAS.

Salvias. Nathan Smith & Son, Adrian, Mich.

SANSEVIERIAS.

Sansevieria Jav. Var., 4-in., $2 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

SEEDS.

Seeds, giant-flowered cyclamen, German strain, white, dark crimson, Rosa von Marienthal, dark rose, white with carmine eye, white fringed, Rubin, per 1,000 seeds, $5; per 100, 65c. Salmon, 100 seeds, $1.50. Giant flowered mixed, 100 seeds, 50c; 250, $1.15; 1,000, $4.50; 5,000, $20. Giant orchid-flowered, white, red, pink, white with carmine eye, lilac, each, 100 seeds, $1; 1,000, $9; orchid-fld., mixed, 25 seeds, 25c; 100, 85c; 1,000, $8. Rokoko, colors and mixed, 100 seeds, $2.50; 50, $1.35. New English grown, Rosy Morn, Picturatum, Grandi. Album, Excelsior, Princess May, Princess of Wales, Mauve Queen, Duke of Connaught, Duke of Fife, Salmon Queen, 100 seeds, $1; 1,000, $9 net. Fimbriatum, 100 seeds, $2.50. Vaughan's special pansy mixtures: International mixture, oz., $10; ½ oz., $5; ⅛ oz., $1.50; tr. pkt., 50c. Giant mixture, ¼ lb., $14; oz., $4; ⅛ oz., 60c; tr. pkt., 25c; ⅛ oz., 80c; ½ oz., $3; oz., $5.50. New Giant Curled, tr. pkt., 50c; ⅛ oz., 75c; Premium mixture, per pkt., 25c; ¼ oz., $1.35; oz., $5. Chicago Parks Bedding, pkt., 10c; ¼ oz., 30c; oz., 75c; 4 ozs., $2.50. Elite mixture, tr. pkt., 50c; ⅛-oz., $1. New Orchid-flowered, tr. pkt., 25c; ⅛-oz., 70c. Improved German, per large pkt., 10c; ⅛-oz., 20c; ¼-oz., 30c; oz., $1. Cut Flower mixture, tr. pkt., 25c; ⅛oz., 80c; ¼ oz., $1.50; oz. $5.50. Vaughan's Seed Store, Chicago and New York.

Seeds, Asparagus, A. plumosus nanus. Northern greenhouse grown seed, 100 seeds, 60c; 250 seeds, $1.25; 1,000 seeds, $4.50. Southern greenhouse grown, 1,000 seeds, $2.50; 5,000 seeds, $10. A. plumosus robustus, 100 seeds, $1; 1,000 seeds, $9. Decumbens, 100 seeds, 50c; 1,000 seeds, $4. Comorensis, 100 seeds, $1; 1,000 seeds, $7.50. Cash discount 2 per cent. Vaughan's Seed Store, Chicago and New York.

Seeds, California seeds, Cosmos, tall, pink, white or yellow, per lb., $1.50. Nasturtiums, tall, Jupiter of Crœsus, per lb., 40c. Sweet peas, separate colors, per lb., 20c; California Giants, mixed, per lb., 18c. Petunias, Giants of California, ⅛ oz., $3. F. Gilman Taylor Seed Co., Glendale, Cal.

Seeds, sweet peas, Earliest White, per pkt., (40 seeds) 25c; 5 pkts., 75c net. ½ size pkts., 15c; 2 pkts., 25c; 10 pkts., 75c. Burpee's Earliest of All, per oz., 10c; ¼ lb., 30c; per lb., $1. W. Atlee Burpee & Co., Philadelphia.

Seeds, Rawson's Continental, cyclamen, white, pink, red, white with claret base and mixed, 50c per 100 seeds; $4 per 1,000; Salmon pink, $2 per 100 seeds; $15 per 1,000. W. W. Rawson & Co., 5 Union St., Boston.

Seeds, L. C. Nungesser, Griesheim near Darmstadt, Germany, exporter and importer. Specialties: Selected grass and clover seeds, alfalfa of Province and Turkestan, free from dodder and cuscuta. Crimson clover.

Seeds, Sweet peas, Christmas Pink and Florence Denzer, ¼ lb., 75c; lb. $2. Hybrids, 30 colors; also Mrs. Edie Wild, tr. pkt., $1; 5 pkts., $4. Ant. C. Zvolanek, Bound Brook, N. J.

Seeds, Brown's Giant, prize pansies, mixed, 3,000 seeds, $1; ¼ oz., $1.50 ½ oz., $2.50; 1 oz., $5; ¼ lb., $14; ½ lb., $25; lb. $50. Peter Brown, 124 Ruby St., Lancaster, Pa.

Seeds, cineraria, large fld., mixed and semi-dwf. mixed, tr. pkt., 50c. Pansy mixed, oz., $4.50; ¼-oz., $1.15; ⅛-oz., 60c. W. C. Beckert, 103 Federal St., Allegheny, Pa.

Seeds, all kinds, specialties, onion, carrot, lettuce, sweet peas. Pacific Seed Growers' Co., 109 Market St., San Francisco.

Seeds, pansy, exhibition strain, tr. pkt., 30c; ⅛ oz., 60c; ¼ oz., $1; oz., $4. Holmes Seed Co., Harrisburg, Pa.

Mexican Plants, Seeds, etc., all the varieties are sold by J. Balme & Co., Mexico City. Orchids and cacti specialties.

Seeds, Florists' Inter. Pansy Mixture, oz., $6; ⅛ oz., 75c; Giant Mixture, oz., $4; ⅛ oz., 75c. Ludvig Mosbaek, Onarga, Ill.

Seeds; prize pansy, tr. pkts., $1; Giant Market, 2,000 seeds; Giant Fancy, 600 seeds. A. Zirngiebel, Needham, Mass.

Seeds, choice strains, cineraria, calceolaria, cyclamen, pansy, petunia, etc. Jas. Vick's Sons, Rochester, N. Y.

Seeds, Asparagus plumosus, $3.50 per 1,000 seeds. J. M. Thorburn & Co., 33 Barclay st., New York.

Seeds, pansy, best English strain, $2 per oz. mailed. Bedfordshire Seed Co., Ltd., Sandy, England.

Seeds, high-grade grass, clover and tree seeds. Conrad Appel, Est. 1789, Darmstadt, Germany.

Seeds, all kinds of vegetable and flower seeds. C. C. Morse & Co., 171 Clay St., San Francisco, Cal.

Seeds, 5,400 acres of garden seeds in cultivation. Braslan Seed Growers' Co., San Jose, Cal.

Seeds, pansy, 1,000 seeds, mixed, 25c; 1 oz., $2.25. H. Wrede, Luneburg, Germany.

Seed, pansy, large flowering, per oz., $4. Jos. H. Cunningham, Delaware, O.

Seeds of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Seeds of all kinds. Stokes Seed Store, 219 Market St., Philadelphia.

Seeds. W. Atlee Burpee Co., Philadelphia, Pa.

SELAGINELLAS.

Selaginella Denticulata, 3-in., $1 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

SMILAX.

Smilax, 3-in., $4 per 100; 2½-in., $2.50; early strings. W. H. Gullett & Sons, Lincoln, Ill.

Smilax, $2 per 100; $15 per 1,000. R. Vincent, Jr. & Son, White Marsh, Md.

Smilax, 2-in., $1.50 per 100; $12.50 per 1,000. C. Humfeld, Clay Center, Kan.

Smilax, 2-in. pots, $1 per 100. West End Greenhouses, Lincoln, Ill.

Smilax, $1 per 100; $9 per 1,000. Jos. H. Cunningham, Delaware, O.

Smilax, $1.50 per 100; $12.50 per 1,000. A. M. Herr, Lancaster, Pa.

Smilax, from 2-in. pots, $2.50 per 100. Eli Cross, Grand Rapids, Mich.

Smilax, 2½-in. pots, $1.50 per 100. J. L. Dillon, Bloomsburg, Pa.

Smilax, good seconds, $1 per 100. A. M. Herr, Lancaster, Pa.

Smilax. Wood Bros., Fishkill, N. Y.

Smilax. Geo. A. Kuhl, Pekin, Ill.

SNAPDRAGONS.

Snapdragons, 3½-in., $5 per 100; $45 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

SPIREAS.

Spirea Van Houttei. W. & T. Smith Co., Geneva, N. Y.

Spireas. Jacs Smits, Ltd., Naarden, Holland.

VIOLETS.

Violets, Gov. Herrick, new single violet, good keeper; rooted cuttings, $2 per doz.; $10 per 100; $75 per 1,000; 5,000 or more, $60 per 1,000. H. R. Carlton, Willoughby, O.

Violets, Gov. Herrick, 2½-in., $10 per 100; $80 per 1,000. W. A. Calhoun, 3226 Euclid Ave., E. Cleveland, O.

Violets, 2,000 Imperial, 2¼-in., $3 per 100; $25 per 1,000. W. F. Kasting, 383 Ellicott St., Buffalo, N. Y.

Violets, California and Swanley White, field clumps, $5 per 100; $45 per 1,000. Nathan Smith & Son, Adrian, Mich.

Violets. Nathan Smith & Son, Adrian, Mich.

Violets. Wood Bros., Fishkill, N. Y.

If you do not find what you need in our Ready Reference Department, write us about it.

Violets, California, 3½-in., $4 per 100. J. W. Dunford, Clayton, Mo.

WHOLESALE CUT FLOWERS.

Commission Dealers.

Allen, J. K., 106 W. 28th St., New York.
Amling, E. C., 32-36 Randolph St., Chicago.
Baker, W. J., 1432 S. Penn Sq., Philadelphia.
Berger Bros., 1235 Filbert St., Philadelphia.
Bernheimer, E., 11 S. 16th St., Philadelphia.
Berning, H. G., 1402 Pine St., St. Louis.
Cleveland Cut Flower Co., 215 Huron road, Cleveland, O.
Deamud, J. B., Co., 51 Wabash Ave., Chicago.
Flower Growers Market, 60 Wabash Ave., Chicago.
Ford Bros., 48 W. 28th St., New York.
Froment, Horace E., 57 W. 28th St., New York.
Guttman, Alex. J., 43 W. 28th St., N. Y.
Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.
Henshaw, A. M., 52 W. 28th St., New York.
Horan, Edward C., 55 W. 28th., N. Y.
Hunt, E. H., 76 Wabash Ave., Chicago.
Kennicott Bros Co., 40-44 Randolph St., Chicago.
Kessler, Phil. F., 55 W. 26th St., N. Y.
Kuehn, C. A., 1122 Pine St., St. Louis.
Langjahr, Alfred H., 55 W. 28th St., New York.
McCullough's Sons Co., J. M., 316 Walnut St., Cincinnati, O.
McKellar, Chas. W., 51 Wabash Ave., Chicago.
McKissick, W. E., 1221 Filbert St., Philadelphia.
Michigan Cut Flower Exchange, 38-40 Miami Ave., Detroit, Mich.
Moore, Wm. J., 1237 Filbert St., Philadelphia.
Murdoch, J. B. & Co., 545 Liberty Ave., Pittsburg, Pa.
N. Y. Cut Flower Ex., Coogan Bldg., 6th Ave. and W. 26th St., New York.
Niessen Co., Leo, 1217 Arch St., Phila.
Pennock, S. S., Philadelphia.
The Phila. Wholesale Flower Market, 1235 Filbert St., Philadelphia.
Pittsburg Cut Flower Co., Ltd., 504 Liberty Ave., Pittsburg, Pa.
Pittsburg Florists' Exchange, 217-223 Diamond St., Pittsburg, Pa.
Pollworth, C. C. Co., Milwaukee, Wis.
Randall, A. L. Co., 19 Randolph St., Chicago.
Raynor, John I., 49 W. 28th St., N. Y.
Reid, E., 1526 Ranstead St., Philadelphia.
Rice Bros., 128 N. 6th St., Minneapolis, Minn.
Seligman, John, 56 W. 26th St., N. Y.
Sheridan, Walter F., 39 W. 28th St., New York.
Traendley & Schenck, 44 W. 28th St., New York.
Vaughan & Sperry, 58-60 Wabash Ave., Chicago.
Welch Bros., 15 Province St., Boston.
Winterson, E. F. Co., 45-49 Wabash Ave., Chicago.
Young, A. L. & Co., 54 W. 28th St., New York.
Young, Thos., 43 W. 28th St., N. Y.
Zech & Mann, 51 Wabash Ave., Chicago.

Growers.

Bassett & Washburn, 76-78 Wabash Ave., Chicago.
Benthey-Coatsworth Co., The, 35 Randoph St., Chicago.
Bruns, H. N., 1409-1411 W. Madison St., Chicago.
Budlong, J. A., 37-39 Randolph St., Chicago.
Chicago Rose Co., 56-58 Wabash Ave., Chicago.
Elliott, W. H., Brighton, Mass.
Hill, The E. G. Co., Richmond, Ind.
Jensen & Dekema, 674 W. Foster Ave., Chicago.
Metairie Ridge Nursery Co., New Orleans, La.
Peacock Dahlia Farms, Atco, N. J.
Poehlmann Bros. Co., 35-37 Randolph St., Chicago.
Reinberg, Peter, 51 Wabash Ave., Chicago.
Sinner Bros., 60 Wabash Ave., Chicago.
South Park Floral Co., Heller Bros., New Castle, Ind.
Weiland & Risch, 59 Wabash Ave., Chicago.
Wietor Bros., 51 Wabash Ave., Chicago.
Wilcox, J. F., Council Bluffs, Iowa.
Wittbold, Geo. Co., 1657 Buckingham Place, Chicago.

RETAIL CUT FLOWERS.

Atlanta Floral Co., 41 Peachtree St., Atlanta, Ga.
L. Bemb Flo. Co., 153 Bates St., Detroit, Mich.
Berterman Bros. Co., 241 Massachusetts Ave., Indianapolis, Ind.
Breitmeyer's, John, Sons, cor. Miami and Gratiot Aves., Detroit, Mich.
Brown, W. B., 308 Woodward Ave., Detroit, Mich.
Cooke, George H., Connecticut Ave. and L St., Washington, D. C.
Daniels & Fisher, Denver, Col.
Donohoe, W. H., 2 W. 29th St., N. Y.
Detroit Flo. Co., 470 John R. St., Detroit, Mich.
Eyres, H. G., 11 N. Pearl St., Albany, N. Y.
Fetters, E. A., 275 Woodward Ave., Detroit, Mich.
Gude, A. & Bro., 1214 F St., Washington, D. C.
Hansen, Mrs. M. A., Galveston, Tex.
Hauswirth, P. J., Audit. Annex, Chicago.
Hess & Swoboda, 1415 Farnum St., Omaha, Neb.
Holm & Olson, St. Paul, Minn.
Kellogg, Geo. M., 906 Grand Ave., Kansas City, Mo.; also Pleasant Hill, Mo.
Lange, A., 40 E. Madison St., Chicago.
Livingston Seed Co., Columbus, O.
Mayberry & Hoover, 1339 14th St., N. W., Washington, D. C.
McConnell, Alex., 571 Fifth Ave., Windsor Arcade, New York.
Mills The Florist, 36 W. Forsyth St., Jacksonville, Fla.
Schroeter, B., 59 Miami Ave., Detroit, Mich.
Sullivan, J. F., 214 Woodward Ave., Detroit, Mich.
Taepke, G. H., 95 Gratiot Ave., Detroit, Mich.
Virgin, Uriah J., 833 Canal St., New Orleans, La.
Weber, Fred C., 4320-28 Olive St., St. Louis, Mo.
Wilcox, J. F., Council Bluffs, Iowa.

RAFFIA.

Raffia, samples free if you mention the American Florist. Large assortment of colors. R. H. Comey Co., Camden, N. J., 810-24 Washburn Ave., Chicago.

SUPPLIES.

Supplies, flower baskets, novelties. Riessner Bros., Lichtenfels, Bavaria.

Supplies of all kinds. New Tone Ware vases and jardinieres. H. Bayersdorfer & Co., 56 N. Fourth St., Philadelphia.

WINANDY BROS.

Greenhouse Builders,

3730 N. Lincoln Street. Rogers Park Station, **CHICAGO.**

Write for our estimates.

MOREHEAD RETURN TRAPS.

An Economical Investment
FOR THE FLORIST.

Saves water and fuel by returning condensation to boilers regardless of whether they are above or below the coils.

MOREHEAD MFG. CO.
1047 Grand Ave., : DETROIT, MICH.

ALL KINDS OF ENGRAVINGS
AND HIGH GRADE
Catalogue Work
For FLORISTS, SEEDSMEN and NURSERYMEN.
Globe Engraving & Electrotype Co.
407-427 Dearborn Street, CHICAGO.

FREE SOUVENIR. *Cut out and mail to us the Coupon below, with your name and address and get a Souvenir well worth having.*

FOLEY MFG. CO., CHICAGO.

BEST GREENHOUSE MATERIALS.

QUALITY, WORKMANSHIP AND VALUE GUARANTEED.

LOUISIANA RED CYPRESS

Sun Cured, Air Dried, Free From Sap.

HEART CYPRESS POSTS, HOT BED SASH and FRAMES, FOLEY VENTILATING APPARATUS UNEQUALED, also Glass, Pipe and Various Iron Fittings and Specialties.

Get Our Estimates, Sketches and Suggestions on Your Proposd Improvements.

Cut out this slip, send your name and address to

Name.....

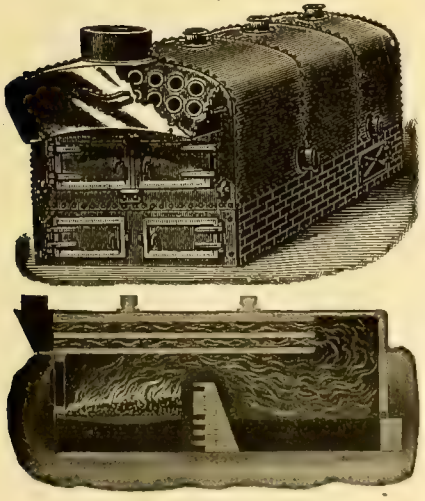
Address .....

.....

A souvenir, a very useful article that you will keep, will be sent on your request.

FOLEY MFG. CO., 471 W. 22nd St., CHICAGO.

KROESCHELL BROS. CO.
IMPROVED
Greenhouse Boiler
45 Erie Street, CHICAGO.



Boilers made of the best of material, shell, fire-box sheets and heads of steel, water space all around (front, sides and back). Write for information.

DO NOT KEEP YOUR "I" ON FIRMS

to see them grow, or to see if they are full-grown, but just glance around at the Enterprising Florists' Supply House with everything new for the trade.

J. STERN & CO.
1928 Germantown Ave., PHILADELPHIA, PA.
See us at the convention.

BEST ENGRAVINGS and ILLUSTRATIONS
—Of Every Description—
FOR CATALOGUES.
SEE OUR WORK IN THIS PAPER. SEND FOR ESTIMATES.
GLOBE ENGRAVING and ELECTROTYPE CO.
407-427 Dearborn St., CHICAGO.

GREENHOUSE HEATING

Complete heating plants erected or materials furnished with working plans. Write for prices on **BOILERS.**

JOHNSTON HEATING COMPANY,
St. James Building, 1133 Broadway, NEW YORK.

CUT FLOWER BOXES WATERPROOF Corner Lock Style.

The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always.

Size No.		Per 100	Per 1000
0,	3x 4x20	$2.00	$19.00
1,	3x 4½x16	1.90	17.50
2,	3x 6x18	2.00	19.00
3,	4x 8x18	2.50	23.00
4,	3x 5x24	2.75	26.00
5,	4x 8x22	3.00	28.50
6,	4x 8x28	3.75	36.00
7,	6x16x20	5.50	54.00
8,	3x 7x21	3.00	28.50
9,	5x10x35	6.50	62.00
10,	7x20x20	9.50	67.50
11,	3½x5x30	3.00	28.50

Sample free on application. No charge for printing on orders above 250 boxes. Terms cash.
THE LIVINGSTON SEED COMPANY,
Box 104, COLUMBUS, OHIO.

It is good business policy to mention
The....
AMERICAN FLORIST
When you write to an advertiser

ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the
"Horticultural Advertiser"
This is the British Trade Paper, being read weekly by all the Horticultural traders; it is also taken by over 1000 of the best continental houses. Annual subscription to cover cost of postage 75c; Money orders payable at Lowdham, Notts.
Address **Editors of "H. A."**
Chilwell Nurseries, LOWDHAM, Notts, England
Please mention the American Florist when writing.

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

TAKE THIS 3-4 SPAN HOUSE.

You can get a good idea of how the curved eave line and airiness of construction makes the heretofore ugly, almost impossible ¾ span house, one of attractiveness—one that will fit in almost any place on your grounds.

U-Bar Greenhouses are the Best Greenhouses Built

because no other greenhouse has the curved eaves—the lightness of construction, giving a house not only unequalled in attractiveness, but excelling in growing qualities.

We are the sole makers of U-Bar Greenhouses.

Pierson U-Bar Company
DESIGNERS AND BUILDERS,
U-BAR GREENHOUSES,
Metropolitan Building,
4th Avenue & 23rd Street,
NEW YORK.

The Standard

VENTILATING MACHINERY

The original machine with self-oiling cups. The most powerful, least complicated, very compact, with ease of operation.

The New Duplex Gutter

Over six miles in use and highly recommended by all. The only Drip Proof gutter on the market.

The Standard Return Steam Trap

It has no equals for simplicity or its working. Catalogue free.

E. HIPPARD, Youngstown, Ohio.

BARGAINS IN SUPPLIES

2,500 **Hot Bed Sash,** 3x6 ft., new frames, glazed and first class, each, $1.80.

50 Miles of **Wrought Iron Pipe,** sizes from ⅜ to 16 inches.

Boiler Tubes from 2 to 6 inches.

25 **Horizontal, Tubular Boilers,** from 10 to 150 H P.

Roofing Glass, Garden Hose, Sash, Doors, Hardware, Plumbing Material, Valves, Furniture, Office Fixtures and everything in the manufacturer's line.

Ask for Catalogue No. 47

CHICAGO HOUSE WRECKING CO.
West 35th and Iron Sts., CHICAGO.

GREENHOUSE LUMBER

FIRST QUALITY. STRICTLY CLEAR.

LOUISIANA GULF CYPRESS.

For **GREENHOUSE** purposes nothing surpasses our material either in durability, or in excellence of workmanship.

PRICES REASONABLE.

QUICK SERVICE IS ASSURED IN FILLING ALL ORDERS.

Hotbed Sash, Cedar Posts, Iron Fittings, Bench Material.

LOCKLAND LUMBER CO.
LOCKLAND, O.

Please mention the American Florist when writing.

Use our patent Iron Bench Fittings and Roof Supports.

THE JENNINGS IMPROVED IRON GUTTER.

IMPROVED VAPORIZING PANS
For Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY & CO. SUCCESSORS TO JENNINGS BROTHERS,
S. W. Cor. Sixth and Berk Sts., PHILADELPHIA.

VENTILATING APPARATUS.

Please mention the American Florist when writing

GARLAND'S GUTTERS
WILL KEEP SNOW AND ICE OFF YOUR GLASS.
DES PLAINES, ILL.
SEND FOR CATALOGUE.

A Section of our Gutter is on Exhibition at the Chicago Flower Growers' Market.

EUREKA GREENHOUSES.

THE BEST AND LOWEST IN PRICE. All houses erected at the factory and shipped to purchasers with blue prints, photographs and plain directions so that any person can put them up.

DILLON GREENHOUSE MFG. CO., Bloomsburg, Pa.

GREENHOUSES.

MATERIAL FURNISHED AND MEN TO SUPERINTEND ERECTION IF DESIRED.

CYPRESS SASH BARS
ANY LENGTH UP TO 32 FT. OR LONGER.

THE A. T. Stearns Lumber Co.,
NEPONSET, BOSTON, MASS.

Please mention the American Florist when writing.

Weathered Company,

BUILDERS OF

Iron and Cypress Greenhouses, Greenhouse Heating and Ventilating Apparatus.

P. O. Address. Box 789, NEW YORK CITY.

Please mention the American Florist when writing.

EVANS' IMPROVED CHALLENGE VENTILATING APPARATUS

WRITE FOR ILLUSTRATED CATALOGUE
QUAKER CITY MACHINE WORKS.
RICHMOND, IND

Please mention the American Florist when writing.

THE AMERICAN FLORIST

America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXVII. CHICAGO AND NEW YORK, AUGUST 25, 1906. No. 951

THE AMERICAN FLORIST

TWENTY-SECOND YEAR.

Copyright 1906, by American Florist Company. Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

324 Dearborn St., Chicago.

Eastern Office: 1133 Broadway, New York.

Subscription, $1 00 a year. To Europe, $2.00. Subscriptions accepted only from the trade.

Volumes half yearly from August, 1901.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS — WM F. KASTING, Buffalo, N. Y., president; H. M. ALTICK, Dayton, O., vice-president; W. J. STEWART, 11 Hamilton Place, Boston, Mass., secretary; H. B. BEATTY, Pittsburg, Pa., treasurer. Twenty-third annual meeting at Philadelphia, Pa., August, 1907.

OFFICERS-ELECT — WM. J. STEWART, Boston, Mass., president; JOHN WESTCOTT, Philadelphia, Pa., vice-president; P. J. HAUSWIRTH, Auditorium Annex, Chicago, secretary; H. B. BEATTY, Pittsburg, Pa., treasurer.

INTERNATIONAL EXHIBITION—A grand international exhibition will be held with the annual convention at Chicago, November, 1908.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual convention and exhibition at Chicago, November 6-12, 1906. WM. DUCKHAM, Madison N J., president; DAVID FRASER, Penn and Homewood Ave., Pittsburg, Pa., secretary.

AMERICAN ROSE SOCIETY.

Annual meeting and exhibition at Washington, D. C., March 13-15 1907. ROBT SIMPSON, Clifton, N. J., president; BENJAMIN HAMMOND, Fishkill-on-Hudson, N. Y., secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention and exhibition at Toronto, Canada, January, 1907. JOHN H. DUNLOP, Toronto, Canada, president; ALBERT M. HERR, Lancaster, Pa., secretary.

THE AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

Annual convention at Toronto, Ont., 1907. BYRON D. WORTHEN, Manchester, N. H., president; F. L. MULFORD, Harrisburg, Pa., secretary.

AMERICAN PEONY SOCIETY.

Third annual meeting and exhibition at Ithaca, N. Y., 1907. C. W. WARD, Queens, N. Y., president; A. H. FEWKES, Newton Highlands, Mass., secretary.

Contents, page 220.

Advertising Rates, 220.

Index to Advertisers, 250.

Ready Reference Advts., 251.

THE DAYTON CONVENTION.

The Next Convention to be Held at Philadelphia.

OFFICERS FOR 1907.

President, W. J. Stewart, Boston, Mass.
Vice-Pres., John Westcott, Phila., Pa.
Secretary. P. J. Hauswirth, Chicago.
Treasurer, H. B. Beatty, Pittsburg, Pa.

International Flower Show and Convention at Chicago, November, 1908.

Convention Proceedings.

The twenty-second annual convention of the Society of American Florists, which opened August 21, is now a thing of the past. Notwithstanding a number of drawbacks, not the least of which was the exceedingly hot weather, for excellence and volume of work this convention must be recorded as well in advance of any held heretofore. The attendance was very large, much larger indeed than any record will show, because the arrivals continued to the last day and many of those from nearby towns were not members of the society before this meeting. The membership therefore has been materially benefited. It is pleasing to note the growing popularity of this annual event with the ladies, as the number who attend grows very perceptibly each year. The trade exhibitors report excellent business, and the local members worked hard to make the visitors comfortable during their stay.

Vice-President Altick, of Dayton, in opening the convention, expressed his regret that the weather man had temporarily marred the plans of the Dayton brethren, but that every arrangement had been made, to the smallest details, to insure the comfort and pleasure of the visitors.

Judge Chas. W. Dale, of Dayton, officially represented the mayor of the city, who was absent from home, in extending a hearty welcome on behalf of the local brethren and the citizens generally. He said:

"I do not know of a body of men who bring more of sunshine and happiness to a community than your organization. Your work is a noble one and is being better appreciated every day. At this moment many an invalid is caressing a rose whose perfume and beauty are contributing to his or her recovery. Your zeal in your chosen vocation gives many indications of your progress. Especially is this true in the city of Dayton, essentially a city of homes. Around almost every cottage you may see flowers and plants, indicating a wealth of refinement and culture within. Only the other day the National Cash Register Co. began a stupendous work in floral ornamentation, and I want to improve this opportunity to thank that company for their great and glorious work, the results of which we are reaping in generous measure. The day will come when our citizens will show, by substantial recognition, their appreciation of that work. When a toiler comes home at night, after a hard day's labor, whether a business man or a working woman, and amid green surroundings inhales the perfume of beautiful flowers, the pleasure is like that of a traveler in the far east who finds an oasis in the desert. We think we have a beautiful city here; we know we have a splendid citizenship; and we want you to see us in our everyday life and to enjoy your visit here. We will assist you in that. The keys to our gates we leave with you. Go where you will, it will be a pleasure to us to meet you within our portals at all times."

Prof. J. F. Cowell, of Buffalo, N. Y., made the response on behalf of the S. A. F. He claimed to voice the sentiment of every member of the society in expressing thanks for the very kindly welcome extended on behalf of the citizens of Dayton. He said he had attended many conventions and receptions, but he thought the one of today, in one respect at least (the weather), was the warmest he had ever experienced. He continued:

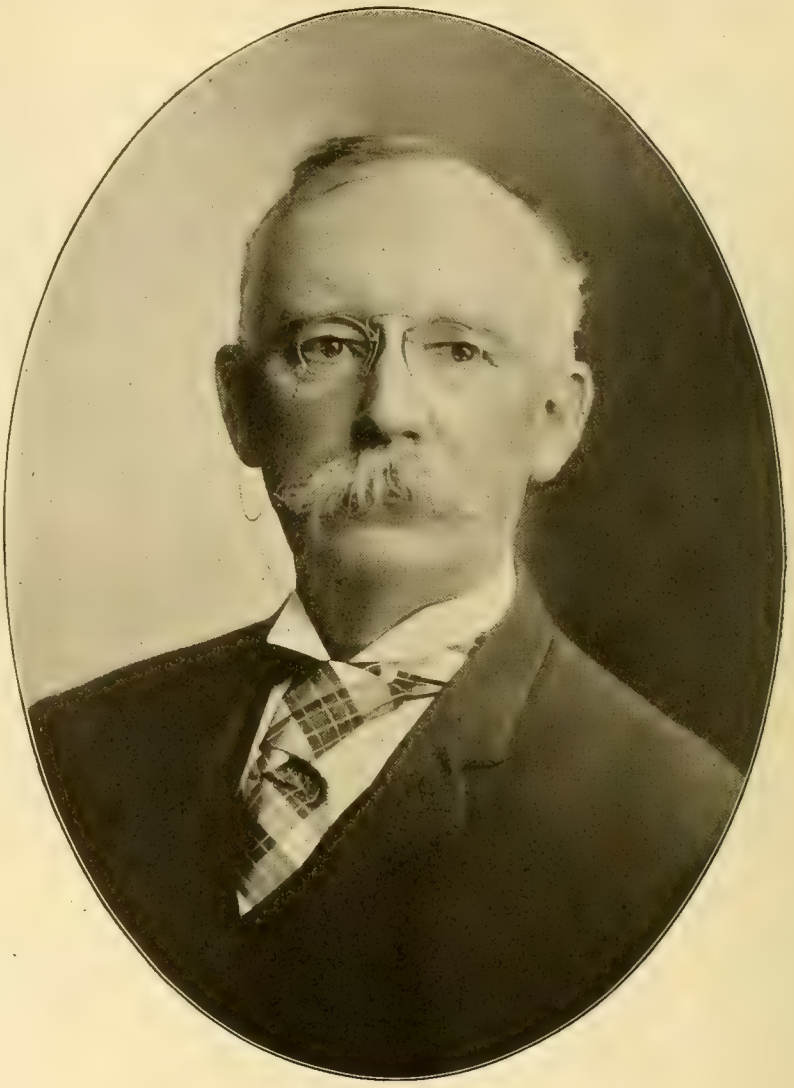
"We have heard a great deal about Dayton. We have heard that it is a beautiful city, a well governed city, a well "registered" city in fact, and a clean city. And if cleanliness is next to godliness it must be a godly city. We come here to see and to learn. We expect to drink deeply at your fountains and to go away full of new ideas and incentives. What we may do to in some measure recompense you for your kindness we will do gladly. It has been said that it is more blessed to give than to receive, and your best recompense will be in the fact that you have given freely to the strangers within your gates. Like the cruse of oil and the handful of meal in the parable, knowledge expands as we impart it and leaves our capital untouched if not increased. We come here from all parts of this broad land, and we shall go away filled, as I have said, with new ideas. We shall go to the north, to the south, to the east and to the west and spread broadcast through the land the seed which we have gathered from your fertile fields. Our business here which brings us together is primarily for the discussion of certain questions which we deem of importance to the interests which we represent. We come to renew old acquaintances and to make new ones. We come to fresh fields to learn what our brethren are doing in this part of the world. Our real business is to beautify the earth and such contiguous planets as we may lay hands on."

The regular convention proceedings were then opened with the president's address, when President W. F. Kasting spoke as follows:

The President's Address.

Twenty-two years ago, I am told, while this society, then new-born, was holding its first meeting in the city of Cincinnati, there came an invitation to visit this city and view the horticultural wonders as set forth at the Soldiers' Home and other places. Today we come again, increased a hundred fold, to see not only the Soldiers' Home but to see and admire the thousands of plantations in the streets, squares, and about the homes of the people; plantations that have made the name of Dayton known the world over and have been an incentive for other municipalities and an object lesson in civic cleanliness and good taste. Amid such surroundings, I trust our deliberations as a society may be immeasurably pleasant and profitable, and that as individuals we may carry away impressions and ideas that will enable us to improve our own environment, and add to the beauty and general attractiveness of the localities which we severally represent.

Twenty-two years is not a long time in the history of a nation or even of a society, but it is time enough, I think, to prove the solidity of our organization, and time enough for us to have profited by our experiences. If there was a need for an organization of this character 22 years ago, how much greater is the need today, with the enormous expansion of our business that has come in two decades. The wisdom of the fathers has been amply demonstrated. We cannot afford, however, to stand still and rest upon the records of the past,—we must put forth new efforts and keep pace with the great procession



WM. J. STEWART.
President-elect Society of American Florists.

The question comes home to us, Are we making the most of our opportunities as a society with such broad aims and splendid possibilities? Would it not be well to pause in our congratulations and our commendations and indulge in a season of introspection, and see if we cannot profit by example and still further augment our usefulness? Let us take a leaf from the history of our host city and clean up our back yard and put our front in such condition that it may be an example to all men, to the end that we may become a greater power for good in the years that are to come. Let us take an example too by the work that the National Cash Register Co. has done, and in our wider dwelling place be leaders in improvements and education.

There are certain questions that seem to crop up annually for our consideration. Occasionally one is settled; but its place is immediately taken, and it is only by constantly hammering at them that they are brought into shape and disposed of. I propose briefly to refer to the more important of these problems, not with the idea of giving you any fresh argument, but rather that they may not be allowed to rest until they are solved. Among the questions discussed by my predecessors, perhaps none are of more general importance than those pertaining to education.

We as professors of garden art and craft will continue to be looked up to as those having authority to speak, and it devolves upon us to be prepared, so far as we may, to lead in all matters relating to horticultural pursuits. How we can best reach the people who are interested in garden matters, and increase their love for vernal surroundings, as well as to implant desire where no desire exists, are questions of vital importance and worthy of our most earnest consideration. Exhibitions as a factor in education are of the greatest value. It is by the eye more than by the ear that people are instructed. The value of local displays of plants and flowers, happily on the increase, has done much to stimulate a more general love for flowers and incidentally has increased the demands for the product of our art. Probably still more far reaching on account of its greater publicity and more elaborate and comprehensive

JOHN WESTCOTT.

Vice-president-elect of the Society of American Florists.

display would be an exhibition of national character, where the entire country would be represented.

NATIONAL FLOWER SHOW.

This question of a national flower show was again before the executive committee of the society at its recent meeting in this city and was discussed at some length, and I believe no one dissented from the statement that such a show would be of the greatest benefit to our interests. The result of this discussion will appear in the committee's report.

I trust that the details of plans for such an exhibition may be perfected in the near future and that such an exhibition may be held in one of the great centers of the country. Perhaps it is unfortunate in some respects that our interests have been drawn away or divided by the organization of special societies devoted to the culture of individual flowers.

I mean that in many cases the interest in the special has overcome the interest in the general and to an extent has weakened the Society of American Florists when it comes to a question of combination of all interests in one grand exhibition. Everyone with the welfare of our society at heart must labor for the closer union between the vigorous offspring and the mother society.

TRADE EXHIBITIONS.

Trade exhibitions, as they are now conducted at our annual meetings are undoubtedly of great benefit to our members. They should be fostered, and the exhibitors should be encouraged in every way consistent with the proper disposal of the business of the convention. I deem this subject of so much importance that I would recommend that special time should be given to the examination of the exhibits. The exhibitors come to our meetings under a great expense, they contribute largely to the success of our meetings in interest and financially and I believe they should have more consideration at the hands of the makers of the programme. We can well afford to call one day exhibitor's day.

We have made an experiment with outdoor exhibits and while the result to date is not satisfactory, yet I believe the idea is good, and that this outdoor exhibition can be made an important adjunct. In order to make an exhibit of this kind a success time must be taken for proper preparation. A manager, preferably a local man, must be appointed and the ground be available a year before the date of the meeting, or better still a year and a half. It would then be possible for fall planting or even spring planting to be done and plants could be properly established and prepared. This would enable our nursery men to make an exhibit of trees, shrubs and such other hardy material as they might desire to show. A good exhibition of this character would add greatly to the interest of our meetings.

THE EXPERIMENT STATIONS.

The experiment stations are doing much valuable educational work and their publications are far reaching. Every member of this society should avail himself of his opportunity to obtain the bulletins of his state stations, and use his best endeavor to see that these stations are provided with sufficient funds to carry on their work. Any one who has been familiar with the work of these institutions for the last 20 years, cannot have failed to notice the improvement in the quality of work done.

The complaint made by many that not enough work is done for the benefit of the florist and gardener is not so just as it was years ago, and in many instances more work along these lines would be done if it were called for. If you don't ask for it, you don't get it.

HORTICULTURAL EDUCATION.

Horticultural education as provided in the public schools, is perhaps rather disappointing to many. But it must be remembered that in the common schools only the merest rudiments are possible and just how much horticultural instruction is given will depend largely upon the people of the locality.

Nature study is in many cases really a primary course in horticulture. Some of the states are showing considerable activity along this line and probably the great need at the present time is a more efficient plan of work and better prepared instructors. The way to stimulate the work is by arousing public sentiment in behalf of the value of such study.

Mr. Hallock, who has given this subject much thought, will discuss the question at the meeting.

FREE SEED DISTRIBUTION.

Free seed distribution by the federal government still continues, but the efforts being made will if continued, I doubt not, effect a discontinuance of the practice and the "hoary fraud" will be done away with.

Members of this society should give their representatives in congress no rest until this practice is abolished.

PARCEL POST.

A parcel post would be to the great advantage of most people in the trade and a great boon to the general public. The elements opposed to such public convenience are well known, and so far they have had influence enough to prevent the passage of a law establishing it. The agitation should be vigorously continued, and every means taken to impress our law makers with the necessity for such a method of transportation. We are behind most civilized countries in this respect.

THE TARIFF.

The tariff on many articles which are of necessity imported or which might be imported to our great advantage still continues to vex us. Some of the duties

imposed are indefensible as a whole and others should be greatly modified. This subject has been before us often and some action has been taken in regard to it. I would recommend the appointment of a committee whose duty it should be to lay before the proper authorities our views on the subject, and urge a revision of the duties whenever possible.

SECRETARY'S OFFICE.

To return to our more immediate concerns it seems to me that we might profitably make some improvements in the conduct of our business affairs. The secretary's office is one of the most important, as well as one of the most permanent within the society, and some changes in the manner of business might be well undertaken. In the first place the secretary should give bonds, as is now required of the treasurer. His books and vouchers should be presented at the meeting of the executive committee for audit in connection with the accounts of the treasurer, and not be passed upon in bulk in the hurry of the annual convention. His accounts as published should be itemized, for every member has a right to know just how his money is being spent and to whom it is paid. He is now the purchasing agent of the society and no check is kept upon his expenditures. I would suggest that all bills be approved by the president before going to the treasurer for payment.

The secretary should be paid an adequate salary sufficient to renumerate him for his time and incidental expenses, and this should cover them all, so that bills for extra help, etc., would not be presented to the society.

AMENDMENT TO THE BY-LAWS.

The amendment to the by-laws, in regard to manner of conducting elections will come before you at this meeting and should not fail of action as recommended by the executive committee.

MEMBERSHIP.

Membership in the society should stand high. I cannot approve of the suggestion that the dues of certain members should be made less than that of others. While it is desirable to include in our membership everyone engaged in ornamental gardening, whether he be on a private estate, in a public position or a wholesale warehouse, and an effort should be made to induce all to join; yet it should be understood that all come in on an equal footing and with equal responsibilities before the law.

The so-called private gardener of today may be a public gardener to-morrow: the employe of to-day may be, and indeed he probably will be an employer to-morrow. Nor should it be forgotten that many an employe is better able to pay dues than are some employers.

It seems to me that this society should keep in closer touch with the local organizations. It should have its accredited agent at the local flower shows and other gatherings of the craft. This would, I believe, tend to add new material to our membership list and add to the prestige of our society.

In order to do this it would be necessary to have some one detailed for the purpose, and probably the secretary of our society would be most available for the purpose.

P. J. HAUSWIRTH.

Secretary-elect Society of American Florists.

STATE VICE-PRESIDENTS.

More care should be taken in the selection of the state vice-presidents. At the present time one or two men from a locality get together and place in nomination the person who might suit them best, which as a rule is equivalent to the appointment for this office made by the president. This should be left entirely to the selection of the president when he takes office. If he should not be acquainted sufficiently with a person from that territory or locality, it would be then the duty of the president to ascertain from the local society, if there be one, or a few other members in the craft, which is the best man for him to appoint.

The office should stand for something and men should be appointed who will give some time to the interests of the society.

BUSINESS METHODS.

Business methods need more study on the part of many men engaged in trade, and this is just as true of the flower trade as of any other. No man can hope to succeed who does his business in a loose and slipshod manner. No matter how small the business, a set of books should be kept so that the standing of the business can be found at a moment's notice.

Fair dealing both in buying and selling should be the rule, and a man's word should be a little better than his bond. Do not abuse your credit and you will find business very much easier. It is true in business as well as in other things that "A good name is better than riches."

I have alluded elsewhere to the trade exhibitions, and now I wish to add a few words in regard to their management. I believe that the society should take entire charge of these exhibits. It should appoint a manager, pay all expenses and receive any profits that may arise from such exhibitions. I am well aware that the custom has been otherwise for the reason that the money realized was needed for the local people to help on the entertainment. Now this is all wrong. Is it not time that this society adopted an attitude of independence and dignity? Is it not time that this society selected its own place of meeting without putting it up to be auctioned off?

Would it not be possible for us to go in peace and quiet in some central point and hold our convention and entertain ourselves? There are many places that we could visit with profit to ourselves, where to be entertained by the local members of our trade would mean ruin to them. This entertainment has in my opinion grown to be a great evil, and an unjust tax upon the communities visited.

H. B. BEATTY.

Treasurer of the Society of American Florists.

It has reached a point in the emulation of hosts where it behooves us to stop and consider the cost. Today there are only a few of the larger cities that dare invite a convention, because they cannot make the lavish preparations that have become customary. A reform in this direction is needed.

SPORTS.

Perhaps another reform is needed in the matter of sports. Do we not give rather too much valuable time to our games? It is true that they are enjoyable to many but it hardly seems necessary to travel a thousand miles to play a game of baseball or shoot a few clay pigeons. I think we have gone a little too far, and have suffered in the attendance at our meetings because of the time taken for these contests. I do not mean to decry the social value of our meetings but is there not a better way of enjoying each other's society and one less embarrassing to the business of the convention?

I believe that these contests should be curtailed and so arranged as not to interfere with the working of the society as they do at present. Take a day for them if necessary, but let that day be after the business of the meeting is completed.

HORTICULTURAL PRESS.

One factor in the general success of our business that has received but scant notice from us, is the horticultural press. While it may be said that these publications are purely commercial enterprises, and outside of our societies, yet they contribute a great deal to our success as a society, and contain from time to time the condensed essence of the brains of our more prominent members. They are certainly worthy of our support in every way, and no man in our business can hope to be posted in the doings of our craft without the weekly perusal of these papers, advertisements and all.

IN CONCLUSION.

A word more and I am finished. It has occurred to me that many good ideas are broached after the work of our committee is done. How easy it would be for every member of this society having opinions in regard to the management of the business of the society to put his ideas in writing and send the same to the secretary at any time previous to the meeting of the executive committee.

In surrendering the office of president to my successor, I want to thank you for your loyalty and consideration, which has made the work a joy and will leave with me a most pleasant memory.

The presentation and reading of the annual reports of Secretary Stewart and Treasurer Beatty occupied considerable time. The acceptance of Secretary Stewart's report was, on motion of Mr. Hammond, accompanied with a complimentary recognition of his efficiency and fidelity throughout so many years in the service not only of the society but of all its ramifications.

A telegram was received from Theo. Wirth, of Minneapolis, a member of the executive committee, conveying his sincere wishes for a successful, progressive and joyful meeting.

The reports of state vice presidents, so far as received, were ordered printed without being read. The reports were from the following states: North Carolina, Michigan (south), Massachusetts (east), New Jersey, Louisiana, Florida, Alabama, Georgia, Massachusetts (west), Texas, Connecticut, West Virginia, Nebraska, Kansas, Illinois (north), Wisconsin and Colorado.

Reports from comimttees were called for. The peony committee (through Mr. Lonsdale) reported that no report had been prepared. The committee to co-operate with committees of the seed and nursery trade in conferring with the National Council of Horticulture, reported, through Chairman Alex. Wallace, of New York.

A brief discussion of the report followed. J. C. Vaughan, a member of the committee, spoke of the immense advantage to horticural interests from the dissemination of reliable information through the medium of the press bureau, under Mr. Burdette. He said he fully appreciated this means of encouraging the popular taste for floriculture and explained that most of the newspaper editors to whom the articles were sent had published them and had asked for more. Individual subscriptions of $10 had been made to carry on this work, and the Council of Horticulture had given $200. He suggested a contribution by the S. A. F. of a similar amount.

A motion by Geo. Watson, of Philadelphia, as amended by Mr. Vaughan, was then adopted, accepting the report, recommending an appropriation by the executive committee of the S. A. F. of $200, and providing for the appointment in the National Council of Horticulture of two members of this society.

The following appointments of judges on exhibits in the trade display were announced: Wm. Scott, of Buffalo; Harry Papworth, of New Orleans; and Chas. Vick, of Rochester, N. Y.

Chas. T. Guenther, of Hamburg, N. Y.; F. C. Weber, of St. Louis, and Ed. Wintersen, of Chicago, were appointed judges on the essays to be presented for the competitive prize. The last named was a substitute for John B. Nugent, of New York.

As judges on the gold and silver medal prizes offered by the Dayton Florist Club for a paper on the best landscape gardening the following were appointed: Prof. J. F. Cowell, of Buffalo; Edwin Lonsdale, of Philadelphia; and H. D. Steeley, of Indiana.

Secretary Stewart's Report.

I find it hard to realize that this is my nineteenth annual report as secretary. Twenty years seems a long period to look forward to but very short in retrospect. Some of us who are awakening to the fact that the years count up very rapidly, and that conventions

come around with alarming frequency of late, can, however, take some comfort from Emerson, who wrote, "We do not count a man's years until he has nothing else to count." It is to be hoped that each and every one of us may be immune from year-counting for many

ON THE DAYTON CONVENTION GROUNDS.

a year to come. To quote again from the same writer "Nothing great was ever achieved without enthusiasm." Dayton has been long on enthusiasm for many months, hence this truly great convention-opening and, as nothing is more infectious than healthy enthusiasm, it is not difficulty to forecast what kind of a convention this, which we are now entering upon, is to be.

You all know that the executive board met here last spring, that we had a good time as executive boards always do and that we worked long and hard as executive boards also always do. The programme as printed discloses but scantily the quantity and quality of oratory which is promised as various important subject are brought forward and he who thinks to stay away from any of the sessions little realizes what he will miss.

Among the recommendations of the executive board is, first, the proposition that at all future trade exhibitions the net profits therefrom be equally divided between the national society and the local organization. As this is a matter to be adjusted by the executive board each year, the main reason for referring to it here is that organizations planning to invite the society to visit their city may know before extending any invitation and govern themselves accordingly. The outdoor exhibition, wisely planned, earnestly urged and generously carried out so far as the society and its Dayton friends are concerned, has not received the support that should have been given it by the plant growers and nursery trade generally. The project is on right lines, however, and should have another opportunity next year.

Recognizing the need of some better method of instruction in horticulture for young men, a sub-committee was appointed to confer with agricultural college officials and it was voted to recommend to the society the appropriation of a sum not to exceed $150 toward the carrying out of some practical plan of cooperation between the society and the college.

According to instructions by the society the scheme of numbered badges and a key book for members has been put in operation, and the name of every member registered up to July 15, 1906, appears therein. Other important transactions by the executive board are fully disclosed in the various items of the official programme which you have before you.

Acting on the complaint of members living in New Jersey an effort was made by your secretary and also by the chairman of the legislative committee to get from the manager of the U. S. Express Co. a statement as to the reasons for the increased transportation charges made since last May upon flower shipments from New Jersey points to New York City, but we were met with a very decided refusal to give any explanation. A second request did not even received the courtesy of an answer. Your secretary, in the meantime, had been making some investigations as to our privileges under the new interstate commerce act, and on August 7, 1906, wrote the following letter:

Boston, August 7, 1906.

Mr. T. M. Jones, Mgr.,
U. S. Express Co., New York.

Dear Sir:—

Referring to my letter of May 11, 1906, which thus far remains unanswered, I beg to state that in view of the universal sentiment of protest on the part of flower growers who are members of our society and whose interests are affected by the advanced rates on flowers shipped from producers in your territory to the New York wholesale market, I deem it to be my duty to submit this matter to the interstate commerce commission for investigation and adjustment, as is my privilege under the provisions of section 13 of the amended interstate commerce act, unless I receive some assurance from you that the increased charges complained of will be given prompt reconsideration by your company.

It would give me much pleasure to be able to report to our society at its convention in Dayton, Ohio, August 21-24, that the United States Express Co. had taken this question under advisement and hoped to be able to announce a rate which would be generally accepted as just and reasonable.

Yours respectfully,
(Signed) WM. J. STEWART,
Secretary.

This letter shared the same fate as its predecessor, no acknowledgment having thus far been received. I believe we have a good case. I know that the interstate commerce commission will give us a prompt and courteous hearing, and hope we shall be able to arrange for the appearance of our legislative committee with necessary witnesses before that body at an early date.

Regarding the domestic-grown narcissus bulbs exhibited by a Virginia grower last year which were submitted to J. F. Sullivan for testing, that gentleman reports that he gave them identically the same treatment that was given the foreign-grown bulbs of the same varieties and found the flowering qualities to be of substantially the same good value.

OUTDOOR EXHIBITS AT THE DAYTON CONVENTION.

Medals have been delivered during the past year as follows:

Robert Craig & Son, Philadelphia, a bronze medal for Ficus pandurata exhibited at the Washington convention.

Louis Wittbold, Chicago, a bronze medal for mechanical watering system exhibited at the Washington convention.

Dennison School, Washington, D. C., through Miss Susan B. Sipe, bronze medal for superior work in gardening, October 16, 1906.

Through the American Carnation Society, January 24, 1906, a silver medal to Cottage Gardens Co. for carnation Mrs. C. W. Ward and a bronze medal to Cottage Gardens Co. for carnation Robert Craig.

Through the Cincinnati Florists' Society, March 10, 1906, a silver medal to R. Witterstaetter for carnation Afterglow, and a bronze medal to Minneapolis Floral Co. for rose Miss Kate Moulton.

New plant names have been registered since my last report as follows:

August 26, 1905.—Canna, Uncle Sam, by Conard & Jones Co., West Grove, Pa.

October 14, 1905.—Rose, Triumph, by Peter Henderson & Co., New York.

October 28, 1905.—Canna, Vesuvius, by Peter Henderson & Co., New York.

November 11, 1905.—Cannas, Prince of India, Jupiter, Venus, by Conard & Jones Co., West Grove, Pa.

December 23, 1905.—Carnations, Winsor, Helen M. Gould, White Enchantress, by F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

January 27, 1906.—Rose, Helen Good, by United States Nursery Co., Mich, Miss.

February 17, 1906.—Sweet peas, Mrs. Alex. Wallace, J. K. Allen, Christmas Enchantress, Jack Hunter, Mrs. C. Wild, Christmas Meteor, by A. C. Zvolanek, Bound Brook, N. J.

February 24, 1906.—Roses, Christine Wright, Columbia, by Hoopes Bro. & Thomas, West Grove, Pa.

March 10, 1906.—Canna, Superior, by Wm. Schray & Sons, St. Louis, Mo.

March 10, 1906.—Alternanthera aurea robusta, by Wm. Schray & Sons, St. Louis, Mo.

March 10, 1906.—Sweet peas, Secretary Wm. J. Stewart, Mrs. W. W. Smalley, by A. C. Zvolanek.

March 24, 1906.—Cannas, Dr. Wm. Saunders, Ottawa, by Conard & Jones Co., West Grove, Pa.

April 7, 1906.—Sweet peas, Mrs. Wm. Sim, Mrs. F. J. Dolansky, Samuel J. Trepess, Maxwelton, Caroline Whitney, by A. C. Zvolanek, Bound Brook, N. J.

April 21, 1906.—Sweet peas, Mrs. J. F. Hannay, Marion Staniford, Miss Jossie Riedley, by A. C. Zvolanek, Bound Brook, N. J.

April 22, 1906.—Cannas, Mount Washington, Mount Zion, Henry George, Telegraph, Inman's Choice, Britta, Golden Cluster, Sensation, Uwanta, Thelma, Pansy Read, Crown of Gold, Admiral Togo, Gold Mine, Queen or Orange, The American Duchess, Golden Dawn, Royal Neighbor, Golden Express, Amalgamated, Ohio, Buckeye, Dayton, Nymphea, Leader, Royal Bronze, Fairhope, by the Southern Floral Nursery Co., Fruitdale, Ala.

May 5, 1906.—H. P. Rose, Charles Wagner, by Conard & Jones Co., West Grove, Pa.

May 12, 1906.—Dendrobium nobile Mrs. Lars Anderson, by Duncan Finlayson, Jamaica Plain, Mass.

June 9, 1906.—Cannas, Queen of Beauty, Flashlight, Majestic, Bronze King, Giraffe, Moonlight, Blushing Belle, Southern Pride, Alabama, Mississippi, Bucatunna, Gen. Kuroki, Tom L. Johnson, Emerald, Perfection, Daybreak, Sunbeam, Jumbo, Gov. Patterson, Chautauqua Jr., by the Southern Floral Nursery Co., Fruitdale, Ala.

June 23, 1906.—Nepholepis Fruckii and Beryii, by Henry C. Fruck, Grosse Point Farms, Mich.

June 14, 1906.—Rose, Aurora, by Paul Niehoff, Lehighton, Pa.

July 21, 1906.—Hydrangea arborescens alba grandiflora, by the E. G. Hill Co., Richmond, Ind.

August 11, 1906.—Laelio-Cattleya, Lady Bernice, by Lager & Hurrell, Summit, N. J.

BEFORE THE PRESIDENT'S RECEPTION AT WELFARE HALL.

We have lost nine members by death since my last report:

C. G. Nanz, Louisville, Ky., August 17, 1905.

J. C. Rennison, Sioux City, Ia., February 24, 1906.

Aug. Rhotert, New York, April 9, 1906.

C. H. Kunzman, Louisville, Ky., May 22, 1906.

Geo. H. Rowden, Wallingford, Conn., May 17, 1906.

Hans Bartels, Milwaukee, Wis., April 30, 1906.

Abraham Hostetter, Manheim, Pa., April 18, 1906.

William Schray, St. Louis, Mo., May 15, 1906.

James Hartshorne, Joliet, Ill., August 6, 1906.

Other membership statistics are as follows: Whole number of members as per printed report for 1905, was 889, of whom 114 were life members. This included four life members and 173 annual members who had been added or reinstated during the year. The acquisitions are credited as follows: Alabama, Colorado, Iowa, Louisiana, New Hampshire, Rhode Island, one each; California, Missouri, North Carolina, Virginia, Ontario, Manitoba, two each; Indiana, Wisconsin, three each; Connecticut, Georgia, Kentucky, four each; New Jersey, eight; Illinois, 10; Maryland, Michigan, 12 each; District of Columbia, Ohio, 13 each; Massachusetts, 18; New York, 26; Pennsylvania, 29.

The number of lapses during the year of members who had paid dues for the previous year but either resigned or failed to respond in 1905, was 111. These delinquencies are chargeable to the various states as follows: California, Kentucky, Maryland, Maine, Rhode Island, Texas, Ontario, one each; Colorado, Georgia, Kansas, Oklahoma, South Carolina, Tennessee, two each; Connecticut, Iowa, Minnesota, New Jersey, three each; Indiana, four; Michigan, five; Wisconsin, seven; Ohio, eight; Pennsylvania, nine; New York, 12; Missouri, 13; Illinois, 22. The list of names of delinquents in each state was sent from the secretary's office to its respective vice-president. A few of the vice-presidents reported; from the majority no response was received.

It is, I think, generally known among the members that I have decided not to be a candidate for re-election to this office which with rare and generous confidence you have placed in my keeping for so many years. Since that day, 19 years ago, in Chicago, when I had the privilege of thanking you for the honor you had conferred in unanimously selecting me as the successor in office of such men as E. G. Hill and Edwin Lonsdale, many changes have come about. Very many loyal workers for the society whose friendships were so dear to us have been called away never to return. In meditating on the changed conditions and tremendous horticultural growth of this epoch in the society's

CHILDREN'S GARDENS, DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.

Class ready for home with the products of their plots.

history I feel that, while the ambitions and aims of the pioneers have in some respects fallen short of realization, yet, as societies go, this society has done well. The balance in the treasury as reported at the Chicago convention 19 years ago, was $32.35. With this, our treasurer's report which you are about to listen to, will compare favorably.

Our membership, however, is not what it should be. Everyone identified with any department of horticulture is a sharer in the general benefits which the existence and the direct work of the society has made possible, and it is much to be regretted that thus far no effective means has been found of bringing the great mass of those engaged in those pursuits to do their share toward the support of the institution which has done so much for them and might do so much more if it could only have the necessary backing.

In seeking to be relieved from the responsibilities of the secretaryship I can assure you that my interest in the society's welfare will continue unabated, and I shall be ready at all times in the ranks to do whatever lies in my power for the grand old society whose burdens and whose joys have been so peculiarly my own for so many years.

Treasurer Beatty's Report.

The report of Treasurer H. B. Beatty, Pittsburg, Pa., was read as follows:

GENERAL FUND.

The balance on hand January 1, 1905, was $2,923.07. The receipts of the year were $2,403.44. The year's disbursements amounted to $1,843.55, leaving a cash balance on hand December 31, 1905, of $3,482.96.

LIFE MEMBERSHIP FUND.

In the life membership fund the balance on January 1, 1905, was $2,819.96. The receipts of the year were $911.56, increasing the life membership fund to $3,731.52.

This left a total cash balance on hand December 31, 1905, of $7,214.48, deposited as follows: Home Trust Co., Pittsburg, $1,184.89; Citizens Banking Co., Oil City, $2,298.07; and Germania Savings Bank, Pittsburg, $3,731.52.

The President's Reception.

On Tuesday evening the members of the convention and their ladies were the guests of the National Cash Register Co. Far Hills, the country home of the president of the company, John H. Patterson, had been appointed as the place of entertainment, but a heavy rain necessitated a change to Welfare hall at the company's works. Here the visitors were cordially received by Manager A. W. Sinclair. Members of the Dayton Florists' Club and their families and members of the company's board of directors were present. Supper was served in the mammoth employes' dining hall, where covers were laid for 1,200. There were the usual accompaniments of floral decorations and vocal and instrumental music. General Manager Wm. Pflum greeted the guests.

He said the presence of the convention was an honor to the city, and the company felt specially honored by their visit on the present occasion. He assured them that Mr. Patterson, who was now abroad, would have been pleased to meet each and every one of them and gain some points of interest to him in landscape gardening, as this was a feature of welfare work in which he and his company had taken a deep interest. By means of it they had changed the character of the locality about their works and increased the value of property there. They believed that a great manufacturing establishment should stand for civic improvement, and they regarded landscape gardening as an essential feature of civic improvement. He said the florists could do much to promote the improvement and beautification of cities, and they deserved to be encouraged in their work.

In beautifying the neighborhood of its factory the National Cash Register Co. had found that it pays them to give their people beautiful and healthful surroundings because men and women are thereby better fitted and better able to carry on their work. Viewing it from a money standpoint, he said, it was well known that, in the selection of a residence, people always gave the preference to a beautiful suburb planted in grass and shrubbery, and in such localities real estate did not deteriorate in value. He expressed the belief that no organization was in a position to do more good to humanity than the one he now addressed and he invited criticisms and suggestions from its members to aid his company in their work of outside ornamentation.

George Asmus.

Chairman convention sports committee.

The president's reception, which followed Manager Pflum's address, was participated in by all present. President Kasting was assisted in receiving by the officers of the society and their wives, and everybody was afforded an opportunity for a hearty handshake and a few moments of social converse with the official head of the society and his associates. An exhibition of stereopticon views of Japanese, Chinese and American landscape gardening, scenes in the great train robbery, and a series of lantern effects showing what had been accomplished in beautifying the neighborhood closed the entertainment, which was a most enjoyable one throughout.

Wednesday's Proceedings.

The session opened with the reading of a letter from F. R. Pierson, of Tarrytown, N. Y., of the committee to confer with committees of the nursery and seed trade associations on legislative matters. He stated that Mr. Page, of the latter, had been active in an effort to obtain the pound rate on seed catalogues, but that, because of the pressure of legislation at Washington it had been deemed advisable not to press for action at present. On motion of Alex. Wallace, the report was accepted and the committee continued.

Jas. L. Cowles, secretary of the Postal Progress League, was invited to address the convention. He advocated the pending postal bill (H. R. 4549) consolidating third and fourth class mail matter at the third class rate. He said that the United States Express Co., under an existing contract with the English postoffice, is carrying English postal packages from New York city all over this country, weighing from 3 to 11 pounds, at a common rate of 24 cents. He thought therefore it was reasonable for florists to demand an 8-cent-a-pound parcel post here. In 1874 all kinds of merchandise were handled by the United States postal service at the rate of one cent for two ounces or eight cents per pound, yet today the rate on general merchandise is 100 per cent higher than it was then. He charged that the backwardness of our postal service was because for many years its management had been in the hands of its foes and the appeals of commercial organizations for relief had been disregarded by the postal committee of the house of representatives. He urged his hearers to secure a reform by making the matter an issue in the coming congressional elections.

After remarks by Messrs. Hammond, Vaughan and Scott, a resolution, offered by the latter, endorsing the pending postal bill, was unanimously adopted. Reports of state vice-presidents were received from Mr. Dorner of Indiana and Mr. Ludwig of western Pennsylvania.

The convention then proceeded to select a meeting place for 1907, and after the claims of the applicants for the honor had been presented at much length, a ballot was taken and resulted in the choice of Philadelphia by the following vote: Norfolk, 1; Chicago, 1; Jamestown, Va., 1; Niagara Falls, 101; Philadelphia, 131.

Nominations of officers for the ensuing year resulted as follows: For president, Wm. J. Stewart, of Boston (one nomination); for vice president, John Westcott, S. S. Pennock and Leo Neissen, of Philadelphia; for secretary, H. M. Altick, of Dayton, Ohio, and P. J. Hauswirth, of Chicago; for treasurer, H. B. Beatty, of Oil City, Pa.

The amendment to the by-laws reported by the executive board, providing for additional ballots when there has been a failure to elect, was adopted.

On motion of Mr. Scott, of Buffalo, a telegram of sympathy was sent to Patrick O'Mara, of New York, ex-presi-

dent of the S. A. F., who had been detained at home by the recent death of his brother.

An address on "Teaching Horticulture in the Public Schools," was read by E. V. Hallock, of New York. A brief discussion emphasizing the salient points of the address was participated in by Benj. Hammond, of Fishkill, N. Y.; Alex Scott, of Buffalo; E. G. Hill, of Richmond, Ind.; Wm. F. Gude, of Washington, D. C.; and on motion of Mr. Hallock, two additional members, Prof. John F. Cowell, of Buffalo, N. Y., and F. E. Palmer, of Brookline, Mass., were added to the committee on the subject.

During the day a communication was read from the Detroit Florists' Club, referring to the ravages of a disease which has attacked the aster plants in the field, and usually termed stem-rot. It first appears just beneath the surface of the soil, where the stem suddenly becomes black, and gradually eats into the heart of the stem. The club suggested that an appropriation be made for a scientific investigation of the disease. E. A. Scribner, of Detroit, moved to defer action in view of the vast importance of the subject, which motion was passed.

At the evening session the prizes offered by the Dayton Florists' Club for the best landscape designs were awarded as follows: A gold and a silver medal to Mr. Shibe, of the National Cash Register Co.; a gold medal to G. H. Talyor, New York; a silver medal and a bronze medal to Mr. Fridenberger, of the N. C. R. Co.; and a bronze medal to Olmsted Bros., Brookline, Mass. Fred E. Palmer, Brookline, Mass., read an interesting paper on "The Ideal Private Gardener and his Work," which was accorded a vote of thanks.

The session was mainly occupied in the discussion of recommendations in the president's address. The one for a committee on tariffs was discussed at length. J. C. Vaughan moved its reference to the present committee on relations with the nurserymen's and seedmen's associations for action.

E. V. Hallock and Benj. Hammond asked that it be definitely determined whether the committee was to ask for a tariff reduction on a staple article like glass, or merely to try to remedy arbitrary rulings and penalties.

The discussion took a wide range. E. G. Hill denounced the Dingley tariff rates on glass and other florists' materials as iniquitous, that on glass having been doubled without reason. He urged that congress be memorialized for relief.

Col. W. W. Castle, of Boston, suggested that the effective way of applying a remedy for onerous tariff conditions was not by petitions to congress that are generally pigeon-holed, but by personal solicitations of congressmen by their florist constituency. He believed the time had come when the whole country realized that the tariff was no longer for the protection of American labor, but only for the advantage of monopolists and trusts. Manufacturers, not artisans, were its beneficiaries. He denied that American labor needed protection in the manufacture of any article whatever, whereas the only man who paid the tariff tax was the consumer or user of the article. He recommended that the committee of the society go to the committee on ways and means at Washington and demand relief from the glass tariff in the name of the florists and horticulturists of the country and of the millions of capital invested in their industry.

ANNUAL EXHIBITION OF THE NEWPORT HORTICULTURAL SOCIETY.

Best specimen palm, awarded first prize.—See page 219.

E. G. Hill endorsed the statement that remedial legislation was only to be had by plain talk to congressmen about tariff robbery. He spoke of his own efforts in this direction at Washington and asserted that popular sentiment favored tariff revision.

W. H. Elliott, of Brighton, Mass., argued that before informing congress of its views on the tariff the society should determine what its views were so that it could demand a specific rate. He said that when the last change in the tariff on glass was made the manufacturers wanted an increase from one cent and a quarter to one cent and a half a pound, but made the figure a quarter of a cent higher in the expectation of a shave of a quarter of a cent. The full rate was given them, the effect of which practically was to double the market price. The society should now agree to ask for a reduction to either one cent or one cent and a quarter.

Wm. Scott, of Buffalo, commented good naturedly upon the political turn the discussion had taken and that the sentiment was the same which he had entertained in voting for Grover Cleveland.

Col. Castle disclaimed being actuated by any political bias, but solely by the interests of the trade. He declared that a certain presidential candidate was correct when he called the tariff a local issue; and the truth of this was shown in the conflicting interests of different sections, protection of iron being demanded in Pennsylvania, free hides in Massachusetts, and other localities having their pet hobbies. The fear that these might be touched prevented congressmen from reducing the exorbitant tax on greenhouse glass. A. Wintzer, of Pennsylvania, called attention to the tariff on lumber for greenhouse use as equally unjustifiable and indefensible.

Robt. Craig, of Philadelphia, explained that the florists' clauses in the McKinley and Wilson tariffs had been written by himself and that their reasonableness commended them to the senate committee, which adopted them promptly. He thought the difficulty at present was because of the opposition to tariff revision generally, Uncle Joe Cannon, representing the party in power, having declared against it. He suggested that a definite tariff rate for

glass be agreed upon and that the society await a more favorable time for presenting it. Mr. Elliott remarked that the agitation of tariff reform would hasten revision. Messrs. Scott, Hammond and Lenker participated in the discussion.

ciently made by the Department of Agriculture at Washington than by the S. A. F.

Upon the suggestion of J. C. Vaughan it was ordered that a copy of the communication of the Detroit Florists' Club on this subject be sent to Dr. B.

F. L. ZIEGLER'S FLOAT AT THE NEWPORT, R. I., CARNIVAL.

Mr. Vaughan's motion was finally adopted and the subject referred to the committee with instructions to ask congress for a reduction on glass used for greenhouse purposes. Members were requested to give the committee their views.

The president's recommendation relating to the secretary was taken up, and on motion of Mr. Vaughan, an allowance was made for his traveling expenses in attending meetings and exhibitions of kindred societies; $200 was fixed as the amount.

Thursday's Proceedings.

J. G. Esler was the inspector and E. G. Gillett, J. F. Sullivan and Fred. Meinhardt the tellers in the election of officers. The balloting resulted as follows: For president, Wm. J. Stewart, 245; J. A. Valentine, 1. For vice president, John Westcott, 129; S. S. Pennock, 70; Leo Neissen, 42. For secretary, P. J. Hauswirth, 181; H. M. Altick, 62. For treasurer, H. B. Beatty, 246.

A letter was read from E. Albertson, of the Nurserymen's Association, detailing the advantages of the universal tag as a substitute for special tags in the handling of nursery stock.

Two ably written papers by representatives of the east and the middle west, upon "Recent Improvements in Retailers' Methods of Offering Flowers," were read by Wm. F. Gude, of Washington, D. C., and Irvin C. Bertermann, of Indianapolis. The papers were much applauded and votes of thanks were tendered to their authors.

The question box monopolized the time of the session. The first subject was as to an investigation of and a remedy for the aster disease which is troubling the growers in Detroit and elsewhere. The consensus of opinion, as developed by the discussion, was that the investigation could be more efficiently made by the Department of Agriculture at Washington than by the S. A. F.

Upon the suggestion of J. C. Vaughan it was ordered that a copy of the communication of the Detroit Florists' Club on this subject be sent to Dr. B. M. Duggar, of Columbia, Mo., the pathologist of the society, for a report thereon; also that application be made to the Agricultural Department and that the information secured from these sources be given to the Detroit Florists' Club.

Geo. C. Watson, of Philadelphia, objected to this as undue favoritism to a single locality by giving it advance information and ignoring all other localities in which the disease existed. This objection was obviated by an instruction to the secretary to publish the reports that may be received in the trade journals.

The next question, "Is a stove plant a greenhouse plant?" elicited a diversity of views, but the general sentiment was that the latter term included the former and that the matter was not of sufficient importance to require precise interpretation. It was laid on the table without action.

The next question was, "Is it to the benefit of the trade for originators of new cannas to name and disseminate a long list of varieties having no desirable merit over existing varieties?" A discussion followed in which Mr. Vaughan pointed out the necessity for a standing committee on the canna, such as the society formerly had, whose approval would be necessary to secure the registration of new varieties. Peter Bisset said he thought it had been made too easy for any one who raised seedlings to have them registered and made a standard by the society. He preferred to have a committee that would pass upon every plant offered for registration.

Secretary Stewart explained that, according to his own understanding, his registration of a variety had no bearing upon its quality and was not an endorsement of it as a thing of value, but was simply the registering of its name, so that the grower of the product might have exclusive use of that name.

Alex. Wallace made the point that, under the by-laws, registration did not go further than merely to give a description of a new plant. Mr. Coles regarded the proposition for a general committee to supervise all plants as too broad and impracticable. After further discussion by Messrs. Watson, Read, Hagenburger, Dillon and Wintzer, a motion by Mr. Vaughan, creating a canna committee, was adopted.

On motion of Mr. Traendly, President Kasting was selected as one of the two delegates to the National Council of Horticulture. Robt. Craig, of Philadelphia, was appointed as the other delegate.

On motion of Mr. Scott, one of the judges in the trade exhibition, the executive committee was recommended to make a rule requiring every exhibitor to make an entry of his exhibit as soon as permission for staging it was given.

IN THE DAYTON EXHIBITION HALL.

L. H. Read announced that a conference would be held at the hall in the afternoon upon the advisability of forming a national canna association.

W. S. Powell, of the bureau of credit of the Wholesale Seedmen's League, read a paper explaining the operations of the bureau.

At the evening session presentations of testimonials were made by the society to President Kasting and Secretary Stewart—to the former a silver tea set and to the latter a bag of gold.

The proposed national flower show was discussed by Robt. Craig, E. G. Hill, J. C. Vaughan, Wm. F. Gude, E. V. Hallock and Geo. Watson, and the following was adopted:

Resolved, That if the exhibition be held it shall be in the month of November, 1908, in the city of Chicago; that the date of the annual meeting shall be changed from August to November, so that the exhibition and annual meeting shall be held at the same time and place, and that the executive committee be empowered to prepare for and hold the proposed exhibition.

After adjournment the members visited Far Hills and witnessed the illumination of the grounds.

A session of the convention will be held on Friday morning to dispose of unfinished business.

ANNUAL EXHIBITION OF THE NEWPORT HORTICULTURAL SOCIETY.—See page 219.

The Trade Exhibition.

The trade exhibition was located in the central pavilion at the fair grounds. Among those exhibiting were the following:

Robert Craig & Son, Philadelphia, Ficus pandurata, crotons and other decorative plants.

John Scott, Brooklyn, N. Y., decorative plants and Scottii ferns.

E. Amerpohl, Janesville, Wis., Nephrolepis Amerpohlii.

Vaughan's Seed Store, Chicago and New York, palms, ferns, Baby Rambler roses and bulbs.

Carl Hagenburger, Mentor, O., cyclamens and other plants.

Henry A. Dreer, Philadelphia, Bougainvillea Wm. K. Harris, palms and decorative plants.

A. T. Boddington, New York, bulbs.

J. A. Peterson, Cincinnati, Boston and Piersoni ferns, Pandanus Veitchii, Begonia Gloire de Lorraine and Adiatum Farleyeuse.

C. Winterich, Defiance, O., cyclamens.

Joseph Heacock, Wyncote, Pa., palms.

H. R. Carlton, Willoughby, O., Governor Herrick violet.

John Lewis Childs, Floral Park, N. Y., Gladiolus America.

Cushman Gladiolus Co., Sylvania, O., gladioli.

Hinode Florist Co., Whitestone, N. Y., Japanese plants.

Henry H. Barrows & Son, Whitman, Mass., Nephropelis ferns, Whitmani and Barrowsii.

Julius Roehrs Co., Rutherford, N. J., crotons, ferns, palms and other plants.

Storrs & Harrison Co., Painesville, O., nephrolepis.

Geo. A. Kuhl, Pekin, Ill., nephrolepis.

Henry F. Mitchell Co., Philadelphia, plant tubs.

Frank Hintsman, Cincinnati, aspidistras.

Lemuel Ball, Philadelphia, palms and decorative plants.

Livingston Seed Co., Columbus, O., Begonia Semperflorens.

Charles D. Ball, Philadelphia, palms and decorative plants.

Lewis Ullrich, Tiffin, O., Tiffin geranium.

H. Bayersdorfer & Co., Philadelphia, florists' supplies.

Wm. Sim, Cliftondale, Mass., Comet tomato.

Lager & Hurrell, Summit, N. Y., orchids.

H. J. Smith, Hinsdale, Mass., hardy ferns and Christmas trees.

Samuel S. Pennock, Philadelphia, ribbons and other supplies.

Wertheimer Bros., New York, ribbons.

J. Stern & Co., Philadelphia, florists' supplies.

The Herendeen Manufacturing Co, New York, Furman boilers.

Lord & Burnham Co., Irvington-on-Hudson, N. Y., boilers and building material.

Advance Co., Richmond, Ind., ventilator machines.

W. H. Elverson, New Brighton, Pa., flower pots.

The Heim Support Co., Connersville, Ind., carnation supports.

ANNUAL EXHIBITION OF THE NEWPORT HORTICULTURAL SOCIETY.
First prize group of palms, ferns and foliage plants.—See page 219.

Arthur Cowee, Meadowvale Farm, Berlin, N. Y., Groff's hybrid gladioli.

Davis Bros., Morrison, Ill., nephrolepis.

F. R. Pierson Co., Tarrytown, N. Y., the Tarrytown fern and bulbs.

Metairie Ridge Nursery Co., New Orleans, Pandanus Veitchii and other decorative plants.

C. S. Ford, Philadelphia, palms and ferns.

S. H. Shoup, Dayton, O., florists' designs.

The Dayton Paper Novelty Co., Dayton, O., flower boxes.

Dayton Supply Co., Dayton, O., sprayers.

A. Dietsch Co., Chicago, greenhouse material.

L. Baumann & Co., Chicago, florists' supplies.

M. Rice & Co., Philadelphia, ribbons and supplies.

Reed & Keller, New York, florists' supplies.
Holly-Castle Co., Boston, electric circulator.
Lockland Lumber Co., Lockland, O., greenhouse materials.
Quaker City Machine Works, Richmond, Ind., ventilator machines.
E. Hippard, Youngstown, O., standard return steam trap.
King Construction Co., North Tonowanda, N. Y., greenhouse building materials.
A. H. Hews & Co., North Cambridge, Mass., fancy earthenware and flower pots.
Ionia Pottery Co., Ionia, Mich., flower pots.
The Roseville Pottery Co., Zanesville, O., pottery.
The Kramer Bros. Foundry Co., Dayton, O., vases and garden furniture.
Wm. F. Kasting, Buffalo, N. Y., cement bench and soil pulverizers.
Hummel & Downing, Milwaukee, folding boxes.
Morehead Mfg. Co., Detroit, Mich., steam traps.
Daniel B. Long, Buffalo, N. Y., florists' photographs.
Kroeschell Brothers Co., Chicago, boilers.
Louis Wittbold, Chicago, watering system.
Schloss Bros., New York, ribbons.
A. Q. Wolf & Bro., Dayton, O., improved cable ventilating apparatus and dump sieve soil machines.
J. H. Broxey, Dayton, O., carnation supports.
C. S. Ford, Philadelphia, palms, ferns and supplies.
Oakwood Pottery, Dayton, O., flower pots.
Dayton Fruit Tree Label Co., Dayton, O., labels.
Lowe Bros. Co., Dayton, O., paints.
Benj. Hammond, Fishkill-on-Hudson, N. Y., paint, putty and insecticides.
E. A. Beaven, Evergreen, Ala., fadeless sheet moss.

OUTDOOR EXHIBITS.

Vaughan's Seed Store, Chicago, cannas, Baby Rambler roses, salvias, etc.
Nathan Smith & Sons, Adrian, Mich., cannas, geraniums, etc.

The Judges' Report.

Awards were made by the judges as follows:

PLANTS.

Edw. Amerpohl, Janesville, Wis., for Nephrolepis Amerpohlii; certificate of merit. No large specimens on exhibition, but of all the nephrolepis very distinct and worthy of the highest award. One of the best novelties on exhibition.

Carl Hagenburger, West Mentor, O., new fern not yet named; not distinct from older varieties.

Lewis Ullrich, Tiffin, O., for new seedling single red geranium; honorable mention. Good single scarlet, evidently a free bloomer.

H. R. Carlton, Willoughby, O., new single violet Governor Herrick. A lot of young plants showing health and vigor, but too early in season to judge of the merits of flowers.

Fred Windmiller, of the Livingston Seed Co., Columbus, O., for begonia, new semperflorens hybrids; honorable mention. A free flowering semperflorens type.

Frank Huntsman, Cincinnati, O., aspidistras; a fast growing form of A. lurida.

Wm. Sim, Cliftondale, Mass., for Comet tomato, honorable mention.

Robt. Craig & Co., Philadelphia, Pa., for Ficus pandurata, certificate of merit. A grand decorative plant.

H. A. Dreer, Philadelphia, Pa., for Bougainvillea, W. K. Harris, certificate of merit.

Storrs & Harrison Co., Painesville, O., for Nephrolepis Leedii, honorable mention. Sport from Piersoni.

John Lewis Childs, Floral Park, N. Y., Phœnix Rœbelenii; judges believe it to have been exhibited before.

CUT BLOOMS.

Vaughan's Seed Store, Chicago, for Gladiolus Mrs. Francis W. King, certificate of merit.

Arthur Cowee, Berlin, N. Y., 16 new varieties of Groff's hybrid gladioli, five varieties; certificates of merit.

James Vick's Sons, Rochester, N. Y., for Vick's Violet and King asters, honorable mention.

MISCELLANEOUS.

The Herendeen Manufacturing Co., Geneva, N. Y., for new three-piece sectional boilers, certificate of merit. Will burn soft coal, so the manufacturers assert.

Lord & Burnham Co., New York, for dust-proof gear; certificate of merit; for new truss house gutter; highly commended and worthy of certificate. This firm exhibited a new form of Burnham boiler said to be adapted for hard and soft coal.

King Construction Co., North Tonawanda, N. Y., for new gutter and ventilator, certificate of merit.

Morehead Mfg. Co., Detroit, Mich., for Morehead trap, certificate of merit.

Kroeschell Bros., Chicago, for scale bearing shaking grates for all kinds of boilers, certificate of merit; Ideal chain wrench on Kroeschell scale bearing grate, certificate of merit.

G. C. Myers, Dayton, O., for the Yankee clamp, highly commended. The latest hose and pipe clamp.

W. F. Kasting, Buffalo, N. Y., for patent cement indestructible bench, certificate of merit.

Heim Support Co., Connersville, Ind., carnation support; special mention.

J. H. Broxey, Dayton, O., for carnation support, certificate of merit.

M. Rice & Co., Philadelphia, Pa., for adjustable baskets for plants for table decorations, highly commended; novelty effect in birch bark square pots, pot covers and sleighs for table and favor use, highly commended.

Dayton, Supply Co., Dayton, O., spraying apparatus and Simplicity spray pump; judges considered the Simplicity pump a most useful implement.

S. S. Pennock, Philadelphia, Pa., for pearl pins for corsage bouquets, ribbon for autumn foliage and a novel violet ribbon, highly commended.

H. Bayersdorfer & Co., Philadelphia, Pa., fancy imported stone ware and other novelties; highly commended.

Reed & Keller, New York, cycas holders, new casket and standing designs, tub and pan baskets, decorative wire for table, etc.; highly commended. Very beautiful and novel designs.

Schloss Bros., New York, a novel effect for violets; combination violet and green novelty for violets, moire novelty for violets; highly commended.

J. Stern & Co., Philadelphia, Pa., prepared Christmas trees, prepared variegated magnolia and wreaths; highly commended. Natural prepared maidenhair ferns and prepared cycas leaves with chrysanthemums; highly commended.

Dayton Paper Novelty Co., Dayton, O., new design violet box, embossed; highly commended.

Wertheimer Bros., New York, new violet ties, lace effect chiffons, foliage American Beauty ribbons, new and original design in ribbon for American Beauty roses; highly commended.

E. A. Beaven, Evergreen, Ala., fadeless sheet moss, highly commended.

Those Present.

The attendance was quite heavy and with arrivals daily up to the last day, many names were missed:

Frank Adelberger, Wayne, Pa.
Gustav Adrian, Cincinnati, O.
Edw. Amerpohl, Janesville, Wis.
E. C. Amling, Chicago.
J. F. Ammann, Edwardsville, Ill.
Geo. H. Angermueller, St. Louis, Mo.
Geo. Asmus, Chicago.
Julius Baer, Cincinnati, O.
Max Baer, Pittsburg, Pa.
O. L. Baird, Dixon, Ill.
Chas. D. Ball, Holmesburg, Pa.
Lemuel Ball, Philadelphia, Pa.
A. Barbe, Kansas City, Mo.
M. Barker, Chicago.
Henry H. Barrows, Jr., Whitman, Mass.
J. J. Barry, Washington, D. C.
F. C. Bartels, Cleveland, O.
F. P. Baum, Buffalo, N. Y.
August R. Baumer, Louisville, Ky.
Geo. Bayer, Toledo, O.
Sidney Bayersdorfer, Philadelphia, Pa.
W. H. Beattie, Washington, D. C.
H. B. Beatty, Pittsburg, Pa.
E. A. Beaven, Evergreen, Ala.
J. Beck, Cincinnati, O.
J. J. Beneke, St. Louis, Mo.
Andrew Benson, Chicago.
Frank Benson, Cincinnati, O.
F. F. Benthey, Chicago.
Paul Berkowitz, Philadelphia, Pa.
Edward Berno, Mansfield, O.
Irwin C. Bertermann, Indianapolis, Ind.
John Bertermann, Indianapolis, Ind.
Peter Beuerlein, Elmhurst, N. Y.
John Birnie, West Hoboken, N. J.
Peter Bisset, Washington, D. C.
Geo. Blackman, Evansville, Ind.
M. Bloy and son, Cleveland, O.
Oscar Boehler, West Hoboken, N. J.
R. G. Boehringer, Bay City, Mo.
Frank Bompt, Logan, O.
L. B. Brague, Hinsdale, Mass.
Fred Breitmeyer, Mt. Clemens, Mich.
Philip Breitmeyer, Detroit, Mich.
Wm. Breitmeyer, Detroit, Mich.
S. S. Brenneman, Webb City, Mo.
W. B. Brown, Detroit, Mich.
L. D. Bryant, Cambridge, Mass.
Otis L. Bullock, Elkhart, Ind.
Harry Bunyard, New York.
Alfred Burton, Philadelphia, Pa.
S. W. Carey, Urbana, O.
H. R. Carlton, Willoughby, O.
J. D. Carmody, Evansville, Ind.
A. B. Cartledge, Philadelphia, Pa.
H. Cheeseman, Chicago.
Alfred Christian, Zanesville, O.
Lincoln A. Coles, Kokomo, Ind.
W. W. Coles, Kokomo, Ind.
J. T. Conger, Cincinnati, O.
J. M. Connon, St. Louis, Mo.
D. T. Connor, Philadelphia, Pa.
John Cook, Baltimore, Md.
Geo. H. Cooke, Washington, D. C.
Lawrence Cotter, Dorchester, Mass.
Arthur Cowee, Berlin, N. Y.
Prof. J. F. Cowell, Buffalo, N. Y.
G. F. Crabb, Grand Rapids, Mich.
W. P. Craig, Philadelphia, Pa.
B. P. Critchell, Cincinnati, O.
Chas. Critchell, Cincinnati, O.
Geo. Culp, Baltimore, Md.
Jos. H. Cunningham, Delaware, O.
E. H. Cushman and sons, Sylvania, O.
James Davis, Aurora, Ill.
J. B. Deamud, Chicago.
E. S. Dean, Bloomington, Ill.
A. T. De La Mare, New York.
Edwin Denker, St. Charles, Mo.
Wm. Dilger, Detroit, Mich.
J. L. Dillon, Bloomsburg, Pa.
John Donaldson, Elmhurst, N. Y.
F. E. Dorner, Lafayette, Ind.
Theo. A. Dorner, Lafayette, Ind.
Edw. J. Dorval, Woodside, L. I., N. Y.
C. C. Dudley, Parkersburg, W. Va.
S. Dunlap, Philadelphia, Pa.
John H. Dunlop, Toronto, Ont., Can.
John Dunn, Detroit, Mich.
A. Elberfield, Kansas City, Mo.
W. H. Elliott, Brighton, Mass.
R. H. Ellis, Leamington, Ont., Can.
E. D. Ellsworth, Kansas City, Mo.
E. L. Enggren, Aqueduct, N. Y.
W. H. Ernest, Washington, D. C.
B. Eschner, Philadelphia, Pa.
John G. Esler, Saddle River, N. J.
J. A. Evans, Richmond, Ind.
E. J. Fancourt, Philadelphia, Pa.
E. A. Fetters, Detroit, Mich.
Philip J. Foley, Chicago.
Jacob Forest, Greenfield, Ind.
John R. Fotheringham, Tarrytown, N. Y.
N. R. Frank, Portland, Ind.
C. Frauenfelder, Chicago.
Henry C. Fruck, Detroit, Mich.
J. T. D. Fulmer, Des Moines, Ia.
G. R Gause, Richmond, Ind.
Wm. Gear, Cincinnati, O.
Benj. George, Cincinnati, O.
Ed. George, Painesville, O.
E. G. Gillett, Cincinnati, O.
Henry Glins, Cincinnati, O.
Vincent J. Gorley, St. Louis, Mo.
J. Goudy, Philadelphia, Pa.
Wm. Graff, Columbus, O.
Adam Graham, Cleveland, O.
C. J. Graham, Cleveland, O.
Wm. Graham, Philadelphia, Pa.
G. L. Grant, Santa Rosa, Cal.
E. T. Grave, Richmond, Ind.
S. A. Gregg, Charleston, W. Va.
Stephen Green, Philadelphia, Pa.
Louis Greif, Cleveland, O.
Adolphus Gude, Washington, D. C.
Wm. F. Gude, Washington, D. C.
A. J. Guttman, New York.
C. Hagenberger, Mentor, O.
W. E. Hall, Clyde, O.
E. V. Hallock, New York.
Dr. A. S. Halstead, Belleville, Ill.
Benj. Hammond, Fishkill-on-Hudson, N. Y.
Alex. Hampton, Brooklyn, N. Y.
W. K. Harris, Jr., Philadelphia, Pa.
B. Hart, Cleveland, O.
H. A. Hart, Cleveland, O.

Wm. Hartshorne, Joliet, Ill.
P. J. Hauswirth, Chicago.
J. J. Hellenthal, Columbus, O.
Herbert Heller, New Castle, Ind.
I. S. Hendrickson, Floral Park, N. Y.
F. W. Herendeen, Geneva, N. Y.
Conrad Hess, Baltimore, Md.
E. G. Hill, Richmond, Ind.
E. Hippard, Youngstown, O.
August Hoffmeister, Cincinnati, O.
Fred Holton, Milwaukee, Wis.
H. B. Howard, Chicago.
John D. Imlay and son, Zanesville, O.
Prof. H. C. Irish, St. Louis, Mo.
C. A. Johnson, Chicago.
C. C. Johnston, Geneva, N. Y.
L. A. Johnson, Chicago.
C. C. Jones, Columbus, O.
H. Kaden, Gainesville, Tex.
C. Kahouda, Whitestone, N. Y.
J. J. Karins, Philadelphia, Pa.
W. F. Kasting, Buffalo, N. Y.
Geo. M. Kellogg, Pleasant Hill, Mo.
Isaac Kennedy, Westpark, O.
J. P. Keplinger, Baltimore, Md.
Leonard Kill, Chicago.
Robt. Klagge, Detroit, Mich.
Herman Knope, Detroit, Mich.
Chas. Knopf, Richmond, Ind.
R. O. Koehler, Detroit, Mich.
John L. Koenig, St. Louis, Mo.
Otto G. Koenig, St. Louis, Mo.
Martin Kohankie, Painesville, O.
Paul Kopanka, New Castle, Ind.
W. Kuebler, Brooklyn, N. Y.
C. A. Kuehn, St. Louis, Mo.
Geo. A. Kuhl, Pekin, Ill.
Henry Kunzelman, Cincinnati, O.
Wm. H. Kruse, St. Louis, Mo.
W. P. Kyle, Chicago.
L. H. Kyrk, Cincinnati, O.
A. H. Langjahr, New York.
A. H. Lanser, Wayne, Pa.
Fred Lautenschlager, Chicago.
Fred Lemon, Richmond, Ind.
Chas. Lenker, Freeport, L. I., N. Y.
E. Leuly, West Hoboken, N. J.
Oscar Lion, New York.
D. B. Long, Buffalo, N. Y.
Edwin Lonsdale, Philadelphia, Pa.
Lester C. Lovett, Little Silver, N. J.
Gustave Ludwig, Allegheny, Pa.
G. E. Luffman, Birmingham, Ala.
Ernst Mack, Cincinnati, O.
Geo. Magrie, Cincinnati, O.
Earl Mann, Richmond, Va.
Thos Mansfield, Lockport, N. Y.
Wm. H. Mansfield, Lockport, N. Y.
A. G. Manthey, Cincinnati, O.
C. H. Maynard, Detroit, Mich.
C. W. McKellar, Chicago.
Walter McLean, Youngstown, O.
Robt. McLennan, Washington, D. C.
D. McRorie, Orange, N. J.
Fred H. Meinhardt, St. Louis, Mo.
Geo. H. Mellen, Springfield, O.
John Merkel, Mentor, O.
Theo. Miller, St. Louis, Mo.
Wm. Miller and son, West Lynn, Mass.
Wm. Miller, Cincinnati, O.
C. D. Mills, Jacksonville, Fla.
Theo. Mitchell, Detroit, Mich.
G. Moebs, Detroit, Mich.
I. H. Moss, Govanstown, Md.
J. H. Moss, Baltimore, Md.
Chas. P. Mueller, Wichita, Kan.
C. A. Murphy, Cincinnati, O.
Chas. Murphy, Cincinnati, O.
Geo. Murphy, Cincinnati, O.
Ollie Murphy, Cincinnati, O.
Wm. Murphy, Cincinnati, O.
Samuel Murray, Kansas City, Mo.
B. C. Neill, Elgin, Ill.
Leo Niessen, Philadelphia, Pa.
John B. Nugent, Jr., New York.
Gustav Obermeyer, Parkersburg, W. Va.
I. A. Oldham, Cambridge, O.
J. B. O'Neil, Chicago.
W. L. Palinsky, Chicago, Ill.
F. E. Palmer, Brookline, Mass.
W. J. Palmer, Buffalo, N. Y.
H. Papworth, New Orleans, La.
John L. Parker, Birmingham, Ala.
Wm. Partridge, Cincinnati, O.
J. H. Pepper, New York.
J. A. Peterson, Cincinnati, O.
Wm. A. Peterson, Chicago.
Chas. Pfeiffer, Cincinnati, O.
Wm. Pfeiffer, Cincinnati, O.
Philip Popp, Cincinnati, O.
H. E. Philpott, Winnipeg, Man.
E. E. Pieser, Chicago.
Albert Pochelon, Detroit, Mich.
Adolph Poehlmann, Morton Grove, Ill.
August Poehlmann, Chicago.
John Poehlmann, Chicago.
C. C. Pollworth, Milwaukee, Wis.
Fred Ponting, Glenville, O.
Geo. A. Rackham, Detroit, Mich.
Anders Rasmussen and son, New Albany, Ind.
Chas. Reardon, Hinsdale, Ill.
Wm. Rehder, Wilmington, N. C.
Edw. F. Reickel, Cincinnati, O.
Harry Reimels, Woodhaven, L. I., N. Y.
John Reimels, Woodhaven, L. I., N. Y.
E. C. Reineman, Allegheny, Pa.
Martin Reukauf, Philadelphia, Pa.
M. Richmond, Baltimore, Md.
Arnold Ringier, Chicago.
Wm. Robertson, Jenkintown, Pa.
W. L. Rock, Kansas City, Mo.
Julius Roehrs, Jr., Rutherford, N. J.
I. Rosnosky, Philadelphia, Pa.
Max Rudolph, Cincinnati, O.
J. A. Ruppert, Philadelphia, Pa.
D. Rusconi, Cincinnati, O.
E. R. Sackett, Fostoria, O.
T. P. Sargent, Chicago.
Christian Schellhorn, Washington, D. C.
Emil Schloss, New York.
C. Schmidt, Cleveland, O.
Wm. Schmidt, Springfield, O.
Jacob Schulz, Louisville, Ky.
M. Schummer, Chicago.
Philip Schupp, Chicago.
Henry Schwab, Zanesville, O.
Henry Schwarz, Cincinnati, O.
Geo. Scott, Chicago.
John Scott, Brooklyn, N. Y.
Wm. Scott, Buffalo, N. Y.
E. A. Scribner, Detroit, Mich.
H. D. Seele, Elkhart, Ind.
E. A. Seidewitz, Baltimore, Md.
Chas. L. Seybold, Baltimore, Md.
J. A. Shaw, Brooklyn, N. Y.
Henry Shepard, Richmond, Ind.
J. F. Sibson, Germantown, Pa.
Wm. Sim, Cliftondale, Mass.
S. Simmonds, Washington, D. C.
S. H. Skidelsky, Philadelphia, Pa.
S. S. Skidelsky, Philadelphia, Pa.
Daniel E. Small, Kokomo, Ind.
F. Sydney Smith, Indianapolis, Ind.
Harry J. Smith, Hinsdale, Mass.
H. P. Smith, Piqua, O.
J. W. Smith, Marietta, O.
Wm. Speck, Cincinnati, O.
J. Stern, Philadelphia, Pa.
J. H. Stevens, Chicago.
Wm. J. Stewart, Boston, Mass.
B. C. Stoehr, Dayton, O.
O. A. Stoll, Detroit, Mich.
Geo. F. Struck, Summit, N. J.
J. F. Sullivan, Detroit, Mich.
Albert Sunderman, Cincinnati, O.
Wm. Sunderman, Cincinnati, O.
Wm. Swayne, Kennett Square, Pa.
G. Swoboda, Omaha, Neb.
G. H. Taepke, Detroit, Mich.
W. H. Taplin, Holmesburg, Pa.
E. Y. Teas, Centerville, Ind.
L. A. Thomas, Jr., Troy, O.
H. Tobler, Traverse City, Mich.
Frank H. Traendly, New York.
H. Truck, Detroit, Mich.
F. W. Ude, Jr., Kirkwood, Mo.
Lewis Ullrich, Tiffin, O.
Ed. Underwood, Columbus, O.
B. Van Herff, New York.
J. C. Vaughan, Chicago.
C. H. Vick, Rochester, N. Y.
R. Vincent, Jr., White Marsh, Md.
E. W. Vineca, New Salem, Mass.
Uriah J. Virgin, New Orleans, La.
A. Waaland, Findlay, O.
Geo. Waldbart, St. Louis, Mo.
John Walker, Youngstown, O.
Wm. Walker, Louisville, Ky.
Alex. Wallace, New York.
R. M. Ward, New York.
Chas. Warncke, Detroit, Mich.
John Warncke, Detroit, Mich.
C. L. Washburn, Chicago.
Geo. C. Watson, Philadelphia, Pa.
Robt. Watson, Detroit, Mich.
Chas. Weber, Lynbrook, L. I., N. Y.
F. C. Weber, St. Louis, Mo.
Wm. Weber, Oakland, Md.
Eugene Weiland, Cincinnati, O.
Peter Weiland, New Castle, Ind.
S. B. Wertheimer, New York.
John Westcott, Philadelphia, Pa.
A. Wiegand, Indianapolis, Ind.
Geo. B. Wiegand, Indianapolis, Ind.
John Willius, Danville, Ill.
James S. Wilson, Western Springs, Ill.
Fred Windmiller, Columbus, O.
C. Winterich, Defiance, O.
E. H. Winters, Charleston, W. Va.
E. F. Winterson, Chicago.
L. H. Winterson, Chicago.
Antoine Wintzer, West Grove, Pa.
R. Witterstaetter, Cincinnati, O.
R. Wittman, West Hoboken, N. J.
J. Wolff, Jr., Savannah, Ga.
W. K. Wood, Chicago.
W. C. Young, St. Louis, Mo.
John Zech, Chicago.
Alfred Zeller, Brooklyn, N. Y.
Eggert N. Zetlitz, Lima, O.
A. Zukman, Philadelphia, Pa.

LADIES.

Mrs. C. Irwin Bertermann.
Mrs. Peter Beuerlein.
Mrs. John Birnie.
Miss Gertrude Blair.
Mrs. Philip Breitmeyer.
Mrs. S. S. Brenneman.
Mrs. E. M. Bullock.
Mrs. W. P. Craig.
Mrs. B. P. Critchell.
Mrs. John Donaldson.
Mrs. Eaton and daughter.
Mrs. W. H. Elliott.
Mrs. E. L. Enggren.
Miss Mary Esler.
Mrs. G. R. Gause.
Miss Gude.
Mrs. E. V. Hallock.
Miss Hammond.
Mrs. P. J. Hauswirth.
Mrs. F. W. Herendeen.
Miss Carrie Hoffmeister.
Mrs. John D. Imlay.
Mrs. W. F. Kasting.
Miss Elsie Kock.
Mrs. Otto G. Koenig.
Mrs. Walter Kreitling.
Mrs. Kross.
Mrs. Geo. A. Kuhl.
Mrs. Henry Kunzelman.
Mrs. L. Kyrk.
Miss Lemon.
Miss Amy Luffman.
Mrs. Earl Mann.
Mrs. C. W. McKellar.
Mrs. Walter McLean.
Mrs. Fred H. Meinhardt.
Miss Tillie Meinhardt.
Miss Dora Miller.
Mrs. Theo. Miller.
Mrs. Wm. Miller.
Miss E. Mills.
Mrs. Mosely.
Mrs. W. L. Palinsky.
Mrs. F. E. Palmer.
Mrs. Adolph Poehlmann.
Mrs. August Poehlmann.
Mrs. John Poehlmann.
Mrs. C. C. Pollworth.
Miss Kathleen Quirk.
Mrs. Anders Rasmussen.
Miss Emma Raub.
Mrs. John Reimels.
Mrs. D. F. Remp.
Miss Dorothy Ruch.
Mrs. Christian Schellhorn and daughter.
Miss Schnell.
Mrs. M. Schummer.
Miss Alice Scott.
Miss Florence Scott.
Mrs. Geo. Scott.
Mrs. Henry Shepard.
Mrs. Wm. Sim.
Mrs. H. P. Smith.
Mrs. F. Sidney Smith.
Mrs. E. Suder.
Mrs. Wm. Swayne.
Mrs. G. Swoboda.
Miss Teas.
Miss Jean Watson.
Mrs. F. C. Weber.
Mrs. John Willius.
Mrs. Jas S. Wilson.
Mrs. E. F Winterson
Mrs. L. H. Winterson.
Mrs. C. Winterich.
Mrs. R. Wittman.
Mrs. J. Wolff, Jr.
Miss Jennie Young.
The Misses Zeller.

Bowling Tournament.

The bowling tournament again proved a very attractive feature of the convention. The team contest took place at the Fairview Park alleys August 22, starting at 1:30 p. m. Philadelphia again proved victorious, winning the Beatty trophy for good, also the Kasting cup, which is up for annual contest. Each member of the team received a silver match box donated by H. B. Beatty. Washington was second and Cleveland third. Detroit finished last, securing the consolation prize.

In the individual contest open to members of the S. A. F., two games, the following scores were made: Beneke, 370; Mansfield, 334; Holton, 317; Pollworth, 314; Rasmussen, 310.

Winterson, of Chicago, secured the prize for the greatest number of strikes, 10 being the number.

Bergman, Chicago, made the greatest number of spares, 17, and secured the prize for that feat.

Connor, Philadelphia, secured the prize for high average on winning team, his average being 170.

Ernst, Washington, won the prize for single high game, 212.

Seybold, Baltimore, made the high average of all teams with 178.

The scores are given herewith in detail.

Team Scores.

PHILADELPHIA.

	1st.	2d.	3d.	Total.
Robertson	160	177	146	483
Falck	131	154	167	452
Graham	181	164	128	473
Adelberger	166	115	151	432
Connor	183	181	146	510
	821	791	738	2350

WASHINGTON.

	1st.	2d.	3d.	Total.
Cooke	162	165	139	466
Simmonds	165	144	183	492
Barry	144	123	122	389
McLennan	147	134	119	400
Ernst	159	212	156	527
	777	778	719	2274

CLEVELAND.

	1st.	2d.	3d.	Total.
Hart	169	158	139	466
Bates	90	114	159	363
Nobbel	145	142	137	424
Bloy	109	162	122	393
Graham	156	140	200	496
	669	716	757	2142

CHICAGO.

	1st.	2d.	3d.	Total.
Bergman	150	119	152	421
Scott	112	93	105	310
Wilson	106	167	106	379
Winterson	158	166	143	467
Asmus	186	156	146	488
	712	701	652	2065

BALTIMORE.

	1st.	2d.	3d.	Total.
Richmond	138	142	146	426
Moss	151	134	107	392
Seidwitz	54	86	93	233
Weber	137	108	133	378
Seybold	182	183	160	534
	662	653	639	1973

NEW YORK.

	1st.	2d.	3d.	Total.
Guttman	123	135	127	385
Donaldson	153	170	159	482
Scott	95	161	81	337
Enggren	132	115	112	359
Zeller	130	137	127	394
	633	718	606	1957

DETROIT.

	1st.	2d.	3d.	Total.
Sullivan	153	169	157	479
Taepke	100	120	146	366
Watson	92	127	146	365
Rahaley	104	138	129	371
Dunn	117	133	118	368
	566	687	696	1949

INDIVIDUAL BOWLING CHAMPIONSHIP.

Ernst	363
Seybold	347
Asmus	344
Connor	328
Graham	320
Mansfield	317
Beneke	298
Pollworth	298
Rasmussen	271
Donaldson	262

The Ladies' Bowling Contest.

The bowling in the ladies' contest was very spirited. Some good scores were made, 28 ladies participating. Mrs. Weber, of St. Louis, who was fifth in last year's contest, finished first this year with a score of 316 in the two games. Mrs. Hauswirth, of Chicago, secured second prize with 272, and Mrs. Scott, also of Chicago, won third prize with 270. The Chicago ladies indeed made a very fine showing, securing no less than five of the 12 prizes. The scores follow herewith:

LADIES' CONTEST, TWO GAMES.

Mrs. Williams	146
Mrs. Krueger	134
Mrs. L. H. Winterson	131
Mrs. Pollworth	121
Mrs. Weber, first prize	316
Mrs. Hauswirth, second prize	272
Mrs. Scott, third prize	270
Mrs. Miller, fourth prize	264
Mrs. McKellar, fifth prize	256
Mrs. Kill, sixth prize	243
Mrs. F. H. Meinhardt, seventh prize	242
Mrs. Asmus, eighth prize	233
Mrs. Whitman, ninth prize	220
Mrs. Reimels, tenth prize	220
Mrs. Critchell, eleventh prize	219
Mrs. T. H. Meinhardt, twelfth prize	209
Mrs. Herr	198
Mrs. Kreitling	196
Mrs. Winterson	195
Mrs. Enggren	190
Mrs. Breitmeyer	179
Mrs. Donaldson	173
Mrs. Kasting	159
Mrs. Rasmussen	158
Mrs. F. Vaughan	157
Mrs. Beatty	154
Mrs. O'Brien	151
Mrs. M. Meinhardt	149

Shooting Tournament.

The shooting tournament was held at the Rohrer's Island gun club on Thursday. The attendance was rather small and many of the S. A. F. members who usually take part in shooting events were conspicuous by their absence. The location of the quarters of the club was ideal and in the midst of a scene of great natural beauty. While there were practically only two events, it was late in the evening before the shoot was completed. The following was the result:

INDIVIDUAL COMPETITION.

Twenty-five targets per man. Ten prizes:

H. Brown	17
C. L. Seybold	14
J. W. Rogers	13
E. Hippard	12
H. M. Altick	12
Wm. Scott	11
Hy. Young	10
I. Reimels	9
F. W. Herendeen	7
A. Rasmussen	6
E. L. Enggren	6
W. H. Mansfield	2

CHALLENGE MATCH.

Fifty targets per man; five men on each team:

Dayton local team	190
S. A. F. team, composed of the competitors in the individual competition making the five highest scores	173

At the conclusion of the tournament a vote of thanks was passed to H. M. Altick for the very enjoyable afternoon he had provided. Several non-shooters went out to see the events.

Convention Notes.

J. A. Peterson, of Cincinnati, was among the few who did not enjoy the many delights of the convention. He left a son at home seriously ill and was summoned home after one day's stay.

The Brooklyn commission men had a representative in Wm. H. Kuebler, who also experienced his initial convention of the S. A. F.

The new bougainvillea, Wm. K. Harris, which H. A. Dreer is to disseminate, attracted much attention. It was not hard to judge of its two-fold usefulness seen among such a contrasting surrounding. A variegated bougainvillea should appeal to everybody.

Miss E. Mills, of the Yokohama Nursery Co., New York, was a visitor to the convention and was frequently seen in the plant section of the exhibition.

Fred Lautenschlager, of the Kroeschell Co., of Chicago, was like the play of Hamlet with Hamlet left out. A Kroeschell boiler which was to have formed his main exhibit did not arrive until late, and Fred had to deliver his lectures without a visible subject.

E. Leuly, of West Hoboken, N. J., rode into Dayton on Tuesday, having made the entire distance, something approaching 800 miles, on a bicycle. This little performance is nothing to Leuly; he eats up miles as an alligator eats flies.

Much regret was felt at the absence of Patrick O'Mara, of New York, from the convention. The death of his brother Roderick last week of course rendered his attendance out of the question.

The Toledo, O., delegation arrived on Wednesday morning in time for the real business of the meeting.

Alex. J. Guttman, the New York wholesaler, was confined to his bed at his hotel on Tuesday through a severe attack of malaria.

J. H. Dunlop, of Toronto, was prominent among the visitors and did not fail to put in a good word for the convention of the American Carnation Society to be held next year in Toronto.

Misstatements, even when accidental, can hardly escape challenge when made before a body of florists, at least when on subjects horticultural. The lecturer on a trip through Japan at Welfare hall on Tuesday evening showed on his screen a big field of Lilium longiflorum and referred to them as "callas." The howl which was set up must have disconcerted him a little. When he really did show a field of callas he made no verbal reference to the subject.

H. Glenn Fleming, of Fairmont, W. Va., excited considerable interest among his brethren at the convention. He is located in the soft coal region in his state and is the happy owner of a coal mine, the opening to which is in his boiler house. He mines the coal for his own use only, getting it out as he requires it. The vein is 4½ feet thick and he is not likely to be bothered with coal questions during his lifetime. He also uses his mine for cold storage purposes.

As typical of the interest taken by the Dayton people in floral matters it may be mentioned that E. E. Ganster, a citizen, exhibited in a buggy at the Wednesday night session of the convention a night-blooming cereus bearing seven beautiful blooms.

Mrs. Elliott, wife of W. H. Elliott, of Brighton, Mass., was quite ill throughout the convention week, being for the most part confined to her room in her hotel.

F. W. Herendeen, of the Herendeen Manufacturing Co., Geneva, N. Y., journeyed to Dayton in his handsome automobile, making several stops by the way and completing his journey by Monday.

John Donaldson, of Elmhurst, L. I., and John Birnie, of West Hoboken, N. J., discovered the produce market in Dayton and spent some time in it

making comparison with conditions as they are in New York. They found some apple and pear balsams and got posted on the good qualities of these things when steeped in liquor.

C. L. Seybold, a Baltimore, Md., member of the S. A. F., was charmed with the natural surroundings of the Rohrers Island gun club and made up a handsome bouquet of wild flowers to be found thereabouts, and on which he lectured on the return trip.

"It's the water," was the cry, heard annually, and stronger than ever this year and covering a multitude of ailments common at convention times.

A. Kahouda, of the Hinode Florist Co., Secaucus, N. J., in charge of the exhibit of that concern, was called upon to answer a number of "fool" questions put to him concerning the origin and cultural growth of the dwarf Japanese plants forming the exhibit.

John Laver, of Erie, Pa., was quite sick at the Beckel hotel during the convention.

Theodore Wirth was the only absentee of the board of directors.

W. N. Rudd found at the last moment that he could not attend. Meanwhile the telegraph wires were kept hot.

Two bicycle enthusiasts rode to the convention on their wheels, one from Hoboken, N. J., and one from Carrollton, Mo.

The three Poehlmann brothers, of Chicago, and their wives narrowly escaped serious injury in an automobile which became unmanageable.

THE striking new plants at the Dayton convention were Nephrolepis Amerpohli, Ficus pandurata, Bougainvillea Wm. K. Harris and Phœnix Rœbelini. The first named is very distinct and, as Robt. Craig says, very dainty.

If you elect H. M. Altick, said Wm. Scott, you will never forget it.

Who is Col. Castle? Possibly a cultivator of the flowers of rhetoric.

The noteworthy absentees included John N. May, John Burton and F. R. Pierson.

The complete Rice display was sold to Louis H. Kyrk, Cincinnati, on the opening day.

The number of members who had registered up to 10 a. m. Wednesday was estimated at 325.

Detroit mustered 28 for its train party.

The Chicago Big Four special carried 65 persons.

The late James Hartshorne was the subject of frequent comment.

The St. Louis party arriving Tuesday morning on the Panhandle was 28 strong.

The Milwaukee boys could not be persuaded to leave the lake breezes for Dayton weather, only four delegates being present.

Twenty-three for Wm. H. Elliott.

The Dayton hotel capacity was fully taken up.

The hot weather reduced the delegations and caused many to give up the trip.

Carnationists say that July 15 would be a much better date for the annual meeting than the present one.

J. B. O'Neil of Chicago was unanimously elected "ornery" member of the Dayton Florists' Club.

Improvements in Retailers' Methods.

BY WM. F. GUDE, WASHINGTON, D. C.

Being requested to read a paper and lead a discussion on "Recent Improvements in Retailers' Methods of Offering Flowers for Sale," I do so reluctantly. Personally I should much prefer the discussion to reading a paper. However, I know no better way to open this subject than to give you my own personal experience of the past 20 years in the retail florists' business at the national capital where we think we have some up-to-date flower stores. There is, probably, no business or profession that has seen a greater change, in the last decade, than the retail florists', or has made greater strides. I am sure that no class of men has worked harder or longer hours than they.

Right here, I want to say we too often hear the cry, "things are not as they used to be." This expression is too commonly used by a great many people engaged in the retail florists' business. "Things are not as they used to be" is not true in the sense it is given, while I do not doubt it is absolutely a fact in a great many cases, among the men who make that remark; because they have the same old fogy methods and manner of doing business used years ago, whereas the wide-awake florist, with the proper push, has gone ahead and adopted new and modern methods, with the inevitable result that he makes more money with less work, and whereas the old-timer has been left with his old-fashioned ideas little or no progress, long hours and small pay, the former has reason to thank the powers that be that "things are not as they used to be."

SOME OLD FASHIONED METHODS.

Sending flowers in old shoe and hat boxes; delivering funeral designs in a farm wagon; taking a man in his greenhouse togs to a fashionable home to carry plants and decorate; tying bunches with narrow, cheap ribbon, cut swallow-tailed; sending bridal bouquets wrapped in paper; telling a patron the flowers he wants are out of date because they are not in stock.

I have been in flower shops when a customer would leave an order for a wedding, birthday, or funeral and explicitly state the time he wanted the flowers delivered, and in many cases, to my personal knowledge, the flowers were sent after the occasion was over so that the sentimental effect was entirely lost, the occasion to use the flowers forever gone. The result invariably is the next time the customer in question wants to buy flowers he tries some place where he has reason to expect that his purchase will be delivered when and where he wants it in up-to-date condition.

Again the old-fashioned way of delivering flowers, wrapped in any old piece of paper and delivered by some ragged, dirty messenger, is not conducive to bringing the retail florists' business up to the plane of the modern up-to-date requirements which it so justly deserves.

Also the old-fashioned method of tying flowers on toothpicks with wires without any foliage, which was so popular years ago, has been almost entirely eliminated and a more natural system is now demanded by the average buying community. So much for the old methods.

The present up-to-date method followed by us is to have the flowers received fresh every morning, then properly assorted and arranged in large storage rooms where mirrors on all sides show them off to the best advantage.

One of the most important items is booking orders. In a great many establishments the old way of taking orders for any kind of flowers for commencements and debutantes' receptions, etc., knowing it is a question whether they can be secured, then substituting another kind at the last minute is an expensive one. What a great disappointment to a mother thinking she has a pleasant surprise for her daughter at the graduating exercises or some other function, to order a bunch of pink roses, and to receive red carnations instead. Her patronage is then lost, she has no more confidence in that establishment.

EMPLOYES.

We have an up-to-date corps of clerks and employes who are able, capable and willing to wait on customers intelligently, and do not try to sell them a pink rose for a white one, or calla lilies for lily of the valley. They do not work any more like they used to. They used to get up at 5 o'clock in the morning and work until 10 or 11 o'clock at night for a very small compensation. It is fortunate that "things are not as they used to be" in this case. Employes in a retail florist's store should come in for full consideration and just treatment because it is impossible for any one man to wait on every customer that comes to inquire about flowers. There are naturally, in the retail florists' trade, as in all other kinds of business, people with all sorts of ideas and in many cases hard to please. All of these should be studied and their peculiar fancies catered to, as much as possible, if they are willing to pay the price, because a satisfied customer is the best possible advertisement that anyone can have. Right here the employe who goes to extra trouble to cater to the whims of this particular class of customer and does not run or hide when he or she comes in, is entitled to a great deal of consideration which alas he often does not receive. I have found invariablly by studying the clerks' interests they are in much better position to study the employer's interests, for it is only too true that florists work longer hours for less money than almost any other class of working men, requiring an equal amount of intelligence. The clerks and employes in a retail florist's store can do very much towards increasing or decreasing the sales and profits by strict attention or inattention to details in the business. It has always been our aim to keep the employes satisfied and where we succeed in doing that, they invariably succeed in satisfying us.

PUTTING UP ORDERS.

This in our estimation is one of the most important items connected with the retail florists' business. As time cuts quite a figure in this part of the business, if the flowers are put up too early they will be apt to wither, and if too

late they cannot be delivered in time, hence, this branch of the business requires constant care and exercise of judgment, in order that the flowers may reach the parties interested in the best possible condition. Another very important item, is to send the customers exactly the quality and quantity promised for a given amount of money and not try to slight them with the thought or idea that they will never know the difference. This might do once in a while, but one is bound to be caught in the act sometime, and with a very ugly reflection on the integrity of the house. Here it may be well to state that the politeness and intelligence of the driver or messenger who may happen to deliver the flowers will either reflect credit or discredit upon the establishment.

WINDOW DISPLAY.

The old methods of trying to show the public how many plants a florist can put in a window was buried with the paper collar for bouquets. The window bottom of sand, gravel and zinc has given place to tile and mirror effects. A florist's window is the same now as that of the other up-to-date merchant who displays his finest goods to tempt the public to buy. A customer can form a pretty good idea of the florist's ability to create and execute artistic effects by his window display. For instance when we have a surplus of any particular kind of flower a window tastefully arranged with vases, baskets, etc., of the same flower has time and again been the means of cleaning up the entire surplus at a good profit.

A window display on January 29, President McKinley's birthday, with a portrait of him, a few American flags and a nice assortment of carnations tastefully arranged will demonstrate what a window decoration can do. I would advise you to try it January 29, next.

USE OF RIBBONS.

The use of ribbons in the retail florists' business, has grown faster than the business itself, because in the present methods ribbons can be used to great advantage on nearly all arrangements of flowers and when properly used are a great acquisition to any up-to-date floral arangement.

FLOWERS IN VASES AND JARDINIERES.

In our city in particular is a large demand for bunches of flowers at all seasons of the year, to be sent to the various offices or departments of the local municipal and United States government. In these cases it is often necessary to have a suitable vase or jardiniere, to offer, to go with the bunch of flowers, that they may be delivered in good presentable condition, and their lasting qualities preserved by the stems being kept in water while in the office of the recipient.

In conclusion, to manage and run an up-to-date flower store: First, it is necessary to be conservative in buying. When I say buying, I mean not only cut flower stock, but plants, ribbons, jardinieres, florists' supplies of all kinds, and especially boxes and paper to suit all sizes of bunches and qualities of flowers. This is very important. Second, having the necessary receptacle and supplies to go with the flowers, to be sure to have good fresh stock at all times to show your customers and give them what you claim to sell. Third, after the former two be sure to deliver the flowers as promised, on time, when promised, and in good condition.

Teaching Horticulture in Public Schools.

BY E. V. HALLOCK, QUEENS, N. Y.

After careful research and study of reports and methods now in vogue, we wish particularly to call your attention to two matters: First, the absence of textbooks in all the present methods of teaching horticulture, and second, the lack of concerted action among the different associations conducting that work, be they civic, philanthropic, or educational.

This state of affairs we consider fortunate. The first because it does not require any great preparation, and makes possible the starting of an S. A. F. method sooner than it could otherwise be started, since no elaborate system of textbooks is essential. The second, inasmuch as individual persons and organizations have accomplished so much and demonstrated so thoroughly that the interest of the people is already all that could be desired that we feel confident if this work can be placed upon a methodical, systematic, concerted plan—in other words, if the entire school system of horticulture can be standardized suitably for each grade of school, suggested by the S. A. F. and adopted by the different boards of education—we see no reason why this teaching of horticulture should not cover the entire land in a few years.

TEXTBOOKS.

In all the methods of teaching by the different organizations at present, we find no textbooks are given to the pupils. Leaflets are compiled and issued to the teachers and also to pupils, in some cases by the boards of education, for the guidance and help of each.

Leaflets.—These leaflets of instruction for the use of teachers should emanate from a committee of the S. A. F. They should be placed in the hands of the state boards of education who will attend to distributing the different grades of leaflets to the different grades of schools, namely the rural common schools, the union and high schools, and the primary and grammar grades, compiled with special reference to the conditions prevailing in each grade.

We also suggest, for schools that have become somewhat advanced in garden work, and for pupils that have shown interest, that leaflets and small, simple pamphlets be prepared, containing plain illustrations of flowers, giving the botanical parts, also botanical names of the common trees, plants and flowers, and others giving simple explanation of what is meant by "annuals," "biennial," "hardy," "perennial," and other matters that are met with in every-day life. Even these simple leaflets and pamphlets are not to be given out to the pupils until they show sufficient interest in their work. This plan can be elaborated as conditions seem to require.

NEED OF STANDARDIZING.

On careful perusal of all documents that we could obtain we find no two schools or organizations conducting their garden work on the same lines but each pursuing its work according to its own ideas, and as seems best to it. Great good has undoubtedly come from these disunited efforts, but greater good will undoubtedly come from concerted action, emanating from some central authority, thoroughly standardizing their work.

We have suggested dividing the schools into three classes, so that we can better meet the conditions and environment known to exist in schools of each class. In this case, we should issue three series of leaflets of instructions, diagrams and routine work. The latter could be taken largely from the methods now in force in the various school gardens.

INSTRUCTIONS TO TEACHERS.

Besides placing the leaflets and pamphlets in the hands of the different teachers, we suggest that one of the trustees should familiarize himself with the proposed methods, using some of the fuller reports of some of the specially conducted schools of this nature, to get a general idea of how the plots are laid out and cared for near the schools, or plots loaned by people at a little distance from the school and the home garden.

If no trustee feels equal to this simple task, he could easily call to his assistance a florist, a market gardener, or even a good farmer in the community to help start the work. If the teachers lack in knowledge of any particular subject, they should be given to understand that they could call upon the trustee who would find a person competent to explain.

A committee of the Massachusetts Horticultural Society comments very favorably on the system of children's home gardens, stating that the society first offered three prizes, then 10, and were much surprised when they received over 200 entries for the 10 awards. The committee visited the home gardens as far as possible, and found it was very encouraging to the children to do so. They state: "We still feel the children's home garden movement is a very important one." This committee also gives prizes in connection with the home garden system for best reports of work for the year.

Your committee, in view of the reports on these methods, suggests as an intermediate plan, where conditions seem to favor the method, a demonstration plot in the school ground, where the teacher can fully demonstrate with each pupil the preparation of the soil, the application of fertilizers, and the planting of each kind of seed, both of vegetable and flowers. By this means, the depth and distance of planting seed of the standard kinds can be easily learned by the pupils.

The demonstration plot could be used throughout the season for simple talks, during the growth of the plants, even to the method of killing potato bugs. The object of this demonstration plot is that it may be used in connection with the children's home garden system. All instruction and knowledge, as it were, which the children carry home to use in their gardens, will come from this plot.

STATE TEACHERS.

The state might employ a few experienced garden directors or teachers to

visit as many schools during the year as practicable. Schools should be able to call for this special aid where the subject is not sufficiently understood. The committee on school gardens of the Massachusetts Horticultural Society, after investigation, says: "The great lesson learned was that children's gardens are successfully carried on when under the leadership of an experienced director or teacher. No matter how enthusiastically the work is undertaken, without a proper understanding of gardening it is usually a failure." The same committee says: "There is a crying need for an institution in this state similar to that at Hartford, Conn., where school garden work can be taught."

In the course of time this study could be added to the curriculum of all normal schools, as it already belongs to that of several, these schools to furnish teachers with sufficient knowledge of the subject to follow the methods laid down.

LECTURES.

In educational matter of the present day, be it ever so low or so high, much instruction is imparted to the pupils by lectures and talks. In the rural schools it is not absolutely necessary that the talks or lectures should be given at specified periods. They could be worked in at times best suited to the convenience of the teacher.

At most of these lectures, the teacher should have one or two potted plants or some flowers, and some varieties of the common seeds; and it would not take any great length of time, not more than a year or two, perhaps, to make most of the pupils familiar with the treatment of the common and most useful plants.

APPROPRIATIONS FOR CARRYING ON WORK.

In the matter of appropriations, all the different kinds of school garden work derive their financial aid from different sources, which is of necessity a varying and somewhat uncertain amount. For carrying on this work, we want a certain appropriation for each grade of school. By way of illustration, but not a suggestion, we would say $5 each for the rural schools, $10 for the primary and grammar schools, and $20 for the union and high schools. We confidently believe that even an amount as small as this would be felt in a community, but we feel that by correlating garden work with other studies, the different boards of education would appropriate a larger sum.

But what must be made plain is that the appropriation should be a fixed factor in the expense of conducting the school.

CHILDREN'S GARDEN CONFERENCES.

At least once a year there should be a public meeting in the form of a conference, where all persons interested should be invited to come and make suggestions, and lend their aid to this movement. The children should have a chance to talk a little on their ideas and work.

At a children's garden conference, December 2, 1905, under auspices of the Massachusetts Horticulture Society, seven 10-minute addresses were called for to give opportunity for discussion. A unique feature of this meeting was a model garden bed, illustrated by a practical exercise by a boy gardener and teacher. This conference brought together many people interested, and proved a great success in more ways than one.

At meetings of this kind, questions of civic improvement and general betterment of surroundings could be discussed.

EXPERIMENT STATIONS.

To some it may appear that the experiment stations and agricultural colleges conflict or compete with our movement. This is not the case. We should be content to call ourselves the common soldiers of this common cause, and we should also be content to be officered by experts from those institutions. They commence at the top and work down. We are commencing at the bottom and will work up. We wish to call on those institutions for lecturers, demonstrators, and instructors. We can work hand in hand with them, and we probably could not succeed without them.

SUMMARY AND RECOMMENDATIONS.

Your committee now believes the work can be taken up with the end plainly in view. Whether it is on the exact lines laid down in this report, or better ideas, from the succeeding committee, is of little consequence.

We have, available, so many detailed reports of the workings of the various associations taking up the matter of school gardens, so much data and so many working plans, a committee should be able to proceed with their duties understandingly.

But we must be doubly sure of the ground we take. We cannot afford to make many mistakes at the outset or on fundamental lines. Our work must be humanitarian, logical, and in a manner to interest. Our progress must be slow and sure.

Our motives are altruistic and must remain so, or our efforts will fail. Neither this association nor any other association has any selfish motive concealed. No person or persons will have any advantages over any other person or persons. We shall work in an open field. In the advancement of horticulture we are sure to prosper and added wealth and comfort will accrue to the individual, the community, the state, and the nation.

When the time comes, and we ask of the state a recognition in the matter of school appropriations, let us do so with the consciousness of a righteous cause, and a knowledge that not one penny will be diverted from its proper use. We believe it possible that some of the money now appropriated by the Agricultural Department for distributing the commonest of all common seeds can be diverted to the boards of education of the different states, for the purpose of school gardens.

RECOMMENDATIONS.

Finally, your committee recommends that a new committee of five be appointed by the executive committee, the president and the vice-president of this society to carry on the work as laid down in the report of your first committee, or on any other lines they deem best. And that they be authorized to spend a sum not to exceed $100 for preparing leaflets, diagrams, routine instructions, etc., during the coming year.

Respectfully submitted, at the convention of the Society of American Florists at Dayton, Ohio, August 21, 1906.

Committee { ALEXANDER WALLACE, BENJAMIN HAMMOND, EDWARD V. HALLOCK.

For help in preparation of this pamphlet, acknowledgment and many thanks are due to all those who have kindly aided us in furnishing reports of their work and other material, or by their personal letters of information. If they are not seperately mentioned in this place, or their work is not referred to elsewhere, it is through lack of space and not through intentional oversight.

PLAN SUGGESTED—OUTLINE.

I. Ground.
   1. Utilize school grounds.
   2. Obtain more, if possible, from school authorities or private sources.
   3. Give each child a plot of his own. Teach children to care for their own; to respect rights of others.

II. Instruction.
   1. Distribute leaflets among teachers. Printed rules or advice in simple form.
   2. Employ teachers trained in garden work by normal school methods.
   3. Appoint qualified persons in charge of a district or township, to receive instruction from and report to experiment station.

III. Distribution of Seeds.
   1. Follow some generally approved plan, modified, where necessary. That of Cleveland Home Gardening Association, for example.

IV. Time Allotted for Garden Work.
   1. Out of doors, use period devoted to nature study.
   2. In class room, combine lessons in gardening with other studies.
   3. Interest children to work out of school—afternoons, Saturdays, at home.

V. Exhibitions.
   1. Of best material available.
   2. Impromptu displays; special horticultural shows; annual fairs, etc.

VI. Prizes.
   1. Must vary in amount and methods.
   2. Offered by members of civic, agricultural and horticultural associations, etc.

NOTE 1.—We favor exhibitions of the best material each community has available, from a few vases of flowers in the school-room, impromptu displays at local picnics, and special exhibitions gotten up by school children in their own neighborhoods, to the usual agricultural fairs, with the new interest and enthusiasm the young people can put in this direction. Who can tell but it will create a revival of interest in our county fairs which seem to have failed in attracting the people as formerly.

NOTE 2.—No exact rule can be suggested in regard to the number of prizes or the particular subjects to award prizes for. This matter must be in the hands of the governing board of each district. The amount of prizes should bear a well balanced relation to the amount of appropriation. We favor the offering of prizes and honorable mention, and we feel sure that many interested persons in each neighborhood would give something in the form of prizes to their favorite schools,

The Wittbold Watering Device.

As the Wittbold watering device gains in popularity, so does it continue to take on improvements, which always go to make up the finished product. The system is now being used to great advantage among all classes of greenhousemen and gardeners and has given universal satisfaction. Of course its chief advantage lies in the fact that the system is a time saver. When it is possible to water an entire house in five minutes, it can easily be seen where much labor and expense is eliminated. The latest improvement is a small nozzle which directs a solid stream of water to plants suspended from the piping as shown in the accompanying illustration. There are no less than 50 Boston ferns watered in this way at the Wittbold establishment. A wire is run through the bottom of the pot and the plant hung from the pipe above. When the water is turned on it will drop only on the plant without wetting the bench or ground. In this way much additional space can be obtained without at all interfering with the regular watering of the house.

Bulbs.

Paper read by H. A. Kettel before the Monmouth County Horticultural Society, at Red Bank, N. J., March 16, 1906.

There are many varieties of bulbs that are fine for forcing, providing good stock is used, for if the stock is poor there will not be good flowers. But it is hard to know this until the bulbs show their flowers, although there are lots of other things that will spoil a good showing of flowers. My idea of growing them is to procure as good bulbs as it is possible to get. Box or pot them as soon as possible after getting them, because if they lay too long they are apt to get too dry or they will get heated. In planting them I always put them in boxes. In the bottom of the boxes I place the screenings from the soil, then about half an inch of white sand, placing the bulbs on the sand which keeps the bulb clean and prevents rotting. Then I cover them with good screened soil, place them outside in some shady place, keep them watered, and as soon as there is any danger of frost I place them in a cool cellar, leaving them there until they are about three inches above the boxes. Then I bring them into the greenhouse. Great care should be taken when bringing them in not to place them near the hot pipes as the flowers will be spoiled in this way. The foliage will be fine but no flowers appear. Then we are apt to say the bulbs are no good. And I would say if the bulbs are not well rooted before bringing them in to force there will be poor success with them. I might say that one can easily tell whether the flower is in the bulbs by cutting one or two of each kind in halves. One will find the flower if good and if it is not there it is no use potting them.

Now in reference to varieties, there are many. First of the bulbs to be planted are Lilium Harrisii. I give them the same treatment as the other only put them in pots, but it is very hard to get good ones any more on account of the disease, which is a bad one. I think longiflorum about the best to grow as it is almost sure to come true. Of course it is not so early as the former. Freezias are about the next thing to start; they are fine for the flowers. I treat them about the same as other bulbs only put them in batches, so that they do not all come in together. Then comes narcissus and Roman hyacinths. Paper White and double Roman narcissus are the earliest, but a good many people will not use them on account of the strong odor they have. Then there is the French Trumpet Major which is a grand thing to grow as this can easily be cut by December 15. Then there is Von Sion, Empress, and lots of other varieties that are very fine.

Then comes the tulip, a grand thing to cut from in winter. Proserpine is as early as any. We cut this one December 20. Duc Van Thol is a good early scarlet. For yellow Mon Tresor, and Canary Bird are about the best. In white I can find none to beat White Hawk. Then for the late ones the peony flowering tulips are very fine. The yellow and pink are the best. Then there is the spirea, a very fine thing to force for Easter decoration. Of course there are lots of bulbs that can be forced but these are what I think the best for general purposes.

Growing Pansies.

There are several ways of growing pansies, but the way I have found best is to sow the seed in shallow boxes not later than the first or second week in August, keeping the seed boxes in a frame. When the little plants are fit to handle prick them off into frames, which ought first to be thoroughly prepared for them by filling up to within 12 inches of the glass with good soil, composed of well rotted sod and a little manure adding also a little sand and leaf mold. Prick the plants off into this about three inches apart and at least four inches between the rows.

Leave them in the frames all winter. They will require only sufficient protection to keep the frost out and even if they get frozen they will come around all right if kept shaded and water withheld until the ground gets thawed out. In the spring when they are in flower and ready for sale they can either be lifted as orders come in or they can be put into flats for shipment or to be placed on view.

M.

Society of Southern Florists.

NEW ORLEANS CONVENTION NOV. 15-17.

The New Orleans members of the Society of Southern Florists held a well-attended meeting August 16 to discuss plans for the first convention of the new society to take place in that city. First Vice-President C. W. Eichling presided and C. L. Sieber acted as secretary. Mr. Eichling, who was chiefly instrumental in organizing the society and securing the convention for New Orleans, called attention to the necessity of selecting the dates for the convention so the Dayton delegation could take the matter up in a definite form and invite exhibitors to come south and show their stock. He pointed out the immense trade which annually goes north and the benefits to exhibitors resulting from a show at the convention. The society is in a flourishing condition. Everybody is heart and soul in their work for building it up, and applications for membership are coming in very satisfactorily. Admission fee is $1.00, which pays also for one year's dues.

H. Papworth advocated November as the best month for a southern convention and on his motion Nov. 15, 16 and 17 were selected. The chairman appointed a committee to confer with the railroads relative to special rates. H. Papworth, J. Steckler and J. H. Menard volunteered to attend to this matter. In the selection of a chairman of the committee of arrangements Mr. Eichling showed sound judgment in appointing R. Lockerbie, grower for the Metairie Ridge Nursery Co. E. Baker, superintendent of Audubon park requested the chairman to instruct the Dayton delegation to use their influence at the convention to secure as many trade exhibits as possible and to impress our northern

THE WITTBOLD WATERING DEVICE.

Showing system in operation; Louis Wittbold inventor, in the foreground.

brothers with the fact that the southern society is anxious to cooperate in every respect with the S. A. F.

In cases where the great distance does not permit a southern florist to attend the conventions at the north the new society will be the means of bringing the florists together at least once a year and it is hoped that our brothers of the north will accept our invitation with the same hearty fraternal spirit in which it is extended.

Newport Horticultural Society.

ANNUAL EXHIBITION.

The annual exhibition of the Newport Horticultural Society was held August 13 to 15, and was a great success from every standpoint. In fact it was much better than at first anticipated when several of the private gardeners claimed they were too busy to make an exhibit. However, almost all of the notable estates were represented. There was a lack of entries in gateways, the sub-tropical groups and fancy baskets. The dahlias were fair but scarce. This feature would have shown up to much better advantage two weeks later.

F. L. Ziegler secured first prize for the best gateway decoration of hardy plants showing one side of the gateway in space of 140 square feet. Mr. Ziegler also secured a gratuity for the best Phœnix Rœbelenii.

James Robertson, gardener to Mrs. T. O. Richardson, was awarded first prize for the best bed of sub-tropical plants not exceeding 100 square feet of space.

Colin Robertson, gardener to Mrs. Robt. Goelet, secured first prize for the best group of palms, ferns and foliage plants tastefully arranged within a space of 100 square feet, also for the specimen palm, any species without restrictions as to size of pot or tub.

John Marshall, gardener to Perry Belmont, secured first prize for the best table of decorative foliage plants, each plant to be serviceable for a table 3x9 feet.

Lager & Hurrell, of Summit, N. J., were awarded a silver medal for the best display of orchid plants in bloom. This exhibit included Oncidium elegans, O. varicosum Rogersi, Dendrobium Thrysiflorum, Phalænopsis Reimstadiana, Cattleya Dowiana, C. Gaskelliana, and C. gigas.

David McIntosh, gardener to Mrs. C. M. Bell, was awarded first prize for the best six dracænas, not less than 3 varieties in 8-inch pots.

Gibson Bros. secured first prize for best pan of ferns not to exceed 15 inches in diameter. This firm also was awarded first prize for the best center piece of dahlias, for the best table decoration of dahlias, using Liebling, and for the best 25 yellow dahlias.

H. A. Jahn secured first prize for the best 12 pompon dahlias.

Julius Roehrs Co., Rutherford, N. J., secured a silver medal and gratuity of $10 for collection of rare plants and orchids.

W. S. Sisson had a fine collection of cactus for which he secured a certificate of merit and a gratuity.

J. L. Childs was awarded a certificate of merit for a collection of gladioli.

James Crawshaw, Providence, R. I., secured a certificate of merit for Asparagus plumosus Crawshawi.

Vaughan's Seed Store was awarded a certificate of merit for Gladiolus Mrs. Francis King.

H. A. Dreer, Inc., secured a certificate of merit for water lilies and a gratuity for group of new plants, exhibiting Pteris Childsi, P. Wimsetti grandi, P. Wilsoni, Alpinia vittata Sanderiana, Maranta insignis, M. Hieroglyphica, M. Mosella, Asparagus Ducheni, myrtle leaved smilax, nelumbiums in great variety and nymphæas.

F. E. Conine, Stratford,. Conn., was awarded a certificate of merit and gratuity for a group of plants.

The visitors included J. S. Hay, representing Henry A. Dreer, Inc., Philadelphia; J. Knight, representing Julius Roehrs Co., Rutherford, N. J.; J. Struck, representing Lager & Hurrell, Summitt, N. J.; H. A. Jahn and wife, New Bedford, Mass.; A. B. Wordell, North Westport, Mass.; A. J. Fish, New Bedford, Mass.; F. E. Conine, Stratford, Conn.; W. Neil Campbell, representing Vaughan's Seed Store, of Chicago.

The judges were Stewart Ritchie, Bruce Butterton and Alex. Fraser.

Lenox Horticultural Society.

The annual and perennial exhibtion of the Lenox Horticultural Society took place in the town hall at Lenox, Mass., August 15. This was the best summer exhibition in the history of this society. The hall was filled to the doors. Particularly fine were the collection Phlox decusstata, there being upwards of 60 varieties shown and all excellent varieties. The classes for annuals and perennials were well filled. M. T. Reynolds, gardener to Mrs. Edith Wharton, won in the class for 20 varieties of annuals. Mr. Reynolds has won this class for three years successively. R. Spears, gardener to Mrs. John E. Parsons, won in the class for 20 varieties of perennials among which were Stenanthium robustum, Spirea Davidiana Rudbeckia maxima, R. pupurea and Funkia subcordata grandiflora. In sweet peas Thos. Proctor, gardener to R. W. Paterson, was the principal exhibitor who had some remarkably fine sweet peas. In vegetables F. Heeremans, gardener to W. D. Sloane, and A. H. Wingate, gardener to Chas. Lanier, were first in their respective classes. Mr. Wingate was also the most successful exhibitor in the fruit classes. Mrs. W. B. O. Field won the table decoration (ladies only) class with dark blue larkspur. The following is the list of special awards:

First class certificate to A. H. Wingate for new dahlia, Chas. Lanier. This is a fine dahlia; its color is apricot yellow and a very large flower.

First class certificate to M. T. Reynolds or seedling phlox, it is a white phlox, of extra size, with a blush pink eye.

First class certificate to S. W. Carlquist for Rubus rosæfolius (strawberry-raspberry).

The following were awarded diplomas: E. J. Norman for exhibit of berries; D. Durm, Jr., for exhibit of potted plants; E. A. Jenkins for collection of perennials; W. D. Curtis for collection of phlox; Geo. W. Folsom for Lilium auratum. Geo. Thompson and A. J. Loveless were the judges.

GEO. FOULSHAM, Secy.

THE WITTBOLD WATERING DEVICE.

Showing Boston ferns suspended and watered from overhead pipes.

OBITUARY.

Henry Charles Johnson.

Henry Chas. Johnson, son of Chas. Johnson, died August 17 at the home of his parents at Marietta, Pa. He had been in his usual good health, when in January last, he caught a severe cold, which culminated in heart trouble and a complication of diseases.

Mr. Johnson was born December 23, 1872, in the same house in which he died. He was trained in the seed business, being one of the best posted young seedsmen of the day. From 1893 to 1896, he was of the firm of E. & H. Johnson, Riverside, Cal. In 1896, with his father, and his brother Ethelbert, who died in 1903, he founded the Johnson & Musser Seed Co., Los Angeles, Cal. He left this firm in 1900 to become a member of the T. H. Thompson Seed Co., Houston, Tex. Subsequently he organized and was secretary and treasurer of the Southern Rice Milling Co., Houston, Tex. For the past two years, and up to his death, he was on the staff of Wm. Henry Maule, the Philadelphia seedsman.

The funeral took place in Marietta August 20. Mr. Johnson possessed a genial, kindly, thoughtful nature, which endeared him to all who knew him. He is survived by a widow and one child, five years of age. Both his parents are still living.

DENVER, COL.—Will C. Ferrill, curator of the historical department at the state capital, is trying to make room for the finest herbarium in the state. Seven hundred samples of Colorado flowers have been procured by the purchase of the Ollsworth-Bethell collection.

THE AMERICAN FLORIST

TWENTY-SECOND YEAR.

Subscription, $1.00 a year. To Europe, $2.00
Subscriptions accepted only from those in the trade.

Advertisements, on all except cover pages, 10 Cents a Line Agate; $1 00 per inch. Cash with Order.

No Special Position Guaranteed.

Discounts are allowed **only on consecutive insertions,** as follows—6 times, 5 per cent: 13 times, 10 per cent: 26 times, 20 per cent: 52 times, 30 per cent.

Space on front pages and back cover page sold only on yearly contract at $1.00 per inch, net.

The AMERICAN FLORIST Advertising Department is for florists, seedsmen and nurserymen and dealers in wares pertaining to those lines only.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Monday to secure insertion in the issue of the same week. Address

AMERICAN FLORIST CO., Chicago.

When sending us change of address always send the old address at the same time.

We do not assume any responsibility for the opinions of correspondents.

THIS ISSUE 64 PAGES WITH COVER.

CONTENTS.

The Dayton convention....201
—The president's address....202
—Wm. J. Stewart (portrait)....202
—John Westcott (portrait)....203
—P. J. Hauswirth (portrait)....204
—H. B. Beatty (portrait)....205
—Secretary Stewart's report....206
—On the convention grounds (illus.)....206
—Outdoor exhibits (illus.)....206
—At welfare hall (illus.)....207
—Treasurer Beatty's report....208
—The president's reception....208
—Wednesday's proceedings....208
—Geo. Asmus (portrait)....208
—Thursday's proceedings....210
—Trade exhibitions....211
—The judges' report....212
—Those present....212
—Bowling tournament....213
—The ladies' bowling contest....214
—Shooting tournament....214
—Convention notes....214
—Improvements in retailers' methods....215
—Teaching horticulture in public schools....216
The Wittbold watering device (illus.)....218
Bulbs....218
Growing pansies....218
Society of Southern Florists....218
Newport Horticultural Society (illus.)....219
Lenox Horticultural Society....219
Obituary—Henry Chas. Johnson....219
Fischer's Freesia Purity....220
The Florists' Hail Association....220
National Council of Horticulture....220
House flies....220
Bulletins recently issued....220
Meetings next week....221
Coming exhibitions....221
San Francisco....222
St. Paul....222
Kansas City....222
Davenport, Ia....222
Buffalo....224
Louisville....224
Chicago....226
St. Louis....226
Philadelphia....228
Boston....228
Pittsburg....228
New York....230
New York to Dayton....230
Glen Cove, N. Y....230
The seed trade....234
—James Vick's Sons, Rochester, N. Y. (illus.)....234
—French seed crops....234
—Boston....235
—Erfurt seed crops....235
Toronto....236
London, Ont....236
Fredericton, N. B....236
Springfield, O....236
Columbus, O....236
Warren, O....236
Bay Shore, N. Y....236
The nursery trade....238
—The American Apple Growers' Congress....238
—Large fruit crops....238
—Southern Nurserymen's Association....238
Special illustrations:
—Class at the children's gardens, Washington, D. C....207
—F. L. Ziegler's float at the Newport parade....210

THE annual convention of the Canadian Horticultural Association will be held at Guelph next week, August 29 and 30.

THE MAYFLOWER, heretofore published at Floral Park, N. Y., will be consolidated with Floral Life.

TAILBY'S new yellow calla, Mrs. Roosevelt, was given the award of merit of the Royal Horticultural Society of England.

DROUGHT has caused considerable damage to the florists' crops in many sections this season. Carnations are weakly and in many cases show the effects of severe attacks of red spider. Dahlias are stunted and will bloom but little, if any, this season. Violets have made poor growth.

ROBERT ARMSTRONG, landscape gardener of Santa Barbara, Cal., was in Paris August 20 and reports that he finds little new in the business there and that horticulture in America will compare favorably with that in France. The heat, he says, is very intense. He will return via Scotland in September.

Fischer's Freesia Purity.

Rudolph Fischer, Great Neck, L. I., N. Y., advises us that it has come to his knowledge that certain irresponsible parties have sold ordinary freesia bulbs for Fischer's Freesia Purity and for the benefit of those who have bought Purity not direct from him he gives the names of the following dealers as selling agents for his strain this season: Arthur T. Boddington, New York; Peter Henderson & Co., New York; Stumpp & Walter Co., New York; Vaughan Seed Store, New York and Chicago; W. W. Rawson & Co., Boston; Henry F. Michell Co. and Hosea Waterer, Philadelphia.

The Florists' Hail Association.

At a preliminary meeting of the Florists' Hail Association August 21 the reports of the secretary and treasurer were received and at the regular annual meeting held the following day they were adopted. The proposed amendments to the by-laws, article 5, sections 7 and 8, received attention, the first being adopted and the latter not adopted. The investment of the reserve fund was left in the hands of the president, secretary and treasurer, who are to constitute a finance committee. The following officers were elected: E. G. Hill, president; H. H. Ritter, vice president; John G. Esler, secretary; Albert M. Herr, treasurer; Elmer D. Smith, Joseph Heacock and F. E. Dorner, directors.

National Congress of Horticulture.

The National Council of Horticulture, embracing, as it does, the broad interests of horticulture, has had under consideration the matter of a National Congress of Horticulture to convene at Jamestown, Va., some time during the exposition period.

In view, therefore, of the interest manifested by a large number of persons, representing various branches of horticultural activity, it has been deemed expedient to arrange for a National Congress of Horticulture to convene at the Jamestown Exposition, during the week of August 19-24, 1907. The purpose of such a gathering is to consider topics of horticultural interest in its broadest meaning and to bring the more or less scattered branches into closer union and with a view that such a gathering would add inspiration and profit to all participants and others who are in attendance and should be the means of dignifying and advancing horticulture in all of its departments. In addition to the representatives of the broader interests, it is proposed to include in the assemblage leading specialists of the various divisions of horticultural work, who will consider topics of interest to the specialist, either before regular or special meetings of the several national societies, in case they arrange to hold a meeting at this time. Otherwise, such topics will be presented before departmental or sectional meetings of the congress representing the particular subject.

The exposition, situated, as it is, in the midst of a field, rich in horticultural products and easily accessible to a very large number who are interested in one or more branches of this great industry, should insure an attendance commensurate with the interest involved. The exposition company, together with the Norfolk Horticultural and Pomological Society, guarantees every possible courtesy, and facilities which will make the meeting place ample and convenient. Any society arranging to meet in affiliation with this congress may hold their regular sessions independently and without conflicting with any of the sessions of the congress.

All persons interested in any phase of horticulture are therefore asked to cooperate in this movement and all local, state and national societies are invited and urged to be represented either by holding their regular sessions, or by duly authorized delegates. It is hoped that this congress will bring together a multitude of horticulturists that could hardly be expected to come together in any other manner, and that a goodly number of the national societies will decide to hold a regular session during the week in which the congress is in session.

H. C. IRISH, Secretary,
National Council of Horticulture.

House Flies.

The department of agriculture states that in France a prize of $2,000 was offered for the best method of killing house flies. It was won for a suggestion to use oil stirred in water in vaults and cesspools. For manure the oil is mixed with sand or phosphate scattered over the piles. This prevents egg laying or hatching, as most of this is done in manure piles.

Bulletins Recently Issued.

By the United States Department of Agriculture, Washington, D. C.:

"Some Insects Injurious to Forests," by J. L. Webb, bureau of entomology.

"Meadow Mice in Relation to Agriculture and Horticulture," by D. E. Lantz, reprint from Yearbook of Agriculture for 1905.

By the Delaware Agricultural Experiment Station, Newark:

"Petroleum Emulsions," by Chas L. Penny.

By the Missouri Agricultural Experiment Station, Columbia:

"The Fruit Tree Leaf-Roller," by J. M. Stedman.

By the Ontaria Agricultural College, Toronto:

"The Common Fungus and Insect Pests of Growing Vegetable Crops," by Wm. Lochhead, B. A., M. S., and T. D. Jarvis, B. S. A.

Meetings Next Week.

Baltimore, Md.—Gardeners' Club of Baltimore, Royal Arcanum building, 18 W. Saratoga street, August 27, at 8 p. m.

Cleveland, O.—Cleveland Florists' Club, Progress Hall, 244 Detroit street, August 27, at 7:30 p. m.

Dayton, O.—Dayton Florists' Club, 112 South Main street, August 27.

Grand Rapids, Mich.—Grand Rapids Florists' Club, Board of Trade rooms, Pearl street, August 27.

Lake Geneva, Wis.—Lake Geneva Gardeners' and Foremen's Assocation, News building, September 1, at 8 p. m.

San Francisco, Cal.—Pacific Coast Horticultural Society, September 1.

Coming Exhibitions.

[Secretaries are requested to supply any omissions from this list.]

BOSTON, MASS, September 5-6, 1906.—Annual plant and flower exhibition Massachusetts Horticultural Society. Address Wm. P. Rich, Horticultural hall, 300 Massachusetts avenue, Boston, Mass.

BOSTON MASS.—November 2-4, 1906.—Chrysanthemum exhibition Massachusetts Horticultural Society. Address Wm. P. Rich, Horticultural hall, 300 Massachusetts avenue, Boston, Mass.

CHICAGO, November 6-12, 1906.—Annual exhibition Horticultural Society of Chicago. Address Willis N. Rudd, Blue Island, Ill.

MADISON, N. J., November 1-2, 1906.—Eleventh annual flower show Morris County Gardeners' and Florists' Society. Address E. Reagan, Box 315, Morristown, N. J.

NEW HAVEN, CONN., November 6-8, 1906.—Annual exhibition New Haven County Horticultural Society. Address Thos. Pettit, 90 Prospect street, New Haven, Conn.

PROVIDENCE, R. I., November 9-10, 1906.—Chrysanthemum and carnation exhibition Rhode Island Horticultural Society. Address C. W. Smith, 27-29 Exchange street, Providence, R. I.

RED BANK, N. J., October 31-November 1, 1906.—Ninth annual exhibition Monmouth County Horticultural Society. Address H. A. Kettel, Red Bank, N. J.

SANTA BARBARA, Cal., October 17-18, 1906.—Chrysanthemum exhibit Santa Barbara County Horticultural Society. Address Thos. Poole, Santa Barbara, Cal.

TARRYTOWN, N. Y., October 30-November 1, 1906.—Eighth annual exhibition Tarrytown Horticultural Society. Address E. W. Neubrand, Tarrytown, N. Y.

WORCESTER, MASS., November 8, 1906.—Chrysanthemum exhibition Worcester County Horticultural Society. Address Adin A. Hixon, Horticultural hall, 18 Front street, Worcester, Mass.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

Cash with Adv.

Plant Advs. NOT admit'ed under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1906 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

Situation Wanted—By first-class orchid grower and gardener, fully up-to-date; best of references. Address Key 755, care American Florist.

Situation Wanted—By a rose grower of 17 years' experience; 7 years with the best growers near Chicago. Address Key 763, care American Florist.

Situation Wanted—As working foreman, strictly sober, reliable, good education, German, single 20 years' thoroughly practical experience and good judgment in the line of horticulture, especially roses, carnations, 'mums, ferns, violets, fancy flowering pot plants and bulbs; good designer; first-class reference. Please state full particulars with wages, in first letter. Address Key 761, care American Florist.

Help Wanted—Two good single men, as growers, one for carnations and one for roses. Key 756, care American Florist.

Help Wanted—Good grower of carnations and pot plants. A. SUNDERBRUCH'S SONS, Cincinnati, O.

Help Wanted—Two good rose growers at once; wages, $14.00 per week. WILLIAM DITTMANN, New Castle, Ind.

Help Wanted—A good greenhouse man, single, for private place; no drinking man need apply. C. UFFLER, Govanstown, Baltimore, Md.

Help Wanted—A first-class carnation grower. Wages $45.00 to $50.00 per month; send references. HASKELL AV. FLORAL CO., Dallas, Texas.

Help Wanted—One good nurseryman and good propagator wanted at our nurseries good wages to right man. VAUGHAN'S SEED STORE, Chicago.

Help Wanted—At once; capable man to take charge of 20,000 feet of glass in carnations; $50.00 per month to start. J. W. DUNFORD, Clayton, Mo.

Help Wanted—At once, a good grower of carnations, 'mums and general pot plants; steady place for good man; state wages expected. W. H. HUMFELD FLORAL CO., Kansas City, Mo.

Help Wanted—2 good greenhouse men who can grow roses, carnations, 'mums and general stock; state experience and wages wanted. Permanent position. Aderess C. L. SHANKS, Newton, Kans.

Help Wanted—About October 1, all-'round gardener; private place, small greenhouse, but mostly outdoor work; must be sober, reliable and well recommended; $45 per month, room and fuel. J. S. BAKER, St. Croix Falls, Wis.

For Sale—1800 feet 4-inch cast pipe, in good condition at 10c, per foot, F. O. B, Paducah, Ky. C. L. BRUNSON & Co., Paducah, Ky.

For Sale—Nine greenhouses, dwelling house and barn, 3½ acres of ground. For particulars address P. O. Box 109, Newtown, Bucks Co., Pa.

For Rent—Four greenhouses, 11,000 ft. glass, at Cedar Rapids, Iowa, stocked and in good repair. W. M. KEELEY, Washington, Iowa.

For Sale—Some extra good second-hand 3-inch pipe, guaranteed sound, 6c per foot; also 4-inch. Several good boilers cheap Address W. H. SALTER, Rochester, N. Y.

For Sale—Dwelling and three greenhouses, seven miles from Philadelphia; established 14 years. Everything in good shape to go right ahead. Other business cause of selling. F. R. MATSINGER, Palmyra, N. J.

For Sale or Rent—Store and five small greenhouses, with or without dwelling, on street car line; only florist in town; cause sickness. 548 119th St., West Pullman, Chicago.

For Sale—Worthington duplex steam pump, capacity 30-40 gal. per minute, in good condition, $45.00; No. 1 receiver and fittings for pump, good as new $50.00. Dean pump for hand or steam, almost new, $20.00; 6-inch pressure regulator, used two seasons, $50.00; 2½-inch pressure regulator, $18.00. Carnation supports, $15.00 per 1000; $125.00 for 10,000. JAMES W. DUNFORD, Clayton, Mo.

FOR SALE.

At a sacrifice, greenhouse well stocked and long established business of the late J. P. Coen, Lexington, Mo., one of the best paying little businesses in the country, and in perfect condition; no competition within 30 miles. The place consists of 3 greenhouses 85x20, 1 lean-to and cold frames, 1½ acres of ground, an excellent 7-room house, with all modern conveniences, steam heat, electric light, etc., out-houses, good barn, laundry, chicken houses, etc. The entire place is lighted with electric light, heated with self-regulator steam boiler, and city water throughout the grounds and houses. Good wholesale trade as well as retail. Lexington is noted for its colleges and schools; one boys' military academy, two girls' colleges and a number of minor schools, all of which keeps the cut flower business very brisk during the school season. The place can be bought for $6,500, which amount wouldn't pay for the improvements; $2,000 cash, balance to suit. For further information address ARTHUR NEWELL, 12th & Baltimore Aves., Kansas City, Mo.

HELP WANTED.

Grower of miscellaneous stock, principally tea roses and carnations, for a public institution with about 15,000 feet of glass and plenty of outside ground; position pays $40.00 per month with room and board. Send full particulars to

Key 752, care American Florist.

GLASS—Big Bargain.

300 to 500 boxes 16x18 Double Thick B. in one shipment, at $2.75 per box, net cash, f.o.b. cars Boston, New York, Philadelphia, Baltimore, Pittsburg, Cincinnati, Cleveland, Buffalo, Detroit or Chicago. All other sizes very cheap. Last chance. Address

James H. Rice Co. Illinois & St. Clair Sts. CHICAGO.

FOR SALE.

4,500 Carnation Supports

Galvanized wire, 24 inches high, two 8-inch rings, used two years, at $10.00 per 1000. Free sample by mail.

JOHN C. HOWARD, R. F. D. No. 2, Sta. D MILWAUKEE, WIS.

FOR SALE.

FLORISTS' DISPLAY REFRIGERATOR.

HERRICK MAKE.

8-ft. front, 5 ft. deep; oak, bevel plate glass, white enamel inside. Price and photo on application.

STUPPY FLORAL CO., St. Joseph, Mo.

HOT WATER BOILER.

Six feet high, new, double strength tubes; new asbestos lining; new, thick iron pocket; new grate; new grate rest; practically new—complete. Will heat 3,000 square feet. $85.00, cash with order, F. O. B.

F. WALKER & CO.,

R. F. D. No. 1. NEW ALBANY, IND.

GLASS.

We have for sale a lot of 16x18 glass A. & B. D. S., at a low price.

A. DIETSCH CO.,

617 Sheffield Ave., CHICAGO.

GLASS FOR SALE.

We have for sale a quantity of A. and B. double thick, Pennsylvania hand made, tank glass, all of which runs exceptionally uniform in quality and thickness. Terms cash. Inquiries solicited.

King Construction Co.

NORTH TONAWANDA, N. Y.

FOR SALE.

Two 75 H. P. Horizontal Tubular Boilers.

In Good Condition.

Dimensions, each 60 inches in diameter by 14 feet, 3 inches long; containing 92 tubes 3 inches diameter by 13 feet long.

Made by Roberts Iron Works Company, Cambridgeport, Mass.

Ten (10) years old. Copy of latest inspection report can be forwarded. Boilers must be removed during this summer. Price $400.00. Arrangements for delivery can be made according to conditions.

ISAAC COFFIN COMPANY,

52 Sudbury Street, : : BOSTON, MASS

It is good business policy to mention

The....

AMERICAN FLORIST

When you write to an advertiser

San Francisco.

The florists have all been very busy with funeral orders the past week, mostly smaller pieces being asked for. This busy splurge has kept flowers at pretty fair prices and most all the growers are doing better than they expected would be the case so soon after the April week of horor. It was noticeable this week at the flower stands that the abundance of asters were being drawn on preferably to carnations for the structural work of the various floral artisans.

NOTES.

In THE AMERICAN FLORIST issued immediately before the earthquake, I had a notice in this correspondence of the formation of the Forrest Floral Co. as successor to the long established Shanahan Floral Depot. With good taste Mr. Forrest sent in his subscription for the paper at the same time. This old floral depot was demolished by the trembling earth and licked out of sight the next day by the fire. All this is past history, but this week Mr. Forrest started afresh in the flower business in a building he had erected to order at Twenty-second and Mission streets.

The Pacific Coast Horticultural Society is to be congratulated. Since the city's disaster it has been holding its meetings all around at the several homes of the various members in this city and Oakland. But now it will be better. At the last monthly meeting the society accepted an offer of the picturesque park lodge in Golden Gate park for meeting purposes, made by the park commissioners. From what I have overheard I think I am safe in assuming that John McLaren, superintendent of Golden Gate park and member of the organization is the man who turned this card of good fortune for the society. There was another interesting communication read at the meeting, one I particularly like to mention because it is to the glory of a brotherly fellowship feeling existant in Chicago. This other communication was from P. J. Hauswirth, president of the Chicago Florists' Club, and contained the club's check for $150 for florist and grower victims of the earthquake-fire.

JESSE WHITE.

St. Paul.

EXCEPTIONALLY GOOD SUMMER TRADE.

Trade has been the best so far this summer that has ever been experienced and stock has been better and more plentiful. There has been a good deal of funeral work and mostly of the better class, which has aided materially. But still there has been a good call for cut flowers for other purposes. While this may not be true of all the stores, it is with the majority.

NOTES.

The G. A. R. encampment last week did nothing to speak of except to bring in an occasional out-of-town customer and a good many sightseers. The excursion rates for the encampment brought a number of the trade here to enjoy the cool breezes of Minnesota, but they were disappointed, as it turned out to be the warmest week of the whole summer. Among those visiting were Mrs. A. L. Glaser and Miss Glaser of Dubuque, Ia., and T. H. U. Smith, of Denver, Col.

The St. Paul Floral Co. has pretty well completed their rebuilding.

Holm & Olson's new houses are all finished and filled. O.

Kansas City.

THE MARKET.

Trade conditions are anything but encouraging. This season has shown a slight decrease in funeral work which usually helps to fill out the day's sales. It is well, however, that the scarcity of orders exists, as good stock is almost out of the question. The increase in the supply of asters is about the only feature over last week. Several store-windows are banked with Hydrangea paniculata, which appears to be especially good. A shortage of carnations is still apparent. The same condition applies to rose stock. American Beauty is improving slightly in color and size. Gladioli are more abundant and the quality better than heretofore. Water lilies and lily of the valley are to be seen in limited quantities. All anticipate a busy season this fall and winter. Crops are good, fruit is more abundant than for several years past, in fact, prosperity seems in evidence at every turn. Many from this city attended the convention. There were several good rains recently and all nature smiles.

NOTES.

At Kellogg's one may see the new rose Minnehaha, which Mr. Kellogg brought forth this summer. A fine cut of this rose has been made every day and indications are favorable for its making a fine rose, which will fill a long felt need for something really choice for summer cutting.

In his recent western trip John Schneider took quite a liking to Portland and Seattle. He is so well pleased with those cities that in the future he expects to make one of those places his home.

The Kansas City Floral Co., under the management of J. Papadakos, keeps constantly on hand a nice assortment of seasonable stock.

Chas. E. Heite is again busy looking after affairs at his place. He reports a very enjoyable vacation in Arkansas.

Fire recently caused the loss of almost all of Mrs. Mosley's stock of palms while she was on her vacation.

A wind storm visited this city August 16 and was quite destructive to awnings and plate glass windows.

Mrs. John Tobler says things are progressing nicely during Mr. Tobler's vacation in Chicago.

V. Bergman of the Ernst Weinhoeber Co., Chicago, was in the city recently visiting relatives.

Robt. Tindall has not yet fully recovered from his illness contracted a few weeks ago.

Max Aller is having a fine electric sign made for the front of his store.

Arthur Newell has been busy as usual this week with funeral work.

W. H. Humfeld had a nice wedding decoration last week.

Visitor: John P. Degnan, Chicago.

K. C.

EVANSVILLE, IND.—Wm. Blackman, Sr., who has been in poor health, is now improved.

Davenport, Ia.

TRI-CITY FLORISTS' CLUB MEETING.

The Tri-City Florists' Club met August 11 at Fejervary park for its regular monthly meeting. The members went out early in the evening to inspect the new conservatory (40 x 75 feet, 30 feet to the ridge) being built by Lord & Burnham Co., of New York. The meeting was a very interesting one and was largely attended. One new member, Frank Woely, was admitted. Mr. Woely is head florist of the Davenport parks, taking Emil Boehm's place, Mr. Boehm having been appointed superintendent of parks. Mr. Boehm took charge August 1. The subject for discussion was "Chrysanthemums and Flowering Plants for Christmas," which brought out many fine and interesting points concerning culture of Begonia Le Reine, poinsettes, etc. The national convention was talked of but so many florists are building this season that everyone is too busy to take the time to go. President John Temple is the only one likely to attend the convention at Dayton this year. A fine luncheon was served at the park after the meeting and a social hour was enjoyed. Davenport florists can surely be proud of their club. Nearly every florist in the three cities is now a member, and every one makes it a point to be on hand at the meetings which are always interesting and instructive.

NOTES.

The month of July in the way of business was the best ever known and florists are looking for a record breaker this fall and winter. And the way the houses are being filled up they will be ready to handle any thing that comes along.

Henry Pauli has completed his new carnation house, 27 x 160 feet, and has it planted with the best of the newer carnations. Mr. Pauli is also building a new palm house.

The new conservatory at Fejervary park will cost when completed nearly $11,000. A cage for mountain lions is also being built at the zoo to cost over $1,000.

Henry Gaethje, of Rock Island, Ill., is quite ill. He was unable to attend the Tri-City Florists' Club meeting, which he seldom misses.

Roses and chrysanthemums are looking fine and every grower is busy housing carnations. More are being planted than ever before.

The Bells Floral Co. is remodeling its store and when finished will be the finest in this part of the country.

Julius Staack, of Moline, is busy glazing and putting the plumbing in his eight new houses. T. E.

LOS ANGELES, CAL.—Frank Hutchinson, gardener to August Taylor, Menlo Park, has been spending a week here on his wedding trip.

JANESVILLE, WIS.—The Janesville Floral Co. will make an exhibit of its new fern, Nephrolepis Amerpohlii, at the Dayton convention.

LOS ANGELES, CAL.—C. W. Reimers, formerly of Louisville, Ky., who recently sold out his business there, is now permanently located here. He does not expect to embark in any business for a year or so.

Let Us Know U. U Should Know Us.

This Way Sinners. Not Too Late Yet.

The Great Dayton Convention made for us **many new converts** by seeing our **Grand Display** of

Up-to-Date Florists' Supplies and Florists' Ribbons.

You can be **saved** if you fall in line, and follow the **Leading Florists** of the **Country** who buy their **Florists' Supplies** and **Ribbons** from **Us. Easy Figuring Why We Grow**—Young blood—Keeping everlastingly at it—**Always first** to show **Novelties of Merit.**

M. RICE & CO.,

The Leading Florists' Supply House. Ribbon Specialists.

1220 Race St., PHILADELPHIA, PA.

Finest Florists' Katalog for the asking.

Please mention the American Florist when writing

GET THE BEST

It don't pay to buy poor stock.

	Per 100	Per 1000
Richmond Roses, 2½-in.	$5.00	$40.00
" " 3½-in.	6.50	55.00
American Beauties, 3-in.	5.00	40.00
" " 3½-in.	6.50	55.00
Brides, Maids, 3½-in.	5.00	45.00
Chatenay, 2½-in.	3.50	30.00
" 3½-in.	5.00	45.00
Uncle John, 2½ in.	3.50	30.00
" " 3½-in.	5.00	45.00
Golden Gates, 2½-in.	3.50	30.00
" " 3½-in.	4.50	
Kaiserin, 2½-in.	3.50	30.00
Sunrise, 3½-in.	5.50	50.00
Perles, 3½-in.	6.00	55.00

Satisfaction Absolutely Guaranteed.

	Per 100	Per 1000
Sprengeri, 2-in.	$2.20	$18.00
Plumosus, 2 in.	2.50	22.00
Yellow Snapdragon, 3½-in.	5.00	45.00

Field-Grown Carnation Plants.

Free from stem rot or other diseases. Strong, healthy plants.

	100	1000		100	1000
Mrs. T. Lawson	$5	$45	Red Sport of Maceo	$4	$35
White Lawson	6	50	Queen	4	35
Wolcott	4	35	Patten	4	35
Prosperity	4	35	Elsie Marten	4	35
The Belle	4	35	Harlowarden	4	35
Bountiful	6	55	Fiancee	4	35
Phyllis	4				

POEHLMANN BROS. CO.

MORTON GROVE, ILL.

Please mention the American Florist when writing.

CARNATIONS

SPLENDID PLANTS.

Lawson, pink	$6.00 per 100
Harlowarden	6.00 per 100
White Cloud	5.00 per 100
Prosperity	5.00 per 100
Boston Market	5.50 per 100
Queen Louise	5.00 per 100
Crocker	5.00 per 100
Joost	5.00 per 100

United States Cut Flower Co.

ELMIRA, N. Y.

Please mention the American Florist when writing.

WATCH US GROW.

Araucaria Excelsa

The Best of All Decorative Plants Nature Produces

OUR SPECIALTY.

Every man in business and life to be successful must adopt one thing as his specialty, and that specialty, whatever he select, of whatever nature it may be, he must guard, study and push to such an extent that it not only benefits himself, but he must conduct it so that everyone who seeks his aid, service or his article, which he advertises or practices, will share a slice of his activity and prosperity. I made the importation and cultivation of Araucarias as a special study in my life. The figures below will show my success in business: In the first year I commenced with an importation of 250. In the eleventh year now, 1906, my importations have grown up to 6,000 (come and see it), and on account of the Araucaria growing yearly more in favor by the plant consuming people all over the country, as a much admired decorative plant for the parlor, bed, dining and sitting room, stores, hotels, lawns and porches the outlook will be for an importation at least of 8,000 to 10,000 in spring of 1907. To secure this vast amount for 1907 I am now on the ocean, per steamer New Amsterdam, leaving Hoboken Aug. 15, striking for Belgium, making contract for next year, 1907. I also shall at the same time bring over with me a large lot of choice Azalea Indica and Palms, etc., for Christmas and Easter flowering. No money will be spared in obtaining for my customers the cream of the Belgium greenhouses only.

Please note lowest prices now going on for August and September:

Araucaria Excelsa.

12 to 14 in. high, 5½-in. pots, 3 to 4 trs., 2 yr. old, $ .50
12 to 14 in. high, 5½-in. pots, 3 to 4 trs., 2 yr. old. .60
16 to 18 in. high, 5½ to 6 in. pots, 3 to 4 trs., 3 yr. old ..... .75
18 to 20 in. high, 6-in. pots, 5 to 6 trs., 4 yr. old.. 1.00
20 to 24 in. high, 6-in. pots 5 to 6 trs., 4 yr. old.. 1.25
36 to 50 in. specimen, 7-in pots, 6 yr. old, $2.50 to 3.00

Araucaria Compacta Robusta, have 1000 of them, never were so nice as this year. Plants are as broad as long, from 12 to 20 in. in height, 3 to 4 perfect tiers, 20 to 30 in. wide across from one tip of tiers to the other, 3, 4 and 5 years old, 6 to 7-in. pots $1.25, $1.50, $1.75, $2.00, up to $3.00 each.

Araucaria Excelsa Glauca, are perfect jewels in shape and size; their beautiful green-blue tiers make them of such a striking appearance that everybody seeing them must fall in love with them on sight, and cannot help it. Plants, 6 to 7 in. pots, 3, 4 and 5 perfect tiers, 15 to 25 in. in height, from 15 to 30 in. across, $1.25, $1.50, $1.75, $2.00 to $2.50 each.

Please bear in mind these mentioned varieties are the cream of Belgium importations. We have thousands of them; can meet all demands.

Kentia Forsteriana, 6-in. pots, 35 to 40 in. high, 5 to 6 leaves, 4 years old, $1.25 to $1.50; 30 to 35 in. high, 4 years old, 6 in. pots, $1.00; 5½-in. pots, 25 to 30 in. high, 3 years old, 75c; 4-in. pots, made up with three plants, 18 to 20 in. high, 25 to 30c. **Belmoreana,** 6 in. pots, 4 years old, 5 to 6 leaves, bushy, 30 to 35 in. high, $1.25; 5½ to 6 in. pots, 3 years old, 5 to 6 leaves, 75c to $1.00 each. Above are the sizes entered in the custom house. **Kentia Forsteriana,** 7-in. pots, made up plants, on elarge in center, three smaller sizes, about 22 to 24 in. high, price $2.00 each.

Nephrolepis Barrowsii, 6-in., large ready for 7-8 in. 50c; 4-in., large, 25c.

Nephrolepis Scottii, 6-in. pots, large, ready for 7-8 in., 50c; 5½-in., 40c; 5 in., 35c; 4-in., 20c to 25c.

Boston Ferns, 4-in., 20c to 25c; have them by the 1000.

Asparagus Plumosus Nanus, 3-in., 6c; 4-in., 10c.

Cycas Revoluta or **Sago Palm,** 6 to 7 in. pots, 7 to 20 leaves, 10c per leaf.

Cocos Weddelliana, 15c.

Areca Lutescens, made up plants, 4-inch pots, 5c.

Solanum or **Jerusalem Cherries,** 2½-in., per 100, $5.00; the same varieties as we sell at Xmas, for from 75c up to $1.00 each.

Ficus Elastica, Belgian importation, 6-in. pots 50c each.

Ferns. A fine assortment of Ferns for dishes large, bushy, out of 2½-inch pots $5.00 per 100; 3-inch, 7c each.

All goods must travel at purchaser's risk. Cash with order, please.

OUR LITTLE PETS.

By Aschmann, in Philadelphia, I bought
An Araucaria, a pet for our little girl—
Now we have two pets, the pride of our thought,
The little girl so sweet a head full of curls.
And the Araucaria with their everlasting green—
A more joyful home you never have seen.

GODFREY ASCHMANN, Importer and Wholesale Grower of Pot Plants, 1012 Ontario St., PHILADELPHIA, PA.

Please mention the American Florist when writing.

Buffalo.

Sweltering weather, moderate trade and all praying for rain was the situation the past week.

The energetic committee appointed by President Neubeck has picked out Fort Erie grove for the annual picnic of the Florists' Club. It is in Canada and a beautiful, cool place, very convenient to the city by ferry and the Snake Hill railway. The grove when first opened was known as Buttermilk grove, as all the farmers with an eye for business had a sign on their fences "Buttermilk, 5 cents per glass." However, all should go and a good time will be assured.

Some of the vacationists are returning. W. J. Palmer and family are home and as is also S. A. Anderson and family. Arthur Beyer, manager of Palmer's Genesee store, has gone on a delightful trip for two weeks. A party of six left in a naphtha launch down the Erie canal to Albany, the Hudson river to New York, and thence to Narragansett pier. It is a vacation that is envied by many as one is not dependent upon the time table of any steam boat or railway, but monarch of all he surveys. Miss May Pendergast, of the same store, is rusticating on Hanlons island, the Manhattan beach of Ontario. Miss Gertrude Sauer, of S. A. Anderson's, is sojourning at Consent beach, enjoying the breezes and air that the beach is noted for.

The delegation at Dayton was headed by Wm. F. Kasting and wife, C. G. Guenther and wife, Wm. Scott, Prof. John F. Cowell, D. B. Long, P. Baum, and C. J. Pult, who thoroughly demonstrated the good qualities of cement benches, and many others were of the party.

Visitor: H. W. Jones, of Z. D. Blackistone's, Washington, D. C.

BISON.

Louisville.

TRADE RATHER BRISK.

The previous week business averaged rather brisk, and stock was fortunately obtainable in satisfactory quantities. We have been having what is probably the warmest weather of the season, with little relief in sight. Roses average fair in quality and the supply is very satisfactory. The demand has been unusually good. A few good carnations are being received, but there is not much room for them. Asters of very good quality are in ample supply, and find a very good demand. Gladioli are very popular for window decorating. Lilium album and L. rubrum can be had in adequate quantities, and are used extensively in funeral pieces. L. auratum is no longer seen to any great extent. There are a few Shasta daisies obtainable, but the demand is hardly noticeable for them. Hardy hydrangeas, hardy phloxes, rudbeckias, etc., can be had in very good quantities, and are used extensively about the stores. The supply of green goods is adequate.

NOTES.

The local delegates to the Dayton convention have no doubt enjoyed their stay. Among those who went were Anders Rasmussen and wife, Geo. Thompson, Jr., and wife, Jacob Schulz, August R. Baumer, Louis Kirch and Henry Fuchs.

Henry Nanz has been appointed to look after the floral interests of the Kentucky state fair, which is now a permanent one, to be held annually at Louisville.

Wm. Walker has planted his carnations from the field.

Jacob Schultz's new houses are about completed.

F. L. S.

FOR SALE.

1,200 Carnations, Lawsons mixed and Enchantress at 3c; 500 Chrysanthemums at 2½c each; about 100 Cypripedium plants at 25c, and 6 nice Bougainvillea Trees at $2.00 each.

JOHN J. FOLEY,

MADISON, N. J. or 226 Bowery, NEW YORK.

SMILAX

2-in., strong, $1.50 per 100; $12 50 per 1000.

'MUMS.—The very best named vars., 2-in., $2.00 per 100; $18 00 per 1000.

ROSES, Brides.—Very strong, 3-in., equal to 4s, $4.00 per 100; $35.00 per 1000.

GERANIUMS.—Best named vars., 2½-in., $2.00 per 100; $18.00 per 1000.

C. HUMFELD, Clay Center, Kan.

ROMAN HYACINTHS, PAPER WHITES and FREESIAS

ARE NOW READY.

Write for prices, stating quantity wanted.

Vaughan's Seed Store

84-86 Randolph St., CHICAGO. 14 Barclay St., NEW YORK.

Please mention the American Florist when writing.

AWARDED

First Class Certificate

at the Dayton Convention

NEPHROLEPIS AMERPOHLII

TO BE DISTRIBUTED IN 1907.

Best of the New Types of the Boston Fern.

Plant sturdy and of good habit. Fronds splendidly decorative and last well when cut.

JANESVILLE FLORAL CO.

JANESVILLE, WIS.

Ferns

from bench, Boston and Piersoni, 4-inch, 10c.; 5-in., 12½c. Tarrytown, 3-inch, 10c.; 4-inch, 15c; 5-inch, 25c; Scottii, 3-inch, 8c; 4-inch, 12½c; 5-inch, 15c.

PRIMROSES.

Chinese, mixed, 2-inch, 2c.; **Obconica,** Grand Fimbriata, Alba, Rosea, Hybrida, $2.00 per 100. **Obconica,** Double and Sanguinia, $3.00 per 100.

Jerusalem Cherries, 2½-inch, $2.00 per 100.

FLOWERING BEGONIAS, 8 kinds, 2-inch, 2½c.

ASPARAGUS PLUMOSUS NANUS and **SPRENGERI,** 2-inch, 2cts.

Cash or C. O. D.

BYER BROTHERS,

CHAMBERSBURG, PA.

ROSES ROSES ROSES

We have the following in 2½ and 3-inch rose pots: American Beauties, Richmond, Brides, Maids, Meteor, Ivory, Golden Gate, Perle des Jardins, Chatenay, Souv. de Wootton, Aug. Vic. Kaiserin. Write for prices. Special discount of 10 per cent from our regular prices for cash.

FERNS.

Boston, Piersoni, Scottii, Barrowsii, Elegantissima.

Order now for Summer.

Smilax, Cinerarias, Cyclamen, Celestial Peppers, Ficus, Gloxinias, Tuberous Rooted Begonias, Fancy Leaved Caladiums, Rex and other Begonias.

Write for Price List.

GEO. A. KUHL, Pekin, Ill.

Wholesale Grower for the Trade.

MOVED To Larger Quarters.

RICE BROTHERS,

128 N. Sixth St.

We are now located in our new place of business, directly across the street from old quarters. Have added a more extensive line of supplies, comprising the most complete stock carried by a supply house. Every facility to handle cut flowers in the proper shape, having chemical and ice storage.

FLOWERS BILLED at MARKET PRICES

Greens of all Kinds.

MINNEAPOLIS, MINN.

No "Baiting" Advertising Rates.

WE have received several requests lately to insert trial advertisements free of charge "as other trade papers offer."

We wish to state that

THE AMERICAN FLORIST

has nothing to offer free of charge or at cut rates. We have no privileged customers.

We give advertisers full and overflowing value, and that is all any honest advertiser needs.

Advertisers are paying double for so-called cheap advertising in useless correspondence.

THE AMERICAN FLORIST

readers are buyers who pay their bills.

American Florist Company

BRONZE GALAX,

$6.50 per 10,000 lots, or 75c per 1000.

Fancy or Dagger Ferns,

No. 1 Stock, 65c per 1000. Discount on large orders.

Bouquet Green, $6.00 per 100 lbs. **Green** and **Spaghnum Moss,** 75c per bbl.; 50c per sack. Always send to us for your **Laural Festooning.** Made fresh daily from the woods, 4c, 5c and 6c per yard. It's the only decorative green to give universal satisfaction at this time of the year. Try our **Branch Laurel,** only 35c per large bundle. Our **Laurel Wreathes** must be seen to be appreciated, $2.50 per doz. Send us your orders, we will do the rest.

Telegraph Office, New Salem, Mass. **Long Disiance Telephone Connections.**

CROWL FERN CO., Millington, Mass.

New Crop Dagger and Fancy Ferns

$1.00 per 1000.

FOR EVERY OCCASION.

HARDY CUT DAGGER and **FANCY FERNS,** per 1000..1.00
Discount on large orders
BRILLIANT BRONZE and **GREEN GALAX,** per 1000.. 1.00
10.000 lots $7.50.
BOUQUET GREEN, per hundred yards..... 7.00
LAUREL FESTOONING, good and full, 5c to 6c per yard
LAUREL WREATHS, per dozen..... 3.00
BRANCH LAUREL, per bunch.....$ .50
BOXWOOD, per pound..... .20
LEUCOTHOE SPRAYS, per hundred..... 1.00
GREEN and **SPHAGNUM MOSS,** per barrel 1.00
LYRATA, which makes a fine substitute for decorations for June.

Also headquarters for all Florists' Supplies, such as **Milkweeds, Wire Designs, Cut Wire,** all kinds of **Letters, Immortelles, Cycas Leaves,** sheaves of **Wheat, Ribbons, Corrugated Boxes** of all kinds, etc.

HENRY M. ROBINSON & CO., L. D. Phone 7618 Main. **8 to 11 Province St., Boston, Mass.**

L. B. BRAGUE

HINSDALE, MASS.

Wholesale Dealer in

Hardy Cut Ferns.

Also Wholesale Dealer in

Christmas Trees and Baled Spruce for cemetery use,

BOUQUET GREEN, SPHAGNUM MOSS, &c., &c.

Extra Fine New Crop **FANCY FERNS** **$1.00 per 1000** Discount on large orders.

GALAX.....per 1000, $1.25

Send for our weekly price list on Cut Flowers.

MICHIGAN CUT FLOWER EXCHANGE

WM. DILGER, Manager. 38 and 40 Miami Ave., **DETROIT, MICH.**

SOMETHING NEW

Branches of the Huckleberry Tree.

A most elegant decorative green. It is largely used by florists of the Pacific Coast, Washington and Oregon in decorations. The branches are flat, very thickly furnished with exceedingly lustrous, green leaves, and it seems to adapt itself to almost any position in decoration that the Wild Smilax can be used in.

New crop **Hardy Ferns,** now ready. Fancy $1.25 per 1000; Dagger, $1.00 per 1000.

CALDWELL, the Woodsman, EVERGREEN, ALA.

Southern Smilax

Now Ready in limited quantities for immediate use.

Everything worth while in Southern Evergreens.

EDWARD A. BEAVEN,

Evergreen, Ala.

Nephrolepis Scottii.

Small plants from the benches, $5.00 per 100; $50.00 per 1000. Plants large enough for 6-inch pots, $25.00 per 100. Plants large enough to go in 7 and 8-inch pots, $50.00 per 100.

Asparagus Plumosus Nanus, 2¼-inch, fine plants, $3.00 per 100.

JOHN SCOTT,

Rutland Road and East 45th Street, **BROOKLYN, N Y.**

Telephone 2890 Bedford.

Please mention the American Florist when writing.

Trade Directory Now Ready

PRICE $2.00

American Florist Co., Chicago.

Chicago.

TRADE FAIR.

Despite the fact that most wholesale establishments lack their managers, that many retail florists are away at the convention, coupled with the usual dullness of the season and six days of torrid weather, market conditions remain surprisingly good. There is an abundance of stock of all kinds arriving of comparatively good quality, which gradually moves off, with but a small percentage going to the dump heap. It was universally predicted that only poor material would be seen after the humidity of the past few days, although some excellent roses and carnations have been sold at good prices. American Beauty is coming in freely. There is a plentiful supply of Bride, Ivory, and Kaiserin; Meteor and Killarney is rather short. Carnations are in good supply, a trifle short in stems and small in flower with the white varieties predominating. The influx of asters has almost ceased. The quality of this stock has made it a drug for some time but a decided improvement is noticed. Gladioli are over abundant and difficult to move at any price. Sweet peas, while not to be had in large numbers, are in poor demand.

NOTES.

Central exchange telephone girls, in company with the rest of humanity, took their fling at the long suffering wholesale man when some 200 of them objected to being denied entrance to their "boards" by way of the street and quit work very abruptly last Thursday. Irate patrons blamed the unobliging retailer, greenhouse men decided to "tell the city store a thing or two," and the needy wholesaler cursed fluently over the dead wires. The embargo was lifted a little later in the day, much to the relief of all concerned.

Retail flower stores vie with each other in arranging catchy window displays in this season of poor business. Some very creditable decorating has been done, with Boston ferns usually the center of attraction. Several good displays of nelumbiums at H. E. Klunder's flower shop and the Central Floral Co. are creating a good deal of attention. The latter concern is exhibiting a novelty in the form of Tritoma Pfitzerii. commonly called the "red hot poker" which causes many people to stop and wonder what they are looking at.

That the florist trade is rapidly pushing its way farther into the west, would seem evident from a glance at the shipping orders of Kroeschell Bros. They are now sending boilers into remote portions of the extreme northwest. Greenhouse building in Boise, Idaho, Portland, Mt. Tabor, and Salem, Ore., Hamilton, Mont., Vancouver and Ellensburg, Wash., and Vancouver, B. C., has created additional business and prosperity.

According to the Sharp, Partridge Glass Co. a very late start will be made by the glass factories this fall. Already a decided shortage in some sizes of greenhouse glass is noticeable and the prospects are that in a short time a great many sizes will be unobtainable.

Returning conventionites report enjoyable times at Dayton. Everyone who attended is thoroughly satisfied and speaks highly of the town. All unite in thanking the convention managers for the thoroughness of the preparations made for their coming.

G. E. Borkman, a convention delegate from Seattle, Wash., was run down by a teamster August 20. His left side was painfully hurt but after being helped to his feet by a policeman was able to go away unassisted.

H. G. Selfridge, who is now located in England, has loaned his extensive Lake Geneva collection of orchids to Lincoln park for a term of five years.

C. L. Washburn and son, with a party of friends, leave on an extended hunting trip August 25, on the S. S. Northland, camping in the far north.

Peter Reinberg is now cutting a fine lot of his new Marshall Field rose. Most of the stock is from young plants and exceptionally good.

C. W. McKellar is making a feature of a large stock of Gladiolus America, which he is receiving from an Ohio grower.

Scheiden & Shoos have leased the space in the Flower Growers' Market formerly occupied by John Cooke.

Fred Sperry has returned from a three week's vacation trip to Michigan.

O. P. Bassett left on a 10-day automobile trip August 17.

J. P. Degnan spent a few days in the city last week.

Visitors: A. Gude, Washington, D. C., returning from Red Mountain, Co., via this city and Dayton, O.; D. D. England, Winnipeg, Man.; N. B. Stover, Grandville, Mich.; W. G. Matthews, Dayton, O.; G. E. Borkman, of the Woodward Park Floral Co., Seattle, Wash.; H. M. Burt, Battle Creek, Mich.

St. Louis.

TRADE FAIR.

The market this week may be termed fair, not that there was any increase in general trade, but funerals of which there were many caused almost a scarcity on all kinds of flowers. Carnations are improving in quality. Roses still continue to arrive in very poor condition. Very small blooms find no demand, as they do not make any showing in work and they cannot be used to any advantage. American Beauty has a good and steady demand, especially those with stems from 18 to 30 inches. The very short stems are hard to sell and have to be sold cheap in order to get a market for them. There is quite a lot of greens in the market, smilax, Asparagus Sprengeri and A. plumosus, also fine adiantum. These appear to be selling fairly well but are often not quite cleaned out. There has been a fair demand for asters the past week. Tuberoses and gladioli are selling well.

NOTES.

The florists attending the S. A. F. at Dayton, O., left August 20 at 8:15 p. m., over the Vandalia. The following ladies and gentlemen attended: F. H. Ude, Kirkwood, Mo.; J. L. Ammann, Edwardsville, Ill.; Geo. M. Kellogg, Pleasant Hill, Mo.; E. Denker, St. Charles, Mo.; Dr. Halsted, Belleville, Ill.; E. W. Guy and wife, Belleville, Ill.; Mrs. E. A. Moseley, Kansas City, Kans.; Miss Schnell, East St. Louis; W. H. Kruse, J. J. Beneke, C. A. Kuehne, Geo. H. Angermueller, Wm. Young of Young & Sons, Miss Scott, confidential clerk with Young & Sons, J. L. Koenig, Otto G. Koenig, Theo. Miller, wife and daughter, F. C. Weber and wife, F. H. Meinhardt and wife and the Misses Meinhardt.

Eddie O'Rourke, a 14-year-old delivery boy for Geo. Angermueller, proved himself a hero Friday. Hermann, a clerk at an adjoining grocery, was lighting a fire in the yard. While using gasoline his clothes caught on fire. Eddie rushed to him and pulled his clothes off, saving the man's life.

G. E. Ahner, of Kirkwood, Mo., is putting up a new house, 22x80 feet, for carnations and sweet peas to be finished in time for fall planting. His son, A. G. Ahner, also of Kirkwood, Mo., is also putting up 2 houses, 17x100 feet, to be completed this fall.

Wm. Kalisch and wife of the firm of W. Kalisch & Sons, have gone to New York; from there they sail for Europe. They will return about October 1. While abroad their greenhouses in rear of store will have been entirely rebuilt and remodeled.

Max Rotter was very busy the past week with floral work, both of fresh and dried flowers of which he receives direct importations.

W. J. and M. S. Vesey are shipping some good white and pink Cochet to this market also some good Bride and Bridesmaid roses.

Bobby F., ridden by Raymond Foster, son of F. J. Foster, won first prize in the ring saddle show at the house of delegates' picnic.

Alex Waldbart, Jr., son of Alex Waldbart, is recovering from his injuries. He is still in the hospital but hopes to be out shortly.

The flower beds both at the old court house and the new city hall are looking fine. Geo. Ostertag is giving general satisfaction.

Chas. Fleckenstein, formerly wholesale florist here, was in the city attending the funeral of Wm. Schaefer, his father-in-law.

Heller Bros., of New Castle, Ind., are shipping some good American Beauty buds to this market which find ready sale.

Geo. Waldbart is painting and refitting his store and greenhouse preparing for the fall trade.

Geo. Hartman, Kirkwood, Mo., is bringing in some fine tuberoses and gladioli.

Joe Hauser, of Webster Grove, reports trade as very good this summer.

M. M. Ayers is busy cleaning up and getting ready for the fall trade.

Fred Alves has returned from the east ready for fall business.

W. F.

30,000 Fine Field-Grown **CARNATION PLANTS**

The following varieties:

	100	1000		100	1000
White Cloud	$3.00	$25.00	Sports.....	3.00	25.00
Ine.....	3 00	25 00	Flora Hill...	3.00	25.00

Sprengeri and **Plumosus.** We grow them in 2½-inch pots and they are nice, bushy plants.

WALDECK BROS., 1218 Oakton St., **Evanston, Ill.**

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO,

Wholesale Dealers and Growers of **Cut Flowers**

GREENHOUSES: HINSDALE, ILL.

E. H. Hunt,

WHOLESALE
Cut Flowers
"THE OLD RELIABLE."

76 Wabash Ave., ...CHICAGO.

Please mention the American Florist when writing

E. C. AMLING

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

32, 34, 36 RANDOLPH ST.,
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Please mention the American Florist when writing

WEILAND - AND - RISCH

Wholesale Growers and Shippers of
CUT FLOWERS
59 Wabash Ave., CHICAGO
'Phone Central 879.
Write for our wholesale price list.

WHOLESALE FLORISTS

Please mention the American Florist when writing

Jensen & Dekema

CARNATION SPECIALISTS

674 W. Foster Ave., CHICAGO.

Please mention the American Florist when writing

SINNER BROS.
WHOLESALE CUT FLOWERS
60 Wabash Ave., Chicago.
Careful attention to all
SHIPPING ORDERS.

Please mention the American Florist when writing.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty.....

WHOLESALE GROWER of **CUT FLOWERS**

Chas. W. McKellar

51 Wabash Ave., CHICAGO.

ORCHIDS
A Specialty,

Fancy Stock in VIOLETS, VALLEY, ROSES, BEAUTIES, CARNATIONS and a full line of all Cut-Flowers. Greens, Wire-Work and FLORISTS' SUPPLIES.

Send for Complete Catalogue.

Wholesale Flower Markets

CHICAGO, Aug. 23.

Roses, Beauty, 30 to 36-in. stems		4 00
" " 20 to 24 "	2.50@	3.00
" " 15 to 18 "	1.50@	2.00
" " 12 "	.75@	1.00
" Liberty, Chatenay	3.00@	6.00
" Bride, Bridesmaid	3.00@	6.00
" Golden Gate	3 00@	6.00
" Killarney, Richmond	4.00@	10.00
Carnations	1.00@	1.50
" fancy		2.00
Lily of the valley	2.00@	4.00
Harrisii lilies, per doz. $1.50		
Asparagus plumosus, per string 35 to 50c.		
" " .35@ 1.00 per bu.		
" Sprengeri	2.00@	4.00
Galax leaves, per 1000, $1 25		.15
Adiantum	.75@	1.00
Fancy ferns, per 1000	1.50	
Smilax, per string, 10c @12½c		
Sweet peas		.50
Asters	1.50@	2.00
Auratum lilies, doz., 1.50		

Poehlmann Bros. Co.

Wholesale Growers of and Dealers in **Cut Flowers.**

All telegraph and telephone orders given prompt attention.

Greenhouses: MORTON GROVE, ILL.
35-37 Randolph St., CHICAGO.

WIETOR BROS.,

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.

51 Wabash Ave., CHICAGO.

J. B. DEAMUD CO.

Wholesale Cut Flowers,

51 and 53 Wabash Ave., CHICAGO.
Long Distance Phone Central 3155.
Consignments of Choice Flowers Solicited.

The Geo. Wittbold Co.

1657-1659 Buckingham Place, CHICAGO.

The only retail florist in Chicago who grows his own cut flowers.

FUNERAL WORK ORDERS, OUR SPECIALTY.

Be your own Commission Man

THE
FLOWER GROWERS' MARKET
furnishes the facilities.
See PERCY JONES, Mgr.
60 Wabash Ave., CHICAGO.

Vaughan & Sperry,

Wholesale Florists,

58 and 60 Wabash Ave., CHICAGO

WRITE FOR SPECIAL PRICES.

Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO.
Telephone, Central 3284.

Please mention the American Florist when writing.

PETER REINBERG

Grower and Wholesaler of **Cut Flowers.**

1,200,000 feet of glass.
Headquarters for American Beauty.

51 Wabash Ave., CHICAGO.

Always mention the American Florist when you order stock.

KENNICOTT BROS. COMPANY

40-42-44 Randolph St., CHICAGO.

Our reputation has always been that we fill orders when others fail. All stock in season at Lowest Market Rates.

THE BENTHEY-COATSWORTH CO.

35 RANDOLPH ST. WHOLESALE FLORISTS CHICAGO.

Philadelphia.

The usual mid-August demand about sizes up the situation. Perhaps there is a trifle more than at this time last year. The growers, who are after all the ones who give the impetus to the business by supplying the market ahead of the demand, particularly in the early fall, are sending in good stocks of flowers in all lines, particularly American Beauty roses, which were never better or more numerous at this season. Gladioli are a glut and only the choice sorts realize enough to pay the express charges. There is quite a demand from the seashore resorts, where the regular stores and the street merchants of this city, the majority of whom are summering there, report a lively trade. Only the best is wanted, as most of the customers are guests of large hotels.

Oh, I don't know! It wasn't such a dream in the light of the event of the past week. The S. S. Pennock-Meehan Co., now, another confirmation, and then these two together, and there you are. Well the combination that is receives favorable consideration from the street. Both S. S. Pennock and Chas. Meehan have had a lifetime experience in selling flowers. Mr. Pennock began as a boy in his brother's commission house, the first in the city, and finally bought out the business and succeeded him at his death, some 15 years ago. Mr. Meehan's experience began when shortly out of school with handling the output of the Lonsdale and Burton nurseries, carrying the same from store to store. This he finally resigned to go into business as a grower, and when the growers began looking for a manager for their market project Mr. Meehan's name was first mentioned and he was finally persuaded to take the place. This union will make a very strong combination which, with the affable Mr. Fancourt as secretary and Mr. Faust, the Pennock bookkeeper, as financial man will be a very well systemized concern that will have no trouble to keep itself in the front ranks of the commission business.

NOTES.

The Leo Niessen Co. has sprung a surprise on the street with the announcement that it had leased for a term of years the building at 1209 Arch street, which is now being rebuilt in the most modern way especially to suit this firm's business. The lot is 25 feet wide by 120 feet deep. The company will occupy the basement and two floors above. The basement will have a ceiling 10 feet in height. In this will be installed an auxiliary cold storage room with a capacity of 2,500 square feet, while a similar room on the main floor will have a capacity of 4,000 square feet. These storage rooms, Mr. Niessen says, will be the best so far constructed for the purpose. The entire first floor will be for the sale and handling of cut flowers, the second being given up to the offices and the supply department, which is an important branch of the business. The company finds it hard to keep up in the matter of space for its rapidly growing business, but expects to have room enough in its new building to expand for a year or two at least. Property in this block has been jumping lately and since signing its papers the concern has had an offer of nearly $10,000 for the lease, but declined as there was no other desirable property to be had in that neighborhood. The firm expects to be in the new quarters ready for business by October 1, when Mr. Niessen says it will be the most up-to-date establishment of the kind in this country. The tenants of the Market company, Messrs. W. J. Moore, Berger Bros., Lord & Burnham and some of the stall holders will continue to do business at the old stand, renting as before from the company, whose lease runs until July 1 of next year.

Michael Bogan has a good offer for his property at Llanwellyn from the Philadelphia Traction Co., which is about to open a large amusement park as an attraction for that section of the city. K.

Boston.

TRADE FLUCTUATES.

The market opened for the week with a decided change for the better, but to the great disappointment of both growers and retailers it did not last. There was a general clean-out of both markets Monday, due mostly to an enormous amount of funeral work at the different stores. The rest of the week goods were hard to move as little was needed by the retailer to supply the trade. The early asters, particularly white, are about over, but the later ones are coming in good quantities. Sweet peas and some of the gladioli have not yet fully recovered from the effects of the changeable weather of the past month. There is a good supply of roses in the market. Kaiserin, Carnot, Wellesley, and American Beauty being the most saleable. Bride and Bridesmaid roses are improving in quality. There is plenty of American Beauty, and lily of the valley is sufficient to meet the demand, most of which comes from outside sources.

NOTES.

The midsummer show of the Massachusetts Horticultural Society was held August 18 at Horticultural hall. It was comprised chiefly of gladioli, dahlias and vegetables. John L. Childs, of Floral Park, N. Y., exhibited a large variety of gladioli. Among the prize winners for gladioli were J. K. Alexander, of East Bridgewater, and M. Sullivan, gardener to M. Whitman. Some fine phlox was shown by T. C. Thurlow. Among the dahlias W. W. Rawson & Co. exhibited over 100 varieties of the choicest and newest of the cactus type. Julius Hewrlin, of Braintree, and the Harvard Botanical Gardens, made striking exhibits of perennials. The show was well attended, and being a midsummer one, was most successful.

Welch Bros., of Province street, have just completed negotiations with the owners of the building numbered 226 Devonshire street and will occupy the basement and first floor of the building about October 1. They will have the largest wholesale establishment in New England, comprising of over 10,000 feet of floor space. The street floor is being remodeled and will be fitted up with an extensive cold storage plant. It is located in the heart of the business section of the city and will make an excellent place for their ever-increasing trade.

A ball game between the salesmen of the Park Street Market and the employes of the Waban Rose Conservatories took place on the premises of the latter concern August 18. The team of the Waban Rose captained by Joe Gallagher, defeated the Park street team under Eddie Crowley by a score of 29 to 3.

Among those on vacations are John Ruhal of W. E. Doyle's; Geo. Dunn, James E. Travers, Patrick E. Moran, Miss Jennie T. Coyle of Thos. F. Galvin's; Chas. Algren of J. Newman & Son, and Wm. Crosby of W. B. Bunker's.

There was an excellent display of prize dahlias in the show window of Thos. F. Galvin August 18 and 19, which attracted widespread attention. They were grown by the W. W. Rawson Co.

The annual sale of stalls of the Music Hall Market will take place September 1, and the directors anticipate many new bidders. The company has declared a dividend of 6 per cent, payable October 1.

Among the party which attended the Dayton convention were W. H. Elliott and wife, F. E. Palmer and wife, and W. J. Stewart.

Visitors: H. O. Belcher, Peoria, Ill.; F. R. Pierson, of Tarrytown, N. Y.; G. R. Ludwig, of A. N. Pierson, Cromwell, Conn., and Geo. H. Bartlett, manager of the Franklin Floral Co., of Franklin, N. H. B.

Pittsburg.

DEMAND EXCEEDS SUPPLY.

Business was all that could be desired during the past week. The wholesalers found great difficulty in filling orders for anything but gladioli, which are to be seen by the thousand. The early asters came in with a rush and not half of them were sold. In three days a change came about and not an aster was to be seen. The early flowers were over and the late crop had not come in. White seemed to drop out of sight altogether. At this writing the cut is steadily increasing and the wholesaler can sleep in peace. Some very nice roses are coming in. Ivory has demonstrated that it is a fine summer rose, coming in with long stems and good foliage and buds. A few growers are still cutting carnations from the houses, but stock from the field is much better, although short in stem. There are enough lilies to go around. Dahlias are quite plentiful but sales slow.

NOTES.

A. T. Lorch & Co., DeHaven, have both their new houses all planted. Mr. Lorch expects to have them glazed within two weeks.

Howard Carney, of J. B. Murdock & Co., took part in the races of the volunteer firemen's convention at McDonald, his team winning almost every race it entered.

Martin Reukauf, accompanied by the junior Mr. Bayersdorfer, of Philadelphia, stopped a few days in town.

E. C. Ludwig returned from the Eagles' convention in time to attend the Dayton convention.

Wm. Lauch, New Galilee, is sending the Pittsburg Cut Flower Co. some very fine asters.

The Florists' Exchange is getting specials in New York state.

W. A. Clarke spent a couple of days in Kittanning this week. M.

THE LEO. NIESSEN CO.

WHOLESALE FLORISTS.

1217 Arch Street, PHILADELPHIA, PA.

Roses = Asters = Gladioli

WE ARE RECEIVING THE BEST IN SUMMER FLOWERS.

PITTSBURG FLORISTS' EXCHANGE, Pittsburg, Pa.

VALLEY

Special Prices Made on Yearly Contracts.

RIBBONS AND FLORISTS' SUPPLIES.

Samuel S. Pennock, THE WHOLESALE FLORIST, PHILADELPHIA.

ASPARAGUS PLUMOSUS NANUS.

Cut Strings, 50 cents each.

W. H. ELLIOTT, Brighton, Mass.

THE

J. M. McCullough's Sons Co.

Wholesale Commission Florists.

CONSIGNMENTS SOLICITED.

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES, SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

Please mention the American Florist when writing.

C. A. KUEHN,

Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

Please mention the American Florist when writing.

ROSES AND CARNATIONS

Pittsburg's Largest and Oldest Wholesalers.

PITTSBURG CUT FLOWER CO., Ltd.

504 Liberty Ave., PITTSBURG, PA.

Please mention the American Florist when writing.

Holton & Hunkel Co.

Wholesale Florists

Milwaukee, Wis.

Please mention the American Florist when writing.

H. G. BERNING,

Wholesale Florist

1402 Pine St., ST. LOUIS, MO.

Please mention the American Florist when writing.

Wholesale Flower Markets

PHILADELPHIA, Aug. 23.

Roses, Tea	3.00@ 400
" " extra	6 00@ 8.00
" Liberty	4.00@15.00
" Queen of Edgely, extra	16.00@25.00
" " " firsts	12 00@15 00
" Beauty, extra	16.00@25 00
" " firsts	12.00@15 00
Carnations	1.00@ 3.00
Lily of the valley	2 00@ 4.00
Asparagus, bunch	25 00@50.00
Smilax	20 00@25.00
Adiantum	.75@ 1.50
Cattleyas	.50@ .60
Gardenias	8 00@10.00
Sweet peas	.40@ .50
Auratum lilies	12.00@16 00
Gladiolus	2.00@ 5.00

BOSTON, Aug. 23.

Roses, Beauty, best	12 00@25.00
" " medium	8.00@12.00
" " culls	1.00@ 4.00
" Bride, Bridesmaid	2.00@ 4.00
" Extra	6.00@ 8.00
" Liberty	6.00@25.00
Carnations	1.00@ 2.00
" Fancy	2.00@ 3.00
Lily of the valley	2.00@ 4.00
Smilax	8.00@12 00
Adiantum	.50@ 1 00
Asparagus	35.00@50 00
Sweet peas	.25@ .75
Pond lilies	2 00@ 4.00

BUFFALO, Aug. 23.

Roses, Beauty	5 00@25.00
" Bride, Bridesmaid, Meteor	3.00@ 8.00
Carnations	.50@ 2.00
Lily of the valley	3.00@ 4.00
Asparagus, strings	40.00@50.00
Smilax	15.00
Adiantum	.75@ 1.50
Lilies	3.00@15.00
Peas	.15@ .25
Water lilies	3.00@ 5.00
Gladiolus	1.00@ 3 00
Asters	.30@ 2.00

THE ART OF

Floral.....

Arrangement.

The first special newspaper in the world for floral arrangement.

250 ILLUSTRATIONS ANNUALLY.

Specimen number free.
Subscription, $2.40 yearly.

BINDEKUNST-VERLAG,
J. Olbertz, ERFURT, GERMANY.

Please mention the American Florist when writing.

J. B. MURDOCH & CO.

WHOLESALE FLORISTS,

FLORISTS' SUPPLIES.

545 Liberty Ave., PITTSBURG, PA.

Please mention the American Florist when writing.

NOW READY

To fill orders for **American Beauties, Lily of the Valley, Carnations** and all varieties of **Tea Roses** in lots of one hundred to one thousand at short notice. Get our prices before ordering elsewhere.

WELCH BROTHERS,
15 Province St., BOSTON, MASS.

Please mention the American Florist when writing

Field-grown Carnation Plants. GOOD CLEAN STOCK. WRITE FOR PRICES.

ABSOLUTELY THE BEST POSSIBLE SERVICE.

W. E. McKissick

WHOLESALE FLORIST,

Business Hours 7 a.m. to 6 p.m. 1221 Filbert Street, PHILADELPHIA, PA.

Please mention the American Florist when writing

Nephrolepis Whitmani

2¼-inch, $25.00 100,

Boston Ferns 2¼-in. $3.00 per 100.

Henry H. Barrows & Sons, WHITMAN MASS.

Please mention the American Florist when writing.

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

Please mention the American Florist when writing.

New York.

MARKET CONTINUES DULL.

The market continues most dull and uninteresting. There is an excess of arrivals which makes cleaning out more than a problem, and much goes to the ash barrel. Roses are still generally very poor in quality, the new crop not yet coming in heavy enough to make much of a showing. Picked qualities bring perhaps a penny or two more than general quotations, but as this is nearly always the case in the New York market they are in no way to be taken as a criterion for other grades. Kaiserin, Augusta Victoria, Carnot and Killarney are the varieties of stock arriving in the best shape and sell pretty well. Carnations are more plentiful, but very short in stem and of the quality usually incident to the cutting going along with disbudding. Asters are not quite so plentiful as they have been, and when of good appearance sell fairly well at remunerative prices. Cut hydrangeas are flooding the market and are practically unquotable. A little cosmos and bouvardia are coming in and the demand for them is fair. Lilies are not quite in such good demand as they have been.

NOTES.

The will of James Weir was filed in the office of the surrogate August 17. By the terms of the will, the widow, Margaret A., is devised the property at 236 Twenty-fifth street, and bequeathed $5,000 and all the household effects; to the son, James E., the property at 228 Twenty-fifth street, is devised; the daughters, Jessie M. Hawkins, Mabel M. Miller and Janet R. Weir, each receive $5,000. All the remaining estate is given to the four children who have to pay the widow the sum of $2,500 a year during her life. The son James E., can secure the good will and name of the business, but not the real estate, for $30,000, if he wishes and have ten years to pay for it in.

The chrysanthemum show of the American Institute is scheduled to take place in the institute rooms in the Berkeley Lyceum building, November 7, 8 and 9. Conducted this year on a smaller scale and in very small quarters, the premiums and classes are reduced in number. In the class for groups of flowering and foliage plants the space limit is 60 square feet of table. Entries should be sent to Dr. F. M. Hexamer at the institute.

Joseph Leikens, the Thirty-third street and Fifth avenue florist, came into the city for a few hours last Saturday from Newport. He says business at his Newport store has been very large so far this season, and prospects are very good for a continuance of these conditions well into next month. The New York store will reopen September 15.

Roderick O'Mara, of Peter Henderson & Co., brother of Patrick O'Mara, died last week. He had been for a long time connected with his firm, and was always known as a diligent, painstaking and courteous man, a general favorite in his circle of friends.

The Julius Roehrs Co. of Rutherford, N. J., has just completed five new greenhouses about 100 feet long, which will be utilized for orchids, and relieve the somewhat crowded condition of their other houses.

John I. Raynor's store is undergoing renovation for the coming season. Mr. Raynor does not expect to join the vacationists this year, his business permitting him but little leisure.

Jack Gunther has been taken into the business of his brother, W. H. Gunther, and the business will now be conducted after September 1 under the firm name of Gunther Bros.

John Young is another wholesaler who is taking his vacation out of the hours left to him each day during the season of early closing.

James B. Kidd, formerly with the Hinode Florist Co., is now with Wm. Elliott & Sons, the Fulton street seedsmen.

Brooklyn is to have a new plant, bulb and seed store at 784 Broadway. It will be opened by H. Miller.

J. K. Allen arranged to get back from his vacation in time to join the party for the Dayton convention.

Chas. H. Totty, of Madison, has been spending a few days in the Canandaigua district.

A. M. Henshaw moves into the city this week from his summer residence at Summit, N. J.

Horace E. Froment is spending a short vacation at Lake George.

New York to Dayton.

The New York delegation, with ladies, to the number of about 50, left New York at 2:04 p. m. on Monday in a special Pullman car attached to the Southwestern Limited over the New York Central railroad. The transportation committee of the Florists' Club, cooperating with the house committee of the club, saw that an apartment on the train was well stocked with refreshments, both solid and liquid, and the party soon settled down to enjoy the trip.

At Albany a few members of the Boston delegation boarded the train and were welcomed by their New York friends. Director E. V. Hallock and Mrs. Hallock also joined the party at this point. Other delegates were picked up along the road at Rochester and Buffalo. At the latter place about midnight President W. F. Kasting and Mrs. Kasting, with a party, boarded the train, and felicitations were in order during the morning. Dayton was reached about 10 a. m. on Tuesday after an uneventful but very pleasant journey.

That adage of J. K. Allen, "We open in the morning when the rooster crows," did not work on the Pullman car. Notwithstanding the crowing of a lot of roosters in express transit in the Cleveland station at dawn, and some amateur roosters who tried to work "crows" on him, J. K. refused to open even his eyes.

Most of the male contingent made an exhibition of their capabilities as early risers, and were not a bit disgusted to realize that the latitudinal change in time found them dressed one hour earlier than their boasted "usual." And, strange too, everyone said he had never slept better in his life.

The hearts of many, both Scotch and otherwise, bled with Alex. Wallace and John Birnie at their concert in the smoking room Monday night. At midnight they had still a song and a chorus or two to dispose of, but they finished their programme without interruption.

The mayor of Niagara Falls was on the train and made an informal call on the delegation in their car. The ladies were greatly pleased with the exalted gentleman's visit and he would undoubtedly be conceited had their encomiums been expressed in his presence.

When passing through Springfield, Ohio, the crowd sent up a hurrah as they caught sight of the faces of R. A. Vincent of White Marsh, Md., and his son, passengers on a Springfield street car.

Wm. Scott, of Buffalo, paid the party a cock-crow call Tuesday a. m. William seemed to regret that he had not boarded the train early on the previous evening.

Ex-President Traendly had some difficulty in collecting a certain very necessary part of his apparel Tuesday a. m., they or it having disappeared in the night.

The sterner sex were one and all enthusiastic in their praise of the ladies' efforts to make the car look like the interior of a milliner's shop.

Frank Traendly and Ed. Dorval dispensed the hospitalities of the sideboard with credit and to the great satisfaction of everybody.

Alex. J. Guttman gave an admiring throng a grand exposition of artist's work with a "real" safety razor.

It was a long wait for breakfast Tuesday morning and Charlie Weber got homesick.

Glen Cove, N. Y.

The Nassau County Horticultural Society met at the usual place August 8. There was a very large attendance, with President Harrison in the chair. One new member was elected and there was one nomination for active membership. In the competition for points S. J. Trepess scored 92⅓, H. Meyer 87 and Felix Meuse 81⅓. The silver match safe given for the best six varieties of vegetables was awarded S. J. Trepess. Others in the competition were J. Harrison, Peter Swen and H. Matz. Some good pears were exhibited by James Holloway, Cannas and Dendrobium thrysiflorum by F. Boulon, and Canna King Humbert by Peter Swen. The subjects for competition at next meeting will be dahlias in three classes, each with a box of cigars as a prize, as follows: best collection of single dahlias, best six varieties of show dahlias and best collection of cactus dahlia, all to be correctly named. A very interesting and able paper, entitled "How to Grow American Beauty Roses" was read by C. Bertenzel, of Glen Head, for which he received a very hearty vote of thanks. J. F. J.

Orchids!

ARRIVED IN SUPERB CONDITION.

Cattleya Dowiana, C. gigas, C. Mossiæ, C. Percivaliana, C. Speciosissima, C. Eldorado, C. superba, C. labiata, C. Leopoldii, and many more. Write for prices.

Lager & Hurrell, SUMMIT, N. J.

Orchid Growers and Importers.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World.

SANDER, St. Albans, England.

NEW YORK OFFICE: Room 1, 235 Broadway. **T. MELLSTROM** Agent.

HORACE E. FROMENT, Wholesale, Commission,
Successor to William Chormley.
Orchids, Roses, Carnations, Valley, Lilies, Etc.
57 West 28th Street, NEW YORK CITY.
Telephones 2200 and 2201 Madison Square.

Trade Directory
—OF THE—
UNITED STATES AND CANADA.
PRICE $2.00, POSTPAID.
American Florist Co., 324 Dearborn St., Chicago.

Choice Carnations. Selected Roses.
Traendly & Schenck
NEW YORK CITY,
44 W. 28th Street, Cut Flower Exchange.
New Telephone No. 798 & 799 Madison Sq.
Please mention the American Florist when writing

CARNATIONS
MY SPECIALTY
Consignments Solicited. Prompt Payments
Established 1891.
Alfred H. Langjahr, 55 W. 28th St., NEW YORK
Telephone 3924 Madison Square.
Please mention the American Florist when writing.

Original Pioneer House—Established 1871.
JAMES HART
103 W. 28th St., NEW YORK.
Wholesale and Commission
Consignments solicited. Shipping orders promptly attended to. 'Phone 626 Madison.
Please mention the American Florist when writing.

FORD BROS.
Receivers and Shippers of
Fresh Flowers
48 West 28th St. NEW YORK.
Telephone 3870-3871 Madison Sq.
Please mention the American Florist when writing.

N. Y. Cut Flower Exchange
Coogan Bldg., 6th Ave. & W. 26th St., New York.
Open for Cut Flower Sales at 6 o'clock Every Morning.
Desirable Wall Space to Rent for Advertising.
V. S. DORVAL, JR., Secretary.

The Best Way to Collect an Account
is to place it with the
NATIONAL FLORISTS' BOARD OF TRADE,
56 Pine St., New York.
Why? Because many debtors will pay the Board, fearing otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.

Adiantum Farleyense
I can quote splendid stock at from $2.00 per dozen up to $24.00 per dozen, in 2-inch to 6-inch pots. If you are looking for Farleyense, better write me about it.
CHARLES H. TOTTY,
Madison, N. J.
Please mention the American Florist when writing.

Wholesale Flower Markets

NEW YORK, Aug. 23.

Roses, Beauty	best	10.00@20.00
" "	medium	6.00@10.00
" "	culls	1.00@ 4.00
" Liberty,	best	4.00@10.00
" "	culls	1.00@ 4.00
" Bride, Bridesmaid, G. Gate.		.50@ 4.00
" Kaiserin, Carnot		1.00@ 6.00
Carnations		.50@ 1.00
"	fancy and novelties	1.50@ 2.00
Lily of the valley		.50@ 3.00
Lilies		6.00@ 8.00
Smilax		6.00@ 8.00
Adiantum		.50@ .75
Asparagus		20.00@50.00
Sweet peas	per doz. bu.	.12@ .25

Thomas Young
WHOLESALE FLORIST.
43 West 28th St., NEW YORK.

Alex. J. Guttman
The Wholesale Florist of
NEW YORK.
Phone 1664-1665 Mad, Sq. 43 W. 28th Street.

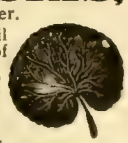
Moore, Hentz & Nash,
Wholesale Commission Florists,
55 and 57 West 26th Street,
Telephone No. 756 Madison Square. New York.

N. Lecakes & Co.
53 W. 28th St., NEW YORK.

Tel. No. 1214 Madison Square

Stands at Cut Flower Exchange, Coogan Bldg., W. 26th Street & 34th Street Cut Flower Market. SPECIALTIES: Galax Leaves, Ferns and Leucothoe Sprays, Holly, Princess Pine and all kinds of Evergreens.
Green and Bronze Galax Leaves, $1.00 per 1000.

A. J. FELLOURIS,
J. J. Fellouris, Manager.

Wholesale and Retail Dealer in all kines of
EVERGREENS,
Fancy and Dagger Ferns. Bronze and Green Galax.

Telephone, 2675 Madison Square.
52 West 28th Street, NEW YORK.

George Cotsonas & Co.
Wholesale and Retail Dealers in all kinds of

Evergreens.
Fancy and Dagger Ferns, Bronze and Green Galax.
Phone 1202 Mad. Sq.

Main Store, 50 W. 28th St., NEW YORK.

—FLOWERS SHIPPED BY—
JOHN I. RAYNOR
Are the best product of the best growers for the New York Market.
Adiantum Croweanum sold here exclusively.
49 W. 28th St., NEW YORK.
Tel. 1998 Madison Square.
Please mention the American Florist when writing.

Walter F. Sheridan,
WHOLESALE FLORIST,
Telephone 902 Madison Square.
39 West 28th St., NEW YORK.
Please mention the American Florist when writing.

J. Seligman. Joseph J. Levy
John Seligman & Co.
WHOLESALE FLORISTS
56 West 26th Street, NEW YORK.
OPPOSITE N. Y. CUT FLOWER CO.
Everything in Cut Flowers. Consignments from growers solicited. Prompt returns. Best prices. Satisfaction guaranteed. Tel. 4878 Madison.
Please mention the American Florist when writing

PHIL. F. KESSLER
Wholesale Commission Florist
Telephones { 2921 / 5243 } Madison Square.
55 WEST 26th STREET,
Consignments solicited. Prompt payments. New York.

A. M. HENSHAW
Wholesale Commission Florist.
Consignments of first-class stock solicited. Out of town orders carefully and promptly filled.
Telephone 5583 Madison.
52 W. 28th St., NEW YORK
Please mention the American Florist when writing

Receivers and Shippers of Cut Flowers.
Consignments Solicited.
A. L. YOUNG & CO. Wholesale Florists
54 West 28th Street.
Telephone 3559 Madison Sq. NEW YORK.

THE KERVAN COMPANY,
20 West 27th St., NEW YORK.
Wholesale dealers in fresh cut Palmetto and Cycas Palm leaves, Galax, Leucothoe Ferns, Mosses and all Decorating Evergreens.

J. K. ALLEN,
Wholesale Commission Florist.
106 West 28th St., NEW YORK CITY.
Open every day at 6:00 A.M. Tel. 167 Madison Sq.

IT IS NOT...
what you pay for the advertisement but what the advertisement pays you. It pays to advertise in the **American Florist.**

CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices

DETROIT.

JOHN BREITMEYER'S SONS

Cor. MIAMI and GRATIOT AVES.

DETROIT, MICH.

...Artistic Designs...

High Grade Cut Blooms.

Wa cover all Michigan points and good sections of Ohio, Indiana and Canada.

Please mention the American Florist when writing.

MILWAUKEE.

C. C. Pollworth Co.

MILWAUKEE, WIS.

Will take proper care of your orders in **WISCONSIN.**

INDIANAPOLIS.

Bertermann Bros. Co.

FLORISTS

241 Massachusetts Ave., INDIANAPOLIS, IND.

ST. LOUIS.

Fred. C. Weber,

FLORIST,

4320-4328 Olive St., ST. LOUIS, MO.

Established 1873. Bell, Lindell 676.

DENVER.

The Park ...Floral Co.

J. A. VALENTINE, President. DENVER, COLO.

Please mention the American Florist when writing

OMAHA.

HESS & SWOBODA,

Florists,

1415 Farnam Street, Phone 1501 and L. 1582. OMAHA, NEB

Please mention the American Florist when writing.

DENVER.

FLORAL DESIGNS AND FLOWERS.

Best Quality on Shortest Notice.

DANIELS & FISHER, DENVER, COLO.

Order by mail, telephone, telegraph or cable. Cable address: "Daniels Denver."

AMERICAN FLORIST ADS

Always do business
Week days and every day
Sundays and holidays
All over the country
At home and abroad

LONDON PARIS BERLIN

A. Lange

Prompt Attention to STEAMSHIP ORDERS.

Main Address
40 East Madison Street,
Heyworth Bldg.
... CHICAGO.

Agents in all Leading European Cities.

GUDE BROS. CO. FLORISTS 1214 F ST. N.W. WASHINGTON, D.C.

WASHINGTON, D. C.

Gude's.

CHICAGO.

P. J. HAUSWIRTH

Auditorium Annex,

CHICAGO

Mail, telegraph or telephone orders filled promptly in best style.

Please mention the American Florist when writing

BUFFALO.

Palmer's

Buffalo, N. Y.

W. J. Palmer & Son, 304 Main St.

WASHINGTON.

GEO. H. COOKE,

FLORIST

Connecticut Avenue and L Street

WASHINGTON, D. C.

Please mention the American Florist when writing

KANSAS CITY.

Samuel Murray

...FLORIST...

Coates House Conservatory

1017 Broadway, KANSAS CITY, MO.

Both 'Phones 2670 Main.

Write, Telephone or Telegraph. All orders given prompt attention.

KANSAS CITY.

GEO. M. KELLOGG,

696 Grand Avenue,

KANSAS CITY and PLEASANT HILL, MO.

Will fill all orders for **Cut Flowers, Funeral Designs, Wedding** and **Birthday Gifts** that may be entrusted to them.

ATLANTA.

ATLANTA FLORAL CO.

41 Peachtree Street, ATLANTA, GEORGIA.

NEW YORK.

W. H. Donohoe,

2 WEST 29th STREET,

Formerly of Young's. NEW YORK.

Tel. 3034 Madison Sq.

Orders from the trade, for theatre, steamship or otherwise, filled in first class style, at wholesale prices. TRY ME.

BROOKLYN, N. Y. NEW YORK.

Robert G. Wilson,

BROOKLYN, N. Y., Fulton St. and Greene Ave.

NEW YORK, 48 W. 30th St.

Trade orders from all parts of the country filled for delivery at residence, steamer, hotel or theatre, on wholesale basis. Satisfaction guaranteed. Wire or telephone.

ALBANY, N. Y.

EYRES

Flowers or Design Work.

DELIVERED IN ALBANY AND VICINITY ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

ST. PAUL.

HOLM & OLSON,

ST. PAUL.

THE LEADING FLORISTS OF THE NORTHWEST

Orders will be well cared for anywhere in Minnesota and the Dakotas.

GALVESTON.

Mrs. M. A. Hansen,

—FLORIST—

Galveston, Texas.

Special attention given to Telegraph or Telephone Orders. 'Phone 1912.

JACKSONVILLE.

MILLS THE FLORIST,

36 W. Forsyth Street,

JACKSONVILLE, FLA.

WASHINGTON.

Mayberry & Hoover

Florists and Decorators

1339 Fourteenth St., Northwest

Telephone North 508. WASHINGTON, D. C.

New Orleans

CUT FLOWERS

For Tourists and General Trade.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, 838 CANAL ST.

COLUMBUS.

The Livingston Seed Co.

FLORISTS

Cover All Ohio Points. 114 North High St.

ROSES and CARNATIONS.

We are Headquarters for Roses, Carnations, Beauties and Valley. Write for special quotations.

A. L. RANDALL CO., 19-21 Randolph St., **CHICAGO.**

The Cleveland Cut Flower Company,

WHOLESALE CUT FLOWERS, FLORISTS' SUPPLIES, WIRE DESIGNS.

215 Huron Road, CLEVELAND, OHIO.

Cut Flowers or Designs

Will be delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

NEW YORK.

Alexander McConnell

IN NEW QUARTERS.

571 Fifth Avenue, Windsor Arcade, NEW YORK CITY

TELEGRAPH orders forwarded to any part of the United States, Canada and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive our prompt attention.

Telephone Calls: 340 and 341 38th Street.
Cable Address: ALEXCONNELL.
WESTERN UNION CODE.

LOUISVILLE.

JACOB SCHULZ, 644 Fourth Ave., LOUISVILLE, KY.

Cut Flowers of BEST QUALITY in season delivered promptly to any address.

Write, Telegraph or Telephone.
Cumberland and Home Phones 223 and 984.

Steamship Sailings.

WEEK ENDING SEPTEMBER 1.

Aug. 28, Carmania, New York-Liverpool.
Aug. 28, Caronia, Liverpool-New York.
Aug. 28, Slavonia, New York-Naples.
Aug. 28, Kaiser Wilhelm der G.-B'm-N.Y.
Aug. 28, Bremen, New York-Bremen.
Aug. 29, Baltic, New York-Liverpool.
Aug. 29, Madonna, New York-Naples.
Aug. 29, Ryndam, New York-Rotterdam.
Aug. 29, Lazio, New York-Genoa.
Aug. 29, Haverford, Liverpool-Philadel.
Aug. 30, Virginian, Montreal-Liverpool.
Aug. 30, La Savoie, New York-Havre.
Aug. 30, Ottawa, Liverpool-Montreal.
Aug. 30, United States, New York-Copen.
Aug. 30, C. F. Tietgen, Copenhagen-N. Y.
Aug. 30, Amerika, New York-Hamburg.
Aug. 30, Konigin Luise, Genoa-New York.
Aug. 31, Victorian, Liverpool-Montreal.
Aug. 31, Parisian, Boston-Glasgow.
Aug. 31, Laurentian, Glasgow-Boston.
Sept. 1, Pomeranian, Montreal-London.
Sept. 1, Astoria, New York-Glasgow.
Sept. 1, Furnessia, Glasgow-New York.
Sept. 1, Italia, New York-Naples.
Sept. 1, Perugia, Naples-New York.
Sept. 1, St. Louis, New York-Southamp'n.
Sept. 1, St. Paul, Southampton-New York.
Sept. 1, Merion, Philadelphia-Liverpool.
Sept. 1, Lucania, New York-Liverpool .
Sept. 1, La Lorraine, Havre-New York.
Sept. 1, Canada, Montreal-Liverpool.
Sept. 1, Lake Manitoba, Montreal-Liver'l.
Sept. 1, Batavia, New York-Hamburg.
Sept. 1, New Amsterdam, Rotterdam-N.Y.
Sept. 1, Princess Irene, New York-Genoa.
Sept. 1, Finland, New York-Antwerp.

"I had a dream the other night," said the joker at a luncheon table recently. "I dreamed I was in business with a rich man, selling potted flowers. But business was bad, and we decided to discontinue business. I wanted the pots and the flowers, and took them."

"What did the rich man want?" asked one of the guests innocently.

"He wanted the earth," replied the wit.

—Ladies' Home Journal.

150,000 FIELD-GROWN CARNATIONS.

VERY FINE. PERFECTLY HEALTHY.

Lady Bountiful,	Flamingo,	Buttercup,
	Price $7.00 per 100.	
Enchantress,	Lawson,	Queen,
Cardinal,	Roosevelt,	M. A. Patten,
	Price $6.00 per 100.	
Queen Louise,	E. A. Nelson,	Eldorado,
Flora Hill,	Portia,	Crocker,
J. H. Manley,	Prosperity,	Dorothy,
	Price $5.00 per 100.	

J. L. DILLON, Bloomsburg, Pa.

50,000 CARNATIONS,

Bushy, low-topped plants, grown on new soil, perfectly healthy.

Lawson very large size, $6.00 per 100. Gov Wolcott, Estelle, $6.00 per 100. Boston Market Hill, Norway, Lord, Joost, Lawson, $5.00 per 100. **Thousand rates, $55.00 and $45.00.** There are, lower prices offered on carnations, but we guarantee that our plants are worth the money. Every customer this year is highly pleased. Not a single complaint.

ROSES. **ROSES.**

Strong, clean, 3-inch, Bride, Maid, Chatenay, Kaiserin, $4.00 per 100; $35.00 per 1000. 2½-inch Bride and Maid, $2.50 per 100; $20.00 per 1000. **SMILAX,** 3-inch, twice cut back, for early strings, $4.00 per 100. 2½-inch, $2.00. **BOSTON FERNS,** fine, 3-inch and 3½-inch, at $10.00 and $12.00. Choice ones.

W. H. GULLETT & SONS, Lincoln, Ill.

SPECIAL
CLEARING SALE

Of strictly first-class stock only

GERANIUMS Short and strong plants from 2½-inch pots $1.50 per 100; $14.00 per 1000. Varieties: Beaute Poitevine, Mrs. E. G. Hill, S. A. Nutt, Mme. Buchner (white).

SMILAX Fine young plants from 2-inch pots, ready to plant, 75c. per 100; $7.00 per 1000.

ASPARAGUS PLUMOSUS NANUS, from 2¼-inch pots, $2.00 per 100. Cash.

The W. T. BUCKLEY COMPANY,
Springfield, Ill.

SPECIALTIES.

ROSES from 3-inch pots. **CHRYSANTHEMUMS.**
CARNATIONS, for fall delivery. **SMILAX. VIOLETS.**
IN BEST VARIETIES.
Prices low. Send for list.

WOOD BROTHERS, Fishkill, N. Y.

STRONG, HEALTHY, FIELD-GROWN

Carnation Plants

that will please you. 500 Boston Market, 900 F. Hill, 1,000 Queen Louise, 600 Pink Lawson, 500 Morning Glory, 300 White Cloud, 600 Crane, $4.00 per 100. Cash with order.

SUNNYSIDE GREENHOUSES,
Owosso, Mich.

It is good business policy to mention
The....
AMERICAN FLORIST
When you write to an advertiser

CARNATIONS.

The finest, healthiest lot of field-grown plants in the Middle West, mostly planted out of 2½-inch pots. Flamingo, Prosperity, Crane, Wolcott, Harlowarden, Richmond Gem, Estelle, $6.00 per 100; $50.00 per 1000. Boston Market, $4.50 per 100; $40.00 per 1000. Queen Louise, $4.00; $35.00 per 1000. Norway, $4.00 per 100; $30.00 per 1000.

ASPARAGUS.

Heavy, 2½-inch, plants, ready for a shift.
Plumosus nanus.....$3.50 per 100; $30.00 per 1000
Sprengeri, extra fine.. 3.00 per 100; 25.00 per 1000
field-grown clumps, $6.00 per 100.
California Violets, 3½-in. pots.....$4.00 per 100
Christmas Peppers, 3½-in. pots..... 4.00 per 100

J. W. DUNFORD,
CLAYTON, MO,

Please mention the American Florist when writing.

CARNATIONS

Field-grown plants for August 27 and later delivery.

The H. Weber & Sons Co. OAKLAND, MD.

Please mention the American Florist when writing.

Queen Beatrice Rose.

Four to one shot. Four times as many flowers as Maid.

F. H. KRAMER, 916 F St., WASHINGTON, D. C.

Please mention the American Florist when writing

The Seed Trade.

American Seed Trade Association.
H. W. Wood, Richmond, Va., Pres.; C. S. Burge, Toledo, O., First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas. Twenty-fifth annual convention at New York, 1907

MELON DAY at Rocky Ford, Col., will be celebrated September 6 this year.

J. E. NORTHRUP, Minneapolis, Minn., has been ordered by his physician to take a month's rest.

CONNECTICUT sweet corn prospects are reported above the average at this date although the season is late.

WISCONSIN PEA reports continue favorable and early estimates are likely to be maintained. Garden beans in Wisconsin are also looking well.

CHAS. HOLLENBACH, son of Peter Hollenbach, is to be married August 26. All wish the young couple the happiest and most properous of careers.

A. EMERICH will sail for the United States September 15 on the S. S. La Savoie in the interest of Vilmorin-Andrieux & Co. He has just been favored with a gold medal as collaborator with his firm at the St. Louis exposition.

THE TEMPLIN CO., which for years has conducted a seed business and greenhouse establishment at Calla, O., has purchased the old stand of the Walker McLean Co., and will make Youngstown, O., its headquarters in the future.

KENTUCKY BLUE GRASS seed which is quoted at $1.65 per bushel is reported to be boosted by three large Kentucky firms who are buying very heavily. Good authorities say it rests with the jobbers as to whether these prices can be maintained, as there is a total of 500,000 bushels available, counting both old and new seed.

SAN FRANCISCO, CAL., August 9.—The seed harvest is in full blast on nearly all lines. The crop is proving to be an average one along most lines, with onion and sweet peas rather shorter than expected. So far the weather conditions have been ideal for harvesting and crops generally are getting ripe earlier than usual.

HENRY W. WOOD, president of the American Seed Trade Association, has issued an address to the public in which he declares the seed dealers will attack at the next session of congress any appropriation for free seed distribution. Mr. Wood calls attention to the fact that the total packet seed trade last year was only 120,000,000, of which the government distributed 40,000,000. This he says is interference with a legitimate industry. The state grangers have been enlisted in the fight against free seeds and many of them have adopted resolutions asking congress to forego the custom.

The A. J. Pieters Seed Co. will shortly engage in the vegetable and flower seed growing business in the San Juan Valley, Cal., and will be ready for planting the coming season. A. J. Pieters, for some time with the United States Department of Agriculture at Washington, is the president and general manager of the new concern.

VISITED CHICAGO: A. B. Haven, of the Haven Seed Co., Lodi, Cal.; A. W. Annandale, representing the Steele, Briggs Seed Co., Toronto, Ont.; J. C. Robinson, Waterloo, Neb., just returning from the Pacific coast; Frank W. Maas, of the Planters' Seed Co., Springfield, Mo.; A. A. Berry, Clarinda, Iowa; John Hume, Port Hope, Ont.

James Vick's Sons, Rochester, N. Y.

The accompanying illustration shows the employers and employes of the James Vick's Sons as they appeared at their picnic at Newport, August 11. Three of the oldest employes in the present business are F. S. Fisher, to the extreme left in second row, Miss Mina Phillips, second lady in the second row from the top on the right of the picture, and J. B. Fuller, who was interested in the printing business with the late James Vick (man with beard in front row), assisted in making up the first catalogue and packing seeds 60 years ago. Both Mr. Fisher and Miss Phillips entered the employ of Mr. Vick in 1868. F. B. King, secretary of the company, is shown on the extreme right of the first row. The bald gentleman in the last row is the treasurer, W. T. Fonda.

EMPLOYERS AND EMPLOYES OF JAMES VICK'S SONS, ROCHESTER, N. Y.
Photograph taken at their annual picnic at Newport, August 11, 1906.

French Seed Crops.

Paris, August 10.—Matters in our leading growing district (western France) are growing worse every day in consequence of the protracted drought prevailing here. What little beet seed that will be saved will be small and not very good looking. Spring radish seed is the worst of all and will be almost a total failure. Happy the seedsmen who have some grown in other parts of France, where the crop is expected to be somewhat better. Anyhow new crop radish seed will be very scarce and the extraordinary poor yield will have the effect of sending prices skyhigh ere long. Seedsmen in many cases will have to be satisfied with seed of the previous crop and as its vitality, in consequence of the wet weather under which it had been harvested last year, did not keep very well, they will be on the safe side by recommending their customers to sow a little thicker than usual. The summer and winter radishes, which early in the season looked more promising than the spring radishes, will fall far below expectations.

Celery, endives, cucumbers, melons, squash, pumpkins and beans are all suffering from the extraordinary dryness and their yield is dependent upon a fair supply of rain within the next couple of weeks, otherwise the result will also be very disappointing. Lettuce is just now in the blossoming stage and needs rain very badly. Carrots bear out the forecast made some weeks ago in my notes and prospects are a little better, although in some regions the grubs are playing havoc. Of chervil, dandelion, cabbage and thyme the yield in western France is light. Sage, corn salad, sorrel, parsley, leek and onion warrant a little more hopeful view, but as already intimated previously when speaking of the latter article, we shall have no seed of the American onions, such as white, red and yellow globes, etc., for export.

The shortage on many articles is alarming and altogether it is a distressing season for the growers. Many seeds drying up prematurely will not be as perfectly developed as usual, but seedsmen must not be over-exacting as regards appearance and germination with the deliveries of the growers, who in many cases will lose a whole year's labor. Many young plants for the 1907 crop, such as onions, leeks, cabbages, etc., suffering also from the abnormal drought, are pretty weak. The growers who started some time ago sowing beets and carrots for next year's crop had to resow their land a second time. But let us not take a too gloomy view of the situation and express the hope that conditions will soon take on a more favorable aspect.

PARISIAN.

5,400 ACRES OF GARDEN SEEDS IN CULTIVATION.
Braslan Seed Growers Co.
WHOLESALE SEED GROWERS.
SAN JOSE CALIFORNIA.

Boston.

H. E. Fiske, of this city, has organized a stock company capitalized at $30,000 to be known as the H. E. Fiske Seed Co. Mr. Fiske is president and manager and W. C. Briggs treasurer of the new concern. They will be located at 12 and 13 Faneuil Hall square, directly opposite Faneuil hall, about September 15. The building was formerly occupied for many years by the W. W. Rawson Co., and is the best location in the city, controlling an enormous transient trade. It is being remodeled throughout with all modern improvements, new and up-to-date fixtures, and will make one of the finest seed houses in the country when completed. Mr. Fiske has been connected with the W. W. Rawson Co. for the past 17 years, holding the position of manager for 12 years, and through his genial disposition and strictly business ways has made many friends among the growers, retailers and flower-buying people and all wish him the greatest success in his new undertaking. John Clark, well known among the trade, is to be located with the H. E. Fiske Co., where he will be pleased to meet all his former friends.

The W. W. Rawson Co. reports a brisk sale on their Lilium Philippenense, and being an extremely early forcer it will in a great measure relieve the shortage of Harrissi in the market.

Robert Montgomery, Jr., of the W. W. Rawson Co., is to be located with the Schlegel & Fottler Co. about September 1.

There was a fine display of show dahlias in the windows of Schlegel & Fottler Co. the past week.

Wm. Cahill, of the Schlegel & Fottler Co., is sojourning for two weeks at Center Harbor, N. H.

B.

Erfurt Seed Crops.

Our meteorological record for the present summer is a mixture of thunderstorms and torrential rains, with a few hot days thrown in. This has not aided vegetation to catch up the ground lost through the late commencement of spring and things in general are nearly a fortnight behind the usual time. In some places the rains have badly laid the crops. Warmer and drier weather however now seems to have set in to the great relief of our seed growers.

Peas have made a luxuriant growth, and if the weather favors the development of the pods they should turn out a good crop. Beans did not come up as well as usual owing to unfavorable conditions of harvesting last autumn, and any attempt to judge their prospects as yet would be premature. Neither onion, carrot, nor cucumber are in very good shape, while lettuce, radish, spinach and mangel-wurzel are looking all right so far. Cabbage, kale and beet are also doing favorably, though the acreage of these is smaller than usual.

Flower seeds are mostly longing for some warm and not too moist weather. Perennials are yielding well, but some biennials, such as forget-me-not, will naturally be short, owing to the loss of so many plants during the winter. Pansies are not seeding well and badly need some consistent sunshine, the damp atmosphere having hindered the setting of the pods. Sweet peas, though late, look healthy, and the same may be said in general of the annuals, which have, however, a considerable amount of leeway to make up. Some of the more delicate kinds of asters have suffered by the wet and look as if insects had been at them, but on the whole this important culture is in a fairly promising condition. Ten-week stocks are coming along all right, but double wallflowers will only be a small crop. The large-flowering petunias now make a grand show on the stages and form the admiration of numerous visitors, of whom we have had several from England and America, and the same may be said of the stage carnations. Cinerarias, calceolarias and primulas have all yielded satisfactorily. —Horticultural Trade Journal.

Reliable Mushroom Spawn

Originators and Growers of Superior Strains of Pure Culture Mushroom Spawn.
For particulars, free booklet, etc., address

E. L. HESS, 604 LaSalle Ave., CHICAGO,
SPECIAL AGENT
for Pure Culture Spawn Co., of Pacific Mo.
Please mention the American Florist when writing

PANSY SEED.

Brown's extra Select superb giant prize Pansies awarded silver medal St. Louis Exposition, 1904. My own grown, new, 1906 crop, ready.

PRICE MIXED SEED:

3,000 seeds	$ 1.00
¼ oz.	1.50
½ oz.	2.50
1 oz.	5.00
¼ lb.	14.00
½ lb.	25.00
1 lb.	50.00

Cash with order.

PETER BROWN,
LANCASTER, PA,
Please mention the American Florist when writing.

WHEN BUYING **MUSHROOM SPAWN** Buy the Best You Can Get.

We Grow Mushrooms. We are headquarters for **"PURE CULTURE" SPAWN** and importers of **ENGLISH MUSHROOM SPAWN.**
Write us and we will send you free of charge valuable information on the subject.
Fresh Supply of Spawn Every Month.

KNUD GUNDESTRUP & CO., MUSHROOM SPECIALISTS,
4273 Milwaukee Ave., CHICAGO.

PACIFIC SEED GROWERS' CO.
109 MARKET STREET
SAN FRANCISCO, CAL.
Specialties:
Onion, Carrot, Lettuce, Sweet Peas

Stokes Standard Seeds.

Are Money Makers.

Stokes Seed Store.

219 Market Street, .·. PHILADELPHIA.
SEND FOR CATALOGUE.

NOW READY.

NARCISSUS PAPER WHITE GRANDIFLORA and WHITE ROMAN HYACINTHS.

We offer the finest bulbs for immediate delivery, as follows:

Narcissus Paper White Grandiflora, finest quality bulbs, 13 cm. and up, 1,250 bulbs to the case, $11.25 per case; less quantities at $1.00 per 100.
Paper White Grandiflora Narcissus is always a money-maker. Plant at once for earliest crop, which is the most profitable.

White Roman Hyacinths, finest quality bulbs, 12 to 15 cm., about 1,800 bulbs to the case, $2.50 per 100; $23.00 per 1000.

Freesia Refracta Alba, finest Bermuda-grown bulbs, ½-inch up, $7.50 per 1000.
Bermuda Buttercup Oxalis, $1.00 per 100; $7.50 per 1000.

Lilium Harrisii, 6 to 7-inch bulbs, 335 to the case, $13.50 per case; less quantites, $5.00 per 100. Larger sized bulbs all sold out.

F. R. PIERSON CO.
Tarrytown-on-Hudson, New York.

Toronto.

BUSINESS BETTER.

Business has shown considerable increase and stock is continually getting better. Roses show great improvement. American Beauty from young stock is very good. Killarney with its pleasing color and other varieties find ready sale. The past week has seen an increase in prices. Carnations from young plants are showing good quality and are becoming more plentiful. Asters and other outdoor stock have shortened up considerably, which is a good thing for the growers.

NOTES.

Considerable anxiety has been caused the growers through the stand taken by our large department store in notifying them that the sale of plants would be discontinued and that in the near future cut flowers would be treated likewise. This firm has always purchased in large quantities. No doubt the business will return to the small florists and the market.

The Andras-Frances wedding on August 18 was the event of the season. John H. Dunlop had the decorations and bouquets, the details of which were all artistically carried out.

J. S. Simmons and wife had to cancel their European tour the day of sailing, Mr. Simmons being too ill to undertake the voyage. A trip through old Quebec is now being taken.

D. J. Sinclair has returned from Montreal, where he completed arrangements for a wholesale store which he will open on St. James street on September 1.

R. Jennings, Brampton, was a visitor. Carnations and violets, which are his specialties, were never in better shape.

H. G. D.

London, Ont.

The Horticultural Society held its annual flower show August 16 and 17. Gladioli and sweet peas were the main features with a good assortment of annuals and perennials, which filled the hall completely. The firm of J. Gummage & Sons had on exhibition a splendid group of palms and foliage plants including some Nephrolepis Whitmani. The firm of J. Gummage & Sons held its annual picnic at Port Stanley, Lake Erie, August 1. To judge by the happy faces seen there, all had a good time. A vote of thanks was extended to Mr. Gummage by the employes.

HANS.

Fredericton, N. B.

This is the third successive dry summer in this locality. Small fruit has been plentiful. Apples are numerous on the trees, but there has not been enough rain to develop them. Asters, gladioli, dahlias and other outdoor flowers are looking well, but they require the hose daily. J. Bobbington & Son report that their carnations are being housed as rapidly as possible. Their chrysanthemums are looking well, as is also a fine lot of Asparagus plumosus and A. Sprengeri. Trade has been very good here. The funerals of two prominent citizens caused quite a run on the available stock.

SOUTH NORWALK, CONN.—Robt. G. Hanford has a large new greenhouse in course of construction.

Springfield, O.

As a forerunner of the Dayton convention, numerous delegations from distant eastern and southern points arrived here a day in advance (Monday), and visited the extensive greenhouses of the Good & Reese Co., the McGregor Bros. Co., and other plant growing establishments. This afforded members of the S. A. F. an opportunity of seeing the sources of supply from which they have drawn for many years past and more fully realizing the importance of this market in the shipment of plants.

In the matter of rainfall, thunderstorms and oppressive atmosphere, July and August have been record breakers in this locality. The crops of weeds have come on persistently and heavily, and in some cases noticed, outdoor plants are practically out of sight. During such weather, constant vigilance has been necessary, particularly about the propagating frames, where the careless or incompetent grower would be likely to suffer loss of cuttings, while the trained and painstaking expert would successfully carry his crop through all danger.

The Leedle Floral Co. is erecting two new houses 20x152 feet and a "lean-to" 10x105 feet. The space gained will be devoted to the housing of rose plants which are being propagated in large quantities for the floral and nursery trade.

GEO. DALE.

Columbus, O.

TRADE CONTINUES DULL.

The dull season still holds sway and except some funeral work, there is comparative quiet in the flower market. Excessive rain has done great damage to the aster crop, and these flowers, which have been so plentiful, are now on the verge of becoming scarce. There seems to be quite a demand for purple and white asters this week.

The Soldiers' Home at Sandusky, presents a beautiful appearance just now. There are 94 acres, and the grounds are in charge of J. L. Lambert, a most able man. The bedding displays great taste and skill. Mr. Lambert also has charge of several acres of vegetables. He is now designing a grotto which will be one of the finest in the state. The greenhouses are all being overhauled and reconstructed.

The bowling club has been suspended temporarily, during hot weather.

CARL.

Warren, O.

Work has just been completed in putting in a steam heating system at Mrs. Geo. W. Gaskill's greenhouses. Mrs. Gaskill intends building two more houses next spring.

Thos. Phelan has leased the Hoyt greenhouses and reports business very good. Mr. Hoyt has had very poor health of late and went to the seashore July 1.

James B. O'Neil, salesman for Vaughan's Seed Store, Chicago, was in town last week and received large orders from almost all the florists here.

J. H. Adgate and son are building a new propagating house. Mr. Adgate also has greenhouses in Niles, O.

T. J. M.

RICHMOND, IND.—Mrs. E. G. Hill is quite ill.

Bay Shore, N. Y.

The Bay Shore and Suffolk County Horticultural Societies have amalgamated and will henceworth be known as the United Bay Shore Horticultural Society. The officers of the new society are confident that they will have the best show this year ever given and will hold forth on October 25, 26 and 27 at the opera house. The following are the officers of the association: E. P. Strong, president; William Stuart, vice president; Wm. McCullom, secretary; David, McIntosh, treasurer; M. J. Connellon, corresponding secretary. The exhibition committee is composed of John Tobin, Geo. Jayne, David McIntosh, Nathan Yesek, John Rogers, Alfred Rochane and Nicholas Reil.

ROCKLAND, MASS.—Alvin Bates is building an addition to his greenhouse on Salem street.

NUNDA, N. Y.—The management of the Nunda Floral Society announces that about $200 has been cleared from the third annual carnival at the Presbyterian church held in Village building recently.

Gouverneur, N. Y.—I. M. Brainard, for 35 years a market gardener and plant grower at this place, has rented his green houses and land and retired from business. He is now 80 years of age and will spend the remainder of his life with his daughter.

WATERMAN, MASS.—The Homecrofters Guild has secured the Wilson estate on Main street. In the broad space of ground fringed by magnificent shade trees more than 100 children are planting and tending their little patches of garden. It has been found impossible to furnish space for all who have applied.

MANCHESTER, MASS.—The North Shore Horticultural Society held an exhibition of sweet peas July 20. Mrs. Wm. B. Walker made an exhibit of 20 varieties. The Spaulding estate also had a striking display. These two exhibitors were awarded prizes as were also Mrs. Scott Fitz, Mrs. Philip Dexter, and Mrs. H. L. Higginson.

PITTSFIELD, ME.—A. J. Loder recently purchased the Leighton house which is located on Lancey street; also the vacant lots adjoining the property. It is Mr. Loder's intention to erect a commodious greenhouse on the grounds as his present quarters are not large enough to meet the growing demands of his increased business.

NORTH YAKIMA, WASH.—The new warehouse of the Yakima County Horticultural Union was dedicated here July 17. There was a large turnout of the farmers and their wives. Congressman Jones was the speaker of the day. The building is 50 x 160 feet, three stories high, including basement, and constructed of stone. It is the largest warehouse in the Yakima valley.

JACKSON, MISS.—The Jackson Floral Co., incorporated with a capital of $5,000, has purchased a finely located tract of four acres in Belhaven Heights. One acre of the tract is now covered by a lake, and this will be broadened to two acres to be stocked with aquatic plants and game fish. Several large greenhouses will also be built.

VAUGHAN'S PANSIES

ARE BEST BY TEST.

Vaughan's Giant Named Varieties.

10 PER CENT SPECIAL CASH DISCOUNT.

On orders over $2.00 for Flower Seeds if the cash is enclosed **10 Per Cent.**

	Trade Pkt,	⅛ oz.	Oz.
Giant White, very large, with violet eye	$0.10	$0.20	$1.20
" **Aurora,** pure white	.10	.20	1.30
" **Adonis,** light blue with a white center very fine	.10	20	1.20
" **Auricula Colors,** metallic shades	.10	20	1.25
" **Black,** large true black	.10	.20	1.25
" **Beaconsfield,** upper petals light lavender, lower ones deep rich purple	.10	.20	1.20
" **Freya,** deep purple violet with a white margin	.10	.20	1.30
" **Mme. Perret,** lovely shades of pink and rose	20	.50	2.00
" **President Carnot,** fine blotched white	.10	.25	1.60
" **President McKinley,** fine blotched yellow	.10	.25	2.00
" **Pink,** lovely shades of pink same as Hydrangea	.10	.25	2.00
" **Purple,** very large rich	.10	.20	1.00
" **Violet Blue,** pleasing	.10	.20	1.00
" **Striped,** mahogany, striped and flaked white	.10	.20	1.20
" **Parisian Striped,** stripes are broader and louder than the preceding	.10	.20	1.30

	Trade Pkt,	⅛ oz.	Oz.
Giant Purple King, good	$0.10	$0.25	$1.50
" **Diana,** cream color	.10	.25	1.50
" **Atrosanguinea,** blood red	.10	.25	1.50
" **Emperor William,** dark navy blue	.10	.20	1.25
" **Yellow,** immense flowers with dark eye..4 oz..$4.25	.10	.20	1.25
" **Cassier,** 3 spotted	.10	.20	1.20
" " 5 spotted, an A1 strain	.25	.45	3.00
" **Bugnot,** the flowers are of enormous size, perfectly round, of great substance	.25	.60	4.50

Giant Bridesmaid. Its ground color is rosy white, rivaling in delicacy and beauty with the finest apple-blossom Trade Pkt., 25c; ⅛ oz., 45c; Oz., $2.60.

BOULOGNE GIANTS. This is a special selection of a French pansy grower; the flowers are of the largest size, of great substance and fine form, and are borne on particularly strong stems. They are mostly 3 and 5 blotched, delicately veined while the colors are rich and varied. Like all high-bred pansies, they are shy seed bearers. Trade Pkt., 50c

VAUGHAN'S INTERNATIONAL PANSIES—The Worlds' Best. This is a combination of as many separate colors, types, blendings and unique kinds as can be found in the world. **It is the best general mixture in existence** and is most widely known and popular. Price per oz., $10.00; ½ oz., $5.00; ⅛ oz., $1.50; trade pkt. 50c.

VAUGHAN'S CUT FLOWER MIXTURE OF PANSY SEED. Especially made from light colored Giant varieties for florists who raise for cut flowers in the house. Trade pkt., 25c; ⅛ oz., 80c; Oz., $5.50.

VAUGHAN'S "ELITE" MIXTURE. This is not a complete mixture like our International; it does not contain any pure white, yellow or any self colors nor any other of the well known kinds. It is comprised of the cream of four Pansy specialists' choicest and most expensive mixtures and such new and novel kinds as listed above. Trade pkt., 50c; ⅛ oz., $1.00

MASTERPIECE. This strain comes nearer to "Double pansies" than anything ever introduced under that name. In reality the number of petals is the same as that in other Pansy flowers, but they are crimped and curled in such a fashion that the flowers appear double. The flowers are of enormous size, often 3 inches across and the color variations and combinations are odd and striking. Trade pkt., 50c; ⅛ oz., 75c; ¼ oz., $1.35; oz., $5.00.

VAUGHAN'S "GIANT PANSY MIXTURE." This mixture includes the richest reds, coppers and bronzes, together with the most delicate rose and pink shadings, all the distinct colors of Trimardeau, the splendid Cassier strain with its delicate veinings. We have spared no expense to secure the newest, richest and finest sorts. Price, ¼ lb., $14.00; oz., $4.00; ⅛ oz., 60c; trade pkt. 25c.

VAUGHAN'S PREMIUM PANSIES MIXED. Embraces all the varieties of the Fancy German Sorts. Per pkt., 25c; ⅛ oz., 80c; ½ oz., $3.00; oz., $5.50.

CHICAGO PARKS BEDDING PANSIES. "Choice mixed," pkt., 10c; ¼ oz., 30c; oz., 75c; 4 oz., $2.50.

NEW ORCHID-FLOWERED. A most interesting type of Pansies of the Giant Flowered Class containing a mixture of the most surprising, novel, unique and beautiful color combinations. The colors range in the terra cotta shadings as well as in the flesh orange, rose pink and lilac. Trade pkt., 250 seeds, 25c; ⅛ oz.

IMPROVED GERMAN MIXTURE. This is a mixture of three strains from different German growers and is made up mostly of separate colors, with a sufficiently large percentage of white and yellow. Per large pkt., 10c; ⅛ oz., 20c; ¼ oz., 30c; oz., $1.00

14 Barclay St. NEW YORK **VAUGHAN'S SEED STORE,** 84-86 Randolph St. CHICAGO

Van Meerbeek & Co., HILLEGOM, HOLLAND.

DUTCH BULBS

Wholesale Only.

—HEADQUARTERS FOR— High-grade **Bulbs, Miscellaneous Roots and Herbaceous Plants.**

Clearance offer of **TULIPS, DAFFS., IRIS, GLADIOLI, LILIUM, MONTBRETIAS, ETC.** Prices on application.

NOW READY

Zirngiebel's Prize Pansy Seeds, in trade packages, **$1.00** each. Giant Market, 2000 seeds. Giant Fancy, 600 seeds. Full directions with each package.

AUGUSTUS ZIRNGIEBEL, NEEDHAM, MASS.

BURPEE'S SEEDS PHILADELPHIA.

Wholesale Price List for Florists and Market Gardeners.

C. C. MORSE & CO.

SEED GROWERS.

171-173 Clay Street, : SAN FRANCISCO, CAL.

OUR SPECIALTIES: Onion, Lettuce, Sweet Peas; also Carrot, Celery, Celeriac, Cucumber, Endive, Leek, Mustard, Parsley, Parsnip, Radish, Salsify, Spinach, Tomato and **Flower Seeds.**

Growers for the Trade on Contract.

Warehouses: at SANTA CLARA.

Farms and Farm Headquarters: CARNADERO, near GILROY.

Registered Cable Address: "Morseed," San Francisco.

The Nursery Trade

American Association of Nurserymen.
Orlando Harrison, Berlin, Md., President; J. W Hill, Des Moines, Ia., Vice-President; George C. Seager, Rochester N. Y., Sec'y.
Thirty-second annual convention, Detroit, Mich., June, 1907.

THE JACKSON & PERKINS CO., of Newark, N. J., has been incorporated for $100,000.

Wm. L. Manning, of Boston, has been in Albany to select a site for the state education building.

MACON, GA.—P. J. Berckmans, of Augusta, was re-elected president of the State Horticultural Society at its annual meeting August 9. J. B. Wight, of Cairo, was elected secretary. The exhibition of fruits was the largest and most complete seen in years.

MISSOULA, MONT.—A fire which threatened for a time to wipe out the entire plant and buildings of the Missoula Nursery Co. broke out shortly after midnight August 12, but by the heroic efforts of the men of the company and neighbors the fire was confined to a packing shed and a tool house, both of which were completely destroyed, with their contents. The loss is estimated by Manager Dallman of the company at $500. The buildings were completely covered by insurance.

The American Apple Growers' Congress.

All the principal apple growing states in the union were represented in the American Apple Growers' Congress which was in session August 14 and 15 at the Planters Hotel, St. Louis. Officers were elected, as follows: Henry M. Dunlap, Savoy, Ill., president; W. R. Wilkinson, St. Louis, vice president; T. C. Wilson, Hannibal, Mo., secretary; Wesley Green, Des Moines, Ia., treasurer; Geo. T. Tippin, Springfield, Mo., statistician. U. T. Cox, Rockwood, O., R. A. Simpson, Vincennes, Ind., J. W. Stanton, Richview, Ill., and Clark Allis, Medina, N. Y., will compose the executive board. A resolution was adopted making the third Tuesday in October national apple day. The congress will be held again in St. Louis next year, on August 13 and 14.

Large Furit Crop.

Judging from the latest reports the fruit crop in the Missouri valley, which is soon to be harvested, will be the largest yield for many years. Weather conditions have been perfect; we have had no destructive hail, and a proper amount of rain fell at the right time to insure a record breaking crop. A report from the territory of Leavenworth, Kans., says this will be the best crop for years. The trees in many orchards which have not borne fruit for five years are loaded with perfect fruit. From near Lee's Summit, Mo., where orchards cover thousands of acres, comes the same assurance of a bountiful yield. It is estimated that in the vicinity of that place over 80,000 barrels of apples will be gathered. From the northern portion of the Missouri valley comes the same story of large yields. It is safe to estimate the yield in that territory at more than a million barrels.

K. C.

Southern Nurserymen's Association.

The eighth annual meeting of the Southern Nurserymen's Association met on Lookout mountain, Chattanooga, Tenn., August 15 and 16. The meeting was well-attended, about 75 southern nurserymen being present and a number of entomologists from about eight states. Papers were read as follows:

"The Retail Nurserymen's Success or Failure," by John A. Young, Greensboro, N. C.

"How Can Nurserymen Realize More Money for Their Fruit Trees?" by C. M. Griffith, Jacksonville, Fla.

"Should the Large Orchardist Get the Benefit of the Wholesale Prices on Trees?" by R. C. Berckmans, Augusta, Ga.

"Who is Making Money in the Nursery Business?" by J. J. Harrison, Cleveland, Tenn.

"Growing Better Nursery Stock," by W. T. Hood, Richmond, Va.

"Preparation and Planting of Nursery Stock and Early Care," by A. A. Newson, Knoxville, Tenn.

"Uniform Standard of Grading Nursery Stock the World Over," by E. A. Easterly, Cleveland, Tenn.

"Growing of Pear, Cherry and Plum Trees; On What Kind of Soil and Stock?" by J. W. Shaddow, Winchester, Tenn.

"The Best Plan for Packing, Shipping and Handling Trees," by Herbert Chase, Huntsville, Ala.

"What Fertilizers Give the Best Results on Nursery stock and How Applied?" by R. C. Chase, Huntsville, Ala.

"Should Nurserymen Grow More Ornamental Stock, or Attempt to Educate the Customers to Plant Valuable Trees That Will Produce Fruit for Profit?" by L. A. Berckmans, Augusta, Ga.

"Why a Nurseryman Should Be a Good Citizen," by Chas. T. Smith, Concord, Ga.

"Is Inspection of Nursery Stock of Advantage or Disadvantage?" by J. Van Lindley, Pomona, N. C.

"Are the Special State License Laws Now Enforced Constitutional, and Should the Nurserymen Not Have Universal Certificates?" by R. I. Smith, Atlanta, Ga.

"Some Practical Points on How to Prevent Root-knot," by Prof. Hedgecock, St. Louis, Mo.

"Are Nurserymen Planting Too Many Peach Seeds?" by J. C. Hale, Winchester, Tenn.

"A Commercial Pecan Orchard as an Investment," by S. W. Peck, Hartwell, Ga.

Following the reading of the above papers there was a general discussion on many interesting and practical questions.

Officers were elected for the ensuing year, as follows: John A. Young, Greensboro, N. C., president; C. N. Griffin, Jacksonville, Fla., vice-president; C. T. Smith, Concord, Ga., secretary-treasurer. The association decided to hold its next annual convention at Richmond, Va., in August, 1907.

Jacs Smits, Ltd. NAARDEN. (Holland.
GROWERS OF
Rhododendrons. Axaleas, pot grown Shrubs for forcing. Lily of the Valley. Spiræa, Paeonias, Roses. Climbing Plants. good varieties of Conifers and all ornamental stock.
Personal Inspection Cordially Invited.
R. R. Depot, NAARDEN-BUSSUM, near Amsterdam.
Price list free on demand.

J. STAER,
Nurseryman and Seedsman,
WAHROONGA New South Wales. AUSTRALIA.
Collector of Australian and Island Seeds and Plants. Palms. Ferns, Platyceriums, Orchids, Eucalyptus, ornamental trees and shrubs.

PEONIES for Early Fall Planting.
Choice selection of named sorts. Strong plants of three to five eyes. Apply for rates per thousand.

Alba Plena. Blush white guard petals. Lemon tinted center, changing to clear white. Per doz., $2.00; per 100, $12 00.
Beresford. Delicate rose with creamy petaloids. Tipped carmine. Large bloom. Per doz., $2.50; per 100, $15.00.
Delachii. Deep crimson. Late. Per doz., $2 50; per 100, $15.00.
Delicatissima. Blush rose with circle of buff under guard petals. Very large and full to center. Strong, robust habit. Per doz., $4.50.
Eclatante. Cherry rose to center. Full, strong bloom. Early. Per doz., $2.00; per 100, $12 00.
Festiva Alba. Pure waxy white flaked with carmine at center. Large, full flower. Per doz., $3.50; per 100, $25.00.
Festiva Maxima. Snow white, flaked carmine at center. A grand, large bloom and very strong grower. Per doz., $5.00; per 100, $35.00.
Floral Treasure. Clear, brilliant pink. Very double and perfect form. Per doz., $4.50; per 100 $30.00
Globosa. Incurved form. Brilliant rose with salmon center. Strong stem. Per doz., $1.50; per 100, $10.00.
Golden Harvest. The nearest approach to a yellow peony. Blush guard petals. Per doz., $4.50; per 100, $30.00.
Grandiflora Rubra. Extra large, perfect balls of blood red. A massive late variety. Per doz., $4.00; per 100, $20 00.
Humei. Clear solid pink. Late. Per doz., $1.50; per 100, $10.00.
La Tulipe. Blush white. Outer petals flaked red. Distinct and fine. Per doz., $5.00; per 100, $35.00.
Lemoine. Solid color of delicate cream white. Large full bloom. Compact habit. Per doz., $2 50; per 100, $15.00.
Marie Le Moine. Delicate flesh, fading to white. Very full and perfect form. Per doz, $4.00; per 100, $25.00.
Ne Plus Ultra. Solid shade of brilliant rose. A grand full petaled flower. Per doz., $2.00; per 100 $12.00; per 1000, $100.00.
Officinalis Rubra Plena. Deep crimson. Very early Per doz., $1.50; per $8.00; per 1000, $75.00.
Queen Victoria. Guard petals blush white. Flesh tinted center. A grand full flower. Very full and strong. Per doz., $2 50; per 100, $15.00.
Rosamond. Bright clear pink, tipped pale rose. Very large and free. Per doz., $2.50; per 100, $15.00.
Rosea Superba. Guard petals and petaloids bright rose with a circle of salmon pink. Per doz., $2.50; per 100, $15.00.
Rothschild. Guard petals bright rose with rich salmon center. Per doz., $2.00; per 100, $12.00.
Rubra Triumphans. Brilliant deep crimson. A fine contrasting color. Per doz. $2.00; per 100, $12.00.
Somerset. Pale rose with carmine tint and circle of buff. Very full and large. Per doz. $3.00; per 100, $20.00.
Washington. Nearly solid shade of delicate pink. Full bloom. Early. Per doz., $2.50; per 100 $15.00
Whitleyii. Large full white with creamy center. A choice variety. Per doz., $2.50; per 100; $15.00.
Mixed Pink Varieties. Per 100, $8.00; per 1000 $75.00.

PHONE 312. **JAMES KING NURSERY, Elmhurst, Ill.**

TREES AND SHRUBS.

We make especially low prices on **Nursery Stock** to Parks, Cemeteries, etc. Wholesale price-list on application. We carry immense quantities of the finest named varieties of

PEONIES.

PETERSON NURSERY 503 W Peterson Ave CHICAGO, ILL.

Just to hand, fine importation of

Bay Trees, Box Trees

Standards and Pyramids.

Euonymus, Evergreens.

New price list on application.

JULIUS ROEHRS CO. Importers, Rutherford, N. J.

Fruit and Ornamental Trees

Our fall catalogue and price list now ready. Write for it. NO AGENTS. Prices are right.

PEONIES. Evergreens and **Ornamental Trees** of all sizes for planting in parks, avenues and private places. Four carloads shipped to World's Fair.

WILD BROS. NURSERY CO., Sarcoxie, Mo

Please mention the American Florist when writing.

The Storrs & Harrison Co.

PAINESVILLE NURSERIES.

CATALOGUES AND PRICE LISTS FREE ON APPLICATION. . . . . .

PAINESVILLE, OHIO.

Send to **THE MOON Company**

For Your { Trees, Shrubs, Vines and Small Fruits.

Descriptive Illustrated Catalogue Free

THE WM. H. MOON CO., Morrisville, Pa.

Metairie Ridge Nursery Co.

H. PAPWORTH, President.

NEW ORLEANS, LA.

SPECIAL OFFER OF

LATANIA BORBONICA and RUBBER PLANTS.

Grand young stock from 4-inch pots.

Write for prices on large lots.

LARGE TREES.

OAKS and MAPLES.
PINES and HEMLOCKS.

ANDORRA NURSERIES,

Wm. Warner Harper, Prop.

Chestnut Hill, PHILA, PA.

Please mention the American Florist when writing

PEONIES=For Sale.

Between 3,000 and 4,000 Peonies, fine varieties, large plants. Write for prices on the whole lot.

EVA S. WILLIAMS, 99 Water St., BATAVIA, ILL.

Please mention the American Florist when writing.

PEONIES

Queen Victoria (Whitleyii), per 100....$ 9.00
Festiva Maxima, per 100..... 30.00
Fragrans (the bloom producer) per 100. 6.00

For 1000 rates and other varieties, write

GILBERT H. WILD, Sarcoxie, Mo.

Please mention the American Florist when writing.

HYDRANGEAS

For Forcing.

OTAKSA and THOS. HOGG,	with 7 to 12 flowering crowns	$12.00
	with 5 to 6 flowering crowns	9.00
	with 4 flowering crowns	7.00
JAPONICA ROSEA (new),	with 7 to 12 flowering crowns	$20.00
	with 5 to 6 flowering crowns	13.00
	with 4 flowering crowns	10.00

We especially recommend the New Japonica Rosea; color, fine, rich pink about the shade of Gloire de Lorraine Begonia: coloring is even and does not show the white or washed-out shadings sometimes seen in Otaksa: foliage, uniform deep green, and does not streak nor yellow. Has taken medals in Europe, and is a distinct acquisition.

Our plants are grown outdoors in beds and slat-houses; will be taken inside before frost and available for delivery next month, when wanted.

ROSES Field-grown, well-rooted, **especially suitable for forcing.** Write for prices.

Full line of Ornamentals, Shrubs, Shades, Vines, Etc.

JACKSON & PERKINS CO. Wholesale Nurserymen and Florists, NEWARK, Wayne County, NEW YORK

HIBISCUS SYRIACUS MEEHANII

WE now offer to the trade our new hardy variegated leaf Hibiscus Syriacus Meehanii. This plant attracted much attention when exhibited at the American Nurserymen's Convention at We Baden, Ind., and American Florists' Exhibition at Asheville, N. C. Foliage beautifully variegated; never sun-scalds or reverts to the green; flowers single, very large, satiny lavender; blooms during four months; prices on application. Orders booked now.

P. J. BERCKMANS CO., Inc., Fruitland Nurseries AUGUSTA, GA.

PEONIES.

	Per 100	Per 1000
Humei, largest rose pink	$5.00	$40.00
Late Rose, best keeper	8.00	70.00
Mixed Pink, good varieties	3.00	25.00

BATAVIA GREENHOUSES, Batavia, Ill.

PAEONIES.

Over 100 named kinds, including a collection of Japanese varieties, Officinalis, in 4 kinds, besides a selection of favored kinds in all colors, from early to late for cutting in succession. Prices very low for good stock, true to name and description. A grower of over 40 years' experience, **Send for list.**

F. A. BALLER, Bloomington. Ill.

SURPLUS STOCK OF ROSES

1,000 3-inch Beauties, 1,500 3½-inch Chatenay, 400 3½-inch Uncle John. $5.00 per 100; $45.00 per 1000.

Cash with order from unknown parties.

LAMBORN FLORAL CO.

Rosemont Greenhouses. ALLIANCE, OHIO.

ROSES, 2½-Inch STRONG PLANTS.

Crimson Rambler and other varieties.

$2.00 per 100; $15.00 per 1000.

C. M. NIUFFER, SPRINGFIELD, OHIO.

FANCY PEONIES.

100 Varieties. Catalog Free.

C. & M. WILD, R. F. D. No. 1, SARCOXIE, MO.

BURKARD GREB,

ROYAL NURSERIES

Ochsenfurt a. M., Germany.

Cheap Autumn Offer

ROSES.

Very strong, field-grown, bedding and forcing varieties, novelties.

$5.00 per 100. **$45.00** per 1000.

ONLY A1 QUALITY STOCK.

Please mention the American Florist when writing.

D. and C. Roses Are the cheapest because they are the best. We have in stock over 1,000 varieties on own roots including all the New European and American varieties of merit, as well as all the old varieties. All sizes from 2½-inch pots up. We can also offer 40 of the leading and newest varieties of Cannas including Mont Blanc, also miscellaneous lists of Plant and Shrubbery, at prices that will make it worth your while to send us your lists for quotations before buying elsewhere. Send for a copy of Our New Guide to Rose Culture, for 1906, a handsome book of 116 pages. Free for the asking.

The DINGEE & CONARD CO., West Grove, Pa.
stablished 1850. 70 Greenhouses.

Please mention the American Florist when writing.

ROSES

Strong Plants. 2½-in. pots.	100	1000	On Own Roots. 4-in. pots.	100
Cr. Rambler	$2.50	$20	Baby Rambler	$20
Wood, LaFrance	2.50	20	Crimson Rambler	6
Meteor, G. Gate	2.50	20	Charta, Masson	7
Notting	2.50	20	Diesbach Wood	7
Diesbach, Laing	3.00	25	Neyron, Laing	8
Masson, Caprice	3.00	25		

101 best sorts for fall 1906 and spring 1907.

THE LEEDLE FLORAL COMPANY SPRINGFIELD, OHIO.

Please mention the American Florist when writing.

ARAUCARIA EXCELSA.
(Norfolk Island Pine).

We have a large quantity of these popular Christmas plants. All are perfect, well shaped plants, and will give good satisfaction.

Size Pot.	Height.	Whorls.	Each.	Doz.
5-in.	10 in.	3	$0.60	$ 6.00
5-in.	12 to 14 in.	3 to 4	.75	9.00
6-in.	16 in.	4	1.00	12.00
6-in.	18 in.	4	1.25	15.00
7-in.	22 in.	5	1.50	18.00

ARAUCARIA EXCELSA GLAUCA.

Size Pot.	Height.	Whorls.	Each.	Doz.
5-in.	12 in.	3	$1.00	$12.00
6-in.	13 to 15 in.	3 to 4	1.25	15.00
7-in.	18 to 20 in.	4 to 5	1.50	18.00
7-in.	22 to 24 in.	4 to 5	2.00	24.00
9-in.	30 in.	4 to 5	3.00	Fine
9-in.	34 in.	5	4.00	specimens.

ARAUCARIA ROBUSTA COMPACTA.

Size Pot.	Height.	Whorls.	Each.	Doz.
5-in.	10 in.	2	$1.00	$12.00
6-in.	12 in.	2 to 3	1.50	18.00
7-in.	28 in.	5	3.00	Fine
8-in.	32 in.	5 to 6	4.00	specimens.

BABY RAMBLER ROSES.

We have a fine lot now growing in our fields, and offer strong dormant plants for October and November delivery.

	Doz.	100.	1,000.
1st size, selected	$3.00	$25.00	$200.00
2nd size, selected	2.50	20.00	150.00
3rd size, selected	2.00	15.00	120.00

Also have a large stock of pot grown plants in bud and bloom.

	Doz.	100.
3-in. pots	$1.50	$12.00
4-in. pots	3.00	20.00
5-in. pots	5.00	40.00
6-in. pots	6.00	50.00

NEW ROSE ETOILE DE FRANCE. The best red rose for pot sales. 1-year-old dormant plants, per doz., $2.00; pr 100, $15.00.

RICHMOND ROSES.

2½-in. pots, strong	$ 7.00 per 100;	$ 60.00 per 1000
3-in. pots, strong	8.00 per 100;	75.00 per 1000
4-in. pots, strong	12.00 per 100;	100.00 per 1000

KILLARNEY, strong,

2½-in. pots	$ 7.00 per 100;	$ 65.00 per 1000
Strong, 3-in. stock	8.00 per 100;	75.00 per 1000
4-in.	12.00 per 100;	100.00 per 1000

PAEONIES FOR SEPTEMBER PLANTING. We have the best kinds of our own growing, all true to name. Send for complete list.

PERENNIALS FOR FALL PLANTING. Our stock is large and consists of all the best sorts. Send for special list.

Send for our special list of Palms, Ferns and Decorative Plants. We offer good value; saving in express and freight west of Ohio.

14 Barclay St. NEW YORK. **VAUGHAN'S SEED STORE,** 84-86 Randolph St CHICAGO.

GREENHOUSES, WESTERN SPRINGS, ILL.

A Few Good Things You Want.

Cash with Order.

Dracaena Indivisa, 4 and 5-inch, $10.00 and $25.00 per 100.
Asparagus Plumosus, 2-in., $3.00 per 100.
Asparagus Sprengeri, 2-inch $2.50 per 100.
Geraniums, S. A. Nutt, Castellane, John Doyle, Perkins, Poitevine and Double Gen. Grant, La Favorite Mme Saleroi, 2 in. pots, $2.00; 3-in. pots, $4.00 per 100. Rooted cuttings, $1.00 per 100
Rex Begonia, nice plants, 2 and 2½-inch, $5.00 per 100.
Boston Ferns, 5-inch, 30c each.
Pierson Ferns, 5-inch, 50c each.

GEO. M. EMMANS, NEWTON, N. J.

ASPARAGUS

PLUMOSUS NANUS, 2-inch pots, $3.00 e 100 $25.00 per 1000, transplanted from the bench $ 50 per 100; $20.00 per 1000.
SPRENGERI, 2-inch, $3.00 per 100; $25.00 per 1000, from bench, $2.50 per 100; $20.00 per 1000.

WM. CLARK, Colorado Springs, Col.

ASPARAGUS Plumosus Nanus

from flats, $6.00 per 1000 large 3-in. **Plumosus Nanus,** $18.00 per 1000. Cash with order, prepaid. **Sprengeri,** from flats, $6.00 per 1000. The **Royal Palms of Cuba,** $2.00 per 1000.

YALAHA CONSERVATORIES,
YALAHA, LAKE CO., FLA.

DAHLIAS.

Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring.

DAVID HERBERT & SON,
Successors to L. K. Peacock, Inc., ATCO, N. J.

THE CHRYSANTHEMUM MANUAL.

By Elmer D. Smith.

PRICE 25 CENTS.
Cash with order.

American Florist Co.,
324 Dearborn St., CHICAGO.

5,000 PALMS.

SUMMER BARGAINS TO MAKE ROOM.

		Per 100
Lantania Borb.,	2¼-in. pots	$ 4.00
" "	4½-in. pots	25.00
" "	5-in. pots	30.00
Kentia Balmoreana,	3½-in. pots	20.00
" "	4½-in pots	30.00
Boston Ferns,	2½-in. pots	4.00
Farfugium Grande,	3½-in. pots	10.00
" "	5-in. pots	15.00

Field grown **Bouvardias and Carnations** priced on application. Address

NANZ & NEUNER, Louisville, Ky.

LUDVIG MOSBAEK,

ONARGA, ILL.

100,000 Asparagus Pl. Nana and **Sprengeri,** very strong and fine plants, ready for shift, 4-in., $10.00; 3-in., $5.00; 2¼-in., $2.50 per 100. Seedlings, $10.00 per 1000.
10 Acres of Cannas. List mailed and orders booked for fall delivery.
40,000 Ferns, in var.: **Anna Foster, Boston, Piersoni** and **Sword Fern** (Exaltata), very fine, pot grown, ready for shift, 6-inch, $40.00 per 100; $6.00 per doz.; 4-in., $15.00; 3-in., $8.00. **Boston** and **Piersoni,** strong runners $30.00 per 1000.
3,000 Nephrolepis Piersoni Elegantissima, 4-in., $50.00; 3-in., $20.00; 2¼-in., $12.00 per 100.
20,000 Geraniums, stock plants, from field in standard var., $6.00 per 100, $50.00 per 1000. Will also book orders for R. C and 2¼ in. plants.
Palms, Dracaena Indivisa, 3-in., $5.00 per 100. 4-in., $10.00 per 100 **Kentia,** 3-in., $12.00 per 100. **Phoenix Canariensis,** 4-in., $20.00 per 100.
Pansies are working their way to the front once more. Our International Strain, Seedlings, $3.00 per 1000; Seed, per oz., $6.00; ⅛ oz., $1.00; prepaid for cash.
Roses, Brides and Bridesmaids, 3-inch, in fine condition, $5.00 per 100.
Sansevieria Zeylanica var., 4-in., $15.00 per 100 3-in., $8.00 per 100.

Let me send you a sample of my Asparagus and Ferns. They are worth more money to you than to me.

Please mention the American Florist when writing.

ASPARAGUS ROBUSTUS,

$5.00 per 100; $40.00 per 1000.

ASPARAGUS SPRENGERI,
$2.00 per 100; $15.00 per 1000.

ALBERT M. HERR
LANCASTER, PA.

Always mention the American Florist when you order stock.

THE WITTBOLD WATERING SYSTEM.

FOR FIELDS OR GREENHOUSES.

Wittbold's Watering Device in Operation in Cucumber House at the Establishment of W. B. Davis & Co., Aurora, Ill.

"Will be universally used." is what **Geo. Klehm.** one of the oldest rose growers in the vicinity of Chicago, predicts for the **WATERING SYSTEM.**

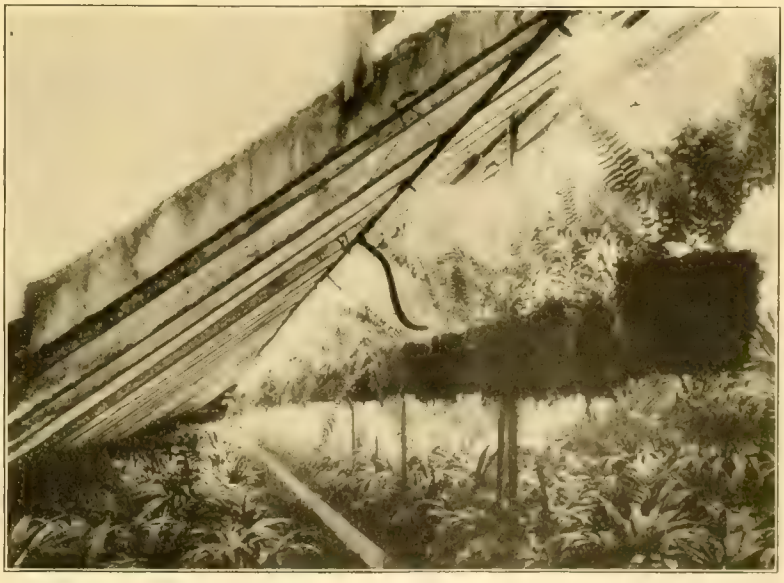
"Saved 90 per cent of my watering labor." is what **W. B. Davis.** of Aurora, Ill., gives as an estimate of the **WITTBOLD WATERING SYSTEM'S** time saving qualities. "I now water my **seven** houses in **one hour,** which formerly required **twelve hours**, and can do better work at that," says Mr. Davis.

IF YOU ARE STILL SKEPTICAL

send for a **Swivel Wheel, $2.00,** with galvanized connections, or **$2.50,** with brass connections, **and six half-inch Nozzles at 50c each.** An investment of **$5.00** will put up a hundred feet of pipe and give it a trial. If only used as an auxiliary to your regular watering it will be the **best investment you ever made. The temperature of your houses** can be kept from **10 to 20 degrees cooler** with a **WITTBOLD SYSTEM** in hot weather.

"The last season I will use a hose," is **Stephen Hyde's** remark. "I grew a crop of lettuce and did not use the hose once, and will equip all my houses another season."

Uncle John Thorpe, one of the best known horticulturists in the country, indorses the **"SYSTEM"** in a recent article on **Mechanical Watering.** and I quote one of his remarks: "Its uses will be so numerous as it gets known, that the system will be appreciated in many ways unthought of now."



This Cut Shows a Row of Boston Ferns being Watered by the Wittbold System. The Same Line of Pipe also Waters Two Benches.

THIS SYSTEM WAS DEVISED FOR GREENHOUSE WORK, but can be used also for outside work with best results. It consists of pipes and tips so arranged that a continuous sheet of water the full length of the house can be supplied to a bench of plants and at the will of the operator can be directed upward from underneath the plants, downward from above the plants or parallel with the bench so that only the soil in the bench is watered. It can also be used for syringing or watering. An entire house can be watered or syringed in only a few minutes. It is a permanent asset after being once installed, as it will never wear out; it is inexpensive and will save its cost in hose and labor in the first six months.

LOUIS WITTBOLD, PATENTEE. 1708 NORTH HALSTED ST., **CHICAGO.**

Annual Report of the Florists' Hail Association of America.

REPORT OF THE SECRETARY.

The 1,416 members of the Florists' Hail Association of America on August 1, 1906, insured glass as follows:

STATES.	Single thick glass.	Double thick glass.	Extra one-half single thick glass.	Extra one-half double thick glass.	Extra whole single thick glass.	Extra whole double thick glass.	Amount paid for losses from Aug. 1st, 1905, to Aug. 1st, 1906.
Ark.	16,285	5,300	.....	.....	2,965	1,400	.....
Col.	434,347	309,820	105,808	49,049	234,635	235,021	$ 444.92
Conn.	7,300	87,907	.....	46,086	.....	3,255	.....
Dela.	66,142	23,407	14,670	4,479	.....	4,200	.....
Ga.	6,048	3,360	.....	.....	.....	.....	.....
Ill.	325,354	2,517,622	102,099	395,318	80,922	439,275	496.73
Ind.	238,594	754,502	36,512	107,881	29,969	128,738	136.88
Iowa	308,468	748,657	16,926	233,875	122,582	182,682	190.22
Kan.	313,329	187,759	37,958	36,147	181,212	114,154	385.09
Ky.	85,246	110,941	1,500	.....	37,816	40,425	.....
La.	48,000	.....	.....	.....	45,000	.....	.....
Maine	7,470	31,221	.....	.....	.....	.....	.....
Md.	118,225	83,662	9,350	.....	8,900	20,750	.....
Mass.	24,356	147,912	1,100	15,000	.....	.....	.....
Mich.	136,923	677,528	4,312	153,432	9,492	87,155	.....
Minn.	106,202	822,317	14,044	19,823	17,645	529,305	206.84
Mo.	687,553	934,919	124,414	58,743	333,640	683,918	722.70
Mont.	100,440	35,670	.....	.....	8,910	8,820	.....
Neb.	287,796	106,762	65,026	500	74,372	26,483	568,23
N. H.	1,500	26,050	600	13,400	.....	.....	.....
N. D.	.....	3,492	.....	1,492	.....	.....	.....
N. J.	50,194	1,089,184	2,500	234,928	.....	20,870	61.01
N. C.	10,680	18,080	.....	.....	.....	.....	.....
N. M.	3,600	22,307	.....	13,734	3,030	8,573	124.74
N. Y.	181,366	583,344	10,212	26,430	12,000	39,450	688,47
Ohio	634,644	1,570,432	56,662	98,158	37,545	391,688	86.16
Okla.	5,435	25,400	2,670	.....	1,265	18,295	68.74
Penn.	526,409	2,171,795	101,890	181,226	79,953	710,194	79.12
R. I.	616	42,197	616	22,985	.....	9,950	.....
S. C.	2,400	8,800	.....	.....	.....	.....	.....
S. D.	32,025	17,974	.....	.....	19,825	2,476	50.40
Tex.	55,246	75,105	.....	.....	6,058	24,787	292.91
Va.	18,635	91,478	.....	.....	1,450	28,003	.....
W. Va.	36,640	10,700	.....	.....	16,360	6,050	.....
Wis.	110,926	303,403	19,214	5,475	11,105	19,050	9.35
Wyo.	1,565	1,240	.....	.....	1,565	.....	.....
Wash.	12,910	.....	.....	.....	.....	.....	.....
D. of C.	1,317	6,671	400	3,888	.....	.....	.....
Can.	6,844	18,947	2,762	.....	3,076	15,947	.....
Total	5,011,030	13,676,665	731,245	1,724,049	1,340,292	3,800,914	$4,612.51

The whole being equivalent to an insurance upon 25,056,546 square feet of glass insured.

The total receipts for the year ending Aug. 1, 1906, as per treasurer's report, have been $18,744.50.

The total expenditure as per treasurer's report has been $8,244.66.

The cash balance at the close of the year is $15,150.49, of which $2,709.92 belongs to the reserve fund for future investment, leaving $12,440.57 on hand for the emergency fund.

The reserve fund now consists of $13,400.00 invested in excellent securities, nearly all of which would command a premium, and $2,709.92 cash, making a total reserve fund on hand Aug. 1, 1906, of $16,109.92.

Sixty-eight losses representing a breakage of 37,321 square feet of single thick glass and 21,046 square feet of double thick glass have been paid during the year. There have been 1,019 losses adjusted since the organization of the association, involving a total expenditure of a little over $101,000.00.

The following table shows losses as reported to the secretary for the past 19 years.

STATES.	No. of hail-storms from June 1, 1887, to Aug. 1, 1906.	No. of losses paid from June 1, 1887, to Aug. 1, 1906.	No. of hail-storms for year ending Aug. 1, 1906.	No. of losses paid for year ending Aug. 1, 1906
California	1	..	..	..
Maine	3	..	..	..
Vermont	3	..	..	..
New Hampshire	7	1	..	..
Rhode Island	3	..	..	..
Connecticut	10	1	..	..
Massachusetts	11	..	1	..
New York	102	17	10	4
New Jersey	64	10	7	1
Pennsylvania	76	54	5	2
Delaware	4	1	1	..
Ohio	71	66	1	2
Indiana	39	33	3	2
Illinois	96	82	2	7
Michigan	20	7	..	..
Wisconsin	33	32	1	1
Minnesota	44	54	6	7
Iowa	84	105	2	5
Missouri	73	137	3	6
Kansas	98	140	14	16
Nebraska	57	13	3	5
Arkansas	2	..	..	..
Colorado	52	87	3	4
North Dakota	6	1	..	..
South Dakota	14	9	1	1
Montana	3	2	..	..
Wyoming	3	4	..	..
Maryland	11	6	..	..
Virginia	5	2	..	..
West Virginia	12	4	..	..
North Carolina	5	1	..	..
Kentucky	16	11	..	..
Georgia	3	..	..	..
Texas	22	17	4	3
Louisiana	3	..	1	..
Tennessee	2	1	..	..
Florida	1	..	..	..
Mississippi	1	..	..	..
Oklahoma Territory	12	7	1	1
Indian Territory	1	..	..	..
District of Columbia	4	..	..	..
Canada	4	4	..	..
New Mexico	6	7	1	1
South Carolina	1	..	..	..

A series of hail storms in central New York, northern New Jersey, eastern Pennsylvania and Delaware, did large damage, but the members of the F. H. A., with two exceptions, were not touched.

The apparent danger last year of an extra assessment did not materialize, and the association commences the new year with a handsome balance both in reserve and emergency funds.

The unadjusted losses at the close of the year will aggregate less than $500.00, which is the only liability of the association.

By addressing the secretary, a duplicate of any adjustment of loss can be obtained, by any member of the association, at any time.

In these days of insurance investigation it might be well to mention that the F. H. A. has never paid a cent for office rent, fuel or light, and that the officials of the association are both ready and willing, at any time, to give an account of their stewardship.

JOHN G. ESLER, Secretary.

REPORT OF THE TREASURER.

RECEIPTS.

Received from Sixteenth Assessment	$14,534.23
Received from Membership fees	1,312.26
Received from New Membership	647.79
Received from Addition Membership	886.16
Received from Extra One-half Assessment	113.66
Received from Extra Whole Assessment	482.01
Received from Re-insurance and Amount refunded by G. Fleischer of Pueblo, Col.	179.70
Received Interest on $500 Chicago, Ill., bond	20.00
Received Interest on $5,000 Milwaukee Bonds	175.00
Received Interest on $1,000 Orville Township Bonds	50.00
Received Interest on $500 U. S. Government Bond	15.00
Received Interest on $1,000 South Bend, Ind., Bond, 6 mos.	22.50
Received Interest on $1,000 Homestead Bond	40.00
Received Interest on $3,400 Lancaster Trust Certificate	136.00
Received Interest on $1,000 Allegheny County Bond, 6 mos.	20.00
Received Interest on Deposits	110.19
	$18,744.50

EXPENSES.

1905.			
Aug.	3.	A. T. De La Mare Co., Printing	$ 5.00
Aug.	3.	Florists Pub. Co., Advertising Annual Report	1.00
Aug.	3.	American Florist Co., Advertising Annual Report	1.00
Aug.	23.	A. T. De La Mare Co., Printing	5.50
Aug.	24.	Horticulture Advertising	7.50
Aug.	26.	Florists' Exchange, Advertising Annual Meeting	1.25
Aug.	28.	American Florist, advertising Annual Report	10.00
Sept.	11.	Horticulture advertising Annual Meeting	1.00
Sept.	23.	A. T. De La Mare Co., Printing	3.25
Sept.	23.	A. T. De La Mare Co., Printing Secretary and Treasurer's Report	38.70
Oct.	6.	N. Y. Stencil Works, two seals	5.75
Nov.	1.	John G. Esler, salary on account	200.00
Nov.	1.	A. T. De La Mare Co., printing notices	15.00
Nov.	1.	A. T. De La Mare Co., printing receipts	3.75
Dec.	1.	A. T. De La Mare Co., printing	3.21
1906.			
Jan.	1.	John G. Esler, postage and expressage	13.75
Jan.	22.	T. H. Wilson & Co., assessment books	51.00
Feb.	1.	John G. Esler, salary on account	200.00
Mar.	3.	John G. Esler, expenses to Colorado (readjustment of losses)	130.95
Mar.	8.	Albert M. Herr, stamped envelopes	36.00
Mar.	10.	A. T. De La Mare Co., printing	9.41
Mar.	15.	John G. Esler, stamps and expressage	35.95
Mar.	15.	Hackensack Republican, printing	14.00
Mar.	29.	A. T. De La Mare Co., printing	4.25
Apr.	13.	Fidelity Casualty Bond	25.00
Apr.	13.	F. J. Faesig, printing	2.75
May	7.	John G. Esler, salary on account	200.00
May	26.	A. T. De La Mare Co., printing	19.75
June	16.	James O. Parish, investigating expenses	25.00
July	7.	The Gardeners Chronicle, advertising	7.50
July	7.	The Florists Publishing Co., advertising	15.00
July	9.	The Florists' Exchange, advertising	15.00
July	16.	Horticulture, advertising	7.50
July	16.	John G. Esler, postage	26.70
July	16.	John G. Esler, expressage	2.15
July	26.	American Florist, advertising	15.00
July	26.	Gardening, advertising	7.50
July	26.	E. G. Hill, salary	187.50
July	26.	Albert M. Herr, salary	500.00
July	26.	John G. Esler, balance of salary	650.00
July	26.	E. G. Hill, postage	6.12
			$2559.65

LOSSES PAID.

1905.			
Aug.	3.	W. J. Palmer, Buffalo, N. Y.	$ 46.15
Aug.	19.	Stella M. Springer, New Hampton, Ia.	15.20
Aug.	19.	O. G. McCormick, Logansport, Ind.	16.34
Aug.	19.	Pratt-Ford Greenhouse Co., Anoka, Minn.	36.91
Aug.	28.	John Tine, Somerville, N. J.	61.01
Aug.	28.	John Wunder, Winona, Minn.	31.53
Aug.	28.	Ed. Kirschner, Winona, Minn.	86.94
Aug.	28.	R. J. Groves, Atchison, Kan.	50.80
Aug.	31.	Anderson Floral Co., St. Cloud, Minn.	11.20
Aug.	31.	Newby & Co., Logansport, Ind.	120.54
Sept.	2.	Nelson Jarrett, Drakemore, Mo.	29.04
Sept.	7.	W. L. Rock Flower Co., Kansas City, Mo.	602.00
Sept.	11.	John S. Morris, Mirriam, Kansas	13.70
Sept.	18.	Templin & Co., Florence, Col.	71.62
Sept.	25.	Joseph Tossini, Sioux Falls, S. D.	50.40
Sept.	25.	C. H. Frey, Lincoln, Neb.	99.30

Annual Report of the Florists' Hail Association of America.---Continued.

Sept. 25.	Dole Floral Co., Beatrice, Neb.	10.60
Oct. 2.	Chapin Bros., Lincoln, Neb.	405.06
Oct. 31.	T. L. Eagle, Coffeeville, Kansas	16.09
Nov. 10.	C. H. Frey, Lincoln, Neb.	44.35
Nov. 18.	Wm. Schick, Wichita, Kansas	22.70
1906.		
Apr. 13.	E. H. R. Green, Terrill, Texas	27.23
May 9.	Will B. Munson, Dennison, Texas	250.00
May 9.	G. A. Kishpaugh, Iola, Kansas	34.72
May 12.	Pliny Hyde, Parsons, Kansas	7.35
May 12.	Okla. Agricultural College, Stillwater, Okla	68.74
May 14.	J. W. Margrave & Co., Hiawatha, Kansas	9.10
May 15.	The Park Floral Co., Denver, Col.	107.80
May 18.	C. C. Wonneman, Mexico, Mo.	43.58
May 18.	Albert Mathews, Kinsman, Ohio	66.04
May 21.	Chas. A. Simonson, McPherson, Kansas	6.25
May 21.	N. S. Kaime, Alcott, Col.	11.70
May 21.	R. M. Nugent, Columbus, Kansas	9.80
May 23.	Andrew Brethaur, Allegheny, Pa.	62.18
May 26.	F. E. Blake, Columbus, Kansas	118.40
May 28.	The Knidler Floral Co., St. Cloud, Minn.	2.55
June 1.	Anderson Floral Co., St. Cloud, Minn.	7.47
June 2.	Mrs. Sarah E. Staton, Columbus, Kansas	9.90
June 8.	R. D. Backus, Iola, Kansas	14.78
June 8.	Mrs. M. P. Church, Roswell, N. M.	124.74
June 11.	Marshall Floral Co., Marshall, Mo.	21.84
June 12.	Hiram Meyers, Wellington, Kansas	39.90
June 16.	E. R. Ripley, Colorado City, Col.	253.80
June 18.	Mrs. Cal. Richardson, Waverly, Ill.	200.88
June 19.	C. H. Meyer, Waterloo, N. Y.	478.80
June 20.	W. H. Niver, Hutchinson, Kansas	4.75
June 20.	Frank H. Oldham, Webb City, Mo.	16.50
June 20.	Herbert M. Hills, Auburn, N. Y.	8.11
June 20.	W. E. Smith, Arkansas City, Kansas	13.20
June 20.	Z. K. Jewett, Sparta, Wis.	9.35
June 23.	M. E. Wright, Pittsburg, Kansas	13.65
June 25.	Dole Floral Co., Beatrice, Nebraska	8.92
June 25.	Edney Smith Est., Waterloo, N. Y.	155.41
July 5.	Souderton Bldg & Loan Association, Silverdale, Pa.	16.94
July 9.	W. J. McCune, Dixon, Ill.	51.31
July 9.	Walter S. Hall, Osage, Iowa	16.36
July 9.	Mrs. Mary E. Eaton, Lyons, Iowa	26.42
July 12.	Nichols Bros., Atlantic, Iowa	77.60
July 12.	Frank Banning, Kinsman, Ohio	20.12
July 16.	Henry Gaethje, Rock Island, Ill.	40.54
July 16.	R. C. Bovey, Dixon, Ill.	81.47
July 16.	G. C. Chapman, Sherman, Texas	15.68
July 18.	W. B. Perry, Cresco, Iowa	54.64
July 19.	N. H. Long & Co., Dixon, Ill.	100.38
July 26.	H. Barsch, Minneapolis, Minn.	30.24
July 26.	Edward Teas, Joplin, Mo.	9.74
July 26.	O. L. Baird, Dixon, Ill.	17.72
		$ 4,612.51

DISBURSEMENTS ON ACCOUNT OF RESERVE FUND.

Oct. 25.	W. W. Harris & Co., Allegheny Co. Bond for $1,000 with interest and premium	$ 1,072.50

RESERVE FUND INVESTMENT.

Certificates of Deposit with The Lancaster Trust Co.	$ 3,400.00
Chicago, Ill., School Bond	500.00
U. S. Government Bond	500.00
Orville Township, N. J., two bonds	1,000.00
City of Milwaukee, Wis., five bonds	5,000.00
South Bend, Ind., Bond	1,000.00
Homestead, Pa., Bond	1,000.00
Allegheny Co., Pa., Bond	1,000.00
	$13,400.00

RECAPITULATION.

To balance on hand Aug. 1, 1905	$ 4,650.65	
Total receipts for year ending Aug. 1, 1906	18,744.50	
	$23,395.15	
By Losses paid for year ending Aug. 1, 1906		4,612.51
By Expenses and Investments		3,632.15
By balance on hand		15,150.49
		$23,395.15

ALBERT M. HERR, Treasurer.

VIOLETS California, Swanley White

Extra fine, bushy field clumps, $5.00 per 100; $45 00 per 1000.

Begonia Rex Best named, 2½-inch and 3-inch, $5.00 per 100.

NATHAN SMITH & SON,
Adrian, Mich.

GOV. HERRICK THE COMING VIOLET

One that produces three times as many flowers as any violet ever offered for sale. It will please you. Order at once. Prices: $2.00 per doz.; $10.00 per 100; $75.00 per 1000; 5,000 or more at $60.00 per 1000. Send for description today.

H. R. CARLTON. Willoughby, O.
INTRODUCER and ORIGINATOR.

Gov. Herrick Violet

We have this stock in No. 1 shape, in 2½-in. pots, all ready for benching, at $10.00 per 100, $80.00 per 1000, as long as they last.

W. A. CALHOUN, 3226 Euclid Ave., EAST CLEVELAND, O

VIOLETS. Prince of Wales, field-grown, strong plants, $5.00 per 100.

HYDRANGEA OTAKSA, true pink variety, fine plants, $10.00 per 100.

MRS. CHAS. W. REIMERS, LOUISVILLE, KY.

ABUNDANCE!

Healthy stock, field-grown plants. 1st size, $12.00 per 100; $100.00 per 1000: 2nd size, $10.00 per 100; $75.00 per 1000; 250 at 1000 rates. Delivery 15th of August. Cash with order.

RUDOLPH FISCHER, GREAT NECK, L. I., N. Y.

AMERICAN FLORIST ADS — Always do business / Week days and every day / Sundays and holidays / All over the country / At home and abroad

GRAFTED ROSES.

Extra Fine Plants, Free from Mildew.

KILLARNEY, 3½-in. pots.....$18.00 per 100
LIBERTY, KAISERIN, MAIDS, WOOTTON, 3½-in. pots, 15.00 per 100

OWN ROOT ROSES.

RICHMOND, PERLES, 3-in. pots.....$8.00 per 100
BRIDES, MAIDS, GOLDEN GATES, KAISERIN, LIBERTY, WOOTTON, 3-in. pots..... 6.00 per 100

SMILAX, Very fine, 2½-in. pots, $1.50 per 100.

J. L. DILLON, Bloomsburg, Pa.

GERANIUMS 2½in. Pots, Ready for Immediate Delivery

Alliance. Lemoine 1905. Hybrid, Ivy and Zonal, semi-double, lilac white, upper petals feathered and blotched crimson maroon. 25c each; $2 00 per doz.

Fleuve Blanc, the semi-double Bruant that promises to become the standard white, flowers and foliage equal to Alph. Riccard, $1.50 per doz.; $10.00 per 100.

Double Dryden, $1.00 per doz.; $5.00 per 100.

Cactus Geraniums, four varieties, petals curled and twisted similar to the Cactus Dahlia, $2.00 per doz.; $15.00 per 100.

S. A Nutt. La Pilote. Beaute Poitevine. Mme. Barney. Centaur. Miss Kendall. Mme. Jaulin. Jean Viaud. Mme. Charotte. 40c per doz.; $2.00 per 100; $18.00 per 100.

Ville Poitiers. Marquise de Castellane. Berthe de Persilly. M. Jolly de Bammeville. Thos. Meehan. 50c per doz; $3.00 per 100; $25.00 per 1000.

Send for Geranium Catalogue. Let us figure on your future supply.

	Per 100	1000
Alternanthera, red and yellow	$2.00	15.00
Hardy English Ivy	2.00	15.00
Smilax	2.00	15.00

DAHLIA ROOTS.

We are booking orders for fall delivery. Send for list.

A cordial invitation is extended to all interested in horticulture to visit us. Cowenton station, Philadelphia division, B. & O. R. R., 12 miles north of Baltimore.

R. VINCENT, JR. & SON, White Marsh, Md.

CARNATIONS

	Per 100
500 Queen Louise, field-grown	$4.00
ASP. PLUMOSUS, 2½-in. pots, Aug. 15	2.00
Plumosus and Sprengeri Seedlings	1.00
PANSY SEED, large, flowering, per oz	4.00

PRIMROSES

	Per 100
Chinese, 2¼-in., ready Aug. 15	$2.00
Obconica Rosea and Alba ready Aug. 15.	2.00
PAPER WHITE NARCISSUS, 13 ctm., Sept.	1.25
CANNAS, 5 var., field-grown	15.00

——CASH PLEASE.——

JOS. H. CUNNINGHAM, Delaware, Ohio.

E. F. WINTERSON CO.

45-47-49 Wabash Ave., CHICAGO.

WHEN returning home from the **S. A. F. and O. H. Convention** you are cordially invited to make **Our Establishment Your Headquarters** while in Chicago. Come in and see how well we are situated to take care of your wants.

We have in the field a lot of **Lady Bountiful** and **Phyllis Carnation Plants.** First-class disbudded stock. If you are interested write at once for price. Supply limited.

We have just received a fine lot of **Narcissus Bulbs,** "Emperss" and "Henry Irving." Also a lot of fine mixed. Also a limited lot of **Candidum Lily Bulbs.** Write for prices.

ALL CUT FLOWERS IN SEASON.

"The Leading Florists' Supply House of the West"

BERTHA RATH

CARNATION.

FERNS, PALMS,

ARAUCARIA EXCEL,

ASPIDISTRA,

Green and Variegated.

BAY TREES and PRIVET,

Fine, Strong Stock.

R. DREYER, WOODSIDE, L. I., N. Y.

CARNATIONS

Fine, Field-Grown Plants.

700 M. A. Patten, 350 Fiancee, 350 Cardinal, 175 Sunbird, 200 Fair Maid, $5.00 per 100.
500 Belle, $6.00 per 100.
675 Prospector (Red Maceo) $4.00 per 100

Stock grown at and shipped from Springfield, Ill.

S. S SKIDELSKY,

824 No. 24th Street, PHILADELPHIA, PA.

CARNATIONS. . . .

Fine, Clean, Low Grown.

Enchantress	$6 00
Prosperity	5.00
Gen. Lord	5.00
Queen Louise	5.00
Estelle	5.00

—CASH—

CENTRAL GREENHOUSES, SANDUSKY, OHIO.

Carnations.

	Per 100	Per 1000
5,000 Enchantress	$5.00	$45.00
5,000 Mrs. Thos. W. Lawson	4.50	35.00

ELI CROSS, Grand Rapids, Mich.

IF YOU CAN'T

MAKE A PROFIT

ON AN ADVERTISEMENT HERE

it is the fault of your business methods.

CARNATIONS.

Strong, Healthy, Field-Grown Plants.

	Per 100	Per 1000		Per 100	Per 1000
Lawson	$5.00	$40.00	Morning Glory	$4.00	$30.00
Nelson	3.00	25.00	Boston Market	4.00	35.00
Guardian Angel	3.00	25.00	Lady Bountiful	6.00	50.00
Nelson Fisher	7.00	60.00	Flora Hill	3.00	25.00
Enchantress	7.00	60.00	Estelle	5.00	40.00
Mrs. Patten	6.00	50.00	Fiancee	7.00	60.00

ROSE PLANTS.

	Per 100	Per 1000		Per 100	Per 1000
Liberty, 3-in	$4.00	$35.00	**Chatenay,** 2½-in	$4.00	$35.00

PETER REINBERG,

51 Wabash Avenue, CHICAGO.

MABELLE,

NEW PINK CARNATION FOR 1907.

COLOR . . . . . A peculiar shade of lovely pink, with a faint yellowish cast; several shades lighter than the Lawson. Unlike most pinks, the brightest sun does not injure the color.

SIZE . . . . . 3 to 4 inches in diameter when established.

ODOR . . . . . Pleasing, but not strong.

STEMS . . . . . Invariably strong, but always graceful, ranging from 12 to 30 inches during the season.

HABIT, ETC. . . . . A very quick, active grower, making specimen plants in a short time, even from late cuttings On account of its rapid growth, requires supporting very soon after benching. Gets away rapidly, blooms early and gives long stems right from the start.

PRODUCTIVENESS Prodigious is the best word we know of to use here. It is the most incessant bloomer, early and late, we have ever grown.

Stock limited. Delivery January 5 to 10 and later.

Price **$12.00** per 100; **$100.00** per 1000.

THE H. WEBER & SONS CO.,

OAKLAND, MD.

WIETOR BROS.

51 and 53 Wabash Avenue,

CHICAGO.

Wholesale Growers of

CUT FLOWERS

Our Specialties:

AMERICAN BEAUTIES.
ROSES.
CARNATIONS.
CHRYSANTHEMUMS.

Carnation Plants:

PINK.	Per 100	Per 1000
FIANCEE	$6.00	
LAWSON	6.00	$50.00
NELSON FISHER	7.00	60.00
GUARDIAN ANGEL	4.00	35.00
MORNING GLORY	4.00	35,00
WHITE.		
LIEUT. PEARY	8.00	75.00

WHITE.	Per 100	Per 1000
FRED. BURKI	$7.00	$60.00
BOSTON MARKET	5.00	45.00
FLORA HILL	5.00	45.00
WHITE CLOUD	5.00	45.00
RED AND CRIMSON.		
CHICAGO	5.00	45.00
HARLOWARDEN	6.00	50.00

850,000 Feet of Glass.

Palms, Ferns, Etc.

WHOLESALE PRICE LIST.

Bouvardia, field-grown, pink and white, ready to plant into bench for winter blooming, $8.00 per 100.

Hydrangea Otaksa, field grown, $1.50 and $2.00 per doz.

	In.	Tiers.	Ea.	Doz.	100
Araucaria Excelsa	4	2 to 3	$0.35	$4.00	
" "	5	3	.75	9.00	
" "	6	3 to 4	1.00	12.00	
Asparagus Plumosus	2				$3.00
" "	3				6.00
Asparagus Sprengeri	2				3.00
" "	3				6.00
" "	4			1.50	
" "	5			2.00	

Asparagus Scandens Deflexus, a beautiful green for wedding and funeral work, 3-in. pots at $1.50 per doz.; 4-in. pots at $2.00 per doz.

Bay Trees, small standards, 12-inch heads, $5.00 per pair.

Bay Trees, pyramids, 5 feet high, $15.00 per pair.

Adiantum Capillus, 5-in., $2.00 per doz.

Boston Ferns, 4-in. pots, $1.50 per doz.; 5-in. pots, $3.00 per doz.; 6-in. pots, $4.20 per doz.; 6-in. pots, strong, $6.00 per doz.; 7-in. pots, $9.00 per doz. Larger specimens, $1.50, $2.00 and $3.00 each.

Scottii Ferns, 10-in. pots, $2.00 each.

Assorted Ferns for dishes, $3.00 per 100; $25.00 per 1000. We have a large lot to offer in best varieties.

Fern Balls, 7 to 9, Dormant or in leaf, $4.20 per doz.

Crytomium Falcatum, fine plants, 35c and 50c each

Dracaena Fragrans, 5-inch pots, 50c each; $5.00 per doz. 6-in. pots, 75c each; $9.00 per doz

Dracaena Indivisa, 2-inch pots, $2.50 per 100; 6-inch pots, 20 to 26 inches high, 50c each; $5.00 per doz.; 7-inch pots, 30 to 34 inches high, 75c each; $9.00 per doz.

Dracaena Massangeana, 8-inch pots, $2.00 each, " " beautiful specimens, 9-inch pots, $3.00 each.

Dracaena Terminalis, 4-inch pots, 25c each; $3.00 per doz.; 5-inch pots, 35c each; $4.20 per doz.

Honeysuckle Vines, 4-inch pots, $8.00 per 100.

Maranta Lietzii, 2¼-in., $1.00 per doz.

Pandanus Veitchii, 7-in., $2.00 ea.; $24 00 per doz.
" **Utiles,** 3-in. ..... per doz., $1.50
" " 4-in. ..... per doz., 3.00
" " 5-in. ..... per doz., 5.00

Areca Lutescens, 5-in., 50c each; $5.00 per doz.

Cocos, for dishes, 2½-inch, $1.50 to $1.75 per doz.

Cocos Bonetti, large specimens, $40.00 each.

	In.	Each	Doz.
Kentia Belmoreana	3		$ 2.00
" "	4		3.60
" "	5	$0.60	7.20
" "	6 xx	1.25	15.00
" "	7	2.50	30.00
Kentia Forsteriana	5	.60	7.20
" "	6	1.25	15.00
" "	7	2 00	24.00

Phoenix Canariensis, 2-in. ..... per doz., 1.00
" " 5-in. ..... per doz., 5.00
" " fine bushy plants, 10-in. pots, $3.00 each. Large specimens, $25.00 to $30.00 each.

Phoenix Reclinata, 3½-in. ..... per doz., $2.00
" " 4-in. ..... per doz., 3.00
" " 6-in., 50c each; per doz., 6.00
" " 7-in., 75c each.

Sansevieria Jav. Var., 4-inch at $2.00 per doz.

Selaginella Denticulata, 3-in., per doz., $1.00.

The Geo. Wittbold Co.

1657 BUCKINGHAM PLACE, CHICAGO.

Please mention the American Florist when writing.

A FEW GOOD THINGS

IN PLANTS.

Boston Ferns, from bench	$15.00 and $20.00 per 100
Scottii Ferns, from bench	15.00 and 20.00 per 100
Dracaena Terminalis, from bench, fine	$20.00, 25.00 and 35.00 per 100
Cyclamen, best strain, mixed, 5-inch	25.00 per 100
Poinsettias, 2½ and 3-inch, fine	5.00 and 6.00 per 100
Asparagus P. N., 2½-inch	2.50 per 100
Asparagus Sprengeri, 2½-inch	2.50 per 100
Begonia G. de Lorraine, 3-inch	25 00 per 100
Hydrangea Otaksa, grand lot, 4-inch	15.00 per 100
American Beauty Plants, 4-inch	5.00 per 100

All plants A No. 1. If not satisfactory, your money back.

CARL HAGENBURGER. West Mentor, Ohio.

FOR SALE

Field-Grown

Carnation Plants.

Fine stock in first and second sizes.

E. T. GRAVE,
RICHMOND, - IND.

GERANIUMS.

ROOTED CUTTINGS.

Orders booked for delivery Nov. 1, and after. I will have fourteen houses planted to stock plants and think I can supply you with the right kind of cuttings.

	Per 100	Per 1000
S. A. Nutt, Perkins, Buchner, Doyle	$1.25	$10.00
Viaud, Jaulin, Poitevine, L. Francis	1.50	12.50
Ricard, Castellane, Trego	1.50	12 50
Peter Hendersou	2.00	15.00
White Poitevine	3.00	25.00

Albert M. Herr,
LANCASTER, PA.

Highland Grown Carnation Plants.

	Per 100	1000		Per 100	1000
Lawson	$5.00	$45.00	Norway	$5.00	
Flora Hill	5.00	45.00	Prosperity	5.00	
Boston M'ket	6.00	50.00	G. Angel	4.50	$40.00
Crusader	7.00		Peru	4.50	40.00
M. Glory	5.00	40.00	Glacier	4.50	40 00

Enchantress, Bountiful and White Lawson ready next month.

CRABB & HUNTER, Grand Rapids, Mich.

Carnations

For Sale. Strong, healthy, field-grown plants

	Per 100	1000		Per 100	1000
Lawson	$5.00	$40.00	Sports	$4.00	30.00
Nelson	4.00	30.00	Ine	4.00	30.00
Enchantress	6.00	55.00	White Cloud	4.00	35.00
Boston M'ket	5 00	40.00	Harlowarden	5.00	45.00
Flora Hill	4.00	30.00	Crusader	6 00	50.00

Sprengeri, extra fine, $4.00 per 100.

SCHEIDEN & SCHOOS,
Asbury and Warren Aves., **Evanston, Ill**

Carnations

We make it a business to grow and sell carnation plants. No surplus stock. All A1 plants.

	Per 100	1000		Per 100	1000
Enchantress	$5.00	$45.00	Harlow'rden	$4.50	$40.00
Nels'n Fisher	5.50	50.00	Flamingo	5 00	45 00
Prosperity	4.50	40.00	Crane	4.50	40.00
Morn. Glory	4.00	35.00	Pink Lawson	4.00	35.00
Glacier	4.00	35.00	Cash with order, please.		

Blanksma Bros., R. F. D. No. 11, **GRAND RAPIDS, MICH**

Lilium Harrisii

FOR XMAS FORCING.

Well ripened and carefully graded bulbs.

5 to 7 Inches,

per 100 ..... **$4.50;** per 1000 ..... **$40.00**

VAUGHAN'S SEED STORE,
84-86 Randolph St., CHICAGO. 14 Barclay St., NEW YORK.

LARGEST STOCK OF ALL

Belgian Plants.

AZALEAS, ARAUCARIAS, SWEET BAYS, PALMS, BEGONIAS, GLOXINIAS, ETC.

Louis Van Houtte Pere,
GHENT, HELGIUM.

CARNATIONS Field plants. Enchantress $6.00 per 100; $50. per 1000. Boston Market, $5. per 100; $40. per 1000. Lawson, $5. per 100; $40. per 1000. Red Lawson, $6 per 100; $50. per 1000.

The J. A. BUDLONG & SON CO., Auburn, R. I

——HEADQUARTERS FOR——

CHOICE PLANTS

English Ivy, Anthericums, Kentias Forsteriana and Belmoreana, Phoenix Canariensis, Araucarias, Bay Trees and Boxwood Pyramids, Asparagus Plumosus, Bird's Nest, Scottii, Elegantissima, Piersoni Boston and Johnsoni Ferns, Cattleya Trianæ, Rubbers, Dracænas Terminalis and Fragrans, Pandanus Veitchii, Gardenia Veitchii, Cycas Revoluta, Cibotium Schiedei, Livistona Sinensis, Areca Lutescens, Crotons, Aspidistras, Lygodium Scandens Primula Obconica, Begonia Rex, Daisies, Fern Balls, Lily of the Valley, Cut Flowers, Leaf Mold, Orchid Peat, etc. Write for prices.

Anton Schultheis 19th St. and 4th Ave., College Point, L.I., N.Y.

Please mention the American Florist when writing.

Directory of Gardeners

—AND—

Estates Employing Gardeners

—IN THE—

UNITED STATES and CANADA.

Price $5, Cash With Order.

AMERICAN FLORIST CO. 324 DEARBORN ST., ... CHICAGO

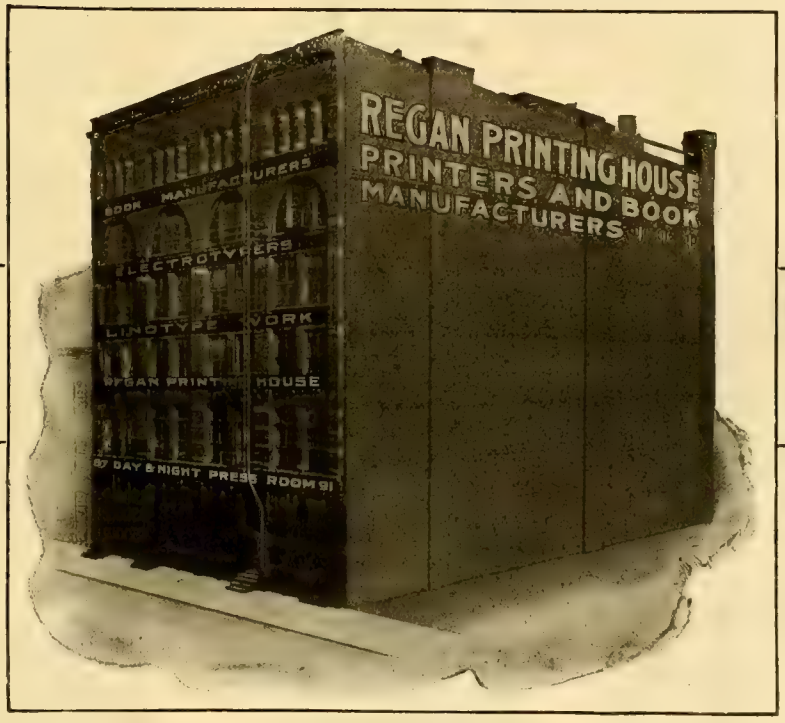
THE

Regan Printing House

87-91 Plymouth Place

Chicago.

Catalogues AND Pamphlets.



Newspapers AND Magazines.

Manufacturers of

SEED CATALOGUES

Also Nurserymen's and Florists' for Spring and Fall.

THE MOST COMPLETE PLANT IN THE COUNTRY FOR THE MANUFACTURE OF ALL KINDS OF BOOKS. UNDER ONE ROOF AND ONE MANAGEMENT.

Give us your copy and we will turn you out the complete work.....

Long Distance Telephone HARRISON 85

SEND FOR ESTIMATES.

The Whilldin Pottery Co.

STANDARD FLOWER POTS

Our output of Flower Pots is larger than any concern in the World
Our Stock is always Large and Complete

Main Office and Factory,

713 WHARTON STREET, PHILADELPHIA

Warehouses: JERSEY CITY, N. J. LONG ISLAND CITY, N. Y.

POT MAKERS FOR 140 YEARS

A. H. HEWS & CO. INC.

CAMBRIDGE, MASS.

FLORIST WARE OF EVERY KIND

CLIPPER LAWN MOWER CO. DIXON ILL.

The Mower that will **kill all the Weeds in your Lawn.** If you keep the weeds cut so they do not go to seed and cut your grass without breaking the small feeders of roots, the grass will become thick and the weeds will disappear.

The Clipper will do it. Ask your dealer for them. If they have not got them, below is the price: No. 1—12-inch Mower, $5; No. 2—15-inch Mower, $6; No. 3—18-inch Mower, $7; No. 4—21-in. Mower, $8. Send draft, money-order or reg. letter.

THE BEST Bug Killer and Bloom Saver.

For **PROOF** Write to

P. R. PALETHORPE COMPANY,

LOUISVILLE, KY.

GEO. KELLER & SON,

MANUFACTURERS OF

FLOWER POTS.

Before buying write for prices.

361-363 Herndon Street, near Wrightwood Ave., CHICAGO, ILL.

THE FUMIGATING KIND TOBACCO

KILLS ALL APHIS IN A NIGHT AT A COST OF 15 CENTS. LET US TELL YOU HOW.

THE H. A. STOOTHOFF CO. 116 WEST ST. NEW YORK

THE KELLER POTTERY COMPANY,

Manufacturers of **FLORISTS' RED STANDARD POTS.**

Azalea Pots, Bulb and Fern Pans, Etc.

Write for Price List. 213-15-17-19-21-23 Pearl St., NORRISTOWN, PA.

IONIA POTTERY COMPANY.

If you know of no reason why you have never used IONIA POTS, this should be a sufficient reason why you should use them now.

We never lose a patron because our ware is not the best. 35 years of skilled experience is represented in the making. Let us have your order. We promise entire satisfaction.

A postal will bring our catalogue.

IONIA POTTERY COMPANY, Ionia, Mich.

STANDARD FLOWER POTS

No Charge for Crates or Packing.

Inches	per 1000	Inches	per 100
1½	$ 2.77	7	$ 4.00
2	3.33	8	6.00
2½	3.88	9	8.88
3	5.27	10	13.33
3½	6.10	12	22.22
4	7.77	14	38.88
4½	10.00	16	66.66
5	13 60	20	each, 1.25
6	22.20		

Azalea Pots and Bulb Pans same as **Standard Pots** 2 and 2½-in Rose Pots, $3.50 per 1000. These pots are **carefully made,** very strong and porous. Liberal count is given, thereby protecting our patrons against possible breakage. **Above prices subject to 10 per cent. discount for cash.**

A. F. KOHR, 1521-23-25 N. Leavitt St., Chicago.

A. HERRMANN,

Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florists' Supplies.

SEND FOR PRICES.

404-412 East 34th St., NEW YORK.

Standard Flower Pots!

Packed in small crates, easy to handle.

	Price per crate		Price per crate
1500 2-in., in crate,	$4 88	120 7-in., in crate,	$4 20
1500 2¼ "	5.25	60 8 "	3.00
1500 2½ "	6.00	HAND MADE.	
1000 3 "	5.00	48 9-in., in crate,	$3.60
800 3½ "	5.80	48 10 "	4.80
500 4 "	4.50	24 11 "	3.60
320 5 "	4 51	24 12 "	4.80
144 6 "	3.16	12 14 "	4.80
		6 16 "	4.50

Seed pans, same price as pots. Send for price list Cylinders for Cut Flowers, Hanging Baskets, Lawn vases, etc. Ten per cent off for cash with order. Address

HILFINGER BROS. POTTERY, Fort Edward, N. Y
or AUGUST ROLKER & SONS, New York Agents, 31 Barclay Street, New York City.

Please mention the American Florist when writing.

THOSE RED POTS

"STANDARDS"

FULL SIZE AND WIDE BOTTOMS. BULB PANS AND AZALEA POTS.

DETROIT FLOWER POT M'F'Y.

HARRY BALSLEY, Rep. DETROIT, MICH. 490 Howard St.

Kramer's Pot Hangers

For Sale by Wholesale Seedsmen, Florists and Supply Dealers.

Price, $1.00 per dozen by express. Sample dozen by mail, $1.25.

I. N. Kramer & Son, CEDAR RAPIDS, IOWA.

Red Standard Flower Pots

Price list and samples on application.

PADUCAH POTTERY CO., Inc.

PADUCAH, KENTUCKY.

Please mention the American Florist when writing.

Wired Toothpicks

PRICE, PER BOX OF 10,000, $1.50.

This quantity in two packages can be sent by mail to distant states for 75 cents.
Box of 50,000, weight 30 pounds, $6.25 F. O. B. Berlin, N. Y.

For Sale by the Leading Supply Dealers.

MANUFACTURED BY

W. J. COWEE, Berlin, N. Y.

Satisfaction Guaranteed
WHEN USING

MOREHEAD RETURN TRAPS

will return condensation to boilers whether located above or below the coils.
An indispensable economy agent to owners of greenhouse steam plants.
Send for catalogue.

MOREHEAD MFG. CO.
1047 Grand River Ave., DETROIT, MICH.

SPRAGUE, SMITH CO.

JOBBERS AND MANUFACTURERS OF

Window Glass.

GREENHOUSE GLASS
A SPECIALTY.

167-169 Randolph St., CHICAGO.

DO NOT KEEP YOUR "I" ON FIRMS

to see them grow, or to see if they are full-grown, but just glance around at the Enterprising Florists' Supply House with everything new for the trade.

J. STERN & CO.
1928 Germantown Ave., PHILADELPHIA, PA.

L. BAUMANN & CO.,

Importers and Manufacturers of
Florist Supplies

76-78 Wabash Ave., CHICAGO.
Write for our New Catalogue F. Our prices may interest you.

WINANDY BROS.

Greenhouse Builders,

3730 N. Lincoln Street, Rogers Park Station, CHICAGO.
Write for our estimates.

The James H. Rice Co.

IMPORTERS and JOBBERS

GREENHOUSE GLASS

A SPECIALTY.

Window Glass, Paint, Putty, etc.

Office and Warehouse: Corner of Michigan, St. Clair and Illinois Streets, CHICAGO.

Now is the Time
to Subscribe to the
Horticultural Trade Journal

Published weekly The Largest Brightest, and Best British Trade Publication. Also

THE INTERNATIONAL EDITION

Published quarterly. Annual subscription for weekly and quarterly numbers, One dollar, (International money order). Subscribe to-day and keep in touch with European markets and topics.

THE HORTICULTURAL PRINTING COMPANY, BURNLEY, ENGLAND.

Please mention the American Florist when writing

Weathered Company,

BUILDERS OF

Iron and Cypress Greenhouses, Greenhouse Heating and Ventilating Apparatus.

P. O. Address. Box 789, NEW YORK CITY.

Please mention the American Florist when writing.

MICE PROOF SEED CASES.

SEND FOR BOOKLET.

HELLER & CO., Montpelier, O.

It is good business policy to mention the *American Florist* .....when writing to an advertiser.

It Reaches
The Buyers.

AMERICAN FLORIST CO.:—

I wish to express my appreciation of THE AMERICAN FLORIST as a trade paper. My sales have far exceeded my most sanguine expectations and of our immense stock only a few thousand remain and they are moving rapidly. We find that nearly every state in the Union has its consignments, with Canada also getting into the procession, many orders being repeated.

W. J. OLDS.

UNION CITY, PA., July 30, 1900.

ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the

"Horticultural Advertiser"

This is the British Trade Paper, being read weekly by all the Horticultural traders; it is also taken by over 1000 of the best continental houses. Annual subscription to cover cost of postage 75c: Money orders payable at Lowdham, Notts.

Address Editors of "H. A."
Chilwell Nurseries, LOWDHAM, Notts, England

Index to Advertisers.

Adv rates....220
Advance Co The....258
Allen J K....231
Amling E C....227
Andorra Nurseries...239
Aschmann Godfrey..223
Atlanta Floral Co...232
Baller F A....239
Barrows Henry & Son229
Barteldes Seed Co...IV
Bassett & Washburn.226
Batavia Greenhouses239
Bauman L & Co....249
Beaven E A....225
Beckert W C....IV
Benthey-Coatsworth Co....227
Berckmans P J Co...239
Berning H G....229
Bertermann Bros Co.232
Blanksma Bros....246
Boddington A T....IV
Brague L B....225
Braslan Seed Co....234
Breitmeyer's J Sons.232
Brown Peter....235
Bruns H N....IV
Buckley W T Co...233
Budlong J A....227 246
Burpee W A & Co...237
Byer Bros....225
Caldwell the Woodsman Co....225
Calhoun W A....243
Carlton H R....243
Carmody J D....258
Central Grhs....244
ChicagoCarnationCo I
Chicago House Wrecking Co....V
Clark Wm....240
Cleveland Cut Flo Co233
Clipper Lawn Mower Co....248
Cochran Mushroom & Spawn Co....IV
Cooke Geo H....232
Cotsonas Geo & Co..231
Cowee W J....249
Crabb & Hunter....246
Craig Robert Co....229
Cross Eli....244
Crowl Fern Co....225
Cunningham Jos H..243
Daniels & Fisher....232
Deamud J B Co....227
Detroit Flo Pot Mfy...248
Dietsch A Co....258
Diller Caskey & Co..V
Dillon J L....233 243
Dillon Mfg Co....258
Dingee & Conard Co..239
Donohoe W H....232
Dorner F & Sons Co I
Dreer H A....250
Dreyer R....244
Dunford J W....233
Edwards Fold'g Box 257
Elliott Wm H....229
Emmans Geo M....240
Eyers H G....232
Fell uris A J....231
Fischer R....243
Fiske H E Seed Co. IV
Florists' Hail As'n242 250
Flower Growers Co. 227
Foley John J....224
Foley Mfg Co....258
Ford Bros....231
For Sale & Rent....221
Froment H E....231
Garland Geo M....V
Giblin & Co....VI
Globe Eng Co....258
Grave E T....246
Greb Burkhart....239
Gude A & Bro....232
Gullett W H & Sons 233
Gundestrup K & Co.235
Gurney Heater Co...VI
Guttman Alex I....231
Hagenburger Carl...246
Hammond's Paint & Slug Shot Works..257
Hansen M A....232
Hart Jas....231
Hauswirth P J....232
Heller & Co....249
Henshaw A M....231
Herbert D & Son....240
Herr Albert M..240 246
Herrmann A....248
Hess E L....235
Hess & Swoboda....232
Hews A H & Co....248
Hilfinger Bros....248
Hill The E G Co.... I
Hippard E.... V
Hitchings & Co.... VI
Holm & Olson....232
Holton & Hunkel Co.229
Hooker H M Co....250
Hort Advertiser....249
Hort Trade Journal..249
Humfeld C....224
Hunt E H....227
Igoe Bros....258
Ionia Pottery Co....248
Jackson & Perkins Co.239
Janesville Floral Co.224
Jensen & Dekema...227
Johnston Heating Co257
Journal des Roses...258
Kasting W F.... I
Keller Geo & Son...248
Keller Pottery Co...248
Kellogg Geo M 232
Kennicott Bros Co..227
Kervan Co The....231
Kessler P....231
King Jas....238
King Construction Co258
Kohr A F....248
Koppelman E L & Co250
Kramer F H....233
Kramer I N & Son..248
Kroeschell Bros Co. 257
Kuehn C A....229
Kuhl Geo A....225
Lager & Hurrell....230
Lamborn Floral Co 239
Lange A....232
Langjahr A H....231
Lecakes N & Co....231
Leedle Floral Co....239
Livingston Seed Co. 232 257
Lockland Lumb'r Co. V
Lord & Burnham Co. VI
McConnell Alex....233
McCullough's J M Sons Co....229
McKellar Chas W...227
McKissick W E.... 229
Mayberry & Hoover 232
Metairie Ridge Nursery Co....239
Metropolitan Mat Co.258
Mich Cut Flower Ex.225
Mills the Florist....232
Moninger J C Co.... V
Moon The Wm H Co.239
Moore Hentz & Nash.231
Morehead Mfg Co...249
Morse C C & Co....237
Mosbaek L.... ...240
Murdoch J B & Co..229
Murray Samuel....232
Nanz & Neuner....240
Natl Flo Bd of Trade.231
N Y Cut Flower Ex.231
Niessen Leo Co....229
Niuffer C M....239
Olbertz J....229
Pacific Seed Co....235
Paducah Pottery....248
Palethorpe P R Co..248
Palmer W J & Son..232
Park Floral Co....232
Pennock S S....229
Pennock S S Meehan Co....III
Perfection Chem Co 259
Peterson's Nurs....239
Pierce F O & Co....258
Pierson F R Co....I 235
Pierson U Bar Co.... V
Pittsburg Cut Flo Co.229
Pittsburg Florist Ex.229
Pollworth C C Co....232
Poehlmann Bros Co 223 227
Quaker City Machine Works....258
Randall A L Co. ...233
Rawson W W & Co..IV
Raynor J I....231
Ready Refer'nce Adv.251
Regan Print House..247
Reimers Mrs Chas W243
Reinberg Peter..227 244
Rice Bros....225
Rice James H Co....249
Rice M & Co....223
Robinson H M & Co.225
Roehrs Julius Co....239
Sander & Son....230
Scheiden & Schoos..246
Schil o Adam....250
Schultheis Anton....246
Schulz Jacob....233
Scott John....225
Seligman Jno....231
Sharp Partridge & Co 257
Sheridan W F....231
Sinner Bros....227
Situations & Wants..221
Skidelsky S S....244
Smith Nathan & Son.243
Smith W & T Co.... I
Smits Jacs....238
Sprague Smith Co...249
Staer J....238
Standard Pump & Engine Co....V I
Stearns Lumber Co.. VI
Stenzel Glass Co....250
Stern J & Co....249
Stokes Seed Store...235
Stoothoff H A & Co.248
Storrs & Harrison Co239
Styer J J....IV
Sunnyside Grhs....233
Syracuse Pottery Co 248
Taylor F G Seed Co IV
Thompson J D Carnation Co.... I
Thorburn J M & Co. IV
Totty Chas H....231
Traendley & Schenck 231
United States Cut Flower o....223
VanHoutte Pere Sons246
Van Meerbeek & Co.237
Vaughan & Sperry...227
Vaughan's Seed Store ...I IV 224 237 240 246
Vick's Sons Jas....IV
Vincent R Jr & Son 243
Virgin U J....232
Waldeck Bros....226
Weathered & Co....249
Weber F C....232
Weber H & Sons233 244
Weeber & Don....IV
Weiland & Risch....227
Welch Bros....229
Whilldin Pot Co.... 248
Wietor Bros....227 245
Wild C & M....239
Wild Gilbert H....239
Wild Bros Nursery Co 239
Williams Eva S....239
Wilson Andrew....257
Wilson Robt G....232
Winandy Bros....249
Winterson E F Co....244
Wittbold Geo Co.227 246
Wittbold Louis....241
Woerner Wm H....257
Wolf A Q & Bro....250
Wood Bros....233
Wrede H....IV
Yalaha Cons'vat'ries 240
Young A L & Co....231
Young Thos....231
Zech & Mann....227
Zirngiebel Augustus.237

The New **WOLF PIPE**
Ventilating MACHINES

Uses all roller bearing hangers, circular cut gear steel arms, furnished for all kinds of houses

A. Q. WOLF & BRO., Dayton, Ohio.

H. M. HOOKER CO.

Window Glass, Paints and Putty. Greenhouse Glass a Specialty.

59 W. Randolph St., CHICAGO.

Please mention the American Florist when writing

STENZEL GLASS CO.,

GREENHOUSE GLASS.

French and American "WHITE ROSE" Brand.

2 Hudson St., NEW YORK.

Please mention the American Florist when writing.

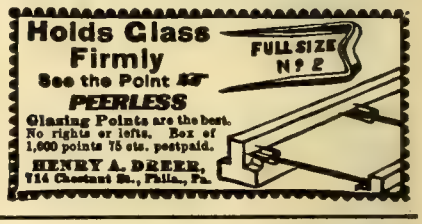
—THE—

Florists' Hail Association

Insures over 23,000,000 square feet of glass, for particulars address

JOHN G. ESLER, Sec'y, SADDLE RIVER, N. J.

Please mention the American Florist when writing.



Tobacco Dust

FOR FUMIGATING.

It would pay large users of dust to communicate with us and get samples and prices.

Edwin L. Koppelman & Co., 81 PINE STREET, NEW YORK.

Please mention the American Florist when writing.

LUMBER for Greenhouse Benches, Ship Lap, Drop Siding, Sheathing, Flooring, White Cedar Posts, Etc.

We are in special position to furnish **"PECKY CYPRESS"** everything in **PINE** and **HEMLOCK BUILDING LUMBER.** WRITE FOR PRICES.

Adam Schillo Lumber Co. Cor. Weed and Hawthorn St., CHICAGO. Tel. North 1626 and 1627.

AMERICAN FLORIST ADVERTISING RATES.

Our advertising rates are 4s 2d per inch, single column width. £6 3s 3d per page of thirty inches, with discounts on consecutive insertions as follows:

6 insertions....5 per cent.	26 insertions....20 per cent.
13 insertions....10 per cent.	52 insertions....30 per cent.

Space on front pages and back cover page is sold only on yearly contract at 4s 2d per inch net. Remit by foreign postoffice money order.

ANZEIGERATEN DES AMERICAN FLORIST.

Unsere Anzeigeraten sind: für den Zoll der einzelnen Spalte, $1.00 (M. 4.17); für die Seite, 30 Zoll, $30 (M. 125). Bei mehrmaligen Einrückungen werden Diskontoraten gewährt, wie folgt:

6 Einrückungen....5%;	26 Einrückungen....20%;
13 Einrückungen....10%;	52 Einrückungen....30%

Raum auf den vorderen Seiten und auf der Rückseite des Umschlages wird nur in Jahreskontrakten und zu $1.00 (M. 4.17) den Zoll netto abgegeben. Zahlungen sind mittels Postanweisung erbeten.

TAUX D'ANNONCES DANS L'AMERICAN FLORIST.

Nos taux d'annonces sont $1.00 (Frs. 5-15) par pouce, largeur simple colonne, $30.00 (Frs. 154-50) par page de trente pouces avec escomptes sur les insertions consécutives, comme suit:

6 insertions....5 pour cent.	26 insertions....20 pour cent.
13 insertions....10 pour cent.	52 insertions....30 pour cent.

La place occupée par des annonces sur la première et la dernière couverture ne s'accorde que par contrat annuel au taux de $1.00 (Frs. 5-15), net, par pouce. Faites remise par Mandat-poste international.

Ready Reference Advertising.

ADVERTISEMENTS IN THIS DEPARTMENT 10 CENTS PER LINE, CASH WITH ORDER. COPY MUST REACH US MONDAY OF THE WEEK IN WHICH IT IS TO APPEAR

ALTERNANTHERAS.

Alternantheras, red and yellow, $2 per 100; $15 per 1,000. R. Vincent, Jr. & Son, White Marsh, Md.

ANTHERICUM.

Anthericums. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

ARAUCARIAS.

Araucaria Excelsa, 5-in., 10 ins., 3 whls., 60c each; $6 per doz. 5-in., 12 to 14 ins., 3 to 4 whls., 75c each; $9 per doz. 6-in., 16 ins., 4 whls., $1 each; $12 per doz. 6-in., 18 ins., 4 whls., $1.25 each; $15 per doz. 7-in., 22 ins., 5 whls., $1.50 each; $18 per doz. Glauca, 5-in., 12 ins., 3 whls., $1 each; $12 per doz. 6-in., 13 to 15 ins., 3 to 4 whls., $1.25 each; $15 per doz. 7-in., 18 to 20 ins., 4 to 5 whls., $1.50 each; $18 per doz. 7-in., 22 to 24 ins., 4 to 5 whls., $2 each; $24 per doz. 9-in., 30 ins., 4 to 5 whls., $3 each. 9-in., 34 ins., 5 whls., $4 each. Robusta Com., 5-in., 10 ins., 2 whls., $1 each; $12 per doz. 6-in., 12 ins., 2 to 3 whls., $1.50 each; $18 per doz. 7-in., 28 ins., 5 whls., $3 each. 8-in. 32 ins., 5 to 6 whls., $4 each. Vaughan's Seed Store, Chicago and New York.

Araucarias, Excelsa, 12 to 14 ins., 5½-in. pots, 3 to 4 trs., 2-yr., 50c; 14 to 16 ins., 5½-in. pots, 3 to 4 trs., 2-yr., 60c; 16 to 18 ins., 5½ to 6-in. pots, 4 to 5 trs., 3-year, 75c; 18 to 20 ins., 6-in. pots, 5 to 6 trs., 4-yr., $1; 20 to 24 ins., 6-in. pots, 5 to 6 trs., 4-yr., $1.25; 36 to 50 ins., Specimen, 7-in. pots, 5 to 6 trs., 6-yr., $2.50 to $3. A. Compacta Robusta, 12 to 20 ins. high, 3 to 4 trs. 20 to 30 ins., 4 to 5-yr., 6 to 7-in., $1.25, $1.50, $1.75, $2 up to $3 each. A. Excelsa Glauca, 6 to 7-in. pots, 3, 4 and 5 trs., 15 to 25 ins., $1.25, $1.50, $1.75, $2, $2.50 each. G. Aschmann, 1012 Ontario St., Philadelphia.

Araucaria Excelsa, 4-in., 2 to 3 trs., 35c each; $4 per doz.; 5-in., 3 trs., 75c each; $9 per doz.; 6-in., 3 to 4 trs., $1 each; $12 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Araucarias. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

Araucaria Excelsa. R. Dreyer, Woodside, L. I., N. Y.

Araucarias. L. Van Houtte Pere, Ghent, Belgium.

ASPARAGUS.

Asparagus plumosus, 2-in., $3 per 100; 3-in., $6. Sprengeri, 2-in., $3 per 100; 3-in., $6; 4-in., $1.25 per doz.; 5-in., $2. Scandens Defi, 3-in., $1.50 per doz.; 4-in., $2 per doz. George Wittbold Co., 1657 Buckingham Pl., Chicago.

Asparagus plumosus nanus, 2¼-in., $2 per 100; seedlings, $1 per 100; $9 per 1,000, or will exchange for some white carnations from field. H. L. Lauscher, Knoxville, Tenn.

Asparagus, 2½-in., plumosus, $3.50 per 100; $30 per 1,000. Sprengeri, $3 per 100; $25 per 1,000; field clumps, $6 per 100. J. W. Dunford, Clayton, Mo.

Asparagus plumosus and Sprengeri, 2-in., $3 per 100; $25 per 1,000; from bench. $2.50 per 100; $20 per 1,000. Wm. Clark, Colorado Springs, Col.

Asparagus plumosus, from flats, $6 per 1,000; 3-in., $18 per 1,000. Sprengeri, from flats, $6 per 1,000. Yalaha Conservatories, Yalaha, Fla.

Asparagus plumosus, 2½-in., $2 per 100. Plumosus and Sprengeri seedlings, $1 per 100. Jos. H. Cunningham, Delaware, O.

Asparagus plumosus and Sprengeri, 4-in., $10; 3-in., $5; 2¼-in., $2.50 per 100. Seedlings, $10 per 1,000. Ludvig Mosbaek, Onarga, Ill.

Asparagus plumosus, 3-in., 6c; 4-in., 10c. G. Aschmann, 1012 Ontario St., Philadelphia.

Asparagus plumosus, 2¼-in., $3 per 100. John Scott, Rutland Rd. and 45th St., Brooklyn, N. Y.

Asparagus plumosus, from 2¼-in., $2 per 100. W. T. Buckley Co., Springfield, Ill.

Asparagus plumosus. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

Asparagus plumosus and Sprengeri, 2-in., 2c. Byer Bros., Chambersburg, Pa.

Asparagus Robustus, $5 per 100; $40 per 1,000. Sprengeri, $2 per 100; $15 per 1,000. A. M. Herr, Lancaster, Pa.

Asparagus Sprengeri plants, just as they come from the flats, $1 per 100; $8 per 1,000 plants; also from 2¼-in. pots, $2 per 100. B. H. Haverland, Pleasant Run, Ohio.

Asparagus Sprengeri, 2-in., $2.20 per 100; $18 per 1,000. Plumosus, 2-in., $2.50 per 100; $22 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Asparagus Sprengeri, 2-in., $20 per 1,000. Plumosus, 2½-in., $30 per 1,000. E. G. Hill Co., Richmond, Ind.

Asparagus Sprengeri, 2-in., $2.50 per 100; plumosus, 2-in., $3 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus, Sprengeri and plumosus, 2½-in. Waldeck Bros., 1218 Oakton St., Evanston, Ill.

ASPIDISTRA.

Aspidistras. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

AZALEAS.

Azaleas. L. Van Houtte Pere, Ghent, Belgium.

Azaleas, Jacs Smits, Ltd., Naarden, Holland.

BAY TREES.

Bay trees, standards and pyramids. Julius Roehrs Co., Rutherford, N. J.

Bay trees. A. Schultheis, 19th and 4th Ave., College Point, L. I., N. Y.

Bay trees, fine stock. R. Dreyer, Woodside, L. I., N. Y.

Bay trees. L. Van Houtte Pere, Ghent, Belgium.

BEGONIAS.

Begonia Rex. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

Begonia Rex, 2 and 2½-in., $5 per 100. Geo. M. Emmans, Newton, N. J.

Begonia Rex, 2½ and 3-in., $5 per 100. Nathan Smith & Son, Adrian, Mich.

Begonias, 8 kinds, 2-in., 2½ c. Byer Bros., Chambersburg, Pa.

Begonias, all varieties. Geo. A. Kuhl, Pekin, Ill.

Begonias. L. Van Houtte Pere, Ghent, Belgium.

BOUVARDIAS.

Bouvardias, pink and white, $8 per 100. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Bouvardias, Nanz & Neuner, Louisville, Ky.

BOXWOOD.

Boxwood pyramids. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

BULBS, ROOTS, TUBERS.

Bulbs, Benguet forcing lily (L. Philippinensis), ¾ to 1-in., $45; 1¼ to 1½-in., $55; 1¾-in. and over $100 per 1,000, f. o. b. Manila. Mail samples, prepaid, $2, $3 and $5 per doz. Nagtagan Gardens Co., Manila, P. I.

Bulbs, 60,000 Narcissus Emperor, $12 per 1,000; 150,000 2nd size Princeps Max., $3.75 per 1,000. Poat Bros., Bulb Growers, Petersburg, Va.

Bulbs, Callas, 1¼ to 1½ in., $5 per 100; $45 per 1,000; 1½ to 2 in., $7 per 100; $65 per 1,000, Roman Hyacinths, Paper Whites and freesias. Vaughan's Seed Store, Chicago and New York.

Bulbs, Narcissus Paper White Grand., 13 cm. and up, 1,250 to case, $11.25 per case; $1 per 100. White Roman hyacinths, 12 to 15 cm., 1,800 to case, $2.50 per 100; $23 per 1,000. Freesia Refracta alba, ½-in. up, $7.50 per 1,000. Bermuda Buttercup Oxalis, $1 per 100; $7.50 per 1,000. Lilium Harrisii, 6 to 7 in. bulbs, 335 to case, $13.50 per case; $5 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Bulbs, home-grown freesias, large size, $1 per 100; $7 per 1000; blooming size, 75c per 100; $4.50 per 1,000; small blooming size, 50c per 100; $3.50 per 1,000. Stokes Seed Store, 219 Market St., Philadelphia.

Bulbs, L. Harrisii, R. hyacinths. P. W. narcissus, fresias. Weeber & Don, 114 Chambers St., New York.

Bulbs, hyacinths, tulips, narcissus, crocus, lilies, etc. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs, Narcissus Empress and Henry Irving, Candidum lilies. E. F. Winterson Co., 45 Wabash Ave., Chicago.

Bulbs, tulips, daffodils, iris, gladioli, lilies, montbretia. Van Meerbeek & Co., Hillegom, Holland.

Bulbs, P. W. Narcissus, 13 ctm., $1.25 per 100. Jos. H. Cunningham, Delaware, O.

Bulbs of all kinds. H. E. Fiske Seed Co., 12-13 Faneuil Hall Sq., Boston.

Bulbs of all kinds. Currie Bros. Co., 308 Broadway, Milwaukee, Wis.

Bulbs of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Cannas, 5 vars., field-grown clump, $15 per 100. Jos. H. Cunningham, Delaware, O.

Cannas of all vars. Dingee & Conard Co., West Grove, Pa.

Cannas in var. Ludvig Mosbaek, Onarga, Ill.

Iris, German, mixed vars., $2 per 100. James Vick's Sons, Rochester, N. Y.

Lily of the Valley, finest cold storage pips. H. N. Bruns, 1409-1411 W. Madison St., Chicago.

Lily of the Valley. Jacs Smits, Ltd., Naarden, Holland.

CACTI.

Cacti. All the Mexican varieties are sold by J. Balme & Co., Mexico City, P. O. Box 628. Illustrated and descriptive culture catalogue sent at receipt of 10c in postage stamps. Price list free.

CARNATIONS.

CARNATIONS.

	100	1,000		100	1000
Pink.			White.		
Fiancee	$6		B. Market	$5	$45
Lawson	6	$50	F. Burki	7	60
N. Fisher	7	60	F. Hill	5	45
G. Angel	4	35	W. Cloud	5	45
M. Glory	4	35	Red and Crimson.		
White.			Chicago	$5	$45
L. Peary	8	75	H'warden	6	50

Wietor Bros., 51 Wabash Ave., Chicago.

Carnations, Lawson, B. Market, $5 per 100; $40 per 1,000. Nelson F. Hill, Sports, Ine, $4 per 100; $30 per 1,000. Enchantress, $6 per 100; $55 per 1,000. W. Cloud, $4 per 100; $35 per 1,000. Harlowarden, $5 per 100; $45 per 1,000. Crusader, $6 per 100; $50 per 1,000. Scheiden & Schoos, Asbury and Warren, Evanston, Ill.

Carnations, field-grown, Lawson, Wolcott, B. Market, short stocky plants, twice pinched. No stem rot; will ship well. $5 per 100; $45 per 1,000. Henry F. Piggott, 2311 Pearl St., Cleveland, O.

If you do not find what you need in our Ready Reference Department, write us about it.

Carnations, field-grown, Lawson, Estelle, $5 per 100; $40 per 1,000. Nelson, F. Hill, G. Angel, $3 per 100; $25 per 1,000. N. Fisher, Enchantress, Fiancee. $7 per 100; $60 per 1,000. Mrs. Patten, Lady Bountiful, $6 per 100; $50 per 1,000. M. Glory, $4 per 100; $30 per 1,000. B. Market, $4 per 100; $35 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

Carnations, field-grown, Lady Bountiful, W. Lawson, Cardinal, Skyrocket, $7 per 100; $60 per 1,000. Enchantress, $7 per 100. Mrs. Lawson, Crusader, $6 per 100; $50 per 1,000. Fair Maid, $6 per 100. Glendale, $12 per 100; $100 per 1,000. Prosperity, Harlowarden, $5 per 100; $40 per 1,000. Chicago Carnation Co., Joliet, Ill.

Carnations, field-grown, Mrs. T. Lawson, $5 per 100; $45 per 1,000. W. Lawson, $6 per 100; $50 per 1,000. Wollcott, Prosperity, The Belle, Red Sport of Maceo, Queen, Patten, Elsie Martin, Harlowarden, Fiancee, $4 per 100; $35 per 1,000. Bountiful, Phyllis, $4 per 100. Poehlmann Bros. Co., Morton Grove, Ill.

Carnations, field-grown, Lady Bountiful, Flamingo, Buttercup, $7 per 100. Enchantress, Cardinal, Lawson, Roosevelt, Queen, M. A. Patten, $6 per 100. Queen Louise, F. Hill, J. H. Manley, Portia, Prosperity, Eldorado, Crocker, Dorothy. $5 per 100. J. L. Dillon, Bloomsburg, Pa.

Carnations, Flamingo, Prosperity, Crane, Wolcott, Harlowarden, Richmond Gem, Estelle, $6 per 100; $50 per 1,000. B. Market, $4.50 per 100; $40 per 1,000. Q. Louise, $4 per 100; $35 per 1,000. Norway, $4 per 100; $30 per 1,000. J. W. Dunford, Clayton, Mo.

Carnations, Enchantress, Flamingo, $5 per 100; $45 per 1,000. N. Fisher, $5.50 per 100; $50 per 1,000. Prosperity, Harlowarden, Crane, $4.50 per 100; $40 per 1,000. M. Glory, Glacier, P. Lawson, $4 per 100; $35 per 1,000. Blanksma Bros., Grand Rapids, Mich.

Carnations, field plants, Pink Patten, large, 12c; Flamingo, medium, 5c; Nelson Fisher, small, 6c; Robert Craig, med., 12c; Victory, med., 12c; Mrs. Lawson, large, 6c; Abundance, small, 8c. Vaughan's Seed Store, Chicago and New York.

Carnations, Lawson. F. Hill, $5 per 100; $45 per 1,000. B. Market, $6 per 100; $50 per 1,000. Crusader, $7 per 100. M. Glory, Norway, Prosperity, $5 per 100; $40 per 1,000. G. Angel, Peru, Glacier, $4.50 per 100; $40 per 1,000. Crabb & Hunter, Grand Rapids, Mich.

Carnations, field-grown, good, healthy stock, high land grown, Lawson, Prosperity, Enchantress, Queen Louise, Boston Market, Lady Bountiful, Joost, Crane, Estelle, Apollo. Thos. Salveson, Petersburg, Ill.

Carnations, field-grown plants, strong, clean stock, ready to ship. Lawson, Enchantress, Queen, Boston Market, Flora Hill, G. Lord, $5 per 100; $45 per 1,000. Cash. Holton & Hunkel, Milwaukee, Wis.

Carnations, field-grown, 125 Lawson, 45 Bountiful, 115 Q. Louise, 19 Mrs. Patten, 50 Boston Market, 95 Glazier, 25 red, name not known, 45 No. 15 pink. John Beimford, Wilton Junction, Iowa.

Carnations, field-grown, Lawson, Wolcott, Estelle, $6 per 100; $55 per 1,000. B. Market, Hill, Norway, Lord, Joost, Lawson, $5 per 100; $45 per 1,000. W. H. Gullett & Sons, Lincoln, Ill.

Carnations, Lawson, Harlowarden, $6 per 100. W. Cloud, Prosperity, Q. Louise, Crocker, Joost, $5 per 100. B. Market, $5.50 per 100. United States Cut Flower Co., Elmira, N. Y.

Carnations, field-grown, No. 1 stocky plants. 800 Lawson. 300 Mrs. Nelson, 1,000 Harlowarden, 1,000 Joost, 500 Norways. $5 per 100. William L. Rock Flower Co., Kansas City, Mo.

Carnations, extra quality field-grown, Queen Louise and Pink Lawson, our specialty. Large, healthy plants, $5 per 100; $45 per 1,000. A. T. Lorch & Co., DeHaven, Pa.

Carnations, field-grown, Patten, Fiancee, Cardinal, Sunbird, Fair Maid, $5 per 100. Belle, $6 per 100. Prospector, $4 per 100. S. S. Skidelsky, 824 N. 24th St., Philadelphia.

Carnations, I have left 100 Enchantress at $5. 150 Pink Lawson, $4 per 100. All good healthy field-grown stock. Cash with order. L. Biermann, Elmhurst, Ill.

Carnations, bushy, field-grown, Enchantress, Q. Louise, Belle, Lawson, Queen, Crisis, packed in moss, $5 per 100. George Roy & Son, Belvidere, N. J.

Carnation plants from field for August delivery; Robert Craig, Mrs. M. A. Patten, Enchantress and Boston Market. J. D. Thompson Carnation Co., Joliet, Ill.

Carnations, Abundance, field-grown, 1st size, $12 per 100; $100 per 1,000; 2nd size, $10 per 100; $75 per 1,000. R. Fischer, Great Neck, L. I., N. Y.

Carnations, B. Market, F. Hill, Q. Louise, Pink Lawson, M. Glory, W. Cloud, Crane, $4 per 100. Sunnyside Greenhouses, Owosso, Mich.

Carnations, Enchantress, $5 per 100; $45 per 1,000. Mrs. T. Lawson, $4.50 per 100; $35 per 1,000. Eli Cross, Grand Rapids, Mich.

Carnations, field-grown, not stunted by the drought. Write for prices on standard and new varieties. A. C. Canfield, Springfield, Ill.

Carnations, Enchantress, Patten and Nelson Fisher the three leaders. Write at once. Isaac A. Passmore, West Chester, Pa.

Carnation Victory, field-grown, 1st size, $15 per 100; 2nd size, $12; 3rd size, $10. Guttman & Weber, 43 W. 28th St., New York.

Carnations, Enchantress, Lawson, Q. Louise, $5 per 100. Pittsburg Florists' Exchange, 228 Diamond St., Pittsburg, Pa.

Carnations, White Cloud, Ine, Sport, F. Hill, $3 per 100; $25 per 1,000. Waldeck Bros., 1218 Oakton St., Evanston, Ill.

Carnations, Enchantress, $6; Prosperity, G. Lord, Q. Louise, Estelle, $5. Central Greenhouses, Sandusky, O.

Carnations, Lady Bountiful and Phyllis. E. F. Winterson Co., 45 Wabash Ave., Chicago.

Carnations, Lawson's mixed, Enchantress, 3c. John J. Foley, 226 Bowery, New York.

Carnation Mabelle, $12 per 100; $100 per 1,000. H. Weber & Sons Co., Oakland, Md.

Carnations, field-grown, standard vars. Leo. Niessen Co., 1217 Arch St., Philadelphia.

Carnations, White Perfection, $12 per 100. F. Dorner & Sons Co., LaFayettte, Ind.

Carnations, Queen Louise, $4 per 100. Jos. H. Cunningham, Delaware, O.

Carnations, field-grown. J. A. Budlong & Son Co., Aubuurn, R. I.

Carnation Bertha Rath. R. Dreyer, Woodside, L. I., N. Y.

Carnations, field-grown. Nanz & Neuner, Louisville, Ky.

Carnations, for fall delivery. Wood Bros., Fishkill, N. Y.

Carnations, field-grown. E. T. Grave, Richmond, Ind.

Carnations, field-grown. H. Weber & Sons Co., Oakland, Md.

CALADIUMS.

Caladiums, fancy leaved. Geo. A. Kuhl, Pekin, Ill.

CHRYSANTHEMUMS.

Chrysanthemums, G. of Pacific, Polly Rose, Soleil d'October, Robinson, Ivory, Appleton, Pink Ivory, $3 per 100. J. Jones, Mrs. Robt. McArthur, Mrs. Coombes, G. Wedding, Yellow Eaton, Monrovia, $4 per 100. Lady Roberts, A. J. Balfour, Wm. H. Chadwick, $6 per per 100. Glenview, $25 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Chrysanthemums. Our 4-in. Nonin, planted now, will make you $1 to $2 worth of bloom each for Christmas. Sure crop and sure money; 4-in., 10c; 2½-in., 5c; R. C., 3c. Special rates per 1,000. Union City Greenhouses, Union City, Pa.

Chrysanthemums, 2-in., $2 per 100; $18 per 1,000. C. Humfeld, Clay Center, Kan.

Chrysanthemums. Time yet to secure a crop of Xmas bloom; also a crop of dollars by planting the queen of late 'mums, Jeanne Nonin. Only a few thousand left of our immense stock, 4-in., 10c; 2½-in., 5c; R. C., 3c, and going fast. W. J. Olds, Union City, Pa.

Chrysanthemums, 5,000 best sort, 2½-in. pot plants. Benj. Connell, West Grove, Pa.

Chrysanthemums, 2½c each. J. J. Foley, 226 Bowery, N. Y.

Chrysanthemum novelties. Chas. H. Totty, Madison, N. J.

Chrysanthemums. Wood Bros., Fishkill, N. Y.

CIBOTIUMS.

Cibotium Schiedei. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

CINERARIAS.

Cinerarias. Geo. A. Kuhl, Pekin, Ill.

COBOEA.

Coboea Scandens, 4-in., $8 per 100. Godfrey Aschmann, 1012 Ontario St., Philadelphia, Pa.

CROTONS.

Crotons. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

CYCLAMENS.

Cyclamen. Geo. A. Kuhl, Pekin, Ill.

DAHLIAS.

Dahlias, Improved Countess of Lonsdale, cactus type, 6 for $1; $1.75 per doz., $12 per 100. Arthur T. Boddington, 342 W. 14th St., New York.

Dahlia roots. R. Vincent, Jr. & Son, White Marsh, Md.

DAISIES.

Daises, white and yellow, $1 per 100; $8 per 1,000. C. Humfeld, Clay Center, Kan.

Daises. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

DEUTZIAS.

Deutzias, in variety. W. & T. Smith Co., Geneva, N. Y.

DRACAENAS.

Dracæna fragrans, 5-in., 50c each; $5 per doz.; D. indivisa, 2-in., $2.50 per 100; 6-in., 20 to 26 ins., 50c each; $5 per doz.; 7-in., 30 to 34 ins., 75c each; $9 per doz. D. Mass., 8-in., $2 each; 9-in., $3 each. D. Ter., 4-in., 25c each; $3 per dozen; 5-in., 35c each; $4.20 per dozen. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Dracæna Terminalis and Fragrans. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

Dracaena indivisa, 4 and 5 in., $10 and $25 per 100. Geo. M. Emmans, Newton, N. J.

Dracæna Ind., 3-in., $5; 4-in., $10. Ludvig Mosbaek, Onarga, Ill.

FARFUGIUMS.

Farfugium Grande, 3½-in., $10 per 100; 5-in., $15 per 100. Nanz & Neuner, Louisville, Ky.

FERNS.

Ferns, prepaid, Boston, 4-in., 18c; 5-in., 30c; 6-in., 45c; 8-in., $1.25; 10-in., $1.75; Pierson fern, 4-in., 20c; 5-in., 35c; 6-in., 50c; 8-in., $1.50; 10-in., $2 each. Anna Foster, same prices as Pierson fern. N. Wittboldi and N. Washingtoniensis, 2½-in., 6c; 3-in., 12c; 4-in., 25c; 6-in., 50c; 8-in., $2 each. N. Barrowsii, 2½-in., 8c; 3-in., 25c; 4-in., 40c; 6-in., 75c; 8-in., $2.50; 10-in., $4 each. N. Whitmani, 2½-in., 25c; 4-in., 60c; 6-in., $1.25 each. N. Elegantissima, 2½-in., 8c each. B. N. Wichers & Co., Gretna, La.

Ferns, Anna Foster, Boston, Piersoni and Sword, 6-in., $40 per 100; $6 per doz. 4-in., $15; 3-in., $8. Elegantissima, 4-in., $50; 3-in., $20; 2¼-in., $12 per 100. Boston and Piersoni runners, $30 per 1,000. Ludvig Mosbaek, Onarga, Ill.

Ferns, Boston, 3 and 3½-in., $10 and $12. W. H. Gullett & Sons, Lincoln, Ill.

If you do not find what you need in our Ready Reference Department, write us about it.

Ferns, Adiantum Capillus, 5-in., $2 per doz. Boston, 4-in., $1.50 per doz.; 5-in., $3; 6-in., $4.20; 6-in., strong, $6; 7-in., $9. Large specimens, $1.50, $2, $3 each. Assorted ferns for dishes, $3 per 100; $25 per 1,000. Scottii, 10-in., $2 each. Fern Balls, 7 to 9 dormant or in leaf, $4.20 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Ferns, N. Barrowsii, 6-in., 50c; 4-in., 25c. Scottii, 6-in., 50c; 5½-in., 40c; 5-in., 35c; 4-in., 20c to 25c. Boston, 4-in., 20c to 25c. Ferns for dishes, 2½-in., $5 per 100; 3-in., 7c. G. Aschmann, 1012 Ontario St., Philadelphia.

Ferns, Boston, true type, fine 3-in. plants ready for shift, $8 per 100. Nephrolepis Cordata Compacta, 6-in., 25c; 5-in., 15c each. Cash from unknown correspondents. James Truitt & Sons, Chanute, Kas.

Ferns, Scottii, small plants from benches, $5 per 100; $50 per 1,000. Plants for 6-in. pots, $25 per 100; plants for 7 and 8-in. pots, $50 per 100. John Scott, Rutland Rd. and 45th St., Brooklyn, N. Y.

Ferns, N. Piersoni Elegantissima, 2¼-in. pots, $12 per 100; specimen plants, 6-in., $1 each; 8-in., $2; 10-in., $3; 12-in., $5; 14-in., $7.50; 16-in., $10. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns, from bench, Boston and Piersoni, 4-in., 10c; 5-in., 12½c. Tarrytown, 3-in., 10c; 4-in., 15c; 5-in., 25c. Scottii, 3-in., 8c; 4-in., 12½c; 5-in., 15c. Byer Bros., Chambersburg, Pa.

Ferns, Bird's Nest, Scottii, Elegantissima, Piersoni, Boston, Johnsoni, Fern balls. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

Ferns, N. Whitmani, 2¼-in., $25 per 100. Boston, 2¼-in., $3 per 100. H. H. Barrows & Sons, Whitman, Mass.

Ferns, Boston, 5-in., 30c each. Piersoni, 6-in., 50c each. Geo. M. Emmans, Newton, N. J.

Ferns, from $2 to $24 per doz. in 2 to 6-in. pots. C. H. Totty, Madison, N. J.

Ferns. Piersoni, Scottii, Barrowsii, Elegantissima. Geo. A. Kuhl, Pekin, Ill.

Ferns, Boston, 2½-in., $4 per 100. Nanz & Neuner, Louisville, Ky.

Ferns, all leading varieties. R. Dreyer, Woodside, L. I., N. Y.

Ferns. J. Staer, Wohroonga, N. S. W., Australia.

FICUS.

Ficus elastica, 6-in., 50c each. G. Aschmann, 1012 Ontario St., Philadelphia.

Rubber plants, from 4-in. pots. Metarie Ridge Nursery Co., New Orleans, La.

Ficus. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

Ficus. Geo. A. Kuhl, Pekin, Ill.

GARDENIAS.

Gardenia Veitchii. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

GERANIUMS.

Geraniums, from 2-in. pots. Alliance, Lemoine 1905, 25c each; $2 per doz. Fleuve Blanc, $1.50 per doz.; $10 per 100. Cactus, 4 vars., $2 per doz.; $15 per 100. Double Dryden, $1 per doz.; $5 per 100. Nutt, Le Pilote, Poitevine, Mme. Barney, Centaure, Kendall, Mme. Jaulin, Viaud, Mmme. Charotte, 40c per doz.; $2 per 100; $18 per 1,000. Ville de Poitiers, M. de Castellane, Berthe de Presilly, M. Jolly de Bammeville, T. Meehan, 50c per doz.; $3 per 100; $25 per 1,000. R. Vincent, Jr. & Son, White Marsh, Md.

Geraniums, S. A. Nutt, Castellane, John Doyle, Perkins, Double Gen. Grant, La Favorite, Poiteville, Mme. Salleroi, 2-in. pots, $2 per 100; 3-in. pots, $4 per 100. R. C., $1 per 100. Geo. M. Emmans, Newton, N. J.

Geraniums, from 2½-in. pots, $1.50 per 100; $14 per 1,000. B. Poitevine, Mrs. E. G. Hill, Nutt, Mme. Buchner, W. T. Buckley Co., Springfield, Ill.

Geraniums, Nutt. Perkins, Buchner, Doyle, $1.25 per 100; $10 per 1,000. Viaud, Jaulin, Poitevine, L. Francis, Ricard, Castellane, Trego, $1.50 per 100; $12.50 per 1,000. Henderson, $2 per 100; $15 per 1,000. White Poitevine, $3 per 100; $25 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, stock plants, standard vars., $6 per 100; $50 per 1,000. Ludvig Mosbaek, Onarga, Ill.

Geraniums, best vars., 2½-in., $2 per 100; $18 per 1,000. C. Humfeld, Clay Center, Kan.

GLOXINIAS.

Gloxinias. L. Van Houtte Pere, Ghent, Belgium.

Gloxinias. Geo. A. Kuhl, Pekin, Ill.

GREENS.

Greens, dagger and fancy ferns, $1 per 1,000. Bronze and green galax, $1 per 1,000; 10,000 lots, $7.50. Bouquet green, per 100 yds., $7. Laurel festooning, 5c and 6c per yd. Laurel wreaths, $3 per doz.; branch laurel, per bunch, 50c. Boxwood, per lb., 20c. Leucothoe sprays, per 100, $1. Green and Spaghnum moss, $1 per barrel. Lyrata (new). H. M. Robinson & Co., 8 Province St., Boston, Mass.

Greens, Bronze Galax, $6.50 per 10,000 lots; 75c per 1,000. Fancy and dagger ferns, 65c per 1,000. Bouquet green, $6 per 100 lbs. Green and Sphagnum Moss, 75c per bbl.; 50c per sack. Laurel festooning, 4c, 5c, 6c per yard. Branch laurel, 35c per bunch. Laurel wreaths, $2.50 per doz. Crowl Fern Co., Millington, Mass.

Greens, new decorative green branches of the Huckleberry tree. New crop hardy ferns, fancy, $1.25 per 1,000; dagger, $1 per 1,000. Caldwell The Woodsman Co., Evergreen, Ala.

Greens, galax, leaves, ferns and leucothoe sprays, holly. Princess pine, all kinds of evergreens. Galax leaves, $1 per 1,000. N. Lecakes & Co., 53 W. 28th St., New York.

Greens, cut palmetto and cycas palm leaves, galax, leucothoe, ferns, mosses and all decorating evergreens. The Kervan Co., 20 W. 27th St., New York.

Greens, hardy cut ferns, Christmas trees, baled spruce, bouquet green, Sphagnum moss, etc. L. B. Brague, Hinsdale, Mass.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 50 W. 28th St., New York.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. A. J. Fellouris, 52 W. 28th St., New York.

Greens, fancy ferns, $1 per 1,000. Galax, $1.25. Michigan Cut Flower Ex., 38 Miami Ave., Detroit, Mich.

Greens, smilax and all southern evergreens. E. A. Beaven, Evergreen, Ala.

Greens, fancy or dagger ferns, 75c Perkins, Newark, N. Y.

HIBISCUS.

Hibiscus Syriacus Meehani. P. J. Berckmans Co., Inc., Augusta, Ga.

HOLLYHOCKS.

Hollyhock, Myosotis, Pansies, all seeds. Hasslach & Roumanille, seed growers, St. Remy de Provence, France.

HONEYSUCKLES.

Honeysuckles, 4-in. pots, $8 per 100. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

HYDRANGEAS.

Hydrangeas, Otaksa and Thos. Hogg, 7 to 12 crowns, $12 per 100; 5 to 6 crowns, $9 per 100; 4 crowns, $7 per 100. Japonica Rosea, 7 to 12 crowns, $20 per 100; 5 to 6 crowns, $13 per 100; 4 crowns, $10 per 100. Jackson & Perkins Co., Newark, N. Y.

Hydrangea Otaksa, field-grown, $1.50 and $2 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Hydrangea Otaksa, $10 per 100. Mrs. C. W. Reimers, Louisville, Ky.

IVY.

Ivy, hardy English, $2 per 100; $15 per 1,000. R. Vincent, Jr. & Son, White Marsh, Md.

Ivy, English. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

JERUSALEM CHERRIES.

Jerusalem Cherries, 2½-in., $5 per 100. G. Aschmann, 1012 Ontario St., Philadelphia.

Jerusalem Cheries, 2½-in., $2 per 100. Byer Bros., Chambersburg, Pa.

MARANTAS.

Maranta Lietzii, 2½-in., $1 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

MUSHROOM SPAWN.

Mushroom Spawn, "Pure Culture" spawn, and importers of English mushroom spawn. Knud Gundestrup & Co., 4273 Milwaukee Ave., Chicago.

Mushroom spawn, Columbia, Alaska, Bohemia. Cochran Mushroom & Spawn Co., 911 Chemical Bldg., St. Louis, Mo.

Mushroom Spawn, superior strains of Pure Culture Spawn. E. L. Hess, 604 La Salle Ave., Chicago.

Mushroom Spawn, English and pure culture. Weeber & Don, 114 Chambers St., New York.

Mushroom Spawn, frequent importations from England. J. J. Styer, Concordville, Pa.

MYRTLE.

Myrtle, creeping, 2¼-in., $2.50 per 100; $20 per 1,000. Ludvig Mosbaek, Onarga, Ill.

NURSERY STOCK.

Nursery stock, hothouse, grape vines, fine, strong 2 and 3 year old canes, Black Hamburg, Muscat, Alexander and other varieties. Rose Hill Nurseries, New Rochelle, N. Y.

Nursery stock, dwarf and standard roses, rododendrons, clematis, conifers, ornamental trees and general nursery stock. Geo. Jackman & Son, Surrey, England.

Nursery stock, shade trees, fruit trees, small fruits, shrubs, clematis, Barberry Thunbergii. W. & T. Smith Co., Geneva, N. Y.

Nursery stock, trees and shrubs. Price list on application. Peterson Nursery, 503 W. Peterson Ave., Chicago.

Nursery stock, evergreen and deciduous flowering shrubs and vines. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, pot-grown shrubs, conifers and ornamental stock. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, large trees, oak, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery Stock, ornamental trees and shrubs, eucalyptus. J. Staer, Wohroonga, N. S. W., Australia.

Nursery stock, ornamentals, shrubs, shades, vines, etc. Jackson & Perkins, Newark, N. Y.

Nursery stock, fruit and ornamental trees, evergreens. Wild Bros. Nursery Co., Sarcoxie, Mo.

Nursery stock, plants and shrubbery of all kinds. Dingee & Conard Co., West Grove, Pa.

ORCHIDS.

Orchids. All the Mexican varieties are sold by J. Balme & Co., Mexico City, P. O. Box 628. Illustrated and descriptive culture catalogue sent on receipt of 10c in postage stamps. Price list free.

Orchids, C. Dowiana, C. gigas, C. Mossiæ, C. Percivaliana, C. speciossissima, C. Eldorado, C. superba, C. labiata, C. Leopoldii. Lager & Hurrell, Summit, N. J.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England; New York office, room 1, 235 Broadway.

Orchids, Cattleya Trianæ, Orchid peat. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

If you do not find what you need in our Ready Reference Department, write us about it.

Orchids. J. Staer, Wohroonga, N. S. W., Australia.

PALMS.

Palms, Areca lutescens, 5-in., 50c each; $5 per doz. Cocos, 2½-in., $1.50 to $1.75 per doz.; C. Bonetti, specimens, $40 each. Kentia Bel., 3-in., $2 per doz.; 4-in., $3.60 per doz.; 5-in., 60c each, $7.20 per doz.; 6-in., xx, $1.25 each, $15 per doz.; 7-in., $2.50 each, $30 per doz; Kentia Fors., 5-in., 60c each, $7.20 per doz; 6-in., $1.25 each, $15 per doz.; 7-in., $2 each, $24 per doz. Phœnix Can., 2-in., $1 per doz.; 5-in. $5 per doz.; 10-in., $3 each; large specimens, $25 to $30 each. Phœnix Recli., 3½-in., $2 per doz.; 4-in., $3 per doz.; 6-in., 50 each, $6 per doz.; 7-in., 75c each. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Palms, Kentia Fors., 6-in. pots, 35 to 40 ins., $1.25; $1.50; 30 to 35 ins., 4-yr., $1; 5½-in., 25 to 30, 3-yr., 75c; 4-in., made-up, 3 plants to pot, 18 to 20 ins., 25c to 30c. K. Bel., 6-in., 5 to 6 leaves, 30 to 35 ins., $1.25; 5½ to 6 ins., 5 to 6 leaves, 75c to $1. K. Fors., 7-in., made-up, 22 to 24 ins., $2 each. Cocos Wed., 15c. Areca Lutescens, made-up, 4-in. pots, 25c. Cycas Revoluta, 6 to 7 in., 7 to 20 leaves, 10c per leaf. G. Aschmann, 1012 Ontario St., Philadelphia.

Palms, Kentia Fors. and Bel., Phœnix Can., Cycas Revoluta, Livistona sinensis, Areca Lutescens. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

Palms, Latania Borb., 2¼-in., $4 per 100; 4½-in., $25 per 100; 5-in., $30 per 100. Kentia Bel., 3½-in., $20 per 100; 4¾-in., $30 per 100. Nanz & Neuner, Louisville, Ky.

Palms, Kentia, 3-in., $12. Phœnix Can., 4-in., $20 per 100. Ludvig Mosbaek, Onarga, Ill.

Palms. Latania Borbonica, from 4-in. pots. Metairie Ridge Nursery Co., New Orleans, La.

Palms. The Royal of Cuba, $2 per 1,000. Yalaha Conservatories, Yalaha, Fla.

Palms of all kinds. R. Dryer, Woodside, L. I., N. Y.

Palms. L. Van Houtte Pere, Ghent, Belgium.

Palms. J. Staer, Wohroonga, N. S. W., Australia.

PANDANUS.

Pandanus Veitchii. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

PANSIES.

Pansy plants, best plants in the market, 50c per 100; $3 per 1,000; transp., $1 per 100. H. L. Lauscher, Knoxville, Tenn.

Pansies, Intern. strain, seedlings, $3 per 1,000. Seed, $6 per oz.; ⅛ oz., $1 prepaid. Ludvig Mosbaek, Onarga, Ill.

PEONIES.

Peonies. We have an exceptional fine lot of peonies which we imported ourselves and are the sorts best suited to grow on for cut flowers. The famous Festiva Maxima being among them. We will close out this entire lot cheap. If interested write for prices immediately. First come, first served. E. F. Winterson Co., 45-47-49 Wabash Ave., Chicago.

Peonies, Humei, $5 per 100; $40 per 1,000. Late Rose, $8 per 100; $70 per 1,000. Mixed pink, $3 per 100; $25 per 1,000. Batavia Greenhouses, Batavia, Ill.

Peonies. Queen Victoria, $9 per 100. Festiva Maxima, $30 per 100; Fragrans, $6 per 100. G. H. Wild, Sarcoxie, Mo.

Peonies a specialty. Peterson Nursery, 503 W. Peterson Ave., Chicago.

Peonies, all vars. Vaughan's Seed Store, Chicago and New York.

Peonies, over 100 named vars. F. A. Baller, Bloomington, Ill.

Peonies, leading vars. Wild Bros. Nursery Co., Sarcoxie, Mo.

Peonies, 100 vars. C. & M. Wild, R. F. D. No. 1, Sarcoxie, Mo.

Peonies, all vars. Jacs Smits, Ltd., Naarden, Holland.

Peonies. Wholesale grower of the best varieties. J. F. Rosenfield, West Point, Neb.

Peonies. W. & T. Smith Co., Geneva, N. Y.

PEPPERS.

Christmas peppers, 3½-in., $4 per 100. J. W. Dunford, Clayton, Mo.

Celestial peppers. Geo. A. Kuhl, Pekin, Ill.

POINSETTIAS.

Poinsettias, 2½-in., $5 per 100. Thos. Salveson, Petersburg, Ill.

PRIMULAS.

Primroses, obconica, fimbriata, alba, rosea, hybrida, $2 per 100. Obconica, dbl., $3 per 100. Mixed, 2-in., 2c. Byer Bros., Chambersburg, Pa.

Primula obconica. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

Primroses, Chinensis, $2 per 100; Obconica alba and rosea, $2 per 100. Jos. H. Cunningham, Delaware, O.

Primrose, Baby, 2½-in. pots, 4c each. The Dingee & Conard Co., West Grove, Pa.

PRIVET.

Privet, California, the best. R. Dreyer, Woodside, L. I., N. Y.

RHODODENDRONS.

Rhododendrons. Jacs Smits, Ltd., Naarden. Holland.

ROSES.

Roses, Baby Rambler, 1st size, $3 per doz.; $25 per 100; $200 per 1,000. 2nd size, $2.50 per doz.; $20 per 100; $150 per 1,000. 3rd size, $2 per doz.; $15 per 100; $120 per 1,000. Pot-grown in bud and bloom, 3-in. pots, $1.50 per doz.; $12 per 100. 4-in., $3 per doz.; $20 per 100. 5-in., $5 per doz.; $40 per 100. 6-in., $6 per doz.; $50 per 100. Etoile de France, 1-yr. dormant, $2 per doz.; $15 per 100. Richmond, 2½-in., $7 per 100; $60 per 1,000; 3-in., $8 per 100; $75 per 1,000; 4-in., $12 per 100; $100 per 1,000. Killarney, 2½-in., $7 per 100; $65 per 1,000; 3-in., $8 per 100; $75 per 1,000; 4-in., $12 per 100; $100 per 1,000. Vaughan's Seed Store, Chicago and New York.

Roses, Richmond, 2¼-in., $5 per 100; $40 per 1,000; 3½-in., $6.50 per 100; $55 per 1,000. Beauty, 3-in., $5 per 100; $40 per 1,000; 3½-in., $6.50 per 100; $55 per 1,000. Bride, Maid, 3½-in., $5 per 100; $45 per 1,000. Chatenay, Uncle John, 2½in., $3.50 per 100; $30 per 1,000; 3½-in., $5 per 100; $45 per 1,000. G. Gate, 2½-in., $3.50 per 100; $30 per 1,000; 3½-in., $4.50 per 100. Kaiserin, 2½-in., $3.50 per 100; $30 per 1,000; Sunrise, 3½-in., $5.50 per 100; $50 per 1,000. Perle, 3½-in., $6 per 100; $55 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Roses, 2½-in. pots, Cr. Rambler, Wood, La France, Meteor, G. Gate, Notting, $2.50 per 100; $20 per 1,000. Diesbach, Masson, Laing, Caprice, $3 per 100; $25 per 1,000. 4-in. pots, own root, Baby Rambler, $20 per 100; Crimson Rambler, $6 per 100; Charta, Masson, Diesbach, Wood, $7 per 100; Neyron, Laing, $8 per 100. Leedle Floral Co., Springfield, O.

Roses, grafted, Killarney, 3½-in. pots, $18 per 100. Liberty, Kaiserin, Maids, Wootton, 3½-in., $15 per 100. Own root, Richmond, Perle, 3-in., $8 per 100. Bride, Maid, G. Gate, Kaiserin, Liberty, Wootton, 3-in., $6 per 100. J. L. Dillon, Bloombsurg, Pa.

Roses, 2½ and 3 in. rose pots. Am. Beauty, Bride, Meteor, G. Gate, Chatenay, Richmond, Maid, Ivory, Perle, Souv. Wootton, Kaiserin. Geo. A. Kuhl, Pekin, Ill.

Roses, Richmond, own root, 3-in., $50 per 1,000. Chatenay, 2½-in., $25 per 1,000. Maid, 3-in., $40 per 1,000; 2½-in., $25 per 1,000. E. G. Hill Co., Richmond, Ind.

Rose, Queen Beatrice, finest forcing pink, to be disseminated spring of 1907. F. H. Kramer, 916 F. St., N. W., Washington, D. C.

Roses, 3-in., Bride, Maid, Chatenay, Kaiserin, $4 per 100; $35 per 1,000; 2½-in., Bride, Maid, $2.50 per 100; $20 per 1,000. W. H. Gullett & Sons, Lincoln, Ill.

Roses, from 2½-in pots, Ivory, G. Gate, Bride, Maid, Chatenay. Mrs. J. W. Crouch, 709 Market St., Chattanooga, Tenn.

Roses, Beauty, 3-in.; Chatenay, 3½-in., U. John, 3½-in., $5 per 100; $45 per 1,000. Lamborn Floral Co., Alliance, O.

Roses, bedding and forcing vars. Burkard Greb Royal Nurseries, Ochsenfurt a. M., Germany.

Roses, Liberty, 3-in., $5 per 100; 2¼-in., $4. Leo Niessen Co., 1217 Arch St., Philadelphia.

Roses, 2½-in., C. Rambler, etc., $2 per $100; $15 per 1,000. C. M. Niuffer, Springfield, O.

Roses, over 1,000 vars. on own roots, all sizes. Dingee & Conard Co., West Grove, Pa.

Roses, Bride, 3-in., $4 per 100; $35 per 1,000. C. Humfeld, Clay Center, Kan.

Roses, field-grown for forcing. W. & T. Smith Co., Geneva, N. Y.

Roses, Bride, Maid, 3-in., $5 per 100. Ludvig Mosbaek, Onarga, Ill.

Roses, climbing plants. Jacs Smits, Ltd., Naarden, Holland.

Roses, from 3-in. pots. Wood Bros., Fishkill, N. Y.

Roses, field-grown. Jackson & Perkins Co., Newark, N. Y.

SANSEVIERIAS.

Sansevieria Zeylanica var., 4-in., $15 per 100; 3-in., $8 per 100. Ludvig Mosbaek, Onarga, Ill.

Sansevieria Jav. Var., 4-in., $2 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

SEEDS.

Seeds, pansy, Vaughan's giant named varieties: Giant White, tr. pkt., 10c; ⅛ oz., 20c; oz., $1.20. Aurora, tr. pkt., 10c; ⅛ oz., 20c; oz., $1.30. Adonis, tr. pkt., 10c; ⅛ oz., 20c; oz., $1.20. Auricula colors, tr. pkt., 10c; ⅛ oz., 20c; oz., $1.25. Black, tr. pkt., 10c; ⅛ oz., 20c; oz., $1.25. Beaconfield, tr. pkt., 10c; ⅛ oz., 20c; oz., $1.20. Freya, tr. pkt., 10c; ⅛ oz., 20c; oz., $1.30. Mme. Perret, tr. pkt., 20c; ⅛ oz., 50c; oz., $2. Pres. Carnot, tr. pkt., 10c; ⅛ oz., 25c; oz., $1.60. Pres. McKinley, tr. pkt., 10c; ⅛ oz., 25c; oz., $2. Pink, tr. pkt., 10c; ⅛ oz., 25c; oz., $2. Purple, tr. pkt., 10c; ⅛ oz., 20c; oz., $1. Violet Blue, tr. pkt., 10c; ⅛ oz., 20c; oz., $1. Striped, tr. pkt., 10c; ⅛ oz, 20c; oz., $1.20. Parisian striped, tr. pkt., 10c; ⅛ oz., 20c; oz., $1.30. Purple King, tr. pkt., 10c; ⅛ oz., 25c; oz., $1.50. Boulogne Giants, tr. pkt., 50c. Giant Diana, tr. pkt., 10c; ⅛ oz., 25c; oz., $1.50. Atrosanguinea, tr. pkt., 10c; ⅛ oz., 25c; oz., $1.50. Emperor William, tr. pkt., 10c; ⅛ oz., 20c; oz., $1.25. Yellow, 4 oz., $4.25; tr. pkt., 10c; ⅛ oz., 20c; oz., $1.25. Cassier, 3 spotted, tr. pkt., 10c; ⅛ oz., 20c; oz., $1.20; 5 spotted, tr. pkt., 25c; ⅛ oz., 45c; oz., $3. Bugnot, tr. pkt., 25c; ⅛ oz., 60c; oz., $4.50. Giant Bridesmaid, tr. pkt., 25c; ⅛ oz., 45c; oz., $2.60. International mixture, oz., $10; ½ oz., $5; ⅛ oz., $1.50; tr. pkt., 50c. Giant mixture, ¼ lb., $14; oz., $4; ⅛ oz., 60c; tr. pkt., 25c. Premium mixture, per pkt., 25c; ⅛ oz., 80c; ½ oz., $3; oz., $5.50. Masterpiece, tr. pkt., 50c; ⅛ oz., 75c; ¼ oz., $1.35; oz., $5; Chicago Parks Bedding, pkt., 10c; ¼ oz., 30c; oz., 75c; 4 ozs., $2.50. Elite mixture, tr. pkt., 50c; ⅛ oz., $1. New Orchid-flowered, tr. pkt., 250 seeds, 25c; ⅛ oz., 70c. Improved German, per large pkt., 10c; ⅛ oz., 20c; ¼ oz., 30c; oz., $1. Cut Flower mixture, tr. pkt., 25c; ¼ oz., 80c; oz., $5.50. Vaughan's Seed Store, Chicago and New York.

Seeds, sweet peas, Earliest White, per pkt., (40 seeds) 25c; 5 pkts., 75c net. ½ size pkts., 15c; 2 pkts., 25c; 10 pkts., 75c. Burpee's Earliest of All, per oz., 10c; ¼ lb., 30c; per lb., $1. W. Atlee Burpee & Co., Philadelphia.

Seeds; prize pansy, tr. pkts., $1; Giant Market, 2,000 seeds; Giant Fancy, 600 seeds. A. Zirngiebel, Needham, Mass.

If you do not find what you need in our Ready Reference Department, write us about it.

Seeds, Asparagus, A. plumosus nanus. Northern greenhouse grown seed, 100 seeds, 60c; 250 seeds, $1.25; 1,000 seeds, $4.50. Southern greenhouse grown, 1,000 seeds, $2.50; 5,000 seeds, $10. A. plumosus robustus, 100 seeds, $1; 1,000 seeds, $9. Decumbens, 100 seeds, 50c; 1,000 seeds, $4. Comorensis, 100 seeds, $1; 1,000 seeds, $7.50. Cash discount 2 per cent. Vaughan's Seed Store, Chicago and New York.

Seeds, California seeds, Cosmos, tall, pink, white or yellow, per lb., $1.50. Nasturtiums, tall, Jupiter of Crœsus, per lb., 40c. Sweet peas, separate colors, per lb., 20c; California Giants, mixed, per lb., 18c. Petunias, Giants of California, ⅛ oz., $3. F. Gilman Taylor Seed Co., Glendale, Cal.

Seeds, L. C. Nungesser, Griesheim near Darmstadt, Germany, exporter and importer. Specialties: Selected grass and clover seeds, alfalfa of Province and Turkestan, free from dodder and cuscuta. Crimson clover.

Seeds, Rawson's Continental, cyclamen, white, pink, red, white with claret base and mixed, 50c per 100 seeds; $4 per 1,000; Salmon pink, $2 per 100 seeds; $15 per 1,000. W. W. Rawson & Co., 5 Union St., Boston.

Seeds, cineraria, large fld., mixed and semi-dwf. mixed, tr. pkt., 50c. Pansy mixed, oz., $4.50; ¼-oz., $1.15; ⅛-oz., 60c. W. C. Beckert, 103 Federal St., Allegheny, Pa.

Seeds, Brown's Giant, prize pansies, mixed, 3,000 seeds, $1; ¼ oz., $1.50; ½ oz., $2.50; 1 oz., $5; ¼ lb., $14; ½ lb., $25; lb., $50. Peter Brown, 124 Ruby St., Lancaster, Pa.

Seeds, all kinds, specialties, onion, carrot, lettuce, sweet peas. Pacific Seed Growers' Co., 109 Market St., San Francisco.

Mexican Plants, Seeds, etc., all the varieties are sold by J. Balme & Co., Mexico City. Orchids and cacti specialties.

Seeds, choice strains, cineraria, calceolaria, cyclamen, pansy, petunia, etc. Jas. Vick's Sons, Rochester, N. Y.

Seeds, Asparagus plumosus, $3.50 per 1,000 seeds. J. M. Thorburn & Co., 33 Barclay st., New York.

Seeds, high-grade grass, clover and tree seeds. Conrad Appel, Est. 1789, Darmstadt, Germany.

Seeds, all kinds of vegetable and flower seeds. C. C. Morse & Co., 171 Clay St., San Francisco, Cal.

Seeds, 5,400 acres of garden seeds in cultivation. Braslan Seed Growers' Co., San Jose, Cal.

Seeds, pansy, 1,000 seeds, mixed, 25c; 1 oz., $2.25. H. Wrede, Luneburg, Germany.

Seed, pansy, large flowering, per oz., $4. Jos. H. Cunningham, Delaware, O.

Seeds, Australian and Island. J. Staer, Wahroonga, N. S. W., Australia.

Seeds of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Seeds of all kinds. Stokes Seed Store, 219 Market St., Philadelphia.

Seeds. H. E. Fiske Seed Co., 12-13 Faneuil Hall Sq., Boston.

Seeds. W. Atlee Burpee Co., Philadelphia, Pa.

SELAGINELLAS.

Selaginella Denticulata, 3-in., $1 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

SMILAX.

1,000 Smilax. 3-in., January serving, fine stocky plants; cut-back, $2.00 per 100. Stover Floral Co., Grandville, Mich.

Smilax, $2 per 100; $15 per 1,000. R. Vincent, Jr. & Son, White Marsh, Md.

Smilax, 2-in., $1.50 per 100; $12.50 per 1,000. C. Humfeld, Clay Center, Kan.

Smilax, 3-in., $4 per 100; 2½-in., $2. W. H. Gullett & Sons, Lincoln, Ill.

Smilax, 2-in. pots, $1 per 100. West End Greenhouses, Lincoln, Ill.

Smilax, $1 per 100; $9 per 1,000. Jos. H. Cunningham, Delaware, O.

Smilax, 2-in., 75c per 100; $7 per 1,000. W. T. Buckley Co., Springfield, Ill.

Smilax, 2½-in. pots, $1.50 per 100. J. L. Dillon, Bloomsburg, Pa.

Smilax. Wood Bros., Fishkill, N. Y.

Smilax. Geo. A. Kuhl, Pekin, Ill.

SNAPDRAGONS.

Snapdragons, 3½-in., $5 per 100; $45 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

SPIREAS.

Spirea Van Houttei. W. & T. Smith Co., Geneva, N. Y.

Spireas. Jacs Smits, Ltd., Naarden, Holland.

VIOLETS.

Violets, Gov. Herrick, new single violet, good keeper; rooted cuttings, $2 per doz.; $10 per 100; $75 per 1,000; 5,000 or more, $60 per 1,000. H. R. Carlton, Willoughby, O.

Violets, Gov. Herrick, 2½-in., $10 per 100; $80 per 1,000. W. A. Calhoun, 3226 Euclid Ave., E. Cleveland, O.

Violets, California, Swanley White, field clump, $5 per 100; $45 per 1,000. Nathan Smith & Son, Adrian, Mich.

Violets, 2,000 Imperial, 2¼-in., $3 per 100; $25 per 1,000. W. F. Kasting, 383 Ellicott St., Buffalo, N. Y.

Violets, Princess of Wales, $5 per 100. Mrs. C. W. Reimers, Louisville, Ky.

Violets, California, 3½-in., $4 per 100. J. W. Dunford, Clayton, Mo.

Violets. Wood Bros., Fishkill, N. Y.

WHOLESALE CUT FLOWERS.

Commission Dealers.

Allen, J. K., 106 W. 28th St., New York.

Amling, E. C., 32-36 Randolph St., Chicago.

Berning, H. G., 1402 Pine St., St. Louis.

Cleveland Cut Flower Co., 215 Huron road, Cleveland, O.

Deamud, J. B., Co., 51 Wabash Ave., Chicago.

Flower Growers' Market, 60 Wabash Ave., Chicago.

Ford Bros., 48 W. 28th St., New York.

Froment, Horace E., 57 W. 28th St., New York.

Guttman, Alex. J., 43 W. 28th St., N. Y.

Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Henshaw, A. M., 52 W. 28th St., New York.

Horan, Edward C., 55 W. 28th., N. Y.

Hunt, E. H., 76 Wabash Ave., Chicago.

Kennicott Bros Co., 40-44 Randolph St., Chicago.

Kessler, Phil. F., 55 W. 26th St., N. Y.

Kuehn, C. A., 1122 Pine St., St. Louis.

Langjahr, Alfred H., 55 W. 28th St., New York.

McCullough's Sons Co., J. M., 316 Walnut St., Cincinnati, O.

McKellar, Chas. W., 51 Wabash Ave., Chicago.

McKissick, W. E., 1221 Filbert St., Philadelphia.

Michigan Cut Flower Exchange, 38-40 Miami Ave., Detroit, Mich.

Murdoch, J. B. & Co., 545 Liberty Ave., Pittsburg, Pa.

N. Y. Cut Flower Ex., Coogan Bldg., 6th Ave. and W. 26th St., New York.

Niessen Co., Leo, 1217 Arch St., Phila.

Pennock, S. S., Philadelphia.

Pittsburg Cut Flower Co., Ltd., 504 Liberty Ave., Pittsburg, Pa.

Pittsburg Florists' Exchange, 217-223 Diamond St., Pittsburg, Pa.

Pollworth, C. C. Co., Milwaukee, Wis.

Randall, A. L. Co., 19 Randolph St., Chicago.

Raynor, John I., 49 W. 28th St., N. Y.

Rice Bros., 128 N. 6th St., Minneapolis, Minn.

Seligman, John, 56 W. 26th St., N. Y.

Sheridan, Walter F., 39 W. 28th St., New York.

Traendley & Schenck, 44 W. 28th St., New York.

Vaughan & Sperry, 58-60 Wabash Ave., Chicago.

Welch Bros., 15 Province St., Boston.

Winterson, E. F. Co., 45-49 Wabash Ave., Chicago.

Young, A. L. & Co., 54 W. 28th St., New York.

Young, Thos., 43 W. 28th St., N. Y.

Zech & Mann, 51 Wabash Ave., Chicago.

Growers.

Bassett & Washburn, 76-78 Wabash Ave., Chicago.

Benthey-Coatsworth Co., The, 35 Randoph St., Chicago.

Bruns, H. N., 1409-1411 W. Madison St., Chicago.

Budlong, J. A., 37-39 Randolph St., Chicago.

Elliott, W. H., Brighton, Mass.

Hill, The E. G. Co., Richmond, Ind.

Jensen & Dekema, 674 W. Foster Ave., Chicago.

Metairie Ridge Nursery Co., New Orleans, La.

Peacock Dahlia Farms, Atco, N. J.

Poehlmann Bros. Co., 35-37 Randolph St., Chicago.

Reinberg, Peter, 51 Wabash Ave., Chicago.

Sinner Bros., 60 Wabash Ave., Chicago.

Weiland & Risch, 59 Wabash Ave., Chicago.

Wietor Bros., 51 Wabash Ave., Chicago.

Wilcox, J. F., Council Bluffs, Iowa.

Wittbold, Geo. Co., 1657 Buckingham Place, Chicago.

RETAIL CUT FLOWERS.

Atlanta Floral Co., 41 Peachtree St., Atlanta, Ga.

Berterman Bros. Co., 241 Massachusetts Ave., Indianapolis, Ind.

Breitmeyer's, John, Sons, cor. Miami and Gratiot Aves., Detroit, Mich.

Cooke, George H., Connecticut Ave. and L St., Washington, D. C.

Daniels & Fisher, Denver, Col.

Donohoe, W. H., 2 W. 29th St., N. Y.

Eyres, H. G., 11 N. Pearl St., Albany, N. Y.

Gude, A. & Bro., 1214 F St., Washington, D. C.

Hansen, Mrs. M. A., Galveston, Tex.

Hauswirth, P. J., Audit. Annex, Chicago.

Hess & Swoboda, 1415 Farnum St., Omaha, Neb.

Holm & Olson, St. Paul, Minn.

Kellogg, Geo. M., 906 Grand Ave., Kansas City, Mo.; also Pleasant Hill, Mo.

Lange, A., 40 E. Madison St., Chicago.

Livingston Seed Co., Columbus, O.

Mayberry & Hoover, 1339 14th St., N. W., Washington, D. C.

McConnell, Alex., 571 Fifth Ave., Windsor Arcade, New York.

Mills The Florist, 36 W. Forsyth St., Jacksonville, Fla.

Murray, Samuel, Coates House Con., 1017 Broadway, Kansas City, Mo.

Park Floral Co., The, Denver, Col.

Palmer's, Buffalo, N. Y.

Schulz, J., 644 4th Ave., Louisville, Ky.

Virgin, Uriah J., 833 Canal St., New Orleans, La.

Weber, Fred C., 4320-28 Olive St., St. Louis, Mo.

Wilcox, J. F., Council Bluffs, Iowa.

Wilson, Robert G., Brooklyn, N. Y.

BOILERS.

Boilers, horizontal, tubular boilers, 10 to 150 H. P. Boiler tubes, 2 to 6 in. Chicago House Wrecking Co., W. 35th and Iron Sts., Chicago.

If you do not find what you need in our Ready Reference Department, write us about it.

Boilers, improved greenhouse boilers, made of best material; shell firebox sheets and heads of steel; water space all around (front, sides and back). Kroeschell Bros. Co., 45 Erie Street, Chicago.

Boilers, Gurney heaters, heat by steam or hot water. Gurner Heater Mfg. Co., 111 5th Ave., New York; 74 Franklin St., Boston.

Boilers, the Burnham boilers, made for greenhouse heating. Lord & Burnham Co., 1133 Broadway, New York.

Boilers, corrugated, fire box and sectional, greenhouse heating. Hitchings & Co., 1170 Broadway, New York.

Boilers, boilers of high grade for greenhouses. Steam and hot water. Giblin & Co., Utica, N. Y.

Boilers, water tube steam boilers. King Construction Co., N. Tonawanda, N. Y.

Boilers, write for prices. Johnston Heating Co., 1133 Broaadway, N. Y.

BOXES.

Cut Flower Boxes, water-proof; corner lock style. No charge for printing on orders above 250 boxes. Livingston Seed Co., Columbus, O.

Cut Flower Boxes; send for prices. Edwards Folding Box Co., Philadelphia, Pa.

BUILDING MATERIAL.

Building material, lumber for greenhouse benches. Ship lap, drop siding, sheathing, flooring, white cedar posts, etc. We are in special position to furnish "Pecky Cypress"; everything in pine and hemlock building lumber. Adam Schillo Lumber Co., cor. Weed and Hawthorne Sts., Chicago.

Building Material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouses and other building material. Men furnished to superintend erection when desired. A. T. Sterns Lumber Co., Neponset, Boston, Mass.

Building Material, cypress sash bars. Tennessee red cedar posts, pecky cypress benches, hotbed sash and frames, ventilating apparatus, pipe, fittings and all supplies needed in new or reconstruction work. Foley Mfg. Co., 471 W. 22d St., Chicago.

Building Material. Our designs embody best features of greenhouse construction. Best grade gulf cypress used. Red cedar posts, iron fittings, hotbed sash. Lockland Lumber Co., Lockland, O.

Building Material, cypress sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 111-125 Blackhawk St., Chicago.

Building Material, hotbed sash, 2,500 3x6 ft. new frames, glazed, $1.80 each. Sash, doors. Chicago House Wrecking Co., W. 35th and Iron Sts., Chicago.

Building Material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 617 Sheffield Ave., Chicago.

Building Material of all descriptions, cold frames, hotbed sash, etc. Lord & Burnham Co., 1133 Broadway, New York.

Building Material for U-Bar greenhouses. Pierson U-Bar Co., Metropolitan Bldg., 4th Ave. and 23d St., N. Y.

Building Material, cold frames, hotbed sash of every description. Hitchings & Co., 1170 Broadway, N. Y.

Greenhouse materials of all kinds for greenhouse heating. Johnston Heating Co., 1133 Broadway, N. Y.

Building Material of all kinds. S. Jacobs & Sons, 1365-79 Flushing Ave., Brooklyn, N. Y

GLASS.

Glass importers and jobbers; greenhouse glass a specialty. Window glass. James H. Rice, corner Michigan, St. Clair and Illinois Sts., Chicago.

Glass, plate and window glass, greenhouse glass a specialty. Sprague-Smith Co., 167-169 Randolph St., Chicago.

Glass, a lot of 16x18 A and B double strength at low price. A. Dietsch Co., 617 Sheffield Ave., Chicago.

Glass, window glass. Greenhouse glass a specialty. H. M. Hooker Co., 50 W. Randolph St., Chicago.

Glass, French and American "White Rose" brand. Stenzil Glass Co., 2 Hudson St., New York.

Glass, all kinds and sizes. Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.

Glass roofing. Chicago House Wrecking Co., W. 35th and Iron Sts., Chicago.

GLAZING POINTS.

Glazing Points, see the point? Holds glass firmly. Peerless glazing points are the best. No rights of lefts. Box of 1,000 points, 75c, postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

GREENHOUSE CONSTRUCTION.

Greenhouse Construction, Eureka greenhouse the best and lowest in price. All houses erected at factory and shipped to purchaser with blue prints, photographs and plain directions so any person can put up. Dillon Greenhouse Mfg. Co., Bloomsburg, Pa.

Greenhouse Construction, builders of greenhouses for private estates, institutions, parks, etc. Pierson U-Bar Co., Metropolitan Bldg., 4th Ave. and 23d St., New York.

Greenhouse Construction, every type of iron frame or wooden construction. Best workmanship, right prices. Weathered Company, 46-48 Marion St., New York.

Greenhouse Construction, sash bar greenhouses. New Truss construction and iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse Construction, builders of every type of greenhouses; the most modern designs. Hitchings & Co., 1170 Broadway, N. Y.

GUTTERS.

Gutters, Garland's gutters will keep snow and ice off your glass. A sample of our gutter is on exhibition at Chicago Flower Growers' Market. Geo. M. Garland, Des Plaines, Ill.

Gutters, Lord & Burnham Improved V-shape gutter, with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

Gutters, new duplex gutter, only drip-proof gutter on the market. E. Hippard, Youngstown, O.

Gutters, Jennings, improved iron gutters. Diller, Caskey & Co., Sixth and Berk Sts., Philadelphia.

INSECTICIDES.

Fumigating Supplies, vaporizing pans for tobacco extracts, improved. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

Fumigating Supplies, tobacco dust for fumigating. Edwin L. Koppelman & Co., 81 Pine St., New York.

Fumigating Supplies, tobacco powder and stems. The H. A. Stoothoff Co., 117 West St., New York.

Insecticide, Nicoticide, Bug Killer, the best bug killer and bloom saver. P. R. Palethorpe Co., Louisville, Ky.

Insecticides, Carman's Antipest insecticide and fungicide, $1.50 per gal. Perfection Chemical Co., Flushing, N. Y.

HOSE.

Hose, garden. Chicago House Wrecking Co., W. 35th and Iron Sts., Chicago.

LAWN MOWERS.

Lawn Mower. The Clipper, lawn mower, No. 1, 12-in., $5; No. 2, 15-in., $6; No. 3, 18-in., $7; No. 4, 21-in., $8. Draft, money order or reg. letter. Clipper Lawn Mower Co., Dixon, Ill.

LEAF MOLD.

Leaf mold. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

MASTICA.

Mastica, for glazing greenhouses. F. O. Pierce Co., 170 Fulton St., New York.

METAL DESIGNS.

Metal signs, send for prices. A. Hermann, 404-12 E. 34th St., New York.

MISCELLANEOUS.

Engravings, best engravings and illustrations of every description for catalogues. Send for estimates. Globe Eng. & Elec. Co., 427 Dearborn St., Chicago.

Printing, large runs of catalogues a specialty. Write for figures. Regan Printing House, 89-91 Plymouth Place, Chicago.

Florists' overdue accounts and bad debts collected by the National Florists' Board of Trade, 56 Pine St., N. Y.

PAINT, PUTTY, ETC.

Paint, Ideal Greenhouse Lead; Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, N. Y.

Paint, Putty, etc. H. M. Hooker Co., 59 W. Randolph St., Chicago.

Paint, Putty, etc. The Jas. H. Rice Co., 80-82 Wabash Ave., Chicago.

Putty, Twemlow's Old English Glazing. Hammond's Paint and Slug Shot Works, Fishkill-on-Hudson, N. Y.

PIPE, FITTINGS, ETC.

Pipe, iron fittings, etc., galvanized iron sash hinges, screw eyes, screw hooks, U bolts, galvanized iron buckles and wires. Fittings for purlin and ridge supports. Foley Mfg. Co., 471 W. 22d St., Chicago.

Pipe, 50 miles of wrought, all sizes 3-8 to 16 in. Plumbing material, valves. Chicago House Wrecking Co., W. 35th and Iron Sts., Chicago.

Iron Fittings, patent iron bench fittings and roof supporters. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

A Bargain, 4-in. cast iron pipes, 5 feet lengths at 12c per foot. C. C. Pollworth Co., Milwaukee.

Iron Fittings, etc.; send for prices. Lockland Lumber Co., Lockland, O.

POTS, PANS, ETC.

Pots, standard flower, 1½ in., $2.77 per 1,000; 2-in., $3.33; 2½-in., $3.88; 3-in., $5.27; 3½-in., $6.10; 4-in., $7.77; 4½-in., $10; 5-in., $13.60; 6-in., $22.20; 7-in., $4 per 100; 8-in., $6; 9-in., $8.88; 10-in., $13.33; 12-in., $22.22; 14-in., $38.88; 16-in., $66.66; 20-in., $1.25 each. Azalea pots and bulb pans same price. 2x2½ in. rose pots, $3.50 per 1,000. A. F. Kohr, 1521 N. Leavitt St., Chicago.

Pots, standard, seed pans, cut flower cylinders, hanging baskets, lawn vases, etc. Hilfinger Bros. Pottery, Ft. Edward, N. Y.

Pots, standard flower pots. The Whildin Pottery Co., Philadelphia, Pa.; Jersey City, N. J.; Long Island City, N. Y.

Pots, before buying write for prices. Geo. Keller & Son, 361-63 Herndon St., near Wrightwood Ave., Chicago.

Pots, red standards, full size and wide bottoms. Detroit Flower Pot Mfy., 490 Howard St., Detroit, Mich.

Pots, pots of all kinds. A. H. Hews & Co., No. Cambridge, Mass.; Long Island City, N. Y.

Pots, red standard, azalea pots. The Keller Pottery Co., 213-223 Pearl St., Norristown, Pa.

RAFFIA.

Raffia, samples free if you mention the American Florist. Large assortment of colors. R. H. Comey Co., Camden, N. J., 810-24 Washburn Ave., Chicago.

SUPPLIES.

Supplies of all kinds. New Tone Ware vases and jardinieres. H. Bayersdorfer & Co., 56 N. Fourth St., Philadelphia.

Supplies, flower baskets, novelties. Riessner Bros., Lichtenfels, Bavaria.

Supplies and ribbons. M. Rice & Co., 1220 Race St., Philadelphia.

Supplies, all kinds. H. E. Fiske Seed Co., 12-13 Faneuil Hall Sq., Boston.

WATERING SYSTEM.

The Wittbold watering system. Send for a swivel wheel $2 and six ½-in. nozzles at 50c each. Try an investment of $5 and put up 100 feet and give it a trial. Louis Wittbold, 1708 N. Halsted St., Chicago.

If you do not find what you need in our Ready Reference Department, write us about it.

TWEMLOW'S
Old English Glazing Putty
SEMI-LIQUID,

For Bedding Glass in Sash or for Filling Cracks or Seams in Roof Joints or Frames of Greenhouses or Hot Beds.

THIS PUTTY

Is used in Machine or Bulb.

If too thick for bulb, thin with a little Pure Linseed Oil, boiled.

So thinned, it can be brushed into any crack or leak, making a solid filling.

THIS PUTTY

Makes a solid bed, impervious to moisture, and holds glass in its place, and will stop any crevice or fault.

When once set on dry wood it does not leave.

Manufactured in the United States only by

HAMMOND'S PAINT & SLUG SHOT WORKS,
FISHKILL-ON-THE-HUDSON, N. Y.

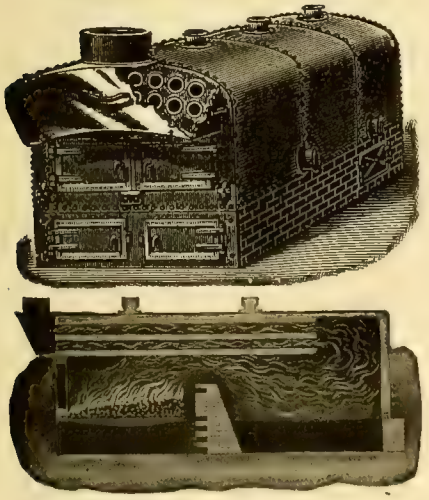
Twemlow's Old English Liquid Glazing Putty

Is sold by

FLORISTS' SUPPLY HOUSES

In New York
Chicago
Philadelphia
Cincinnati
Allegheny
Milwaukee
Detroit, Boston
Providence
Grand Rapids
Richmond
Louisville
New Orleans
Toledo
Cleveland
Buffalo
Baltimore, etc.

KROESCHELL BROS. CO.
IMPROVED
Greenhouse Boiler
45 Erie Street, CHICAGO.



Boilers made of the best of material, shell, fire-box sheets and heads of steel, water space all around (front, sides and back). Write for information.

Please mention the American Florist when writing.

CUT FLOWER BOXES
WATERPROOF Corner Lock Style.

The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always.

Size No.		Per 100	Per 1000
0.	3x 4x20	$2.00	$19.00
1.	3x 4½x16	1.90	17.50
2.	3x 6x18	2.00	19.00
3.	4x 8x18	2.50	23.00
4.	3x 5x24	2.75	26.00
5.	4x 8x22	3.00	28.50
6.	4x 8x28	3.75	36.00
7.	6x16x20	5.50	54.00
8.	3x 7x21	3.00	28.50
9.	5x10x35	6.50	62.00
10.	7x20x20	9.50	67.50
11.	3½x5x30	3.00	28.50

Sample free on application. No charge for printing on orders above 250 boxes. Terms cash.

THE LIVINGSTON SEED COMPANY,
Box 104, COLUMBUS, OHIO.

Please mention the American Florist when writing.

GREENHOUSE HEATING
Complete heating plants erected or materials furnished with working plans.
Write for prices on **BOILERS.**

JOHNSTON HEATING COMPANY,
St. James Building, 1133 Broadway, NEW YORK.

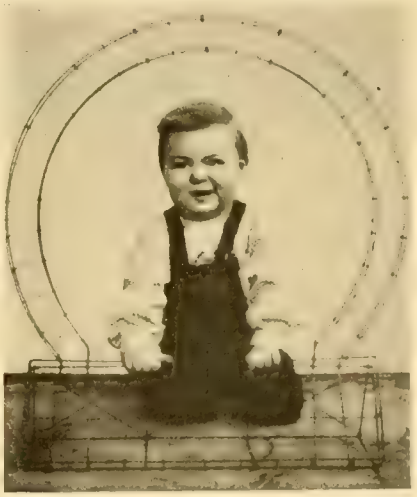
GLASS
GOOD BRANDS.
QUICK SHIPMENTS.
LARGE STOCK.

Warehouse on railroad switch. **Be Sure and Get Our Prices.**

SHARP, PARTRIDGE & CO.,
22nd and Lumber Sts., CHICAGO.

Carman's Antipest
INSECTICIDE AND FUNGICIDE
For the Garden, Orchard and Greenhouse.
Non-poisonous and harmless to vegetation.
Kills Green Fly, Aphides, Bark Lice, Thrip, Mealy Bug, Red Spider, Scale, Wire Worms, Ants and Slugs.
This is the Grower's Friend, handy to use, cheap and effective, mixes readily in water. Destroys all insect pests and keeps down filth. Circulars on application. **$1.50 per gallon.** Also in quarts, half gallons and in bulk.
PERFECTION CHEMICAL CO.,
FLUSHING, N. Y.

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.



WM. H. WOERNER,
Florists' Wire Worker of the West.
Illustrated Catalogue.
1103 N. 18th Street, OMAHA, NEB.

WILSON'S PLANT OIL.
The best Insecticide and Plant Renovator ever introduced. Positively harmless. Put up in cans and bottles. Send for circular, testimonials and trade price.
ANDREW WILSON, 437 Springfield Ave SUMMIT, N. J.

American Florist Ads
Always do business
Week days and every day
Sundays and holidays
All over the country
At home and abroad.

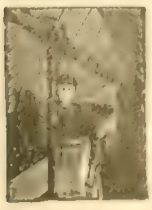
GREENHOUSE MATERIAL
IS THE BEST
WE HAVE LOTS OF IT
SEND FOR SKETCHES
ESTIMATES AND FREE
CATALOGUE
VENTILATING APPARATUS
HOT-BED SASH
FITTINGS &c.
FOLEY MFG. CO.
471 W. 22ND ST.
CHICAGO

If you are having delay in getting your roof material, send your orders TO US and don't be in trouble. We will handle any order in the time agreed. Try us.

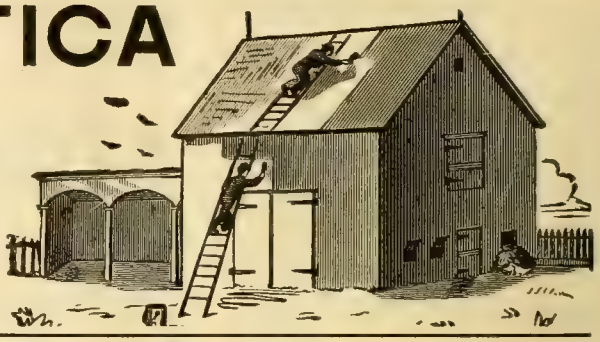
FOLEY MANUFACTURING CO.,
471 West 22nd Street, : : CHICAGO.

Le Journal des Roses.
Organ of the French Rosarians.
Published at Paris. Once a month with colored plates.
Subscription $2.70 per Year. Sample Copies Free.
ADMINISTRATION DU SUISNES JOURNAL DES ROSES
a SUISNES, Brie
a Grisy-Suisnes. (Seine et M FRANCE.

GET OUR PRICES ON
Galvanized Wire Rose Stakes and Tying Wire.
IGOE BROTHERS,
Manufacturers of the Model Plant Supports for Carnations, Dahlias, Golden Glow, Chrysanthemums and Tomatoes.
63-71 Metropolitan Ave., BROOKLYN, N. Y.


EVANS' IMPROVED
CHALLENGE VENTILATING APPARATUS
WRITE FOR ILLUSTRATED CATALOGUE
QUAKER CITY MACHINE WORKS
RICHMOND, IND.

MASTICA
Trade Mark Registered.
—FOR—
Glazing Greenhouses
Sole Manufacturers
F. O. PIERCE COMPANY
NEW YORK
At All Seed Stores



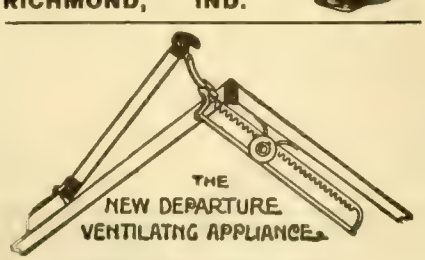
Greenhouse Material of Louisiana Cypress and GREENHOUSE HARDWARE AND POSTS.
Hot Bed Sash Washington Red Cedar PATENT V AND U GUTTERS.
OUR GRADES INVARIABLY THE BEST. OUR PRICES RIGHT.
Write for Catalogue and Estimate, when figuring on your new houses.
A. DIETSCH CO., 617 Sheffield Ave., CHICAGO.
Please mention the American Florist when writing.

BEST ENGRAVINGS and ILLUSTRATIONS
—Of Every Description—
FOR CATALOGUES.
SEE OUR WORK IN THIS PAPER. SEND FOR ESTIMATES.
GLOBE ENGRAVING and ELECTROTYPE CO.
407-427 Dearborn St., CHICAGO.

EUREKA GREENHOUSES.
THE BEST AND LOWEST IN PRICE. All houses erected at the factory and shipped to purchasers with blue prints, photographs and plain directions so that any person can put them up.
DILLON GREENHOUSE MFG. CO., Bloomsburg, Pa.

The Advance Ventilating Apparatus

You have been opening and closing your ventilating sash by hand for years because the apparatus that you knew was not as good as you had a right to expect, or that the cost was more than it should have been or than you could afford. Let us figure with you. We have pleased every customer with our line. Free circular and price list.
THE ADVANCE CO.
RICHMOND, IND.



CHEAPEST AND BEST.
If you doubt it try them and be convinced. Send for descriptive price circular.
J. D. Carmody, Evansville, Ind.

FOR SALE
GLASS New American. 50 sq. ft. to the box. 10x12 single $1.75 per box; 12x12 single $1.90 per box; 10x12, 12x12, 10x15, double, $2 55 per box; 12x14, 12x20, 14x14, 14x20, double, $2 75 per box; 16x16, 16x18, $3.10 per box; 16x24, double, $3.30 per box. Second hand, 8x10 8x12, 10x12, single at $1.50 per box; double, $1.75 per box.
GARDEN HOSE New, ¾-in, guaranteed 100-lbs pressure, 7½c. per ft; ¾-in. not guaranteed, 4¾c. per ft
HOT-BED SASH New Cypress. 3ft.x6ft. from 75cts. up; glazed, complete, from $1.60 up; Second-hand in good condition, all glass in, at $1.25 and $1.00 each.
PIPE Good serviceable second-hand, with threads; 2-inch, 7 cts.; 1¼-inch, 5½ cts; 1¼-inch, 4cts.; 1-inch, 3cts-; 2½-inch, 10cts; 3-inch, 14cts.; 4-inch, 19cts. New 2-inch, Standard, full lengths with couplings, 8¾cts. per ft. Old and new fittings and valves.
Get Our Prices on
Boilers, Pumps, Stillson Wrenches, Stocks and Dies, Pipe Cutters, Pipe Vises, Cypress Material, Etc.
METROPOLITAN MATERIAL CO.
1398-1408 Metropolitan Avenue, BROOKLYN, N. Y.

N. TONAWANDA, N. Y. TORONTO, ONT.
KING CONSTRUCTION CO.
GREENHOUSE CONSTRUCTION AND EQUIPMENT
WRITE FOR CATALOGUE AND PRICES

THE AMERICAN FLORIST

America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXVII. **CHICAGO AND NEW YORK, SEPTEMBER 1, 1906.** **No. 952**

THE AMERICAN FLORIST

TWENTY-SECOND YEAR.

Copyright 1906, by American Florist Company. Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

324 Dearborn St., Chicago.

Eastern Office: 1133 Broadway, New York.

Subscription, $1 00 a year. To Europe, $2 00. Subscriptions accepted only from the trade.

Volumes half yearly from August 190?

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—WM F. KASTING, Buffalo, N. Y., president; H. M. ALTICK, Dayton, O., vice-president; W. J. STEWART, 11 Hamilton Place Boston, Mass., secretary; H B BEATTY, Pittsburg, Pa., treasurer. Twenty-third annual meeting at Philadelphia Pa., August, 1907.

OFFICERS-ELECT—WM. J STEWART, Boston, Mass., president; JOHN WESTCOTT, Philadelphia, Pa., vice-president; P. J. HAUSWIRTH, Auditorium Annex, Chicago, secretary; H. B. BEATTY, Pittsburg, Pa. treasurer.

INTERNATIONAL EXHIBITION—A grand international exhibition will be held with the annual convention at Chicago, November, 1908.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual convention and exhibition at Chicago, November 6-12, 1906. WM. DUCKHAM, Madison, N J president; DAVID FRASER, Penn and Homewood Ave., Pittsburg, Pa., secretary.

AMERICAN ROSE SOCIETY.

Annual meeting and exhibition at Washington, D. C., March 13- 5 1907 ROBT SIMPSON Clifton, N. J, president; BENJAMIN HAMMOND, Fishkill-on-Hudson, N. Y., secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention and exhibition at Toronto, Canada January, 1907. JOHN H. DUNLOP, Toronto, Canada, president; ALBERT M. HERR, Lancaster, Pa., secretary.

THE AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

Annual convention at Toronto, Ont., 1907. BYRON D. WORTHEN, Manchester, N. H., president; F. L. MULFORD, Harrisburg, Pa., secretary.

AMERICAN PEONY SOCIETY.

Third annual meeting and exhibition at Ithaca, N. Y., 1907. C. W. WARD, Queens, N. Y., president; A. H. FEWKES, Newton Highlands, Mass., secretary.

Contents, page 2 0.

Advertising Rates, 270.

Index to Advertisers, 294.

Ready Reference Advts., 295.

THE DAYTON CONVENTION.

Friday's Proceedings.

The meeting on Friday morning, August 24, was lightly attended and of short duration. The present status of the national flower show movement was discussed informally, and the sentiment was quite pronounced in favor of some practical and definite work being started at an early day. Edwin Lonsdale suggested that the preliminary schedules might be compiled in November by the committee on that matter. J. C. Vaughan favored more drastic action and that this should not be deferred until the regular meeting of the executive committee next March. He urged the necessity of beginning the work of preparation forthwith and that the committee should be called together for this purpose.

Secretary Stewart explained that, under the by-laws, 20 members could have a meeting called. On motion of P. J. Hauswirth it was declared to be the sense of the convention that the executive committee should hold a meeting in Chicago in November next.

A report from the committee on final resolutions, embodying a special tribute to President Patterson of the National Cash Register Co., was adopted. Provision was made for an engrossed copy of the latter for presentation to that gentleman. A report of the judges on outdoor exhibits was adopted, as follows:

An exhibit of Canna King Humbert by the Vaughan Seed Store, of Chicago and New York. This is an extra fine exhibit in fine shape. The canna is of fine habit, free flowering; flowers large, of good color and dark bronze, leathery foliage. The same firm makes an exhibit of Baby Rambler rose, also a bed of cannas composed of two unnamed varieties with Papa Nardy and David Harum.

Nathan Smith & Son, of Adrian, Mich., make several interesting exhibits. A bed of Canna Imperial Gardener Hoppe, as growing here, is no improvement over existing varieties. Canna Express is a free bloomer, of dwarf habit and crimson color. By the same firm Canna Director Holtz. Yellow ground, heavily spotted red on smaller petals, others slightly spotted. A very effective color; plants of good habit. Your committee thinks very highly of this variety and recommends a certificate of merit. Also Canna Oscoda. This is not as effective as others in commerce. Canna Martha Washington, by the same firm. Salvia splendens Triumph; of good compact habit, early in flower and of good color. The same firm makes a very interesting display of hardy herbaceous plants. Very effective at the present time are Hibiscus Crimson Eye, Rudbeckia triloba, Boltonia latisquama, B. asteroides, Helenium autumnale superbum and Phlox Mrs. Dwyer, etc.

W. F. Kasting, Buffalo, N. Y., an exhibit of Canna Mrs. Kasting. Fine color of brilliant red; the flower spike carried well above the foliage, making it very effective.

H. A. Dreer, Philadelphia, makes a very interesting exhibit of Delphinium Belladona, petunias, Pennisetum macrophyllum atrosanguineum and Ageratum Inimitable.

Gus. Obermeyer, Parkersburg, W. Va., showed Canna West Virginia. This is an improved souvenir de Antoine Crozy; fine habit and free in flower.

Your committee recommend that the society's silver medal be awarded to John Freudenburger for his care in planting and tasteful arrangement of the outdoor exhibits.

(Signed) PETER BISSET,
EDWIN LONSDALE,
WM. MILLER.

A second report of the S. A. F. committee in charge of the outdoor exhibit stated that 2,800 square feet of space was regularly entered by five exhibitors; also that the labor on and care for the exhibit were kindly furnished by the National Cash Register Co., which kept from two to four men continually at this work. They add:

"The S. A. F. feels under great obligations to this company for their interest and for the good to the community made possible by their generosity. The interest awakened among the citizens of Dayton should prove of benefit to the local florists, and this feature of the 1906 convention, begun in a small way, should be continued, if possible, to ascertain its merits as a business proposition."

The remainder of the day was occupied in a trip to the factory of the National Cash Register Co. and a visit to the Soldiers' home, at which latter place the visitors were received by Governor Thomas and his staff. They were then escorted through the grounds and buildings.

The Date of the S. A. F. Convention.

Last week at the S. A. F. convention in Dayton it was decided to change the date of the annual meeting from August to November, as being a more favorable time of the year in which to hold a horticultural exhibition. Believing, as the writer does, that the strength and usefulness of the S. A. F. has in-

creased with, and to a great extent is the cause of the increase in membership, and believing that any change from the present time of holding the annual convention will tend to decrease the membership of the society, and consequently weaken its strength and lessen its usefulness, the writer would respectfully suggest that a mistake will be made if the proposed change is carried out.

The annual meeting held in August will attract to the society more members than at any other time of the year. At that time the growers with small establishments can best trust their places to inexperienced help—while the storemen and other retailers then have little business to neglect. Again, this being the time when the greatest number of buyers are able to be present, and that, too, before they have placed their orders for the coming season, is what induces all branches of the wholesale and manufacturing trade to make trade exhibits, all of which helps to increase the membership of the society. It is not, however, to be inferred from this that I am opposed to the horticultural exhibition as outlined by Robert Craig, E. G. Hill and Edwin Lonsdale, in their committee report. On the contrary, I think it a move in the right direction, in fact, a positive necessity if the florists of America are to take and hold that position in the front rank of the world's work, to which they are entitled.

By all means have the S. A. F. give us an annual, biennial or triennial horticultural exhibition, but do not mix it up with the annual business meeting of the society. Keep from it the flavor of commercialism, that being held with the trade exhibit would lend to it, and last but not least, do not take from us our summer outing.

FRANK HUNTSMAN.

Convention Echoes.

J. V. Laver, of Erie, Pa., was seriously ill with fever at the Beckel house throughout the convention. A trained nurse was obtained for him, and on Friday morning he was removed to the Miami Valley hospital.

William Scott was around the hotels wearing the hunting coat he won in the shooting tournament. He said it was a cool thing.

Few of the delegates to the convention looked as fresh at its close as J. B. Deamud of Chicago. He seemed to have solved the problem of how to keep cool and comfortable with immense satisfaction to himself.

Following his election to the vice-presidency of the S. A. F., John Westcott received a long telegram conveying congratulations and a eulogy. The sender omitted to prepay the charges and John was up against a disbursement of $1.43. He will frame both telegram and envelope, noting collection fee, and post on the Philadelphia clubhouse walls.

What might have been taken for a stag picnic party on Friday morning was only the last session of the convention held under the shade trees outside the convention hall. At one time it looked as though a straw vote were being taken, but closer observation showed that the effect noticed was due to the fact that a cold liquid had been served around with straws on the side.

The tellers during the election for officers were to be seen hard at work beneath a tree at the rear of the convention hall.

There was much disappointment on the part of exhibitors, due to the fact

Election Tellers at Work at Dayton.

that the general public was admitted to the exhibition hall. The large attendance of people outside the trade at times seriously interfered with the conduct of the usual exhibition business.

Horace M. Frank, chairman of the exhibition committee was escorted to the

248 cast
2 Rejected

			MARK
President	W. J. STEWART	245	X
	J. A. Valentine	1	Against candidate voted for.
Vice-Pres.	S. S. PENNOCK	70	
	LEO NIESSEN	45	
	JOHN WESTCOTT	129	
Secretary	P. J. HAUSWIRTH	181	
	H. M. ALTICK	63	
Treasurer	H. B. BEATTY	246	

The Official Ballot.

cafe on Friday morning where he was quickly surrounded by those in charge of the exhibits. Colonel Castle made quite an oration as he presented to Mr. Frank on behalf of the exhibitors a purse of $65. Mr. Frank feelingly responded, and further by request rendered in fine style, "The Stein," which pleased everybody as being entirely in harmony with the sentiment of the occasion.

Many of the delegates took advantage of the rapid trolley service to run into Richmond, Ind., about 80 miles away, to look over the establishment of the E. G. Hill Co. The establishment of the Good & Reese Co. at Springfield, O., was also on the visiting list.

In one of the windows of J. B. Heiss' retail store there was a well executed country scene, with a grist mill in the distance. On a main road in the foreground was a sign directing travelers to the "S. A. F. Mill."

Additional Trade Exhibits.

The following were omitted in the list printed last week:

James Vick's Sons, Rochester, N. Y., asters.

Nathan Smith & Son, Adrian, Mich., phlox.

The Crowl Fern Co., Millington, Mass., hardy cut ferns and festooning material.

W. E. Gravett, Lancaster, O., white seedling aster.

A. C. Oelschig, Savannah, Ga., Ficus elastica.

Yankee Hose and Pipe Clamp Co., device for mending hose.

H. F. Michell Co., Philadelphia, Pa., oak plant tubs.

C. L. Kimmel, Dayton, O., insecticides, field and garden seeds.

National Cash Register Co., Dayton, O., an exhibit of garden and estate plans.

C. W. Skinner, Troy, O., irrigation system.

Foley Mfg. Co., Chicago, new style of header and gutter.

A. Hermann, New York, baskets and supplies.

J. B. Owen Pottery Co., Zanesville, O., pottery.

D. U. Augspurger & Sons, Peoria, Ill., miscellaneous plants.

Paul Blome & Co., Chicago, plant food.

H. Thaden, Atlanta, Ga., greenhouse roof brace.

Conard & Jones Co., West Grove, Pa., cut blooms of new cannas.

OUTDOOR.

Henry A. Dreer, Philadelphia, Pa., Crimson fountain grass, petunias, Ageratum Inimitable, etc.

Gus. Obermeyer, Parkersburg, W. Va., Canna West Virginia.

The Ideal Private Gardener and His Work.

BY FRED E. PALMER, BROOKLINE, MASS.

The title of this essay was selected by the executive committee of the Society of American Florists, and assigned to the Boston Gardeners' and Florists' Club, as a fitting subject for its contribution to the literature of this convention. This was perfectly natural, for when questions of a philosophical nature are to be discussed, where else would one turn but to the "Athens of America," the erudite city of the old Bay state. It may be taken for granted, also, that the Gardeners' and Florists' Club of Boston, with its young and virile membership of 325 (this includes ladies) is perfectly able to handle any question that may be presented to it; but when it comes to the individual to whom this essay is assigned, every thoughtful person will agree that, while being greatly honored he is, nevertheless, confronted with a duty both difficult and onerous.

In the first place, an ideal which would be common to a number of men is difficult of conception, in fact, impossible. Ideals are essentially individual, and are more characteristic of the man even than his physical features. They change with him from day to day, as he grows in wisdom, always tantalizingly ahead like the desert mirage, yet always incentive to better work and

nobler aims. With these thoughts in one's mind it is hard to get down to earth, where even the ideal gardener belongs.

Before attempting to draw the picture of a present day ideal private gardener, it will interesting and perhaps helpful, to cast a retrospective glance at types of other days and their environment. They are not so far removed as to be unfamiliar to most of us, indeed many honored examples are with us yet; and as the procession of bygone forms and faces is conjured up, we bow our heads in reverence. Many of them were splendid exponents of the true gardening spirit, were faithful servants, staunch friends of the young gardeners who were committed to their charge, though sometimes severe withal. They bring down to modern times, perhaps more than any other retainer, the spirit of those feudal days, in which the extensive private garden had its birth and early nourishment.

Under old world conditions to this day, the number of private gardens of any size is a fixed quantity; new creations are few and far between and are largely offset by the decay and abandonment of old establishments; so, consequently, the market for head gardeners has always been a dull one. A satisfactory and satisfied incumbent held his position often for life. Not much was required of him in the way of technical or scientific knowledge, in fact, too much of that sort of thing would have spoiled him. He was essentially a retainer, although by common consent ranking considerably above the domestics, conservative to a degree, which is always characteristic of those who lack ambition because of the absence of opportunity, that baneful blight of the old world, supremely happy if a modest pension awaited him, or fortunate if able to end his days as the proprietor of a small grocery or public house.

One can easily realize that under the above conditions, there must have been constantly in existance a small army of rejected ones among the body of journeymen gardeners. Head positions not always being awarded with regard to merit, the under gardeners had little incentive to acquire an education above the common, the chances being that they would end their days in the ranks with the laborer. These things may explain the anomalous condition that has undoubtedly existed up to the present time and still exists, viz., that of a large number of intelligent men, engaged in a pursuit so near to nature, so lofty as to transcend almost all others, and if including agriculture, which it naturally does, so important in the world of economics as to comprehend all the necessary things of life within its scope; and yet who are so poorly equipped with technical and scientific education as to render them, as a class, marked in this respect.

It finds its most harmful expression in a conservatism which is positively suicidal in this new day and country. Failing to recognize the opportunity that is now before them of lifting themselves and their craft from the realm of drudgery and servitude into that of science and art where it properly belongs, cherishing the ideal of "My Lord" and "My Lady" who never interfered, the long hours of labor with small pay, the willing helpers who kept going 14 hours per day if ordered to do so, no horse power —horses had to go to rest early,—no hose, no anything, in fact, that savored of innovation and that required new study. Those were indeed good old days.

Let us turn, however, to the conditions which confront us in this marvellous age and country. The ordinary slow processes of evolution and national growth have been entirely ignored. Development along economic, social and art lines has been so rapid as to defy the average observer and student to trace it. The nation, from a condition of extreme crudity and devouring energy which might aptly be compared to the caterpillar stage, has suddenly emerged into a state of refinement and keen appreciation of beauty and art that is as startling and interesting to contemplate as the bursting forth of the perfect butterfly. Let us hope that this simile may not obtain in its ephemeral sense, however.

During this period of strenuous commercial activity, the earth has been made to yield her treasures most bountifully. Nothing in the world's history compares with the development of the natural resources of this country during the last 50 years. The struggle has been terrific, and the confusion even as that of the mighty rapids and whirlpool of Niagara. Out of this maelstrom and into the quiet waters of work well done, victory achieved, and fortunes made have drifted thousands of men who are now seeking rest, recreation, and happiness, the end to which all previous effort has been but the means. Back to nature is the word, and to the soil which gave them their material wealth they again look for those more subtle elements that satisfy the soul. These are the men who have built themselves gardens and who are looking for partners, rather than for hired help, to enable them to accomplish this end. It is perfectly fitting and proper to consider the ideal gardener in the former relationship rather than the latter, and no intelligent proprieter will demur to the spirit of such association.

AT THE DAYTON CONVENTION, AUGUST, 1906.

What kind of a personality will he have who shall fill the measure of this desire for happiness, and at the same time seize the opportunity to exalt the status of his beloved profession, and raise himself to the high social, economic and educational plans to which he naturally and properly belongs? Let us consider the last part of this theme first and discover what duties will be required of him or, in other words, what is his work, and afterwards try and fit the man to it.

The common idea among young gardeners who are ready and feel qualified to take charge of important places is, that the measure of these duties should be included within the following limits: To be able to grow the regular run of greenhouse stock successfully, including orchids, so that when exhibition times come around they may gather in some prizes and nail the cards up in the potting shed to the great glory of the house, and their own emolument. Incidentally, they expect to supply the house with flowers in limited quantities of their own selection, and to grow fruit under glass. They consider the kitchen garden to be part of their sphere, although, as a rule, having had very little experience in that department, also the pleasure grounds with which they have had still less. At first sight, it does seem that the list includes about all that should be required of the average gardener, and if he were a master in every

branch mentioned, he would certainly be pretty well equipped as a workman.

The duties of the ideal gardener, however, cover a much wider range. He has formed a partnership with the proprietor, the object of which is to produce a certain indefinable, intangible thing called happiness. Primarily the happiness of the latter and also that of his own, as a natural corollary. With this in view, he will seek to discover the bent of his employer and, having found it, to guide it into practical channels. His common sense will often come into conflict with whimsical desires, but with plenty of tact and a desire to serve, this will not be a serious source of trouble. He will be required to plan and lay out an entirely new place, erect greenhouses, put in water supply, survey and grade land, build drives, handle large bodies of men intelligently, to study up-to-date methods, and appliances, such as labor saving machinery, insecticides, and fertilizers; scoffing at nothing because of its strangeness, but testing desirable things intelligently with a view to conducting the place with economy and facility. One of his most delicate duties will be to preserve peace and harmony among his fellow employes, listening to the complaints of his subordinates with a judicial and kindly ear, and pleading their cause with their employer. To the youngest gardeners under his charge he owes a peculiar and sacred duty. Having trod the path before them, he is in a position to know their desires and ambitions, and should use every effort for their upbuilding into ideal men and gardeners. Short hours of labor, liberal wages, libraries, opportunities to attend lectures and exhibitions, encouragement to form or join clubs, and above all, a kindly personal interest in their welfare, easily lie within his power to promote.

In providing the various garden products, he should study the trend of fashionable taste and try and forstall the demand in this respect, it being always extremely pleasing to the proprietor to find himself the possessor of the newest things in flowers, fruits and vegetables. On the other hand, it is bad taste on the gardener's part to persistently attempt to force his own particular hobby on an unwilling employer; this is undoubtedly a rock on which many a good man splits. It is the duty, and should be the pleasure, of the gardener to treat friends of the proprietor with courtesy and respect; this admonition is particularly applicable in cases when married children, or other relatives, locate permanently on the home estate and whose presence there is often considered by the gardener as an intrusion. Generally this involves merely the production of more garden stuff of every kind, which means more labor, a matter which the ideal gardener can easily adjust by frankly explaining it to his employer.

A thousand other duties might be enumerated which attach to the ideal gardener of to-day, which in years gone by were supposed to be outside of his province. Far from considering these added burdens, however, he should welcome them as indications of increased opportunities and tributes to his advanced intelligence.

To successfully meet these requirements, what kind of a man is needed? Certainly one with a most complete education in the knowledge and cultivation of plants that can be conceived. This should have begun in the lowest grades of the grammer school, and continued through every step of school life, not as a theory or dry recital of facts, but out in the garden and field. Happily this important feature in the education of every child, whether destined for the horticultural profession or not, is beginning to be recognized by our public educators. In the case of the ideal gardener, of course, this study should never cease; it should include a knowledge of the lower organisms both vegetable and animal, which we call diseases, also that of the insect and animal world in general, in so far as it affects plant life for good or ill.

A knowledge of physics, especially that branch pertaining to mechanics; of chemistry to the extent that he may appreciate the relative values of different elements in soil, air and water, to know the effects of various chemicals on insect life, and the poisons that are contained in many plants with their antidotes, would be extremely useful. The fundamental laws of art, wherein it is shown that harmony of colors and forms follow as fixed and well defined rules as those that exist in the phenomena of sound, should be understood. This would naturally include a study of the principles of landscape, elementary land surveying and the use of the instruments connected therewith.

All these and a hundred other things may be enumerated as contributing to the mental equipment of a modern first rate gardener. It is a pretty formidable curriculum, especially to the man whose lines of prospective have not carried him much beyond the potting bench, whose chief ambition is to drop into an easy job where the boss is away most of the time, and where no embarrassing questions are asked. Let it not be supposed for a moment, however, that the mere acquisition of all this knowledge in itself constitutes an ideal man. These things are simply tools to be used as means to an end, which is wisdom and

EXHIBIT OF H. BAYERSDORFER, PHILADELPHIA, AT DAYTON.

AT THE ROHRERS ISLAND GUN CLUB, DAYTON.

EXHIBIT OF SAMUEL S. PENNOCK, PHILADELPHIA, AT DAYTON.

this finds its highest expression in the ability and desire to serve.

If in the course of all these years of study and application, he has not discovered that his own measure of happiness is commensurate with the service which he renders others, then his time and labor have been largely wasted. Unselfish service is the philosopher's stone. He who possesses it scatters happiness where e'er he goes, to his employer, his fellow laborers, in fact, to all with whom he comes in contact. He possesses a pleasing personality, is interesting in conversation, and tactful in manner. Of him, his employer makes a friend and companion. He is not only an ideal gardener but an ideal man.

Present Status of the Peony.

President C. W. Ward of the American Peony Society addressed the members of that society on this subject at its annual convention, at Boston, Mass., June 15-16, 1906, as follows:

Another year has passed since the organization of our society and since our first exhibition of peonies which was held in Chicago, and we are now able to compare the results of the two exhibitions and to judge as to whether we are making substantial progress or not. The exhibition of peonies at Chicago was admitted to have been the finest display of peonies ever seen upon the American continent and the display of our favorite flower now staged in the adjacent hall is even more complete and more interesting than that held in Chicago. This we had confidently expected and had we not been able to make fully as good a showing here in Boston as was made at Chicago, we would have been disappointed.

Our fellow peony growers in the vicinity of Boston are to be complimented upon the splendid display of flowers which they have staged and we all hope that future exhibitions will be as complete, as interesting and of as much educational value as this has been. The magnificent exhibitions which we will be able to stage of peony flowers in the future will without doubt cause a constantly increasing interest in the peony and will more fully justify the existence of our society. There is no doubt in my mind that what we have been able to accomplish in displaying peonies at this exhibition will be much improved in the future.

At the Chicago exhibition we secured considerable knowledge and experience in the shipping and staging of flowers and this knowledge has been substantially added to by the experience gained in staging the present exhibit.

In order to secure a large display of flowers from different sections of the country, it is necessary that growers in those sections where the peony blooms early in the season, ship their flowers in the bud form for cold storage, as in the more southern sections of the country the peonies are out of bloom before any flowers can be had in the latitude of Boston, Cleveland, Detroit and Chicago.

My own experience in attempting to store peonies in an ice box for exhibition purposes has proved a signal failure this year and of several hundred blooms so held, I have been able to stage but a hundred or so in passable condition.

At the Chicago exhibition some 2000 blooms were shipped and held in a cold storage plant some 6 to 14 days and many of them came out in good condition and made a passable display. But at Boston no cold storage plant could be found which would receive the peonies and I was compelled to accept the kind offer of one of Boston's representative firms who tendered the use of a large florist's ice box and took excellent care of the blooms while in storage, but the blooms came out in bad shape, having been rotted at the base of the petals because of excess of moisture in the ice box.

When placed in a regular cold storage plant an even temperature and a dry atmosphere can be maintained and better results will be obtained, but my experience with ice box storage indicates that peonies cannot be successfully carried any great length of time in florists' ice boxes and make a creditable showing on the exhibition table.

When placed in cold storage the blooms should be tied six to 12 in a bundle and the buds wrapped in waxed or oiled paper extending 6 inches beyond the buds but open at the ends, and the stems plunged in water one-half to two-thirds of their length. This uncertainty in storing and keeping peony blooms renders the gathering together of a representative exhibition from different points of the country at one time an exceptionally difficult task and it is a foregone conclusion that our peony displays must depend very largely upon those growers in the immediate vicinity of the locality where the annual exhibition is held.

In my address read before the con-

EXHIBIT OF BENJ. HAMMOND, FISHKILL-ON-HUDSON, N Y., AT DAYTON.

EXHIBIT OF J. STERN & CO., PHILADELPHIA, AT THE DAYTON CONVENTION.

vention at Chicago I was compelled to offer apologies to the members of the society because work properly chargeable to me had not been done. This season I am again compelled to apologize to the members because of the same lack, the only excuse that I can offer is the fact that I have been absent from home the most of the time since the Chicago exhibition and have at the present time so much detail work upon my shoulders that I am not sufficiently strong to carry it all out and to give the matters of this society proper attention and it is my hope that you will select some other member to fill the office of president who not only can spare the necessary time to look after the interests of the society properly, but who also will be more energetic and take a more active interest in the society's affairs than I have been able to do the past 2 years as president of your society.

The necessity of continuing everlastingly at the task of straightening out the monenclature of the peony has been most emphatically impressed upon me by my experience in purchasing peonies from both foreign and American growers during the last 3 years.

In my last annual address I referred to the variety purchased under the name of Henry Murger, wherein I received two absolutely distinct peonies under this name from the same firm at different periods. This spring the attempt to determine whether the names attached to the various varieties growing in our peony test plot were the true names, developed a state of affairs which has caused me not a little chagrin and I find that I have the same peony in many instances under several names.

Some 2 years ago I purchased from one of the most reliable firms in Holland quite a quantity of a peony under the name of Mons. Chas. Leveque, paying therefor an exceptionally large price under the impression and representation that I was getting something especially good. The plants are blooming for the first time this season and prove to be nothing less than the variety sold by French growers under the name of Mlle. Leonie Calot, introduced by Calot in 1861. We have been purchasing this variety from the most responsible French and German growers and while the peony is of a very beautiful color, it is weak in the stem and the blooms fall upon the ground and it has little value as an effective sort in the field. The color is a beautiful shade of salmon pink, the flower is medium in size and has the merit of being a good keeper and may have some value as a cut flower variety, but if the firms who have introduced this peony under a new name, thus giving the impression that it is a new variety, have done it knowingly, they have perpetrated a fraud upon American peony buyers which will not be soon forgotten by those who have been unfortunate enough to purchase this variety at a much higher price than they could have secured it under its true name from the French and German growers.

Two distinct sorts came to us from reputable firms under the name of Delachii, one being a deep purplish amaranth, the other much darker in color and with a decided crimson cast. The habits of both varieties are quite different and one sort is much more valuable than the other. I have not as yet been able to determine which is the true sort as either one would answer fairly well to the introducer's description of Delachii which is "deep purple."

From one of the most responsible American peony firms we got the variety Mme. Ducel under the name of Model of Perfection, others have the name of Mons. Jules Elie attached to their stock of Mme. Ducel. Under Modiste Guerin come two varieties somewhat similar in habit and similar in color, but the true variety is much better in color and a more valuable peony than the false one.

Mme. Coste comes to us under the name of Souv. d L'Exposition Universelle. Under the same name we get two dark pink varieties which are far inferior to Souv. d L'Exp. Universelle and which we have not as yet been able to identify.

Marie Stuart comes to us from one of the most prominent western peony firms under the name of Baroness Schroeder. Under the name of Mme. de Verneville we get a mixture of Mme. de Vatry, Jeanne d'Arc and the true Verneville. Jeanne d'Arc comes to us under the name of Marguerite Gerard; Agnes Marie Kelway came under the name of La Tulipe, and La Tulipe comes also under the name of Multicolor.

Two common dark pink peonies come to us under the name of Mme. Camille Bancel. Under La Tendresse we get a common flesh pink semi-double peony which shows the seed pods prominently in the center. The true La Tendresse is creamy white, absolutely double, shows no center or seed pods and is a much dwarfer grower than the false variety.

Some 3 or 4 years since we purchased from a Holland firm quite a stock of a good solid pink peony under the name of Rose d'Amour. All of the stock we received from the firm the first year proved to be true to habit and color. The second order to the same firm for

EXHIBIT OF REED & KELLER, OF NEW YORK, AT DAYTON.

the same variety brought a mixed lot of pink peonies, all varying shades of dark and light pink and purple and but 11 plants out of 100 received proved to be the same kind sold us originally by this same firm as Rose d'Amour. An investigation of the variety and comparing it with the true Rose d'Amour which we purchased from a French firm and which answers to the originator's description, disclosed the fact that none of the peonies shipped us by the Holland firm in question were the true variety. Many common sorts come to us under the names of well known, valuable varieties. In some instances where a quantity of a valuable sort is purchased, one or two plants in the lot will prove true to name, the balance being frequently nothing but a lot of mixed varieties running through shades of color somewhat similar to the variety ordered but of totally different habit and frequently a totally different period of blooming.

In many instances where a pink variety is ordered we receive various shades of dark and light pink, white, flesh colored and even the deep purples and amaranths. In some instances where a delicate flesh colored pink peony was ordered, the variety received proved upon blooming to be a deep purple.

These experiences have been the result of my observations during the past 5 years while attempting to accumulate a stock of peonies true to name by purchasing them from Holland, French and German peony firms as well as from American firms. Our plants are now 3 and 4 years old and are developing normal blooms showing the true characteristics so that for the first time we are able to identify the varieties in a practical way provided the originator's description is sufficiently definite.

In Holland they have a peony association which is endeavoring to straighten peony nomenclature by holding annual exhibitions of peony blooms and thereby settling mooted questions of nomenclature and they have identified a number of varieties which they claim to be able to furnish true to originator's name and description. Nevertheless, in many instances when we buy of them they prove to be wrong when we get them in flower here.

Our own American firms do not seem to be in much better condition and it would seem as if we are at present almost hopelessly mixed in our peony nomenclature which seems to be too confused even for our American firms to deal intelligently among themselves.

Take for instance, the peony Delachii. Should we need 1000 of this variety for massing in a large piece of landscape work, if we ordered it from two or three different American firms we would receive possibly two or three different shades of purple that would spoil the effects of the mass of color if used together, and barring a very few sorts if we should get an order for 1000 plants of one variety, I do not know where we could get the order properly filled. Before peonies can be used largely and effectively in landscape work the nomenclature must be straightened out so that peonies can be purchased in quantity from different firms true to name, color, height and time of blooming.

As most of you know this society is making an effort to straighten out and identify peonies in this country by cooperating with Cornell University, at Ithaca, N. Y., in planting a test plot of several thousand varieties from different sources and we are in hopes that by this means we shall be able to settle on a list of 40 to 50 sorts, sufficiently distinct, and accummulate a sufficient quantity of true stock to enable us to do business with each other on a satisfactory basis.

There are too many varieties now under name and there is not enough stock of the best sorts to supply any great demand and as these better sorts are sold at good prices, there is a great temptation for a certain class of dealers to put in a few of the true sort ordered and then to fill up the box with roots of common kinds. We have found three or four firms in Europe who are making an honest effort to send out reliable stock true to the originator's name and who are willing to guarantee their stock. We have adopted the practice of requiring such guarantees and not paying for stock until it has bloomed with us and proved true and the most reliable firms are willing to guarantee their stock in this way. But even with such guarantees we get too great a percentage wrongly labeled probably due to inefficient systems of keeping stock or carelessness of workmen in handling and packing shipments. As it takes 3 years to fully identify peonies, this receiving unreliable stock is a most serious detriment and obstacle both to the commercial dealer as well as to the amateur who is often keenly disappointed in getting something entirely different from what was expected from the catalogue description or from what was seen and noted on the exhibition table.

Much yet remains to be done in the way of advertising the merits of the peony and disseminating a general knowledge of its culture among the people at large and some system of cooperating among the members of this society for this purpose would seem to

WAITING FOR THE OPENING OF A SESSION AT DAYTON.

THE LAST SESSION OF THE DAYTON CONVENTION.

be feasible and desirable and ought to be thoroughly considered and investigated by its commercial members.

Our next annual meeting, should it be held at Ithaca, would prove the most instructive and interesting of all our meetings and should certainly be attended by every member of our society. It is satisfactory to note a substantial increase of membership as well as a sen-

ruary until the hot weather comes. For the May and June crop sow early in March in cold frames or in pots and plant outdoors as soon as the weather permits. For July, August and September flowering sow in May and June two or three weeks apart. For October and November flowers sow the latter part of July or first part of August in frames.

especially during rainy or inclement weather.

SUPPORTING THE VINES.

When the plants reach a height of six inches they should be given support, and the best method is as follows: Stretch one wire on bottom and another wire about six feet above that, and connect with strings, from time to time helping the plants to climb.

INSECTS.

The first insect which will appear is the green worm, similar to the cabbage worm. These must be picked off every day before they become too numerous. They will be found almost always on the top or upper leaves. After several hard frosts the worm will disappear. The green fly is a very bad enemy of sweet peas, but light fumigating or syringing with a light solution of [illegible]tine from time to time, will check the insect if done in time.

ANT. C. ZVOLANEK.

EXHIBIT OF M. RICE & CO., PHILADELPHIA, AT DAYTON.

sible accummulation of funds, both of which augur well for the future of the peony society.

Forcing Sweet Peas in Winter.

The highest light houses should be chosen for sweet peas. Fill the benches, or well drained solid beds, with a good compost of about three parts sod and one part old horse manure. Drop four to five seeds about 12 x 20 inches apart; water thoroughly, keep always on the wet side and in a steady growing condition.

White seeded sweet peas, such as Florence Denzer, should be started in sand, as they seldom germinate if sown directly in soil. Or, soak them over night in water; next morning put them in damp sawdust or some similar material for two to four days until roots about one-fourth inch have started. As soon as this start has been made, sow them in moist soil which should stand a few days without watering. Plant either in the benches where they will grow, or in pots. After the plants start to grow, which will be in two or three days, give them some water and in a few days more they can be watered just as heavily as black seeded ones. If the space on the benches is not ready, sow in 4 or 5-inch pots, and then plant in benches after three or four weeks, but be very careful with the watering, as over-dry or pot-bound plants will never produce good flowers.

TIME TO SOW.

If a crop is wanted from November to April sow seed the latter part of August or first part of September. October sowing will yield a crop from New Year's to June. November and December sowings will bring a crop from Feb-

To obtain good long-stemmed blooms from outdoors the soil must be well prepared and watered. If possible protect the plants from the hot noon-day sun. Good short old manure mulch will be found of great advantage.

TEMPERATURE AND VENTILATION.

Ventilation is one of the most important in growing sweet peas successfully. As soon as sown, all the air possible should be allowed. The best temperature is 45° to 50° at night, 56° during cloudy and 65° to 70° on bright sunny days. As soon as cool nights arrive let the steam run in two to four pipes. At the same time the ventilators should be kept open as long as possible, especially when the first buds appear. This will prevent the dropping of buds

Cacti at the Missouri Botanical Garden.

The illustrations herewith show the two sides of one end of one of the cactus houses, and a wing of the yucca house, at the Missouri Botanical Garden. The front edge and pockets are built up with perforated limestone which is found along the Merimec river near St. Louis and sometimes called Merimec river stone. This was placed on the ground, which had been given the proper grade, and the soil filled in and plants set out, after which small pieces of the stone were scattered between the plants, thereby producing a more natural appearance.

The house is heated by hot water, the pipes running in a pit along the wall, and slabs of rock placed over them at intervals to support the soil, and 10-inch sewer pipes cut lengthwise and placed vertically against the wall to allow the heat to come up. This structure is connected with the yucca house, which is a dome house, with an open archway.

The illustrations show only three groups, cereus on the west or right hand side (Fig. 1) and opuntias and echinocactus on the east or left hand side (Fig. 2). These plants will be allowed to remain in this house throughout the summer and winter and therefore only represent a portion of the large and beautiful collection of succulent plants that can be seen in the

A FIRING SQUAD AT THE SHOOTING TOURNAMENT AT DAYTON.

CACTI AT THE MISSOURI BOTANIC GARDENS, ST. LOUIS, MO.

Fig. 1.—A group of cereuses.

different houses in winter and outside in beds in summer at the garden.

The genus cereus consists of some 200 distinct species which are distributed over the tropical and temperate regions of America, extending to the Galapagos or Tortoise Islands, 200 miles off the coast of Peru. In these islands Darwin found several small kinds of cereus, some of them growing near the snow line in exposed places on the highest mountains. In the West Indies some of the night flowering ones are very common. They cling to the rocks with their aerial roots and sometimes even grow on exposed trunks of trees, where their large, fragrant flowers open just after sundown. A large number of the species of cereus will not grow in cultivation and therefore cannot be seen except in their native habitat.

Some of those shown (Fig. 1) can easily be found, and I will name a few illustrating their different habits of growth. Starting at the lower right hand corner is C. Engelmanni, which is a late species. The large round cluster just above it is C. Phoenicius. The tall one next above is Pilocereus Hoppenstedii. The two large ones at the top are both C. giganteus, which in its native habitat (Mexico and Arizona) reaches 60 feet in height and has two or more branches. Between these two specimens is C. polycanthus, and directly in front of it is C. Sargentianus with its porcupine appearance. The smaller ones with the white tops are the favorite old man cactus or C. senilis. The tall one at the extreme end is C. marginatus. Scattered among these are such species as C. eburneus, C. cometes, C. paucispinus, C. stramineus, C. Nichelsii, C. Pringeli and C. geometrizans. At the end of this house are found such of the climbing varieties as C. grandiflorus, C. irradians, and C. compressus.

In figure 2, starting at the upper end, are shown several opuntias. This genus comprises about 150 species, all of them natives of the American continent and the West Indies, though a large number have become naturalized in different parts of the world. They are easily distinguished from all other cacti by their peculiar characters in spines and leaves. They vary from a small plant never more than 6 inches high to a large bush-plant 8 feet to 30 feet in height. Hedges are made in some countries of O. Tuna or O. horrida which are impassable to either man or animal. They grow in the very poorest of soil and even on bare rock, and as they grow very fast are much used in Africa, Australia and India for fences.

The flowers are produced on the edges of the stems, which usually are flat, but in some species are not, as for instance, in O. cylindrica. The floral beauty of these plants is not to be recommended, though if the same flowers were on plants of less repulsive appearance they would be admired by all. They are exceedingly curious but less ornamental than many other succulents. Two species besides those used for hedges are of economic value, O. Ficus-Indica, the prickly pear, and O. coccinellifera, on which the cochineal insects are reared.

The tall one with its many branches is O. Amyclæa, and the one with the broad, flat stems is O. Dillenii, while the one in the corner is O. Engelmanni. The others that are scattered through are O. leucotricha, O. crassa and O. microdasys. There is quite a collection of these in one of the other cactus houses.

The group of cannon balls as some call them represent the genus echinocactus. For the most part these are globular in shape, though some get as high as 6 or 8 feet, and are densely covered with spines which in some species assume huge proportions. The flowers which are usually borne on the apex are in most instances brightly colored. They are very closely allied to the cereus, but botanists claim that they can separate the two genera by their seed vessels; but when not in flower there is very little from their more conspicuous characteristics to distinguish one from the other.

The large plant at the top is E. Emoryi. On the same level is the barrel cactus or E. Wislizeni. Directly in front of E. Emoryi is E. longihamatus. Scattered here and there are the golden-spined E. Grusoni and such others as E. peninsulae, E. pilosus and that beautiful red-spined traveler's plant or E. cylindræcus E. Lecontei, E. ingens and many others.

There is also a large group of mamillarias in this house, one corner of which can be seen on the left of figure 2.

M.

CACTI AT THE MISSOURI BOTANIC GARDENS, ST. LOUIS, MO.

Fig. 2.—Opuntias and echinocacti.

Massachusetts Horticultural Society.

The schedule of the 1907 spring exhibitions of the Massachusets Horticultural society has been issued. Some noteworthy features of interest are the bringing out of several old-time favorites which have not been seen in the lists for many years, as well as some novelties which appear for the first time. Among these are camellias, schizanthus, imantophyllums (clivias), fibrous begonias, forced lilies, and Darwin and late single tulips.

In addition to the numerous classes of spring bulbous plants are the classes of Indian azaleas, ericas, acacias, "Easter plants," herbaceous spireas, and climbing and Rambler roses. There is also a class of forced bulbs for amateurs only. The very liberal prizes offered should insure a good competition at these exhibitions.

For the March exhibition the Julius Roehrs Co., of Rutherford, N. J., offers special prizes to the amount of $25 for the best groups of hard-wooded flowering greenhouse plants, such as acacias, camellias, azaleas, rhododendrons, etc., to be competed for by private gardeners only.

Accompanying this preliminary schedule is a circular announcing three special prizes for decorated dinner tables to be awarded at the chrysanthemum show of November 2-4, 1906.

These prizes are for the best decorated tables laid for six covers, and the judges are to be three ladies selected by the committee on exhibitions. The prizes offered are as follows: First, $75 and a silver gilt medal; second, $50 and a silver medal; third, $35 and a bronze medal.

Copies of the schedule and circular and any further information desired concerning these exhibitions can be obtained on application to the secretary, Wm. P. Rich, 300 Massachusetts ave., Boston, Mass.

Gunnar Teilmann Abroad.

Gunnar Teilmann, of Marion, Ind., who has been abroad visiting relatives and friends in Denmark and other northern European points, writes that on the ninth day of their trip the north of Scotland was passed and the next day anchor dropped at Christiansund, Norway, for a couple of hours. Toward evening they sailed up through Christiania fjord. The ship lay in the harbor about six hours.

As the greenhouses which supply Christiania with flowers are located in the outskirts of the city and several miles from the center, there was no opportunity to visit them. All that was seen in that line were a couple of flower stores and a few smaller places of mixed flowers and vegetables. The city is most beautifully located, its homes and other buildings being scattered along the sound with the pine-clad hills near by.

On the next day, July 17, Copenhagen was reached. During the four days' stay several of the greenhouses and parks were visited. Among the more notable things seen were the fine park bedding and the collections of tuberous-rooted begonias with flowers five inches in diameter, and collections with some of the finest colors, both double and single and shading from the most beautiful pink to dark crimson and a fine yellow. In partially shaded places there is nothing more beautiful as also in porch boxes and as a pot plant. Most of the bulbs come from Belgium, but one florist in Copenhagen had his own strain produced from his own seed and he had some wonderful creations.

Another plant which is much more used in bedding in the Scandinavian countries than in America is the beautiful blue lobelia Kaiser Wilhelm. This produces a beautiful contrast with the other white and red flowers used. We never see so much blue in them in our beddings. Is it the variety, the climate or the treatment? It is certainly most effective.

Most of the chrysanthemums grown in Denmark are grown in pots, some of them in very large ones. One or two progressive growers had planted them out in beds, solid beds at that, and who disbudded them more than most do. They also had some very early varieties. If these can produce flowers as early and as large in America they certainly would be money makers. As it is they are well worth a trial.

Then there were some beautiful specimens of Crimson Rambler roses, with the most luxuriant growth of both plants and individual flowers. In the botanical gardens of Copenhagen there were a couple of plants so large that one would think they were of a new and larger flowering variety, but upon inquiry it was found that they were not. The large clusters and flowers were produced with very strong culture, both manure and manure water.

Some strikingly beautiful roses are grown in the open in Denmark, notable for variety of colors and the size of the plants and flowers, and far ahead of anything grown in our country. Perhaps the climate is more suitable, but perhaps we do not get the best varieties suitable for outside culture and then do not cultivate them strong enough when we do get them. Almost every garden in Denmark has its roses and they are as large and perfect as those produced in greenhouses, not excepting American Beauty. The latter rose was not seen. One specialist in roses close to Copenhagen is said to have almost 15 acres in roses. Recently this grower exhibited 50,000 cut blooms from outdoor grown rose plants. It was a most magnificent display.

On a large boulevard about 200 feet wide and close to a park located in the central section of Copenhagen a flower market is held every morning from 4 to 6 o'clock. From 50 to 100 gardeners and florists congregate here with their wagons loaded with choice flowers and fruit. They take their places as they arrive one after another in a long row. The stock is unloaded and sold wholesale either to passersby or the eager shopkeepers. Promptly at 9 o'clock everyone reloads what is left on his wagon and leaves for home. In about 10 minutes everything is cleared off and that part of the street and sidewalk is again open for the regular traffic. These markets are a great help both to the wholesalers and the buying public, but one has to get up early in the morning and strictly observe the police regulations.

Greenhouse Heating.

ED. AMERICAN FLORIST:—

I have three houses, connected, running east and west, each 20 x 112 feet. The gutters are six feet from the ground and 13 from the ridge. The north wall is of wood, the rest being almost entirely of glass. I have a 40 H. P. boiler to be placed at the northwest corner. How many flow and return pipes, and of what size, will be needed to maintain a temperature of 60°, the mercury outside never falling to zero?

L. T.

Houses such as described could be readily heated by means of two 2-inch flow pipes and eight 1¼-inch steam returns. Just how these should be arranged will depend upon the class of plants to be grown in the houses as well as upon the arrangement of the walks and benches or beds. For some purposes the mains can be upon the side walls near the plates and the returns can be carried lower down upon the walls. However, when it is possible to do so it is well to have one or two of the returns under each of the benches. The mains can also be carried upon the purlin or ridge posts. In the latter case one 2½-inch flow could be substituted for the two 2-inch recommended above.

L. R. T.

St. Louis.

MARKET DULL.

With the weather over 90° in the shade there has been very little doing. Everything has been at a complete standstill, and to make matters worse the quality of the stock was very bad, especially in roses, which arrive off color, soft and small. Carnations in many instances, especially those grown outside, show the effect of heat, and also of water soak. The handling of American Beauty by the wholesalers these warm days has been a very hard matter. It has been in demand, but if the blooms arrive at all open the retailers will not purchase, as they cannot afford to lose them. The growers are busy getting ready for their fall crops. Violets are looking well in some places, while others are not quite so good looking on account of dry weather.

NOTES.

The Victoria Regia lilies at Tower Grove park have taken the advantage of hot weather and have broken the record for large growth. Natives of Brazil, they have to be kept in water all the time in this climate. The largest leaf measures over six feet over the flat surface. The blossom opens at sundown, but closes to the size of a bud by morning. The first night the bloom opens it is white, second pink, and the third morning sinks to the bottom of the lake, where the ripening of the seed pod begins.

The bronze statue of St. Louis to be presented to the city by the Louisiana Purchase Exposition Co. is about completed. It is an exact reproduction of the plaster statue which stood in the Plaza at the world's fair. It is 22 feet high and mounted upon its granite pedestal before the palace of fine arts in the park will stand 40 feet above the ground. The statue will be unveiled at Forest park October 4.

Andrew Meyer, Jr., city forester, has received the thanks of the Southwestern association for the interest taken by him in the preservation of city shade trees. He compelled the transit company to protect the trees from their wires.

Philip Goebel, Jr., of Webster Grove, is bringing in some good Enchantress. His carnations are housed, but the glass is not yet on top. He expects to have his houses completed by the middle of September.

Alex. Siegel and John Burke are taking a rest. They visit the wholesale market in the morning only long enough to say "Howdee" or perhaps buy a string or two of smilax.

Geo. Angermueller is going around visiting his consigners. After leaving Dayton he went to Cincinnati, New Castle and Fort Wayne, Ind.

Miss Mina Myers is now bookkeeper at Geo. H. Angermueller's. This will give Geo. and Fred Alves more time to wait on customers.

Frank Buckshat, formerly retail florist here and lately working at the greenhouses in Forest park, is now in the employ of Ostertag Bros.

Chas. Ebele, of New Orleans, was a visitor here on his return from Dayton. He was accompanied by his wife and daughter.

Mrs. Adolph Brix has just returned from Europe, where she has spent the last three months.

W. W. Stertzing has been bringing some fine asters into the market the past week.

J. F. Quinn reports trade as very good, especially in funeral work.

Miss M. S. Newman has gone on a vacation to southeastern Maine.

H. G. Berning and wife are away on a two weeks' vacation. W. F.

Toronto.

EXCELLENT SUMMER TRADE.

Business for summer is the best ever experienced. The visit of the British Medical association created unusual activity and the large number of banquets which were given in its behalf were fairly well distributed among the florists. Fairly good roses from young stock are now coming in and meeting with good demand. Carnations are no longer a rarity and are fairly plentiful, Enchantress blooms being equal to midwinter stock. Asters have shortened considerably, and the recent rains have spoiled most of the sweet peas.

NOTES.

Wm. Jennings, of Brampton, was a visitor. Carnations of good quality are being shipped by him in quantities. Mr. Jennings has just completed his new violet section, and the young stock which has been grown in the benches is large for the early season.

A. C. Jennings has opened a retail store at 129 King street West. Mr. Jennings for a number of years managed the department store flower section and has had considerable experience with a large personal connection.

J. H. Dunlop has returned from Dayton, O. The reception afforded the visitors and the trade exhibit were very commendable in Mr. Dunlop's opinion, but the weather was too hot to be mentioned.

Robt. Abbs has remodeled his entire plant. Roses which predominated heretofore have been discarded and the entire place has been planted in carnations and a few chrysanthemums.

Fred Griffin, of Cleveland, O., was a visitor, he has sold quite a number of his new flower stands, which met with success wherever shown.

The Bedford Park Floral Co. is cutting Bride and Bridesmaid roses of good quality for new stock.

The Dale estate, of Brampton, is shipping well grown American Beauty from young stock. H. G. D.

New Orleans.

A BUSY WEEK.

The past week was a very good one for all those engaged in the cut flower and design trade. Nearly all the flowers were used for funerals and by Saturday night not a flower could be had at any of the principal flower stores on Canal street or vicinity. The shipments from Chicago arrived nearly three hours late, which means close to midnight on Saturday. Nearly all of the florists declare the past week the best during the last two months and it broke the spell of the extreme dull season. Although we have had several days with a temperature as high as 97°, we do not suffer half as much as the people farther north. In contrast to reports from other cities we had only one prostration from the heat. The heavy rains have stopped and everything indoors and outdoors is doing fine. The majority of the tourists are still out of town, but the brightest prospects prevail for an exceptionally good business during the coming season. Wherever one goes there is activity among the growers, both wholesale and retail, and all are well prepared for a big demand in all kinds of plants and the principal cut flowers.

The Late Wm. McMillan.
See obituary.

NOTES.

Nearly a dozen of our local florists, several accompanied by their wives and daughters, left the city a little over a week ago to visit Dayton, the convention city, and nearby towns of horticultural interest. Among them were U. J. Virgin and wife, Otto Abele, J. A. Newsham, Harry Papworth, Harry Ellwell, Matthew Cook, Miss Carrie Cook, Henry Rehm, Chas. Ebele, W. Rehm, John Rink and P. P. Vorburgh. Harry Papworth, one of the foremost florists in this city, acted as one of the judges at the convention. So far only two of them, Messrs. Abele and Newsham, have returned. Both speak very highly of the convention, the exhibits, especially the novelties in plants and cut flowers shown, the city of Dayton as a convention place, the cordial welcome to all visitors by the mayor and the entire population, and last but not least, the grand entertainment given by the National Cash Register Co. to all the visitors and local florists, their families and friends. J. A. Newsham has attended almost every convention during the past 15 years and declares the Dayton convention, on account of the splendid and central location, one of the best held during that time. He returned August 25, after visiting only a few of the principal cities close to Dayton. The writer met Otto Abele, of the firm of Abele Bros., only 15 minutes after his return. He spoke very enthusiastically of everything seen, but declares that the same and even better results in growing certain plants and cut flowers could be obtained in this city if things were grown under the specialty plan. The only complaint made by both arrivals was against the scorching heat up north and they welcomed the cool breezes of the Crescent city.

Frank B. Faessel harvested a fine crop of Bride, Bridesmaid, Kaiserin and Golden Gate roses planted on raised top, glass covered benches, the sides of which are open, and a fine fall and winter crop can be predicted. His chrysanthemums grown in the same manner without glass are exceptionally fine.

Robt. Reineke prides himself on having the largest and finest specimen adiantums of different varieties in the city.

CRESCENT.

OBITUARY.

William McMillan.

Wm. McMillan, of Boston, who passed away August 22, had been an invalid since 1899, but had been able to be outdoors on pleasant days until 10 days before his death, when he suffered from a paralytic stroke.

Mr. McMillan came to this country from Scotland in 1886. He soon obtained a situation with W. W. Rawson & Co., of Boston. Here his genial ways, good nature and always ready joke won for him at once the regard of his employers and fellow employes. The market gardeners soon found in him a friend upon whom they could always depend. "If Mac put up the order it must be all right," became a common saying. His faithfulness was rewarded by his being given charge of the vegetable seed department, which position he held until suddenly taken sick December 31, 1899.

The funeral service was held at Forest Hill cemetery, where interment took place August 24. There were many beautiful floral pieces from his friends and former employer. His immediate relatives are all in Scotland and England except one brother in the west.

THE AMERICAN FLORIST

TWENTY-SECOND YEAR.

Subscription. $1.00 a year. To Europe. $2.00
Subscriptions accepted only from those in the trade.

Advertisements, on all except cover pages, 10 Cents a Line Agate: $1 00 per inch. Cash with Order.

No Special Position Guaranteed.

Discounts are allowed **only on consecutive insertions**, as follows - 6 times. 5 per cent: 13 times, 10 per cent: 26 times. 20 per cent: 52 times. 30 per cent.

Space on front pages and back cover page sold only on yearly contract at $1.00 per inch. net.

The AMERICAN FLORIST Advertising Department is for florists seedsmen and nurserymen and dealers in wares pertaining to those lines only.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Monday to secure insertion in the issue of the same week. Address

AMERICAN FLORIST CO., Chicago.

When sending us change of address always send the old address at the same time.

We do not assume any responsibility for the opinions of correspondents.

THIS ISSUE 48 PAGES WITH COVER.

CONTENTS.

The Dayton convention (illus.).....259
—Friday's proceedings 259
—The date of the convention 259
—Convention echoes 260
—Additional trade exhibits 260
—The ideal private gardener.....260
Present status of the peony.....263
Forcing sweet peas in winter.....266
Cacti at the Missouri Botanical Garden (illus.) 266
Massachusetts Horticultural Society.268
Gunnar Teilmann abroad 268
St. Louis 268
Toronto 269
New Orleans 269
Obituary—Wm. McMillan (portrait).269
The American Carnation Society...270
The violet gall fly 270
Coming exhibitions 270
Meetings next week 271
Ants on lawns 272
Chicago 274
Kansas City 274
Philadelphia 276
Boston 276
Pittsburg 276
New York 278
Washington 278
The seed trade 282
—J. Chas. McCullough fishing in California (illus.) 282
—Boston 282
—Wisconsin pea crops 282
—Lawrence, Kans. 283
The nursery trade 284
—Peonies and their uses (illus.)....284
—American Cemetery Superintendents 284
Louisville 288
Newport, R. I. 288
Montreal 288
San Francisco 288
Omaha (illus.) 288

THE Herendeen Mfg. Co. has just issued a booklet giving some handy tables and lists.

CONVENTION PHOTOGRAPHS.—A. L. Bowersox, 137 South Main street, Dayton, O., advises us that he can supply copies of the convention group photograph in two sizes, that 16x20 inches at $1.50 per copy and the smaller size $1.

LORD & BURNHAM Co., the well known greenhouse designers and manufacturers, 1133 Broadway, New York, have issued a very attractive illustrated pamphlet entitled "The Pleasure and Profit of Cold Frames." There is in it a large amount of information pertaining to cold frames condensed into small space and all those who grow plants under glass will do well to send for a copy of this brochure to learn of the many ways in which the cold frame can be made to serve the grower, large or small, of tender stock.

The American Carnation Society.

At the meeting of the executive committee of the American Carnation Society, held at Dayton, August 22, all the members of that committee were present except J. F. Wilcox of Council Bluffs, Ia. At this meeting the last year's premium list was adopted, and it was decided that papers were to be read at the Toronto convention, which will be held next January, on the following subjects: "Greenhouse Construction," "Are There Too Many Carnations Introduced?" "American Carnations Abroad," and "Carnations From a Canadian Point of View." The authors of these papers will be announced later.

The Violet Gall Fly.

ED. AMERICAN FLORIST:—

Please describe the gall fly that troubles the violet and give preventive of the trouble if there is any.

A. SUBSCRIBER.

Poughkeepsie, N. Y.

The gall fly is a minute, slender and delicate two-winged fly, measuring about one-twentieth of an inch in length. It has long and slender legs and antennæ. The larva or maggot, which is usually found folded up in the leaf of a violet in such a manner as to bring the upper surfaces together in what has been termed a gall, is a minute, legless creature of a whitish or yellowish color. After the formation of the gall what is known as wet rot is apt to set in and destroy the leaves. This has the ultimate effect of dwarfing the plants and of arresting the development of the flower buds. Air-slaked lime, thrown into the crowns and allowed to reach the soil, would greatly lessen the injury. With this the best cultural condition possible should be maintained, such as good ventilation and a frequent stirring of the soil. The free use of Buhach, or Persian insect powder, at the time when the mature gall flies are seen flying about the greenhouse and upon the windows, would also be of considerable value in lessening their numbers. Hydrocyanic acid gas is another remedy that should prove effective.

Greenhouse Building.

Waterville, Me.—H. R. Mitchell & Son, one greenhouse, 40 x 200 feet.

Lenox, Mass.—Mrs. Geo. Westinghouse, one orchid house, 16 x 90 feet.

Woburn, Mass.—Lewis R. Jackson, one greenhouse.

Pascoag, R. I.—Amos F. Darling, one large greenhouse.

Findlay, O.—S. J. McMichael, greenhouse to cost $1,500.

El Paso, Ill.—El Paso Carnation Co., 20,000 feet of glass.

Washington, Pa.—Warrick Bros., one propagating house on cement foundation.

Lexington, Mass.—E. Wood, one new greenhouse, 34 x 195 feet.

Syracuse, N. Y.—Bard & Davis, one house; P. R. Quinlan & Co., some additions to plant.

North Bridgton, Me.—Chas. L. Chadbourne, one carnation house, 20 x 50 feet.

New Bedford, Mass.—Robt. Woodhouse, addition to greenhouse plant.

North Abington, Mass.—Sidney Littlefield, one greenhouse, 50 x 300 feet.

Pittsfield, Me.—A. J. Loder, one greenhouse.

Templeton, Mass.—Geo. W. Sutherland, one small greenhouse for violets.

Snohomish, Wash.—Fred Gall, an addition to greenhouse.

Rockland, Mass.—Sidney Littlefield, one greenhouse, 33 x 200 feet.

West Pittston, Pa.—Robt. Ellis, rebuilding greenhouses.

Princeton, N. J.—M. Taylor Pyne, four greenhouses.

Rockland, Mass.—Alvin Bates, addition to greenhouse.

Kirkland, Mo.—G. E. Ahner, one new greenhouse, 22x80 feet; A. G. Ahner, 2 greenhouses, 17x100 feet.

Warren, O.—Mrs. Geo. W. Gaskill, two new greenhouses in the spring; J. H. Adgate & Son, one propagating house.

Pittsfield, Mass.—John A. Spoor, one greenhouse.

East Mansfield, Mass.—John W. Conrod, one new greenhouse, 30 x 147 feet; also a 50-foot addition to another house.

East Palestine, O.—O. D. McArtor, one greenhouse.

Rockland, Mass.—Alvin Bates, an addition to greenhouse.

South Norwalk, Conn.—Robt. G. Hanford, one new greenhouse.

Stockbridge, Mass.—Dr. L. Bolton Bangs, one new greenhouse.

College Point, N. Y.—Mr. Finger, three new greenhouses.

Long Branch, N. Y.—Johnston Heating Co., several new greenhouses.

Jamestown, N. Y.—Lake View Rose Gardens, 45 new greenhouses, each 20 x 200 feet.

Atchison, Kans.—Mangelsdorf Bros., two new houses.

Dighton, Mass.—The Dighton Nursery Co., one new greenhouse 25 x 100 feet.

Coming Exhibitions.

(Secretaries are requested to supply any omission from this list.)

BOSTON, MASS., September 5-6, 1906.—Annual plant and flower exhibition Massachusetts Horticultural Society. Address Wm. P. Rich, Horticultural hall, 300 Massachusetts avenue, Boston Mass.

BOSTON, MASS., November 2-4, 1906.—Chrysanthemum exhibition Massachusetts Horticultural Society. Address Wm. P. Rich, Horticultural hall, 300 Massachusetts avenue, Boston, Mass.

CHICAGO, November 6-12, 1906.—Annual exhibition Horticultural Society of Chicago. Address Willis N. Rudd, Blue Island, Ill.

MADISON, N. J., November 1-2, 1906.—Eleventh annual flower show Morris County Gardeners' and Florists' Society. Address E. Reagan, Box 315, Morristown, N. J.

NEW HAVEN, CONN., November 6-8, 1906. — Annual exhibition New Haven County Horticultural Society. Address Thos. Pettit, 90 Prospect street, New Haven, Conn.

PROVIDENCE, R. I., November 9-10, 1906.—Chrysanthemum and carnation exhibition Rhode Island Horticultural Society. Address C. W. Smith, 27-29 Exchange street, Providence, R. I.

RED BANK, N. J., October 31-November 1, 1906.—Ninth annual exhibition Monmouth County Horticultural Society. Address H. A. Kettel, Red Bank, N. J.

SANTA BARBARA, CAL., October 17-18, 1906 — Chrysanthemum exhibit Santa Barbara County Horticultural Society. Address Thos. Poole, Santa Barbara, Cal.

TARRYTOWN, N. Y., October 30-November 1, 1906.—Eighth annual exhibition Tarrytown Horticultural Society. Address E. W. Neubrand, Tarrytown, N. Y.

WORCESTER, MASS., November 8, 1906.—Chrysanthemum exhibition Worcester County Horticultural Society. Address Adin A. Hixon, Horticultural hall, 18 Front street, Worcester, Mass.

Meetings Next Week.

Cincinnati, O.—Cincinnati Florists' Society, Jabez Elliott Flower Market, September 8, at 8 p. m.

Dayton, O—Dayton Florists' Club, 112 South Main Street, September 3.

Des Moines, Ia.—Des Moines Florists' Club, Iowa Seed Co.'s store, September 4, at 8 p. m.

Detroit, Mich.—Detroit Florists' Club, Cowie building, Farran and Gratiot avenues, September 5, at 8 p. m.

Hamilton, Ont.—Hamilton Gardeners' and Florists' Club, office of member, September 4, at 8 p. m.

Indianapolis, Ind.—State Florists' Association of Indiana, Commercial Club rooms, September 4, at 7:30 p. m.

Lake Forest, Ill.—The Horticultural Society of Lake Forest, Winter Club, September 4, at 8 p. m.

Louisville, Ky.—The Kentucky Society of Florists, September 4, at 8 p. m.

Milwaukee, Wis. — Milwaukee Florists' Club, Quiet House, corner Broadway and Mason street, September 6, at 8 p. m.

Minneapolis, Minn. — Minneapolis Florists' Club, Latham's Conservatory, 83 South Tenth street, September 7, at 8 p. m.

Montreal, Que.—Montreal Gardeners' and Florists' Club, Alexandria rooms, 2204 St. Catherine street, September 3.

New Orleans, La.—German Gardeners' Club, Fourth and Carondelet streets, September 5, at 8 p. m.

Newport, R. I. — Newport Horticultural Society, September 5.

Pasadena, Cal.—Pasadena Gardeners' Association, G. A. R. Hall, East Colorado street, September 7, at 8 p. m.

Philadelphia, Pa.—Florists' Club of Philadelphia, Horticultural Hall, Broad street, above Spruce, September 4, at 8 p. m.

Pittsburg, Pa.—Pittsburg and Allegheny Florists' and Gardeners' Club, 422 Sixth avenue, September 4, at 8 p. m.

Salt Lake City, Utah. — Salt Lake Florists' Club, Huddart Floral Co., 114 East Second South street, September 4.

Seattle, Wash.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Colorado street, September 4.

Utica, N. Y. — Utica Florists' Club, Hotel Martin, September 6, at 8 p. m.

Washington, D. C.—Washington Florists' Club, Schmidt's Hall, 516 Ninth street, September 4.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

Cash with Adv.

Plant Advs. NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1906 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

Situation Wanted—By first-class orchid grower and gardener, fully up-to-date; best of references. Address Key 755, care American Florist.

Situation Wanted—By first-class florist. Belgian; 29 years of age, married experienced; good references. Key 770, care American Florist.

Situation Wanted—By a rose grower of 17 years' experience; 7 years with the best growers near Chicago. Address Key 763, care American Florist.

Situation Wanted—By a young man, 7 years, experience grower of roses, carnations, 'mums and general greenhouse stock. Address Key 766, care American Florist.

Situation Wanted—If Mr. Thos McKenzie will communicate with the American Florist this week, we will be glad to hear from him. Address Key 768, care American Florist.

Situation Wanted—As foreman; a first-class grower of roses, carnations, 'mums, etc., capable of taking entire charge of a large plant and having the work done in a practical way; first-class references as to ability, etc. Address FLORIST, 127 N. Clark St., Chicago, Ill.

Situation Wanted—By a practical florist as foreman, 20 years' experience in growing roses, carnations, 'mums, palms, stove and bedding plants, also good designer; can furnish A1 references; German, married; age 34. Good wages expected. Please state full particulars in first letter. Address Key 771, care American Florist.

Help Wanted—General greenhouse man. Address Key 765, care American Florist.

Help Wanted—Carnation grower for section. Apply at R. WILL'S SONS, Minneapolis Minn.

Help Wanted—A good rose grower; $15 per week Address Key 769, care American Florist.

Help Wanted—Young man from 16 to 20 years of age, to learn the florist business. Apply to JOHN L. WYLAND De Haven Pa.

Help Wanted—A first-class carnation grower. Wages $45.00 to $50.00 per month; send references. HASKELL AV FLORAL CO., Dallas, Texas.

Help Wanted—An all-around florist, capable of growing stock for a retail store State references. W. L. ROCK FLOWER CO., Kansas City, Mo.

Help Wanted—One good nurseryman and good propagator wanted at our nurseries good wages to right man. VAUGHAN'S SEED STORE, Chicago.

Help Wanted—At once; capable man to take charge of 20,000 feet of glass in carnations; $50.00 per month to start. J. W. DUNFORD, Clayton, Mo.

Help Wanted—A first-class rose grower. State what wages you want and enclose reference in first letter. Address Key 764, care American Florist.

Help Wanted—A good grower to take charge, one to grow carnations roses, 'mums violets, etc., for the retail trade. Address, stating wages. Key 767, care American Florist.

Help Wanted—2 good greenhouse men who can grow roses carnations, 'mums and general stock; state experience and wages wanted. Permanent position. Aderess C. L. SHANKS, Newton, Kans.

Help Wanted—About October 1, all-'round gardener; private place, small greenhouse, but mostly outdoor work; must be sober, reliable and well recommended; $45 per month, room and fuel. J. S BAKER, St. Croix Falls, Wis.

Help Wanted—At our retail store, a young man with some knowledge of the business; must be honest and reliable; one who wants a steady situation; must have good reference and live on west side. OGDEN FLORAL CO., 848 W. Harrison St., Chicago.

Help Wanted—A man well up in the growing of roses and carnations to take charge of wholesale place of 20,000 feet of glass None but a man of experience and good habits need apply. Send copy of references and state salary expected. Key 772 care American Florist.

For Sale—Nine greenhouses, dwelling house and barn, 3½ acres of ground. For particulars address P. O. Box 109, Newtown, Bucks Co., Pa.

For Sale or Rent—Store and five small greenhouses with or without dwelling, on street car line; only florist in town; cause sickness. 548 119th St., West Pullman, Chicago.

For Sale—Glass, 10 x 12, double strength A. Great bargain for the lot. Address BRANT & NOE FLORAL CO., W. Peterson and N. 48th Aves., Chicago., Ill.

For Sale—5,000 feet of 3½ and 4-inch boiler flues with couplings, 16 to 18 feet long, at 8c and 9c per foot; ells and tees half price; also two special made water jacket boilers, each able to heat 4,000 to 5,000 feet of glass; cheap if sold at once; can ship by rail or water. Address GEO. VATTER, Marinette, Wis.

FOR SALE.

At a sacrifice, greenhouse well stocked and long established business of the late J. P. Coen, Lexington, Mo one of the best paying little businesses in the country and in perfect condition; no competition within 30 miles. The place consists of 3 greenhouses 85x20, 1 lean to and cold frames, 1½ acres of ground, an excellent 7-room house, with all modern conveniences, steam heat, electric light, etc., out-houses, good barn, laundry, chicken houses etc. The entire place is lighted with electric light, heated with self-regulator steam boiler, and city water throughout the grounds and houses. Good wholesale trade as well as retail. Lexington is noted for its colleges and schools; one boys' military academy, two girls' colleges and a number of minor schools, all of which keeps the cut flower business very brisk during the school season. The place can be bought for $6,500, which amount wouldn't pay for the improvements; $2 000 cash, balance to suit. For further information address ARTHUR NEWELL, 12th & Baltimore Aves., Kansas City, Mo.

For Sale—Worthington duplex steam pump, capacity 30-40 gal. per minute in good condition, $45 00; No. 1 receiver and fittings for pump, good as new $50.00. Dean pump for hand or steam, almost new, $20.00; 6-inch pressure regulator, used two seasons, $50.00; 2½-inch pressure regulator, $18.00. Carnation supports $15.00 per 1000; $125.00 for 10,000. JAMES W. DUNFORD, Clayton, Mo.

HELP WANTED.

Grower of miscellaneous stock, principally tea roses and carnations, for a public institution with about 15,000 feet of glass and plenty of outside ground; position pays $40.00 per month with room and board. Send full particulars to

Key 752, care American Florist.

FOR SALE.

4,500 Carnation Supports

Galvanized wire, 24 inches high, two 8-inch rings, used two years, at $10.00 per 1000. Free sample by mail.

JOHN C. HOWARD, R. F. D. No. 2, Sta. D MILWAUKEE, WIS

FOR SALE.

All or part interest in a good 8-house greenhouse plant at Des Moines, with 3 acres of ground. Good foreman there will retain working interest.

VAUGHAN'S SEED STORE
CHICAGO.

BOILERS.

One 80 H. P., one 40 H. P., return tubular; one 32 H. P. upright tubular, for sale at buyer's price. Must be moved at once. Address

1416 Washington Ave.,
PHILADELPHIA.

GLASS.

We have for sale a lot of 16x18 glass A. & B. D. S., at a low price.

A. DIETSCH CO.,
617 Sheffield Ave., CHICAGO.

GLASS FOR SALE.

We have for sale a quantity of A. and B. double thick, Pennsylvania hand made, tank glass, all of which runs exceptionally uniform in quality and thickness. Terms cash. Inquiries solicited.

King Construction Co.
NORTH TONAWANDA, N. Y.

FOR SALE.

Two 75 H. P. Horizontal Tubular Boilers.
In Good Condition.

Dimensions, each 60 inches in diameter by 14 feet, 3 inches long; containing 92 tubes 3 inches diameter by 13 feet long.

Made by Roberts Iron Works Company, Cambridgeport, Mass.

Ten (10) years old. Copy of latest inspection report can be forwarded. Boilers must be removed during this summer. Price $400.00. Arrangements for delivery can be made according to conditions

ISAAC COFFIN COMPANY,
52 Sudbury Street, : : BOSTON, MASS

Ants on Lawns.

ED. AMERICAN FLORIST:—

What are the best means of ridding lawns of ants?

New Jersey. W. L. H.

See answer to W. B.

Ants in Roses and Lawn.

ED. AMERICAN FLORIST:—

Kindly let me know through your valuable paper what is the best way to get rid of ants which are infesting the roses and a new made lawn.

North Carolina. W. B.

Excellent success has been had in destroying ants with the use of bisulphide of carbon applied in their nests. Pour an ounce or two of this into each of a number of holes made in the nest with a stick, promptly closing the holes with the foot. The bisulphide penetrates through the underground tunnels and kills the ants in enormous numbers, and, if applied with sufficient liberality, will exterminate the whole colony. Large colonies of ants may frequently be uncovered on turning over stones in yards or lifting flagging in paths. Drenching such nests with boiling water or saturating them with coal oil are effective means of abating the nuisance.

PITTSFIELD, MASS.—Although a fortune of $2,000 awaits John Nettleton, of Norfolk, Conn., if he will come to this city to get it; he has so far refused to come. The fortune came from the estate of his brother who died years ago.

VIOLETS California, Swanley White

Extra fine, bushy field clumps, $5.00 per 100; $45 00 per 1000.

Begonia Rex Best named, 2½-inch and 3-inch, $5.00 per 100.

NATHAN SMITH & SON,
Adrian, Mich.

GOV. HERRICK THE COMING VIOLET

One that produces three times as many flowers as any violet ever offered for sale. It will please you. Order at once. Prices: $2.00 per doz.; $10.00 per 100; $75.00 per 1000; 5,000 or more at $60.00 per 1000. Send for description today.

H. R. CARLTON, Willoughby, O.
INTRODUCER and ORIGINATOR.

SUPPLIES FOR
WESTERN FLORISTS.

We carry a full assortment and can save you time and money.

Ask For Price List.

The Barteldes Seed Co.
DENVER, COL.

PANSIES.

Brown's Extra Select Superb Giant Prize Pansies.

Awarded silver medal St. Louis Exposition, 1904.

Plants, mixed colors, in any quantity, $2.00 per 1000. Cash with order.

PETER BROWN,
LANCASTER, PA.

New Crop Dagger and Fancy Ferns
$1.00 per 1000.
FOR EVERY OCCASION.

HARDY CUT DAGGER and FANCY FERNS, per 1000..1.00
Discount on large orders
BRILLIANT BRONZE and GREEN GALAX, per 1000.. 1.00
10,000 lots $7.50.
BOUQUET GREEN, per hundred yards..... 7.00
LAUREL FESTOONING, good and full, 5c to 6c per yard
LAUREL WREATHS, per dozen..... 3.00
BRANCH LAUREL, per bunch.....$ .50
BOXWOOD, per pound..... .20
LEUCOTHOE SPRAYS, per hundred..... 1.00
GREEN and SPHAGNUM MOSS, per barrel 1.00
LYRATA, which makes a fine substitute for decorations for June.

Also headquarters for all Florists' Supplies, such as Milkweeds, Wire Designs, Cut Wire, all kinds of Letters, Immortelles, Cycas Leaves, sheaves of Wheat, Ribbons, Corrugated Boxes of all kinds, etc.

HENRY M. ROBINSON & CO., L. D. Phone 7618 Main. 8 to 11 Province St., Boston, Mass.

Extra Fine New Crop **FANCY FERNS** $1.00 per 1000
Discount on large orders.

GALAX.....per 1000, $1.25

Send for our weekly price list on Cut Flowers. Let us have your standing order for Ferns; will make price right all through the season.

MICHIGAN CUT FLOWER EXCHANGE
WM. DILGER, Mgr. 38 and 40 Broadway, formerly Miami Ave., DETROIT, MICH.

Nephrolepis Scottii.

Small plants from the benches, $5.00 per 100; $50.00 per 1000. Plants large enough for 6-inch pots, $25.00 per 100. Plants large enough to go in 7 and 8-inch pots, $50.00 per 100.

Asparagus Plumosus Nanus, 2¼-inch, fine plants, $3.00 per 100.

JOHN SCOTT,
Rutland Road and East 45th Street, BROOKLYN, N Y.
Telephone 2890 Bedford.
Please mention the American Florist when writing.

SMILAX
2-in., strong, $1.50 per 100; $12 50 per 1000.

'MUMS.—The very best named vars., 2-in., $2.00 per 100; $18 00 per 1000.

ROSES, Brides.—Very strong, 3-in., equal to 4s, $4.00 per 100; $35.00 per 1000.

GERANIUMS—Best named vars., 2½-in., $2.00 per 100; $18.00 per 1000.

C. HUMFELD, Clay Center, Kan.

Lilium Harrisii
FOR XMAS FORCING.

Well ripened and carefully graded bulbs.

5 to 7 Inches,
per 100.....$4.50; per 1000.....$40.00

VAUGHAN'S SEED STORE,
84-86 Randolph St., CHICAGO. 14 Barclay St., NEW YORK.

Le Journal des Roses.
Organ of the French Rosarians.
Published at Paris. Once a month with colored plates.
Subscription $2.70 per Year. Sample Copies Free.

ADMINISTRATION DU SUISNES **JOURNAL DES ROSES**
a SUISNES, Brie
a Grisy-Suisnes. (Seine et M FRANCE.
Please mention the American Florist when writing.

Ferns

from bench, Boston and Piersoni, 4-inch, 10c.; 5-in., 12½c. Tarrytown, 3-inch, 10c.; 4-inch, 15c; 5-inch, 25c; Scottii, 3-inch, 8c; 4-inch, 12½c; 5-inch, 15c.

PRIMROSES.

Chinese, mixed, 2-inch, 2c.; Obconica, Grand Fimbriata, Alba, Rosea, Hybrida, $2 00 per 100. Obconica, Double and Sanguinia, $3.00 per 100.

Jerusalem Cherries, 2½-inch, $2.00 per 100.

FLOWERING BEGONIAS, 8 kinds, 2-inch, 2½c.

ASPARAGUS PLUMOSUS NANUS and SPRENGERI, 2-inch, 2cts.

Cash or C. O. D.

BYER BROTHERS,
CHAMBERSBURG, PA.

RICE BROTHERS,
113 N. SIXTH ST.,
MINNEAPOLIS, MINN.

We are now settled in our new quarters, and our facilities for handling Cut Flowers and Florists' Supplies cannot be surpassed, which makes us in a position to handle your business to the best of advantage—shipping trade especially. The Cut Flower market is in good shape for the summer months; receipts of roses good and stock choice, comprising Liberty, Richmond, Moulton, Chatenay, Maids and Brides. Asters of first-class quality. Dahlias, and greens of all kinds. Wild Smilax on hand the 1st of September. We solicit your patronage.

SOMETHING NEW Branches of the Huckleberry Tree.

A most elegant decorative green. It is largely used by florists of the Pacific Coast, Washington and Oregon in decorations. The branches are flat, very thickly furnished with exceedingly lustrous, green leaves, and it seems to adapt itself to almost any position in decoration that the Wild Smilax can be used in.

New crop Hardy Ferns, now ready. Fancy $1.25 per 1000; Dagger, $1.00 per 1000.

CALDWELL, the Woodsman, EVERGREEN, ALA.

Southern Smilax

Now Ready in limited quantities for immediate use.

Everything worth while in Southern Evergreens.

EDWARD A. BEAVEN,
Evergreen, Ala.

THE RIBBON HOUSE

SCHLOSS BROS.

533 BROADWAY, - - NEW YORK.

Headquarters for Florists' Ribbons, Chiffons and Novelties.

Highly Commended at the Dayton Convention of the Society of American Florists.

No "Baiting" Advertising Rates.

WE have received several requests lately to insert trial advertisements free of charge "as other trade papers offer."

We wish to state that

THE AMERICAN FLORIST

has nothing to offer free of charge or at cut rates. We have no privileged customers.

We give advertisers full and overflowing value, and that is all any honest advertiser needs.

Advertisers are paying double for so-called cheap advertising in useless correspondence.

THE AMERICAN FLORIST

readers are buyers who pay their bills.

American Florist Company

CARNATIONS, field-grown

	Per 100		Per 100
2000 Queen Louise, large	$5.00	300 Kohinoor, large	$4.00
2000 Pr'sp'rity large	5.00	600 Frances Joost, large	4.00
500 Lady Bountiful, medium.	7.00	200 Gov. Wolcott, large	5.00
1500 Harlowarden, large	5.00	100 Her Majesty, large	5.00
300 America, large.	5.00	300 Estelle, small	5.00

C. H. FREY, Lincoln, Neb.

LARGEST STOCK OF ALL

Belgian Plants.

AZALEAS. ARAUCARIAS, SWEET BAYS, PALMS, BEGONIAS, GLOXINIAS, ETC.

Louis Van Houtte Pere,
GHENT, HELGIUM.

Carnations.

	Per 100	Per 1000
5,000 Enchantress	$5.00	$45.00
5,000 Mrs. Thos. W. Lawson	4.50	35.00

ELI CROSS, Grand Rapids, Mich.

WATCH US GROW.

Araucaria Excelsa

The Best of All Decorative Plants Nature Produces

OUR SPECIALTY.

Every man in business and life to be successful must adopt one thing as his specialty, and that specialty, whatever be select, of whatever nature it may be, he must guard, study and push to such an extent that it not only benefits himself, but he must conduct it so that everyone who seeks his aid, service or his article, which he advertises or practices, will share a slice of his activity and prosperity. I made the importation and cultivation of Araucarias as a special study in my life. The figures below will show my success in business: In the first year I commenced with an importation of 250. In the eleventh year now, 1906, my importations have grown up to 6,000 (come and see it), and on account of the Araucaria growing yearly more in favor by the plant consuming people all over the country, as a much admired decorative plant for the parlor, bed, dining and sitting room, stores, hotels, lawns and porches the outlook will be for an importation at least of 8,000 to 10,000 in spring of 1907. To secure this vast amount for 1907, I am now on the ocean, per steamer New Amsterdam, leaving Hoboken Aug. 15, striking for Belgium, making contract for next year, 1907. I also shall at the same time bring over with me a large lot of choice Azalea Indica and Palms, etc., for Christmas and Easter flowering. No money will be spared in obtaining for my customers the cream of the Belgium greenhouses only.

Please note lowest prices now going on for August and September:

Araucaria Excelsa.

12 to 14 in. high, 5½-in. pots, 3 to 4 trs., 2 yr. old. $ .50
12 to 14 in. high, 5½-in. pots, 3 to 4 trs., 2 yr old. .60
16 to 18 in. high, 5½ to 6 in. pots, 3 to 4 trs., 3 yr. old .75
18 to 20 in. high, 6-in. pots, 5 to 6 trs., 4 yr. old,. 1.00
20 to 24 in. high, 6-in. pots 5 to 6 trs., 4 yr. old.. 1.25
36 to 50 in. specimen, 7-in pots, 6 yr. old, $2.50 to 3.00

Araucaria Compacta Robusta, have 1000 of them, never were so nice as this year. Plants are as broad as long from 12 to 20 in. in height, 3 to 4 perfect tiers, 20 to 30 in. wide across from one tip of tiers to the other, 3, 4 and 5 years old, 6 to 7-in. pots $1.25, $1.50, $1.75, $2.00, up to $3.00 each.

Araucaria Excelsa Glauca, are perfect jewels in shape and size: their beautiful green-blue tiers make them of such a striking appearance that everybody seeing them must fall in love with them on sight, and cannot help it. Plants, 6 to 7 in. pots, 3, 4 and 5 perfect tiers, 15 to 25 in. in height, from 15 to 30 in. across, $1.25 $1.50, $1.75, $2.00 to $2 50 each.

Please bear in mind these mentioned varieties are the cream of Belgium importations. We have thousands of them: can meet all demands.

Kentia Forsteriana, 6-in. pots, 35 to 40 in. high, 5 to 6 leaves, 4 years old, $1.25 to $1.50; 30 to 35 in. high, 4 years old, 6 in. pots, $1.00; 5½-in. pots, 25 to 30 in. high, 3 years old, 75c; 4-in. pots, made up with three plants, 18 to 20 in. high, 25 to 30c. **Belmoreana,** 6 in. pots, 4 years old, 5 to 6 leaves, bushy, 30 to 35 in. high, $1.25; 5½ to 6 in. pots, 3 years old, 5 to 6 leaves, 75c to $1.00 each. Above are the sizes entered in the custom house. **Kentia Forsteriana,** 7-in. pots, made up plants, on elarge in center, three smaller sizes, about 22 to 24 in. high, price $2.00 each.

Nephrolepis Barrowsii, 6-in., large, ready for 7-8 in. 50c; 4-in., large, 25c.

Nephrolepis Scottii, 6-in. pots, large, ready for 7-8 in., 50c; 5½-in., 40c; 5 in., 35c; 4-in., 20c to 25c.

Boston Ferns, 4-in., 20c to 25c; have them by the 1000.

Asparagus Plumosus Nanus, 3-in., 6c; 4-in., 10c.

Cycas Revoluta or **Sago Palm,** 6 to 7 in. pots, 7 to 20 leaves, 10c per leaf.

Cocos Weddelliana, 15c.

Areca Lutescens, made up plants, 4-inch pots, 5c.

Solanum or **Jerusalem Cherries,** 2½-in., per 100, $5.00; the same varieties as we sell at Xmas. for from 75c up to $1.00 each.

Ficus Elastica, Belgian importation, 6-in. pots 50c each.

Ferns. A fine assortment of Ferns for dishes large, bushy, out of 2½-inch pots $5.00 per 100; 3-inch, 7c each.

All goods must travel at purchaser's risk. Cash with order, please.

OUR LITTLE PETS.

By Aschmann, in Philadelphia, I bought
An Araucaria, a pet for our little girl –
Now we have two pets, the pride of our thought,
The little girl so sweet a head full of curls.
And the Araucaria with their everlasting green—
A more joyful home you never have seen.

GODFREY ASCHMANN, Importer and Wholesale Grower of Pot Plants, 1012 Ontario St., PHILADELPHIA, PA.

Please mention the American Florist when writing.

Chicago.

TRADE ENLIVENED BY WEATHER.

The market is again assuming a prosperous appearance under the influence of the icy weather which followed the torrid wave of the preceding week. To use a slang expression, "wholesalers are beginning to sit up and take notice." Retailers from various parts of the city drift in more frequently and their chats are shorter in duration. Clerks are again busy with boxes and bookkeepers find no time for social intercourse. Stock of all kinds is arriving freely, and in excellent condition, as a whole. The variety of roses on the market this week is a trifle more extensive than usual. Some fine long-stemmed American Beauty is to be had in a dozen different establishments; Bride, Bridesmaid, Killarney, Kaiserin, Ivory and Chatenay are not overabundant, but enough is available to supply all demands. As a whole, the rose situation is quite good, as nearly all stock is excellent, moves well and brings normal prices. Carnations also show a decided improvement. Although still small in flower, the material is good and sells well. There is a good deal of long-stemmed stock on the market, with the red varieties predominating. Enchantress and Boston Market are somewhat scarce and good figures are realized from their sale. Asters are over-plentiful. It would seem that the influx of these flowers would never cease. The material has improved a trifle in quality and size, but owing to the superabundance of these blooms, they move very slowly. Sweet peas are scarce and sell well. Outdoor flowers arrive in good condition, but are sold in small quantities at indifferent prices.

NOTES.

The windows of the Eaton Floral Co. are objects of much interest because of an exceedingly attractive window display arranged by the company's new decorator, C. H. Grant. By a skillful blending of earth, rocks, ferns, bark, and Japanese dwarf plants, an excellent imitation of a Japanese landscape is obtained. In the center of the scene is a tiny glass lake, studded with grass growing heads and surrounded by paths of white stone which lead down to the water. The entire landscape is dotted by Japanese dwarf plants, many of them 60 years old, growing from large stones. From the jungle seen in the extreme background, through the canebreak which marks its approach, and amid a labyrinth of pebbles, ferns and bark, a clay elephant can be seen dashing down to the lake. Japanese figures, clad in native costume and a straw house lend an air of life and action to the scene.

There are various ways of becoming famous; invent a hair-restorer, face lotion or organize a religious cult, and your name will be lauded from sea to sea. But probably Geo. Scott, of Winterson's, knew a short cut when he bowled 93 in the second game of the finals at Dayton last week. A dozen wholesale houses are displaying mammoth placards which bear the following inscription: "Dayton, O. Great Scott! 93-70=23. Skidoo." And, by the way, Scott is now visiting in Dayton.

L. P. Davis and wife, Mobile, Ala., were among our visitors last week. Mr. Davis attended the convention and visited, some of our leading commercial establishments. The itinerary of the genial southerners includes Buffalo and New York, returning home from the later city by steamer.

Illinois Central railroad landscape gardeners who are traveling over the system in search of ideas and information relative to their work, passed through this city last week. Several of them stopped over a few days to visit friends.

Police Sergeant Carey has been suspended 10 days and fined 10 days' pay for locking up and holding in jail 24 hours August Gutzloe, an aged gardener, because he sought to make a complaint to the desk sergeant.

H. E. Phillipot left last week for Toronto where he will attend the convention. He will then return to his home in Winnipeg which he left two months ago.

The Schiller estate reports large sales of cut flowers for funeral purposes last week, as the death rate caused by the hot weather is said to have been very high.

Percy Jones seems to have been the sweet pea man for the past few weeks. He is receiving several thousand daily, which he says are sold out early in the day.

Frank Neiglick died August 24, at the Lakeside hospital. Blood poison is given as the cause of his demise, which occurred very suddenly.

Wm. Kalisch and wife of St. Louis, Mo., were recent visitors returning from Toronto. They are now spending a few days in Wisconsin.

There have been many visitors in the city during the week, most of them returning from Dayton or extending their convention trip.

Weiland & Risch are opening the season by some heavy cuts of choice roses. They are bringing in a fine lot of Killarney.

R. H. Warder, superintendent of Lincoln park, who has been ill for some time, is now able to attend to business.

Vaughan's Seed Store is showing good blooms of two excellent new asters, Hercules and Unicum.

Peter Reinberg and a party of friends left this city last week for a fortnight's hunting in Minnesota.

Miss Tonner of the A. L. Randall Co. left Liverpool, England, on her way home August 27.

Edw. Amerpohl left this city August 26 for his home in Janesville, Wis.

Visitors: C. E. Newbury, Mitchell, S. Dak.; H. Roth, La Fayette, Ind.; L. Henderson, Omaha, Neb.; U. J. Virgin and wife, New Orleans, La.; O. L. Baird, Dixon, Ill.; Mr. Swoboda, of Hess & Swoboda, Omaha, Neb.; and Miss Buel, daughter of Peter Buel, New Orleans, La., A. L. Barnett, representing Reed & Keller, New York; Emil Schloss, of Schloss Bros., New York.

KANSAS CITY, MO.—We have had a postal card from Arthur Newell, of this city, who is prospecting in New Mexico, and he says it is a great country.

MILWAUKEE, WIS.—Employes of Holton & Hunkel Co. and Currie Bros. Co. played a game of baseball last week, the former team being victorious. Score 10 to 12.

Kansas City.

BUSINESS VERY QUIET.

Market conditions remain practically unchanged. Roses are improving some, still few are to be had that are worthy of the name. Carnations are very poor and scarce. Asters are plentiful and some very fine ones are to be had. Although there has been quite a little funeral work in some quarters this week the stores generally report business as very quiet.

NOTES.

A miniature cloudburst on Wednesday morning, six inches of water falling in less than three hours, caused considerable damage about the city. Two sewers near Elmwood cemetery burst, flooding the lower part of the cemetery with 10 feet of water.

J. E. Meinhart, who is opening an up-to-date store in Leavenworth, Kan., was in the city placing orders for decorative plants and supplies. The first item on his list was a subscription for THE AMERICAN FLORIST.

Miss Peterson, of the Miss Peterson Co., who has been very sick for the past month, is improving but it will be some time before she will be able to resume her duties at the store.

J. M. Kessler and wife, of Topeka, stopped over on their way home from Chicago.

Miss Lou Boggess, of Freudenthal's force, is spending her vacation in Colorado.

A. Newell left Wednesday for the Pan Handle, Texas, on a business trip.

Mangelsdorf Bros., of Atchison, Kans., are building two new houses.

K. C.

Columbus, O.

THE MARKET.

The long continued hot weather has made it almost impossible for local florists to obtain or keep any great supply of good roses. If it were not for gladioli and asters, the florists would be decidedly "up a stump." Asters are holding out well. There is a good supply and a demand that is entirely in accordance with the supply. Some fine gladioli have been received during the past week. The spikes are large, well formed, and the variety of colors is splendid. At the present writing the hot weather has just broken. The thermometer has dropped about 8°, much to the relief of the trade.

S. T. Stevens and son, Gus Drobisch, John R. Hellenthal, C. A. Roth, and Messrs. Knopf, Ludwig, Bauman, and Seibert attended the convention last week.

CARL.

DENTON, TEX.—Miss Herta A. Toeppen, of St. Louis, Mo., has been appointed instructor in floriculture at the School of Industrial Arts for Young Women, assuming the duties of the position September 1.

Bassett & Washburn
76 & 78 Wabash Ave., CHICAGO,
Wholesale Dealers and Growers of Cut Flowers
GREENHOUSES: HINSDALE, ILL.

E. H. Hunt,

WHOLESALE

Cut Flowers

"THE OLD RELIABLE."

76 Wabash Ave., ...CHICAGO.

Please mention the American Florist when writing.

E. C. AMLING

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

32, 34, 36 RANDOLPH ST.,
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Please mention the American Florist when writing

WEILAND-AND-RISCH

Wholesale Growers and Shippers of
CUT FLOWERS
59 Wabash Ave., CHICAGO
'Phone Central 879
Write for our wholesale price list.

WHOLESALE FLORISTS

Please mention the American Florist when writing

Jensen & Dekema

CARNATION SPECIALISTS

674 W. Foster Ave., CHICAGO.

Please mention the American Florist when writing

SINNER BROS.

WHOLESALE CUT FLOWERS
60 Wabash Ave., Chicago.
Careful attention to all
SHIPPING ORDERS.

Please mention the American Florist when writing

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty.....

WHOLESALE GROWER of CUT FLOWERS

Chas. W. McKellar

51 Wabash Ave.,
CHICAGO.

ORCHIDS
A Specialty,

Fancy Stock in VIOLETS, VALLEY, ROSES BEAUTIES, CARNATIONS and a full line of all Cut-Flowers Greens, Wire-Work and FLORISTS' SUPPLIES.

Send for Complete Catalogue.

Wholesale Flower Markets

CHICAGO, Aug. 30.

Roses, Beauty, 30 to 36-in. stems		4 00
" " 20 to 24 "	2.50@	3.00
" " 15 to 18 "	1.50@	2.00
" " 12 "	.75@	1.00
" Liberty, Chatenay	3.00@	6.00
" Bride, Bridesmaid	3.00@	6.00
" Golden Gate	3.00@	6.00
" Killarney, Richmond	4.00@	10.00
Carnations	1.00@	1 50
" fancy		2.00
Lily of the valley	2.00@	4.00
Harrisii lilies ..... per doz. $1.50		
Asparagus plumosus, per string 35 to 50c.		
" " .35@ 1.00 per bu.		
" Sprengeri	2.00@	4.00
Galax leaves ..... per 1000, $1 25		.15
Adiantum	.75@	1.00
Fancy ferns .... per 1000 .... 1.50		
Smilax ..... per string, 10c @12½c		
Sweet peas		.50
Asters	1 50@	2.00
Auratum lilies ..... doz.. 1.50		

Poehlmann Bros. Co.

Wholesale Growers of
and Dealers in Cut Flowers.
All telegraph and telephone orders given prompt attention.

Greenhouses: MORTON GROVE, ILL.

35-37 Randolph St., CHICAGO.

WIETOR BROS.,

Wholesale Growers of Cut Flowers

All telegraph and telephone orders given prompt attention.

51 Wabash Ave., CHICAGO.

J. B. DEAMUD CO.

Wholesale Cut Flowers,

51 and 53 Wabash Ave., CHICAGO.
Long Distance Phone Central 3155.
Consignments of Choice Flowers Solicited.

The Geo. Wittbold Co.

1657-1659 Buckingham Place, CHICAGO.

The only retail florist in Chicago who grows his own cut flowers.

FUNERAL WORK ORDERS, OUR SPECIALTY.

Be your own Commission Man

THE
FLOWER GROWERS' MARKET
furnishes the facilities.
See PERCY JONES, Mgr.
60 Wabash Ave., CHICAGO.

Vaughan & Sperry,

Wholesale Florists,

58 and 60 Wabash Ave., CHICAGO.

WRITE FOR SPECIAL PRICES.

Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO.
Telephone, Central 3284.

Please mention the American Florist when writing.

PETER REINBERG

Grower and Wholesaler of Cut Flowers.

1,200,000 feet of glass
Headquarters for American Beauty.

51 Wabash Ave., CHICAGO.

Always mention the American Florist when you order stock.

KENNICOTT BROS. COMPANY

40-42-44 Randolph St., CHICAGO.

Our reputation has always been that we fill orders when others fail. All stock in season at Lowest Market Rates

THE BENTHEY-COATSWORTH CO.

35 RANDOLPH ST. WHOLESALE FLORISTS CHICAGO.

Philadelphia.

THE MARKET.

Business the past week has been very dull and there are plenty of flowers for all that is doing. American Beauty and other roses are improving and are, we believe, in better shape for the season than we have ever seen them. Asters and gladioli are still overstocked, only the best grades bringing satisfactory figures. Dahlias are now coming to market in good shape, but prices are low, $1 to $1.50 being the prevailing prices.

NOTES.

We are happy, we are more than happy. We are satisfied beyond measure. We succeeded beyond our most sanguine expectations. First, thanks to silver tongued Robt. Craig, who presented the invitation and advantages of the city in such a convincing manner and who was so ably seconded by John Westcott with his heart to heart speech, this city won the coveted prize, the convention of 1907. Then sturdy John Westcott, against his strenuous protest, was elected vice president. As if this were not enough our five good men and true won the bowling match, carrying off the beautiful Beatty cup, which now belongs to them, and the custody of the Kastings trophy which confers the championship for the year of 1906. Then the exhibits of the plant and supply men of this city were far and away ahead of those of any other city. All this is pretty good for slow Philadelphia. The boys reached home on Saturday and barring the heat, which they seemed to feel considerably, said they had a splendid time. Mr. Westcott stated that more business was transacted and more real work done than at any previous meeting. The presentation of the prizes at the Algonquin on Wednesday evening was an occasion that none who attended will ever forget. Mr. Beatty, although he had done so much for bowling with his generous offering of such beautiful cups, would have it that he be also host on this occasion. After he presented the trophies the large cup was filled and passed around, each person adding his word or song to gladden the hour. Robt. Craig was in fine fettle, his humorous arraignment of Deacon Harris being in his best vein. He also sang several songs.

Brother Carmody, now that he has President Roosevelt coming his way on the spelling question, should feel highly gratified that his efforts in this direction have at last produced such good results. Perhaps he may also persuade him that his "bilers and other contrapshuns" are just the thing for the White House conservatories and thus kill two birds with one grate bar.

The first Tuesday night in September will be a great gathering of the club and the ball will then be set rolling for the event in the history of the society.

S. S. Pennock is spending a couple of weeks at Ocean City, where yachting and fishing are excellent.

Chas. Meehan and wife are visiting relatives in Ohio. K.

DIGHTON, MASS.—The Dighton Nursery Co. is building a new greenhouse 25 x 100 feet.

Boston.

TRADE INDIFFERENT.

The market of the past week has been the most deplorable of the summer season. Some mornings there were but 10 or a dozen buyers in the market. The growers had an abundance of stock, a great deal of which was of poor quality. Yet the average amount of the better grades had a hard time moving at any price. Outdoor flowers of all kinds are coming to market in large quantities, including lilies, gladioli and branching asters of the Semple type. The asters are good varieties and fine flowers. Carnations of the new crop are more plentiful, with the colored varieties predominating. Sweet peas, while there are but very few in the market, are improving in quality. There are plenty of roses to be had with Kaiserin, Carnot, Killarney and American Beauty still holding the lead. The new crop of Bride and Bridesmaid are fair flowers but of short stem. The lily of the valley and gardenias used at the retail stores are coming mostly from outside sources. Sweet peas this summer have been a failure to both grower and retailer, due mostly to the fact of there being so much changeable weather. At this season last year the market was overburdened with them. This year there has not been a sufficient supply to meet the demand. The quality has been poor and short stemmed and after remaining in the stores two or three hours they do not look very inviting.

NOTES.

Owing to the prolonged and serious illness of City Forester Wm. J. Doogue, Mayor Fitzgerald deemed it necessary to appoint an acting superintendent. With great wisdom he selected one Chas. Logue, whose qualifications for the position seem to be his entire lack of knowledge of the business. His former occupation was that of a carpenter and builder, also a member of the schoolhouse commission. It is very humiliating to the trade and public in general that the mayor could not see fit to appoint the late acting superintendent or one of his assistants until such time as Mr. Doogue shall recover or a permanent man is appointed.

Houghton & Clark of this city furnished the floral decorations for the weddings of Miss Emily Sargent and Baron Ludwig Knoop, and Miss Naneen C. Mitchell and Quincy A. Shaw, Jr., celebrated August 25, at Magnolia, Mass. Killarney roses and hardy hydrangeas predominated at the Sargent decoration, while Lilium lancifolium and hydrangeas were used profusely at the Mitchell house. The bridal bouquets were made of lily of the valley.

Wm. Moran of the Waban Rose Conservatories spends his spare evenings this summer entering the dancing contests held at the several beach resorts, and so far has captured the first prize in every contest in which he has participated. He is the proud owner of several medals.

The genial and popular Patrick O'Mara of the Peter Henderson Co. passed through this city August 24, on his way to Mansfield, Mass., to attend the funeral of Miss J. H. Capron, for the past 20 years head stenographer for the Peter Henderson Co.

J. Newmann Fennelly of Thos. F. Galvin's has just returned from his pleasure trip abroad, and after a week's sojourn in New Hampshire will again return to business duties.

Once again the old Bay state has had honor thrust upon her with the election of Wm. J. Stewart as president of the Society of American Florists.

A. Leuthy has just returned from his annual business trip abroad and informs us he has purchased a fine collection of palms, azaleas, etc.

Andrew Christensen sailed August 29 from New York on an extended trip through Denmark, his former home.

Visitor: Henry Siebrecht of Siebrecht & Sons, New York. B.

Pittsburg.

STOCK PLENTIFUL, DEMAND FAIR.

With plenty of all stock excepting white asters, the past week has been one to give satisfaction all around. Some very fine asters are arriving. American Beauty roses are both plentiful and good. Lilies are very plentiful and the wholesale houses are alive with gladioli. Americus is the only variety which finds ready sale. Many dahlias are coming in, but there is practically no sale with these. Green stock has been rather scarce during the week.

Chas. Hoffman of De Haven is in Utica, N. Y. Charley states that this is the only time of the year he gets a chance to get away, his asters being done and all his houses planted for the winter.

E. C. Rineman, John Bader and T. P. Langhaus are back from Canada, having stopped at the convention on their return trip.

H. L. Blind & Bros. have a fine crop of American Beauty in bloom. They would prefer to have them a month or two later.

The wire department of the Pittsburg Florists' Exchange has to run overtime in order to keep up with the demand.

Harry Graves of C. T. Siebert's is back at his old post, having returned from a visit in Ohio.

Joseph Cruell of A. W. Smith's has resigned. At present he is located in McKeesport.

Ed Weaner of Randolph & McClements is spending his vacation in the country.

Lee Riley of the Florists' Exchange is spending a fortnight in West Virginia.

J. B. Smith and wife, of McKeesport, are rusticating at Cambridge Springs.

Julius Ludwig and family are back from their eastern trip. J.

Hartford, Conn.

Carl U. Fohn, who has been forester at Keney park during the past three years, has been appointed superintendent on the extensive property of Gen. Palmer, at Colorado Springs, Col., and left Hartford August 17 to assume his new duties. Mr. Fohn has been an active and popular member of the Florists' Club and the Connecticut Horticultural Society and his many friends in both bodies presented him on the evening preceding his departure, with a massive silver loving cup. In horticultural and social circles here Carl will be much missed and he carries with him to the west the warmest good wishes of the entire craft here.

ALEX. CUMMING.

DAHLIAS
All the Early Varieties.
The best stock coming to the market.

THE LEO. NIESSEN CO.
WHOLESALE FLORISTS.
1217 Arch Street, PHILADELPHIA, PA.

Roses = Asters = Gladioli
WE ARE RECEIVING THE BEST IN SUMMER FLOWERS.
PITTSBURG FLORISTS' EXCHANGE, Pittsburg, Pa.

VALLEY
Special Prices Made on Yearly Contracts.
RIBBONS AND FLORISTS' SUPPLIES.
Samuel S. Pennock, THE WHOLESALE FLORIST, PHILADELPHIA.

ASPARAGUS PLUMOSUS NANUS.
Cut Strings, 50 cents each.
W. H. ELLIOTT, Brighton, Mass.

THE
J. M. McCullough's Sons Co.
Wholesale Commission Florists.
CONSIGNMENTS SOLICITED.
Special attention given to Shipping Orders.
Jobbers of FLORISTS' SUPPLIES, SEEDS and BULBS.
Price List on Application.
316 Walnut St., CINCINNATI, OHIO.
Phone Main 584.
Please mention the American Florist when writing.

C. A. KUEHN,
Wholesale Florist,
3122 Pine St., ST. LOUIS, MO.
A Complete Line of Wire Designs.
Please mention the American Florist when writing.

ROSES AND CARNATIONS
Pittsburg's Largest and Oldest Wholesalers.
PITTSBURG CUT FLOWER CO., Ltd.
504 Liberty Ave., PITTSBURG, PA.
Please mention the American Florist when writing.

Holton & Hunkel Co.
Wholesale Florists
Milwaukee, Wis.
Please mention the American Florist when writing.

H. G. BERNING,
Wholesale Florist
1402 Pine St., ST. LOUIS, MO.
Please mention the American Florist when writing.

Wholesale Flower Markets

PHILADELPHIA, Aug. 30.

Roses, Tea	3.00@ .400
" " extra	6.00@ 8.00
" Liberty	4.00@15.00
" Queen of Edgely, extra	16.00@25.00
" " " firsts	12.00@15.00
" Beauty, extra	16.00@25.00
" " firsts	12.00@15.00
Carnations	1.00@ 3.00
Lily of the valley	2.00@ 4.00
Asparagus, bunch	25.00@50.00
Smilax	20.00@25.00
Adiantum	.75@ 1.50
Cattleyas	.50@ .60
Gardenias	8.00@10.00
Sweet peas	.40@ .50
Auratum lilies	12.00@16.00
Gladiolus	2.00@ 5.00
Asters	.50@ 2.00

BOSTON, Aug. 30.

Roses, Beauty, best	12.00@25.00
" " medium	8.00@12.00
" " culls	1.00@ 4.00
" Bride, Bridesmaid	2.00@ 4.00
" Extra	6.00@ 8.00
" Liberty	6.00@25.00
Carnations	1.00@ 2.00
" Fancy	2.00@ 3.00
Lily of the valley	2.00@ 4.00
Smilax	8.00@12.00
Adiantum	.50@ 1.00
Asparagus	35.00@50.00
Sweet peas	.25@ .75
Pond lilies	2.00@ 4.00

BUFFALO, Aug. 30.

Roses, Beauty	5.00@25.00
" Bride, Bridesmaid, Meteor	3.00@ 8.00
Carnations	.50@ 2.00
Lily of the valley	3.00@ 4.00
Asparagus, strings	40.00@50.00
Smilax	15.00
Adiantum	.75@ 1.50
Lilies	3.00@15.00
Peas	.15@ .25
Water lilies	3.00@ 5.00
Gladiolus	1.00@ 3.00
Asters	.30@ 2.00

THE ART OF Floral..... Arrangement.
The first special newspaper in the world for floral arrangement.
250 ILLUSTRATIONS ANNUALLY.
Specimen number free.
Subscription, $2.40 yearly.
BINDEKUNST-VERLAG,
J. Olbertz, ERFURT, GERMANY.
Please mention the American Florist when writing.

J. B. MURDOCH & CO.
WHOLESALE FLORISTS,
FLORISTS' SUPPLIES.
545 Liberty Ave., PITTSBURG, PA.
Please mention the American Florist when writing.

NOW READY
To fill orders for American Beauties, Lily of the Valley, Carnations and all varieties of Tea Roses in lots of one hundred to one thousand at short notice. Get our prices before ordering elsewhere.
WELCH BROTHERS,
15 Province St., BOSTON, MASS.
Please mention the American Florist when writing.

Field-grown Carnation Plants. GOOD CLEAN STOCK. WRITE FOR PRICES.
ABSOLUTELY THE BEST POSSIBLE SERVICE.
W. E. McKissick
WHOLESALE FLORIST,
Business Hours 7 a.m. to 6 p.m.
1221 Filbert Street, PHILADELPHIA, PA.
Please mention the American Florist when writing.

Nephrolepis Whitmani
2¼-inch, $25.00 100,
Boston Ferns 2¼-in. $3.00 per 100.
Henry H. Barrows & Sons, WHITMAN, MASS.
Please mention the American Florist when writing.

ROBERT CRAIG CO.
ROSES, PALMS,
and Novelties in Decorative Plants.
Market and 49th Sts., Philadelphia, Pa.
Please mention the American Florist when writing.

New York.

AUGUST BREAKS RECORD FOR DULLNESS.

The month of August now closing will go on record as one of the worst summer months in recent years, and not a few are willing to give it the palm. Its closing days, in so far as existing business would allow of predictions, do not make the prospect for a speedy resumption of business on a profitable scale very bright. Arrivals are quite heavy in all lines and values suffer in a way, but losses go more generally with poor and over abundant stock. Good quality roses and carnations bring their money without difficulty, but this kind of stock is exceedingly limited. Off quality stock goes at anything that can be got for it, and average shipping returns to some growers, taking the box run of stock, will hardly reach 50 cents per 100 on roses. Good summer roses, like Kaiserin, Carnot and Killarney, are profitable, but growers claim that it does not pay to grow such summer roses under modern glass. Carnations are not improving any in quality, and the demand for such as are offered is not great. One or two new shippers to this market might profit by the experience of others. At this writing some large shipments of cut carnations have come in, and the shippers have evidently given the box layers a vigorous sprinkling with the result that the flowers are all but spoiled and stand a good chance for ash barrel consumption. Large quantities of cut hydrangea are coming in, some in very fine shape, but the price obtained, maximum $1 per 100, hardly pays for the shipping charges and commission. Dahlias are getting quite plentiful, at least as far as the lower grades are concerned. The fancy varieties have not yet made their appearance, nor are they expected before September 10 at the earliest. Gladioli still come in quantities, and move at prices about the same as during the past two weeks. Red varieties, however, seem to be shortening up a bit. Salvia is presented in large quantities as a cheap bright offering and sells fairly well for specific purposes.

NOTES.

F. R. Pierson, of Tarrytown, was in town on Monday, and seemed pleased to meet with any of the returned convention delegates. He has just completed the planting of his two new mammoth houses at Scarboro, 40,000 carnations being planted inside of two weeks.

Traendly & Schenck have "wet paint" signs generally displayed in their stores, and are in readiness for the active resumption of business. F. H. Traendley is following his trip to the Dayton convention with a few days spent at various points along his return route.

Wm. Starke, the Twenty-ninth street plantsman, has just finished the repainting of his store, and has commenced to put in plant stock for the coming season's trade.

Gunther Bros, the Twenty-ninth street wholesalers, have the necessary changes made in their store front for the commencement of their new firm business September 1.

A. M. Henshaw is receiving a nice cut of the new crop of Bride and Bridesmaid roses, with a fair proportion of them in the fancy and special grades.

Wm. H. Donohoe leaves this week for Boston, where he has quite a large undertaking to put through, and where he will spend a few days' vacation.

W. H. Kuebler, the Brooklyn wholesaler, was to be found at his usual post on Monday morning, looking well after his western trip.

Mrs. A. Warendorff took a prize for a decorated team at the Avenue floral carnival.

J. K. Allen was at his post at cock crow on Monday morning, well pleased with his trip to Dayton.

Washington.

GLOOM IN THE MARKET.

If there is one word more appropriate than others to express the prevailing sentiment, not only in our own but other lines of business, at the time these lines are penned, that word is gloom. This is more applicable from the viewpoint of the growers, for only another season or a liberal outlay of cash can replace a stock of ruined plants. Rain, rain, rain! Humidity and a soaked and saturated soil makes it a certainty that carnations yet in the fields are greatly damaged. Candor compels the statement that for these conditions the growers themselves are largely to blame. There has been ample warning; the whole season has been a succession of warnings, but hindsight instead of foresight seems to have been a leading characteristic of the growers of this district. We have here men who range the country from Boston to Pike's Peak, as promoters of flower shows, but all they have ever done to raise from mediocrity the growing of commercial blooms might be written on a fly's wing.

This is no reflection on the hard-working growers who have tried by conscientious and intelligent effort to raise the standard of horticulture in the district. In the retail business nothing is being done but funeral work. The summer tourists that are returning home seem, as a rule, to be more in need of the services of a physician than a florist, for the same stories of rain, humidity and malaria come from all points.

We have a few crumbs of comfort left, however. The score of the Washington bowling team at Dayton, agreeably surprised everybody here — including the team itself. Then, it is a fact that Secretary Stewart has long been popular with many members of the craft in this city. His elevation to the head of the S. A. F. should please them. Though in the matter of toadying to officials, high or low, the early education of the writer was sadly neglected, he bears no grudge against the president-elect. His election seems a fitting climax to the long years of service as secretary of the society.

Both H. B. Beatty and P. J. Hauswirth are well known and popular here. The re-election of the one and the election of the other to their respective offices should be eminently satisfactory to the craft in general. In the case of Mr. Beatty, if promotion is the just reward of faithful and disinterested services it is hoped that the next S. A. F. convention will not overlook this most faithful servant.

In the consideration of great horticultural centers, Chicago, New York, Philadelphia and Boston have such a lead that others are but mere whistling stations. Philadelphia, being for the year to come, the point of interest, it is proper to state that she can do anything in the horticultural line she undertakes, and do it well. S. E.

CONESUS, N. Y.—The Floral Society held an exhibition August 24 and 25. There were about $100 offered in premiums.

NEW YORK, N. Y.—Dr. N. L. Britton, director of the New York Botanical garden, sailed August 25 on the steamship Siberia, of the Atlas Line, for Kingston, Jamaica, for the purpose of botanical investigation and collection in the island.

Orchids!

ARRIVED IN SUPERB CONDITION.

Cattleya Dowiana, C. gigas, C. Mossiæ, C. Percivaliana, C. Speciosissima, C Eldorado, C. superba, C. labiata, C. Leopoldii, and many more. Write for prices.

Lager & Hurrell, SUMMIT, N. J.

Orchid Growers and Importers.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World.

SANDER, St. Albans, England.

NEW YORK OFFICE: T. MELLSTROM
Room 1, 235 Broadway Agent.

VICTORY

GUTTMAN & WEBER,
43 West 28th Street,
NEW YORK.

STRONG, FIELD-GROWN PLANTS NOW READY.

1st size, $15.00 per 100. 2nd size, $12.00 per 100. 3rd size, $10.00 per 100.

DISCOUNT FOR CASH WITH ORDER.

HORACE E. FROMENT, Wholesale, Commission,
Successor to William Chormley.
Orchids, Roses, Carnations, Valley, Lilies, Etc.
57 West 28th Street, NEW YORK CITY.
Telephones 2200 and 2201 Madison Square.

Trade Directory
—OF THE—
UNITED STATES AND CANADA.
PRICE $2.00, POSTPAID.
American Florist Co., 324 Dearborn St., Chicago.

Choice Carnations. Selected Roses.
Traendly & Schenck
NEW YORK CITY,
44 W. 28th Street, Cut Flower Exchange.
New Telephone No. 798 & 799 Madison Sq.
Please mention the American Florist when writing

CARNATIONS
MY SPECIALTY
Consignments Solicited. Prompt Payments
Established 1891.
Alfred H. Langjahr, 55 W. 28th St., NEW YORK.
Telephone 3924 Madison Square.
Please mention the American Florist when writing.

Original Pioneer House—Established 1871.
JAMES HART
103 W. 28th St., NEW YORK.
Wholesale and Commission
Consignments solicited. Shipping orders promptly attended to. 'Phone 626 Madison.
Please mention the American Florist when writing.

FORD BROS.
Receivers and Shippers of
Fresh Flowers
48 West 28th St. NEW YORK.
Telephone 3870-3871 Madison Sq.
Please mention the American Florist when writing

N. Y. Cut Flower Exchange
Coogan Bldg., 6th Ave. & W. 26th St., New York.
Open for Cut Flower Sales at 6 o'clock Every Morning.
Desirable Wall Space to Rent for Advertising.
V. S. DORVAL, JR, Secretary.

The Best Way to Collect an Account
is to place it with the
NATIONAL FLORISTS' BOARD OF TRADE,
56 Pine St., New York.
Why? Because many debtors will pay the Board, fearing otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.

Adiantum Farleyense
I can quote splendid stock at from $2.00 per dozen up to $24.00 per dozen, in 2-inch to 6-inch pots. If you are looking for Farleyense, better write me about it.
CHARLES H. TOTTY,
Madison, N. J.
Please mention the American Florist when writing

Wholesale Flower Markets

NEW YORK, Aug. 30.

Roses, Beauty best	10 00@20.00
" " medium	6.00@10.00
" " culls	1.00@ 4 00
" Liberty, best	4.00@10 00
" " culls	1 00@ 4.00
" Bride, Bridesmaid, G. Gate	.50@ 4.00
" Kaiserin, Carnot	1.00@ 6.00
Carnations	50@ 1.00
" fancy and novelties	1 50@ 2 00
Lily of the valley	.50@ 3 00
Lilies	6 00@ 8.00
Smilax	6 00@ 8.00
Adiantum	.50@ .75
Asparagus	20 00@50 00

Thomas Young
WHOLESALE FLORIST,
43 West 28th St., NEW YORK.

Alex. J. Guttman
The Wholesale Florist of
NEW YORK.
Phone 1664-1665 Mad. Sq. 43 W 28th Street.

Moore, Hentz & Nash,
Wholesale Commission Florists,
55 and 57 West 26th Street,
Telephone No. 756 Madison Square. New York.

N. Lecakes & Co.
53 W. 28th St., NEW YORK.
Tel. No. 1214 Madison Square
Stands at Cut Flower Exchange, Coogan Bldg., W. 26th Street & 34th Street Cut Flower Market. SPECIALTIES: Galax Leaves, Ferns and Leucothoe Sprays, Holly, Princess Pine and all kinds of Evergreens.
Green and Bronze Galax Leaves, $1.00 per 1000.

A. J. FELLOURIS,
J. J. Fellouris, Manager.
Wholesale and Retail Dealer in all kines of
EVERGREENS.
Fancy and Dagger Ferns Bronze and Green Galax.
Telephone, 2675 Madison Square.
52 West 28th Street, NEW YORK.

George Cotsonas & Co.
Wholesale and Retail Dealers in all kinds of
Evergreens.
Fancy and Dagger Ferns, Bronze and Green Galax.
Phone 1202 Mad. Sq.
Main Store, 50 W. 28th St., NEW YORK.

—FLOWERS SHIPPED BY—
JOHN I. RAYNOR
Are the best product of the best growers for the New York Market.
Adiantum Croweanum sold here exclusively.
49 W. 28th St., NEW YORK.
Tel. 1998 Madison Square.
Please mention the American Florist when writing

Walter F. Sheridan,
WHOLESALE FLORIST,
Telephone 902 Madison Square.
39 West 28th St., NEW YORK.
Please mention the American Florist when writing

J. Seligman. Joseph J. Levy
John Seligman & Co.
WHOLESALE FLORISTS
56 West 26th Street, NEW YORK.
OPPOSITE N. Y. CUT FLOWER CO.
Everything in Cut Flowers. Consignments from growers solicited. Prompt returns. Best prices. Satisfaction guaranteed. Tel. 4878 Madison.
Please mention the American Florist when writing

PHIL. F. KESSLER
Wholesale Commission Florist
Telephones { 2921 / 5243 } Madison Square.
55 WEST 26th STREET,
Consignments solicited. Prompt payments. New York.

A. M. HENSHAW
Wholesale Commission Florist.
Consignments of first-class stock solicited. Out of town orders carefully and promptly filled.
Telephone 5583 Madison.
52 W. 28th St., NEW YORK
Please mention the American Florist when writing

Receivers and Shippers of Cut Flowers.
Consignments Solicited
A. L. YOUNG & CO. Wholesale Florists . .
54 West 28th Street.
Telephone 3559 Madison Sq. NEW YORK.

THE KERVAN COMPANY,
20 West 27th St., NEW YORK.
Wholesale dealers in fresh cut Palmetto and Cycas Palm leaves, Galax, Leucothoe Ferns, Mosses and all Decorating Evergreens.

J. K. ALLEN.
Wholesale Commission Florist.
106 West 28th St., NEW YORK CITY.
Open every day at 6:00 A M Tel. 167 Madison Sq.

IT IS NOT...
what you pay for the advertisement but what the advertisement pays you. It pays to advertise in the American Florist.

CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

William H. Donohoe, No. 2 West 29th St., (One Door Off 5th Ave.) NEW YORK.

PHONES: 3034 and 3035 MADISON SQUARE.

Write, wire or telephone your orders to the above. Personal attention assured.

The best is none too good. Prices always right. Send me your next order.

DETROIT.

JOHN BREITMEYER'S SONS

Cor. MIAMI and GRATIOT AVES.

DETROIT, MICH.

...Artistic Designs...

High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

MILWAUKEE.

C. C. Pollworth Co.

MILWAUKEE, WIS.

Will take proper care of your orders in WISCONSIN.

INDIANAPOLIS.

Bertermann Bros. Co.

FLORISTS

241 Massachusetts Ave., INDIANAPOLIS, IND.

ST. LOUIS.

Fred. C. Weber,

FLORIST,

4320-4328 Olive St., ST. LOUIS, MO.

Established 1873. Bell, Lindell 676.

DENVER.

The Park ...Floral Co.

J. A. VALENTINE, President. DENVER, COLO.

OMAHA.

HESS & SWOBODA,

Florists,

1415 Farnam Street, Phone 1501 and L. 1582. OMAHA, NEB

Please mention the American Florist when writing.

DENVER.

FLORAL DESIGNS AND FLOWERS.

Best Quality on Shortest Notice.

DANIELS & FISHER, DENVER, COLO.

Order by mail, telephone, telegraph or cable.

Cable address: "Daniels Denver."

LONDON PARIS BERLIN

A. Lange

Prompt Attention to STEAMSHIP ORDERS.

Main Address 40 East Madison Street, Heyworth Bldg. ...CHICAGO.

Agents in all Leading European Cities.

GUDE BROS. CO. FLORISTS 1214 F ST. N.W. WASHINGTON, D.C.

WASHINGTON, D. C.

Gude's.

CHICAGO.

P. J. HAUSWIRTH

Auditorium Annex, CHICAGO.

Mail, telegraph or telephone orders filled promptly in best style

BUFFALO.

Palmer's

Buffalo, N. Y.

W. J. Palmer & Son, 304 Main St.

WASHINGTON.

GEO. H. COOKE,

FLORIST

Connecticut Avenue and L Street

WASHINGTON, D. C.

KANSAS CITY.

Samuel Murray

...FLORIST...

Coates House Conservatory

1017 Broadway, KANSAS CITY, MO.

Both 'Phones 2670 Main.

Write, Telephone or Telegraph. All orders given prompt attention.

KANSAS CITY.

GEO. M. KELLOGG,

926 Grand Avenue,

KANSAS CITY and PLEASANT HILL, MO.

Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

BROOKLYN, N. Y. NEW YORK.

Robert G. Wilson,

BROOKLYN, N. Y., Fulton St. and Greene Ave. NEW YORK, 48 W. 30th St.

Trade orders from all parts of the country filled for delivery at residence, steamer, hotel or theatre, on wholesale basis. Satisfaction guaranteed. Wire or telephone.

ALBANY, N. Y.

EYRES

Flowers or Design Work.

DELIVERED IN ALBANY AND VICINITY ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

ST. PAUL.

HOLM & OLSON,

ST. PAUL.

THE LEADING FLORISTS OF THE NORTHWEST

Orders will be well cared for anywhere in Minnesota and the Dakotas.

GALVESTON.

Mrs. M. A. Hansen,

—FLORIST—

Galveston, Texas.

Special attention given to Telegraph or Telephone Orders. 'Phone 1912.

JACKSONVILLE.

MILLS THE FLORIST,

36 W. Forsyth Street,

JACKSONVILLE, FLA.

WASHINGTON.

Mayberry & Hoover

Florists and Decorators

1339 Fourteenth St., Northwest

Telephone North 508. WASHINGTON, D. C.

New Orleans

CUT FLOWERS

For Tourists and General Trade.

Wire or mail. Highest Grade Stock Only.

URIAH J. **VIRGIN,** —838— CANAL ST.

COLUMBUS.

The Livingston Seed Co.

FLORISTS

Cover All Ohio Points. 114 North High St.

ROSES and CARNATIONS.

We are Headquarters for Roses, Carnations, Beauties and Valley. Write for special quotations.

A. L. RANDALL CO., 19-21 Randolph St., **CHICAGO.**

The Cleveland Cut Flower Company,

WHOLESALE CUT FLOWERS, FLORISTS' SUPPLIES, WIRE DESIGNS.

215 Huron Road, CLEVELAND, OHIO.

Cut Flowers or Designs

Will be delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

NEW YORK.

Alexander McConnell

IN NEW QUARTERS.

571 Fifth Avenue, Windsor Arcade, NEW YORK CITY

TELEGRAPH orders forwarded to any part of the United States, Canada and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive our prompt attention.

Telephone Calls: 340 and 341 38th Street.
Cable Address: ALEXCONNELL.
WESTERN UNION CODE.

Please mention the American Florist when writing.

LOUISVILLE.

JACOB SCHULZ, 644 Fourth Ave., LOUISVILLE, KY.

Cut Flowers of BEST QUALITY in season delivered promptly to any address.

Write, Telegraph or Telephone.
Cumberland and Home Phones 223 and 984.
Please mention the American Florist when writing.

ATLANTA.

ATLANTA FLORAL CO.

41 Peachtree Street, ATLANTA, GEORGIA.

Steamship Sailings.

WEEK ENDING SEPTEMBER 8.

Sept. 2, Dakota, Seattle-Hong-Kong.
Sept. 4, Ivernia, Boston-Liverpool.
Sept. 4, Saxonia, Liverpool-Boston.
Sept. 4, Kronprinz Wil., N. Y.-Bremen.
Sept. 4, Kaiser Wil. II, Bremen-N. Y.
Sept. 4, Shawmut, Tacoma-Hong-Kong.
Sept. 5, Italia, New York-Naples.
Sept. 5, Friesland, Liverpool-Phila.
Sept. 5, Majestic, New York-Liverpool.
Sept. 5, Teutonic, Liverpool-New York.
Sept. 5, Potsdam, New York-Rotterdam.
Sept. 6, La Provence, New York-Havre.
Sept. 6, Dominion, Liverpool-Montreal.
Sept. 6, Hellig Olav, Copenhagen-N. Y.
Sept. 6, Bluecher, New York-Hamburg.
Sept. 6, Deutschland, Hamburg-N. Y.
Sept. 6, Neckar, New York-Bremen.
Sept. 7, Tunisian, Montreal-Liverpool.
Sept. 7, Ionian, Liverpool-Montreal.
Sept. 7, Celtic, New York-Liverpool.
Sept. 7, Cedric, Liverpool-New York.
Sept. 7, Cymric, Liverpool-Boston.
Sept. 7, Emp. of Ireland, Mont-Liver.
Sept. 7, Emp. of Brit., Liverpool-Mont.
Sept. 8, Sardinian, London-Montreal.
Sept. 8, Columbia, New York-Glasgow.
Sept. 8, Caledonia, Glasgow-New York.
Sept. 8, Phila., N. Y.-Southampton.
Sept. 8, New York, Southampton-N. Y.
Sept. 8, Noordland, Phila.-Liverpool.
Sept. 8, Umbria, New York-Liverpool.
Sept. 8, Etruria, Liverpool-New York.
Sept. 8, La Touraine, Havre-New York.
Sept. 8, Kensington, Montreal-Liverpool.
Sept. 8, Patrica, New York-Hamburg.
Sept. 8, Statendam, Rotterdam-N. Y.
Sept. 8, Barbarossa, Bremen-New York.
Sept. 8, Zeeland, New York-Antwerp.
Sept. 8, Vaderland, Antwerp-New York.

150,000 FIELD-GROWN CARNATIONS.

VERY FINE. PERFECTLY HEALTHY.

Lady Bountiful,	Cardinal,	Buttercup,
	Price $7.00 per 100.	
Enchantress,	Lawson,	Queen,
Flamingo,	Roosevelt,	M. A. Patten,
	Price $6.00 per 100.	
Queen Louise,	E. A. Nelson,	Eldorado,
Flora Hill,	Portia,	Crocker,
J. H. Manley,	Prosperity,	Dorothy,
	Price $5.00 per 100.	

J. L. DILLON, Bloomsburg, Pa.

50,000 CARNATIONS,

Bushy, low-topped plants, grown on new soil, perfectly healthy.

Lawson very large size, $6.00 per 100. Gov Wolcott, Estelle, $6.00 per 100. Boston Market Hill, Norway, Lord, Joost, Lawson, $5.00 per 100. **Thousand rates, $55.00 and $45.00.** There are lower prices offered on carnations, but we guarantee that our plants are worth the money. Every customer this year is highly pleased. Not a single complaint.

ROSES. **ROSES.**

Strong, clean, 3-inch, Bride, Maid, Chatenay, Kaiserin, $4.00 per 100; $35.00 per 1000. 2½-inch Bride and Maid, $2.50 per 100; $20.00 per 1000. **SMILAX,** 3-inch, twice cut back, for early strings, $4.00 per 100. 2½-inch, $2.00. **BOSTON FERNS,** fine, 3-inch and 3½-inch, at $10.00 and $12.00. Choice ones.

W. H. GULLETT & SONS, Lincoln, Ill.

SPECIAL

CLEARING SALE

Of strictly first-class stock only

GERANIUMS Short and strong plants from 2½-inch pots $1.50 per 100; $14.00 per 1000. Varieties: Beaute Poitevine, Mrs. E. G. Hill, S. A. Nutt, Mme. Buchner (white).

SMILAX Fine young plants from 2-inch pots, ready to plant, 75c. per 100; $7.00 per 1000.

ASPARAGUS PLUMOSUS NANUS, from 2¼-inch pots, $2.00 per 100. Cash.

The W. T. BUCKLEY COMPANY,
Springfield, Ill.

SPECIALTIES.

ROSES from 3-inch pots. **CHRYSANTHEMUMS.**
CARNATIONS, for fall delivery. **SMILAX. VIOLETS.**
IN BEST VARIETIES.
Prices low. Send for list.

WOOD BROTHERS, Fishkill, N. Y.

STRONG, HEALTHY, FIELD-GROWN

Carnation Plants

that will please you. 500 Boston Market, 900 F. Hill, 1,000 Queen Louise, 600 Pink Lawson, 500 Morning Glory, 300 White Cloud, 600 Crane, $4.00 per 100. Cash with order.

SUNNYSIDE GREENHOUSES,
Owosso, Mich.

It is good business policy to mention
The....
AMERICAN FLORIST
When you write to an advertiser

CARNATIONS.

The finest, healthiest lot of field-grown plants in the Middle West, mostly planted out of 2½-inch pots. Flamingo, Prosperity, Wolcott, Harlowarden, $6.00 per 100; $50.00 per 1000. Boston Market, $4.50 per 100; $40.00 per 1000. Queen Louise, $4.00; $35.00 per 1000. Norway, $4.00 per 100; $30.00 per 1000.

ASPARAGUS.

Heavy, 2½-inch, plants, ready for a shift.
Plumosus nanus.....$3.50 per 100; $30.00 per 1000
Sprengeri, extra fine.. 3.00 per 100; 25.00 per 1000
field-grown clumps, $6.00 per 100.
California Violets, 3½-in. pots.....$4.00 per 100
Christmas Peppers, 3½-in. pots..... 4.00 per 100

J. W. DUNFORD,

CLAYTON, MO,

Please mention the American Florist when writing.

CARNATIONS

Field-grown plants for August 27 and later delivery.

The H. Weber & Sons Co. OAKLAND, MD.

Please mention the American Florist when writing.

Queen Beatrice Rose.

Four to one shot. Four times as many flowers as Maid.

F. H. KRAMER, 918 F St., WASHINGTON, D. C.

Please mention the American Florist when writing

The Seed Trade.

American Seed Trade Association.
H. W. Wood, Richmond, Va., Pres.; C. S. Burge, Toledo, O., First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas. Twenty-fifth annual convention at New York, 1907

RUST is very bad again this year on California asparagus.

ONION SEED crop reports from California August 13 continue unfavorable.

R. W. POMMER, of D. I. Bushnell & Co., St. Louis, Mo., is making a Pacific Coast trip.

LEM BOWEN of D. M. Ferry & Co., Detroit, Mich., is expected home from Paris in September.

THE death of the late Wm. McMillan, formerly in charge of the vegetable seed department at W. W. Rawson & Co's. Boston, Mass., is recorded in our obituary column.

J. Chas. McCullough.
Fishing at San Gabriel Canyon, California.

ERFURT, August 16.—Owing to the continued wet weather in July and up to the present time crops are about two weeks behind other years. Asters have suffered from the wet and the better classes are being attacked by disease. Larkspurs are harvested and proved a short crop. Verbenas and dianthus, while late, still look well. Carnations will be very short. Stocks and pansies are under middling, while wallflowers will be a poor crop.

5,400 ACRES OF GARDEN SEEDS IN CULTIVATION.
Braslan Seed Growers Co.
WHOLESALE SEED GROWERS.
SAN JOSE, CALIFORNIA.

VISITED CHICAGO: J. E. Northrup, Minneapolis, Minn.; R. G. Craig, Memphis, Tenn.; E. V. Hallock and wife, Queens, N. Y.; A. B. Haven, Lodi, Cal.; S. B. Dicks, London, Eng.; Otto Wiese, representing David Sachs, Quedlinburg, Germany; W. Brotherton, of the Jerome B. Rice Co., Detroit, Mich.; A. Currie, Milwaukee, Wis.; J. S. Michaels, Sioux City, Ia.; James J. Comont, representing James Carter, Dunnett & Beale, London, Eng.

NEW YORK, August 27.—The S. S. Brooklyn, belonging to Frank Zotti & Co., sailing from Marseilles for this port, recently went ashore at St. Michael's Isle. This boat was carrying in the neighborhood of 1,400 cases of French bulbs, Roman hyacinths, Paper White narcissus, etc. At present the cargo is being lightered and part of it is in bonded warehouse in St. Michaels. We understand this company has no other boat, and it may therefore be some time before a vessel can be secured to bring the cargo to America. The New York agents are not informed at present what the prospects are for getting the cargo here.

Boston.

The local dealers have received their shipments of French bulbs consisting of Roman hyacinths, Lilium candidum and Paper White narcissus and are shipping out all early orders.

The W. W. Rawson Co.'s retail bulb catalogue will be issued to the trade this week, and as for cover and illustrations it is a work of art.

Wm. J. Sherry, manager for the Johnson Seed Co., of Philadelphia, Pa., with his family is visiting relatives here.

Wisconsin Pea Crop.

Writing under date of August 27, the John H. Allan Seed Co., of Sheboygan, Wis., has the following:

"The pea crop in the vicinity of Sheboygan, Wis., so far as delivered, proves to be about equal to our expectations, and is a fair average crop; and nearly all of it having been harvested under favorable conditions, we have a bright, sound, handsome sample; and as there was plenty of bright sunny weather, the berry is of good size and high vitality.

"In the section north of here, including Sturgeon Bay, all crops suffered from the drought, which set in just as pods were filling, and the yield is materially shortened on this account; and although deliveries in that section have hardly begun, we expect about two-thirds of an average crop of bright, sound peas.

"Beans in this state, so far as our observation extends, promise to be a fair crop, and with brighter weather than for the past two seasons, there is less rust and blight than usual; and we are looking for a crop of good quality and fair average yield, should no unfavorable conditions arise before or during harvest."

QUINCY, MASS.—Arnold & Johnson have moved to 1361 Hancock street.

Reliable Mushroom Spawn
Originators and Growers of Superior Strains of Pure Culture Mushroom Spawn.
For particulars, free booklet, etc., address
E. L. HESS, 604 LaSalle Ave., CHICAGO,
SPECIAL AGENT
for Pure Culture Spawn Co., of Pacific Mo.

PACIFIC SEED GROWERS' CO.
109 MARKET STREET
SAN FRANCISCO, CAL.
Specialties:
Onion, Carrot, Lettuce, Sweet Peas

NOW READY.
NARCISSUS PAPER WHITE GRANDIFLORA and WHITE ROMAN HYACINTHS.
We offer the finest bulbs for immediate delivery, as follows:
Narcissus Paper White Grandiflora, finest quality bulbs, 13 cm. and up, 1,250 bulbs to the case, $11.25 per case; less quantities at $1.00 per 100.
Paper White Grandiflora Narcissus is always a money-maker. Plant at once for earliest crop, which is the most profitable.
White Roman Hyacinths, finest quality bulbs, 12 to 15 cm., about 1,800 bulbs to the case, $2.50 per 100; $23 00 per 1000.
Freesia Refracta Alba, finest Bermuda-grown bulbs ½-inch up, $7.50 per 1000.
Bermuda Buttercup Oxalis, $1.00 per 100; $7.50 per 1000.
Lilium Harrisii, 6 to 7-inch bulbs, 335 to the case, $13.50 per case; less quantites, $5.00 per 100. Larger sized bulbs all sold out.
F. R. PIERSON CO.
Tarrytown-on-Hudson, N. w York.

Lawrence, Kans.

At the meeting of the Douglas County Horticultural Society, August 18, at the home of C. H. Hoyt, a communication was read condemning the practice of distributing garden seeds by the government. After a general discussion the following resolution was unanimously adopted:

Resolved, That the Douglas County Horticultural Society does hereby condemn the free seed distribution of the United States Agricultural Department through members of congress. That we would favor a test of rare varieties from foreign countries. That we consider success in vegetable planting dependent upon the careful selection of varieties based upon class of soil. That the government seeds we have tried have proved inferior. That we know the people at large consider free government seeds a sort of graft looking toward influencing votes, and that we petition our congressmen to restore the distribution to its original intention, or to respond to the sober good sense of the people.

SPRINGFIELD, O.—McGregor Bros. are building residence houses for sale and improving the lands adjacent to their plant establishment here.

BURPEE'S SEEDS PHILADELPHIA.

Wholesale Price List for Florists and Market Gardeners.

Stokes Standard Seeds.

Are Money Makers.

Stokes Seed Store.

219 Market Street, .·. PHILADELPHIA.

SEND FOR CATALOGUE.

THE BENGUET FORCING LILY

(Lilium Philippinensis.)

The **NAGTAGAN GARDENS CO.** book orders now for October shipment. **The only cultivated bulbs offered in the Philippines.** Properly ripened **wild** bulbs are never available for shipment before December too late for Easter trade. Bulbs of ⅝ inches diameter will flower. We issue none that caliper less than ¾. Endures long transit perfectly.

PRICES: ¾ to 1 inch, **$45.00;** 1¼ to 1½ inches, **$55.00;** 1¾ inches and over, **$100.00** per 1000, f. o. b. Manila **TERMS:** Cash on completion and delivery of bill of lading to any designated bank in Manila. Our references: The International Banking Corporation.

Make drafts payable to H. P. WHITMARSH, and address correspondence to

NAGTAGAN GARDENS CO., Manila, P. I.

N. B.—Mail samples, prepaid, of the three sizes will be supplied respectively at **$2.00, $3.00** and **$5.00** per dozen.

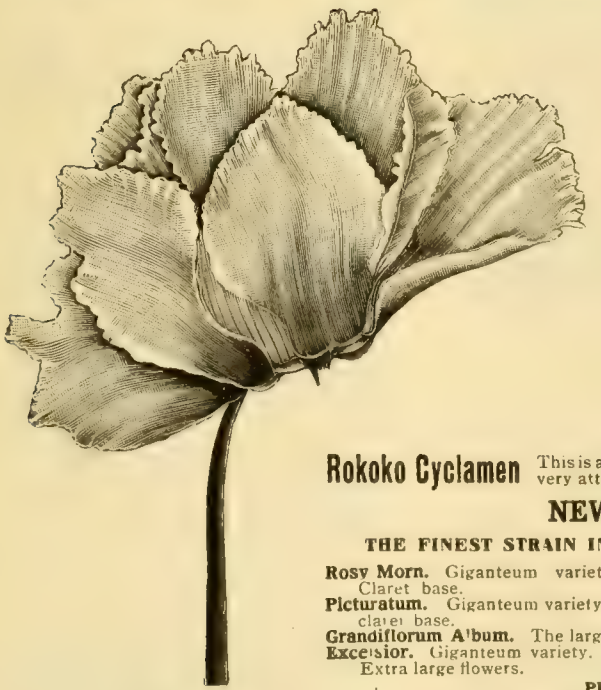
Vaughan's Seeds TRADE MARK NEW YORK-CHICAGO

Vaughan's Giant-Flowered Cyclamen

NOW IS THE TIME TO SOW THIS SEED.

10 PER CENT SPECIAL Cash Discount

On orders over $2.00 for Flower Seeds if the cash is enclosed **10 Per Cent.**



Giant Orchid Flowered, Pure White.

OUR REGULAR GERMAN STRAIN.

New Seed Now on Hand.

Pure White (Mont Blanc)
Dark Crimson
Rosa von Marienthal (Daybreak Pink)
Dark Rose
White with Carmine Eye
White Fringed, large very attractive
Rubin, rich blood-red

Per 1000 seeds, $5.00. Per 100 seeds 65c. 250 seeds of a color at the 1000 rates.

Salmon, a splendid new color, 100 seeds.....$1.50

Giant-Flowered Cyclamen, extra choice mixed. Per 100 seeds, 50c. 250 seeds for $1.15; 1000 seeds, $4.50; 500 seeds, $2.00. This mixture is made up from the above separate colors.

NEW GIANT ORCHID-FLOWERED CYCLAMEN.

These are exceptionally fine with very large flowers that are frilled and fringed in wonderful fashion. They are splendid sellers in the Chicago market and our seed is direct from the originator.

Pure White, Red, Pink
White with Carmine Eye and Lilac Colored } Each, per 100 seeds. $1.00; 1000 seeds, $9.00

Giant Orchid-Flowered Cyclamen, in choicest mixture, 25 seeds, 25c; 100 seeds, 85c; 1000 seeds, $8.00.

Rokoko Cyclamen This is an entirely new strain of Cyclamen with flat, round flowers, with wavy and fringed petals very attractive: white with carmine eye, red, rose or mixed 100 seeds, $2.50; 50 seeds $1.35.

NEW ENGLISH GROWN CYCLAMEN.

THE FINEST STRAIN IN EXISTENCE. New crop seed due to arrive in August or early September.

Rosy Morn. Giganteum variety, delicate rose color. Claret base.
Picturatum. Giganteum variety. Light rose tinted with claret base.
Grandiflorum Album. The largest giant white grown.
Excelsior. Giganteum variety. White with red base. Extra large flowers.
Princess May. Pale pink.
Princess of Wales. Giganteum variety. Pink.
Mauve Queen. Giganteum variety. Mauve.
Duke of Connaught. Giganteum variety. Purplish crimson.
Duke of Fife. Giganteum variety. Dark rose
Salmon Queen.

PRICES: Trade, 100 seeds, $1.00; 1000 seeds, $9.00 net.

Cyclamen Fimbriatum. Fimbriated flowers and foliage, 100 seeds, $2.50.

VAUGHAN'S SEED STORE, 84-86 Randolph Street, CHICAGO. 14 Barclay Street, NEW YORK.

Greenhouses and Nurseries and Trial Grounds, Western Springs, Ill.

The Nursery Trade

American Association of Nurserymen.
Orlando Harrison, Berlin, Md., President; J. W Hill, Des Moines, Ia., Vice-President; George C. Seager, Rochester N. Y., Sec'y.
Thirty-second annual convention, Detroit, Mich., June, 1907.

SYRACUSE, N. Y.—Geo. E. Kessler, the landscape architect of Kansas City, was engaged at a meeting of the board of estimates to establish a park and boulevard system in this city. Mr. Kessler is engaged for a term of three years to begin October 1, 1906.

MINNEAPOLIS, MINN.—Park Commissioner Chas. M. Loring, sustained his title as father of the city parks by offering to the park board to defray the cost of a pavilion in Loring park. The offer was of course accepted. The cost will be from $8,000 to $10,000.

SYRACUSE, N. Y.—The board of estimate and apportionment met recently and decided to place $2,000 of the park fund at the disposal of the park commission. This will leave about $8,000 in the park budget. The $2,000 will probably be spent by the park commission for hiring a landscape architect and incidental expenses connected with the work.

THE DAVENPORT NURSERY CO., of Davenport, Ia., filed articles of incorporation with the county recorder August 20. The incorporators are Adolph Arp, who will be president; H. G. Bryant, who will be vice president, and Margaretha Arp, secretary and treasurer. This is the new company planned some time ago by the former head of the Central park greenhouses.

BERLIN, MD.—Members of the Maryland Horticural Society to the number of over 400 were entertained recently at Harrison's nurseries. Addresses were delivered by leading horticulturists of the state and neighboring states. The members of the society were then taken in carriages through the 1,000 acres of Harrison's nurseries. The winter meeting will be held in the Fifth Regiment armory, Baltimore, December 5 and 6.

Peonies and Their Uses.

There are few hardy plants more deserving of recognition than peonies, and of some of the choicer varieties it can been said that but few things, hardy or otherwise, equal them in exquisite beauty. Besides the beauty of the flowers and the hardiness of the plants, peonies have several other points to commend them to general favor, first because from among the species may be selected subjects for almost any kind of situation, next because of the fact that insect pests do not bother them, which is in itself quite a consideration. For border planting peonies are unrivaled, especially when large numbers can be planted either in rows as background for other and dwarfer herbaceous plants or when planted in groups judiciously placed in among or in close proximity to shrubberies. On large places beds of peonies on the lawns, or where large beds are out of the question, peonies planted singly are seldom inappropriate.

Although peonies delight in sunshine they also thrive remarkably well in partial shade. Peonies must have plenty of good food. Therefore when planting if the soil is not already in good condition, it ought to be thoroughly trenched and, if poor, enriched with a liberal addition of cow manure. They are gross feeders, but the results obtainable from gratifying their desires will amply repay the expense and trouble. Peonies are propagated from seed and by division of roots. The latter method is by far the most practical and the roots ought to be secured from a reliable dealer to insure that the stock will be true to name, which is a matter of the utmost importance if the planting is to be done on a large scale. Even when only a few are required it is better to be reasonably certain of getting the varieties asked for.

The following are among the best peonies for planting in large or small groups: Festiva maxima, white with a

Peony Festiva Maxima.

little scarlet in the center. This and Queen Victoria are the two best in white. Grandiflora alba is another good white. Victor Moorish, Floral Treasure, fragrans, rosea superba and Humei are of the best pinks. Baroness Rothschild is also an excellent pink of a different shade from any of the others. Mons. Rousselon, delicatissima, Hericartiana, Eclante and rosea superba are good varieties of their color. For deeper red and crimson, rubra triumphans, Andre Lauries, grandiflora rubra and tenuifolia flore-pleno are excellent varieties. Agida is another good red, while Duchess d'Orleans is a fine variety of rose with salmon center. Magnifica is a splendid variety, a free bloomer and very early. In color it is blush with salmon shadings. There are many others and perhaps equally good varieties, but these we have seen and admired more than others.

The Japanese single peonies are very good for beds and when a mass of them is in bloom the effect is simply grand. Their flowers are large and soft, resembling immense roses.

The old-fashioned peony, P. officinalis, is distinct from the others and comes into bloom about two weeks earlier. Three good varieties of this sort are alba, rubra and rosea.

No place should be without a large or small collection of peonies. They are a source of much pleasure and seldom disappoint whoever plants them. When once planted they are there to stay, requiring but little attention and year by year increase in value and interest.

M.

American Cemetery Superintendents.

The twentieth annual convention of the Association of American Cemetery Superintendents was held at the Hotel Cadillac, Detroit, Mich., August 21-23, 1906, with an attendance of 168. The visitors were welcomed by Police Commissioner F. W. Smith and an extensive and interesting programme followed. The secretary reported the death of three members during the year.

Edw. G. Carter, of Chicago, was directed, as chairman, to organize a committee to represent the association at the horticultural congress which it is proposed to hold in connection with the Jamestown Exposition next year.

The officers elected for 1907 were as follows: J. C. Cline, Dayton, O., president; F. R. Diering, New York, vice-president; Bellett Lawson, Paxtang, Pa., secretary-treasurer.

The following local associations were represented: New England, Ohio, Michigan, Illinois.

The next convention will be held at Providence, R. I.

The Storrs & Harrison Co.
PAINESVILLE NURSERIES.
CATALOGUES AND PRICE LISTS FREE ON APPLICATION.
PAINESVILLE, OHIO.

Send to THE MOON Company
For Your { Trees, Shrubs, Vines and Small Fruits.
Descriptive Illustrated Catalogue Free
THE WM. H. MOON CO.,
Morrisville, Pa.

J. STAER,
Nurseryman and Seedsman,
WAHROONGA New South Wales, AUSTRALIA.
Collector of Australian and Island Seeds and Plants. Palms, Ferns, Platyceriums, Orchids, Eucalyptus, ornamental trees and shrubs.

LARGE TREES.
OAKS and MAPLES.
PINES and HEMLOCKS.
ANDORRA NURSERIES,
Wm. Warner Harper, Prop.
Chestnut Hill, PHILA, PA

D. and C. Roses Are the cheapest because they are the best. We have in stock over 1,000 varieties on own roots including all the New European and American varieties of merit, as well as all the old varieties. All sizes from 2½-inch pots up. We can also offer 40 of the leading and newest varieties of Cannas including Mont Blanc, also miscellaneous lists of Plant and Shrubbery, at prices that will make it worth your while to send us your lists for quotations before buying elsewhere. Send for a copy of Our New Guide to Rose Culture, for 1906, a handsome book of 116 pages. Free for the asking.

The DINGEE & CONARD CO., West Grove, Pa.
established 1850. 70 Greenhouses.

Please mention the American Florist when writing.

ROSES

Strong Plants. 2½-in. pots.	100	1000
Cr. Rambler	$2.50	$20
Wood. LaFrance	2.50	20
Meteor, G. Gate,	2.50	20
Notting	2 50	20
Diesbacn, Laing	3.00	25
Masson, Caprice	3 00	25

On Own Roots. 4-in. pots.	100
Baby Rambler	$20
Crimson Rambler	6
Charta, Masson	7
Diesbach, Wood	7
Neyron, Laing	8

101 best sorts for fall 1906 and spring 1907.

THE LEEDLE FLORAL COMPANY, SPRINGFIELD, OHIO.

Please mention the American Florist when writing.

TREES AND SHRUBS.

We make especially low prices on **Nursery Stock** to Parks, Cemeteries, etc. Wholesale price-list on application. We carry immense quantities of the finest named varieties of

PEONIES.

PETERSON NURSERY 603 W. Peterson Ave. CHICAGO, ILL.

Please mention the American Florist when writing

Just to hand, fine importation of

Bay Trees, Box Trees

Standards and Pyramids.

Euonymus, Evergreens.

New price list on application.

JULIUS ROEHRS CO. Importers, Rutherford, N. J.

Jacs Smits, Ltd. NAARDEN, (Holland.

GROWERS OF
Rhododendrons, Axaleas, pot grown Shrubs for forcing, Lily of the Valley, Spiræa, Paeonias, Roses, Climbing Plants, good varieties of Conifers and all ornamental stock.

Personal Inspection Cordially Invited.
R. K. Depot NAARDEN-BUSSUM, near Amsterdam.
Price list free on demand.

PEONIES=For Sale.

Between 3,000 and 4,000 Peonies, fine varieties, large plants. Write for prices on the whole lot.

EVA S. WILLIAMS. 99 Water St., BATAVIA, ILL.

PEONIES

Queen Victoria (Whitleyii), per 100....$ 9.00
Festiva Maxima, per 100..... 30.00
Fragrans (the bloom producer) per 100. 6.00
For 1000 rates and other varieties, write

GILBERT H. WILD, Sarcoxie, Mo.

PAEONIES.

Over 100 named kinds including a collection of Japanese varieties, Officinalis, in 4 kinds, besides a selection of favored kinds in all colors, from early to late for cutting in succession. Prices very low for good stock, true to name and description. A grower of over 40 years' experience, **Send for list.**

F. A. BALLER, Bloomington. Ill.

ROSES, 2½-Inch STRONG PLANTS.

Crimson Rambler and other varieties.
$2.00 per 100; $15.00 per 1000.

C. M. NIUFFER, SPRINGFIELD, OHIO.

PEONIES for Early Fall Planting.

Choice selection of named sorts. Strong plants of three to five eyes. Apply for rates per thousand.

Alba Plena. Blush white guard petals. Lemon tinted center, changing to clear white. Per doz., $2.00; per 100, $12 00.

Beresford. Delicate rose with creamy petaloids. Tipped carmine. Large bloom. Per doz., $2.50; per 100, $15.00.

Delachii. Deep crimson. Late. Per doz., $2 50; per 100, $15.00.

Delicatissima. Blush rose with circle of buff under guard petals. Very large and full to center. Strong, robust habit. Per doz., $4.50.

Eclatante. Cherry rose to center. Full, strong bloom. Early. Per doz., $2.00; per 100, $12 00.

Festiva Alba. Pure waxy white flaked with carmine at center. Large, full flower. Per doz., $3.50; per 100, $25.00.

Festiva Maxima. Snow white, flaked carmine at center. A grand, large bloom and very strong grower. Per doz., $5.00; per 100, $35.00.

Floral Treasure. Clear, brilliant pink. Very double and perfect form. Per doz., $4.50; per 100 $30.00.

Globosa. Incurved form. Brilliant rose with salmon center. Strong stem. Per doz., $1.50; per 100, $10.00.

Golden Harvest. The nearest approach to a yellow peony. Blush guard petals. Per doz., $4.50; per 100, $30.00.

Grandiflora Rubra. Extra large, perfect balls of blood red. A massive late variety. Per doz., $4.00; per 100, $20 00.

Humei. Clear solid pink. Late. Per doz., $1.50; per 100, $10.00.

La Tulipe. Blush white. Outer petals flaked red. Distinct and fine. Per doz., $5.00; per 100, $35.00.

Lemoine. Solid color of delicate cream white. Large full bloom. Compact habit. Per doz., $2.50; per 100, $15.00.

Marie Le Moine. Delicate flesh, fading to white. Very full and perfect form. Per doz. $4.00; per 100, $25.00.

Ne Plus Ultra. Solid shade of brilliant rose. A grand full petaled flower. Per doz., $2.00; per 100 $12.00; per 1000, $100.00.

Officinalis Rubra Plena. Deep crimson. Very early Per doz., $1.50; per $8.00; per 1000, $75.00.

Queen Victoria. Guard petals blush white. Flesh tinted center. A grand full flower. Very full and strong. Per doz., $2 50; per 100, $15.00.

Rosamond. Bright clear pink, tipped pale rose. Very large and free. Per doz., $2.50; per 100, $15.00.

Rosea Superba. Guard petals and petaloids bright rose with a circle of salmon pink. Per doz., $2.50; per 100, $15.00.

Rothschild. Guard petals bright rose with rich salmon center. Per doz., $2.00; per 100, $12.00.

Rubra Triumphans. Brilliant deep crimson. A fine contrasting color. Per doz. $2.00; per 100, $12.00.

Somerset. Pale rose with carmine tint and circle of buff. Very full and large. Per doz. $3.00; per 100, $20.00.

Washington. Nearly solid shade of delicate pink. Full bloom. Early. Per doz., $2.50; per 100 $15.00

Whitleyii. Large full white with creamy center. A choice variety. Per doz., $2.50; per 100; $15 00.

Mixed Pink Varieties. Per 100, $8.00; per 1000 $75.00.

PHONE 312. **JAMES KING NURSERY, Elmhurst, Ill.**

PEONIES

We have the largest and most select stock in the world.

SEND FOR OUR 1906 CATALOGUE.

SURPLUS STOCK.

We offer the following varieties in strong divisions from 2 to 5 eyes each.

Name	Color	Per 100
Achillea.	Blush White	$ 8.00
Alba Sulfurea.	Lemon Yellow	20 00
Alice de Julvecourt,	Salmon Pink	12.00
Charles Verdier,	Carmine	8.00
Duc de Wellington.	Sulphur White	20.00
Duchesse de Nemours,	(Guerin) Pink tinted lilac	20.00
Festiva Maxima,	White	30.00
Golden Harvest,	Tri-Color	25.00
Humei Carnea,	Cherry Pink	8.00
Mme. Costa,	Rose	20.00
Mme. Muyssart,	Delicate Pink	20.00
Ne Plus Ultra,	Bright Rose	12.00
Queen Victoria.	White	8 00
Rubra Triumphans,	Crimson	20 00
Off. Rubra fl. pl.,	Deep Crimson per 1000, $70.00;	8.00
Mixed Pinks.	per 1000, 60 00;	7.00
Mixed, all colors.	per 1000, 60 00;	7.00

COTTAGE GARDENS CO., Inc., Queens, N. Y.

HIBISCUS SYRIACUS MEEHANII

WE now offer to the trade our new hardy variegated leaf Hibiscus Syriacus Meehanii. This plant attracted much attention when exhibited at the American Nurserymen's Convention a e Baden, Ind., and American Florists' Exhibition at Asheville, N. C. Foliage beautifully variegated; never sun-scalds or reverts to the green; flowers single, very large, satiny lavender; blooms during four months; prices on application. Orders booked now.

P. J. BERCKMANS CO., Inc., Fruitland Nurseries AUGUSTA, GA.

PAEONIAS For September Delivery.

We are booking orders **NOW** from a large and well-assorted stock, carefully selected from hundreds of varieties tested. All have bloomed with us, and we guarantee them true to name. Send for special list, with prices.

—We are headquarters also for—

ROSES, CLEMATIS, AMPELOPSIS and HYDRANGEAS.

Use printed stationery. We sell at wholesale only.

JACKSON & PERKINS CO., Newark, Wayne County, New York.

NEWS NOTES.

ROCKLAND, MASS.—Alvin Bates is building an addition to his greenhouse, on Salem street.

EAST PALESTINE, O.—O. D. McArtor is building a greenhouse near his residence on Mill street.

LOWELL, MASS.—J. J. McMannon has a large and very fine display of phlox and has invited the public to call and see the plants.

PITTSFIELD, MASS.—New buildings planned at "Blythewood" by John A. Spoor, of Chicago, include a gate-house and greenhouse.

GRAND RAPIDS, MICH.—Miss Elsie Stoves will have charge of Eli Cross' new store in the Wonderly building, on Monroe street.

EAST MANSFIELD, MASS.—John W. Conrod is erecting a new greenhouse 30 x 147 feet. He is also adding a 50-foot addition to another house.

PEKIN, ILL.—Geo. A. Kuhl and wife stopped off at Dayton, O., for the convention, returning from a New England holiday of seven weeks duration.

CHESHIRE, CONN.—Miss Nettie Smith is having the Clover Leaf Greenhouse thoroughly repaired and alterations made for preparation for her fall and winter trade.

SPRINGDALE, ARK.—Robt. Newcomb, formerly of Chicago and Des Moines, is recovering from an attack of typhoid fever, which is very prevalent in this section.

WAKEFIELD, MASS.—F. C. Bisacre, of Swampscott, is the purchaser of a piece of land here, where it is understood he intends building extensive greenhouses in the spring.

COLLEGE POINT, N. Y.—Louis F. Hess has received the contract to erect three greenhouses for Mr. Finger at Bayside, and several similar structures for the Johnston Heating Co. at Long Branch.

CLEVELAND, O.—A large number of guests visited the Euclid Avenue Gardeners' Club's first annual gladiolus show, which opened in the log cabin in Euclid Beach park August 15. The show was open to the public for five days.

STOCKBRIDGE, MASS.—Dr. L. Bolton Bangs is to build a greenhouse and to make other extensive improvements on his place where he is now completing a handsome new villa. The proposed improvements will cost over $20,000.

WORCESTER, MASS.—Lawrence G. Dodge, of the U. S. Department of Agriculture, has been in Worcester for a few days. Mr. Dodge is touring the country in the interests of the bureau of plant industry, and is studying the methods used for marketing and growing throughout the country.

TOLEDO, O.—Superintendent Moore has informed the council that the animal house and greenhouse at Walbridge park will cost $25,000 or $30,000, instead of the $12,000 appropriated some time ago. While there is a disposition on the part of the council to save money, the appropriation may be increased because of the pressing need for larger greenhouse quarters for the entire park system.

PROVIDENCE, R. I.—John J. Johnson is being sued for possession of the store and basement that he occupies by the J. B. Barnaby Co. The legal point at issue is as to whether Mr. Johnson is a monthly tenant. He claims that he is a yearly tenant, paying rent in monthly sums, and that his term has still nearly another year to run. There is no question of non-payment of rent on the part of the florist, but the Barnaby company has other plans for the occupation of the premises. The case, having been decided against Mr. Johnson in the district court, now goes to the superior court.

CARNATIONS

Fine, Field-Grown Plants.

700 M. A. Patten, 350 Fiancee, 350 Cardinal, 175 Sunbird, 200 Fair Maid, $5.00 per 100.
500 Belle, $6.00 per 100.
675 Prospector (Red Maceo) $4.00 per 100

Stock grown at and shipped from Springfield, Ill.

S. S. SKIDELSKY,
824 No. 24th Street, PHILADELPHIA, PA

CARNATIONS....

Fine, Clean, Low Grown.

Enchantress	$6.00
Prosperity	5.00
Gen. Lord	5.00
Queen Louise	5.00
Estelle	5.00

— CASH —

CENTRAL GREENHOUSES, SANDUSKY, OHIO.

BERTHA RATH

CARNATION.

FERNS, PALMS,
ARAUCARIA EXCEL.,
ASPIDISTRA,
Green and Variegated.

BAY TREES and PRIVET,
Fine, Strong Stock.

R. DREYER, WOODSIDE, L. I., N. Y.

Please mention the American Florist when writing

E. F. WINTERSON CO.

45-47-49 Wabash Ave., CHICAGO.

We are now receiving Fancy Long Stem Asters, all colors; also Gladioli, Auratum Lilies, Sweet Peas, Roses, American Beauties.

Our Carnations are the best on the market, and are fine for this season of the year.

Fancy Valley and all Greens always on hand.

ALL CUT FLOWERS IN SEASON.

"Leading Florists' Supply House of the West."

CARNATIONS.

Strong, Healthy, Field-Grown Plants.

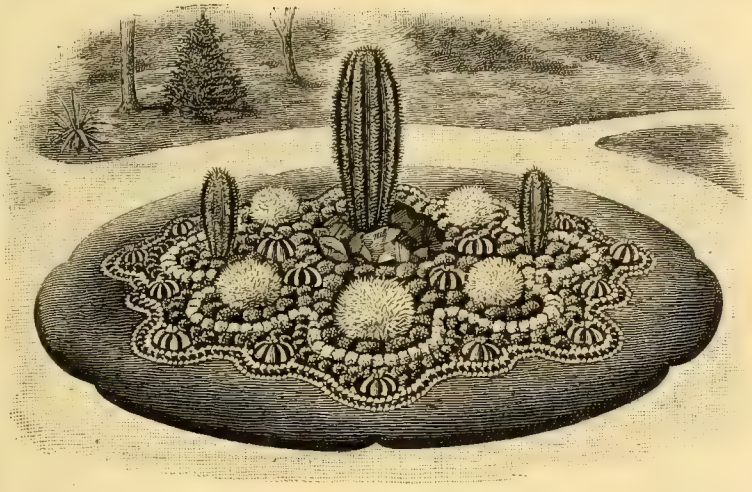
	Per 100	Per 1000		Per 100	Per 1000
Lawson	$5.00	$40.00	Morning Glory	$4.00	$30.00
Nelson	3.00	25.00	Boston Market	4.00	35.00
Guardian Angel	3.00	25.00	Lady Bountiful	6.00	50.00
Nelson Fisher	7.00	60.00	Flora Hill	3.00	25.00
Enchantress	7.00	60.00	Estelle	5.00	40.00
Mrs. Patten	6.00	50.00	Fiancee	7.00	60.00

ROSE PLANTS.

	Per 100	Per 1000		Per 100	Per 1000
Liberty, 3-in	$4.00	$35.00	**Chatenay,** 2½-in	$4.00	$35.00

PETER REINBERG,
51 Wabash Avenue, CHICAGO.

CACTUS SUCCULENTS ODD and RARE PLANTS



Largest Grower and Importer in the United States.

WHOLESALE AND RETAIL.

F. WEINBERG,

WOODSIDE, L. I.

A Few LARGE CEREUS GIGANTEUS, 5 to 7 feet, 10c per pound.

Large Illustrated Catalogue, 10c, stamps, for postage, which may be deducted from first order.

GET THE BEST

It don't pay to buy poor stock.

	Per 100	Per 1000
Richmond Roses, 2½-in.	$5.00	$40.00
" " 3½-in.	6.50	55.00
American Beauties, 3-in.	5.00	40.00
" " 3½-in.	6.50	55.00
Brides, Maids, 3½-in.	5.00	45.00
Chatenay, 2½-in.	3.50	30.00
" 3½-in.	5.00	45.00
Uncle John, 2½ in.	3.50	30.00
" 3½-in.	5.00	45.00
Golden Gates, 2½-in.	3.50	30.00
" 3½-in.	4.50	
Kaiserin, 2½-in.	3.50	30.00
Sunrise, 3½-in.	5.50	50.00
Perles, 3½-in.	6.00	55.00

Satisfaction Absolutely Guaranteed.

	Per 100	Per 1000
Sprengeri. 2-in.	$2.20	$18.00
Plumosus, 2 in.	2.50	22.00
Yellow Snapdragon, 3½-in.	5.00	45.00

Field-Grown Carnation Plants.

Free from stem rot or other diseases. Strong, healthy plants

	100	1000		100	1000
Mrs. T. Lawson.	$5	$45	Red Sport of Maceo	$4	$35
White Lawson	6	50			
Wolcott	4	35	Elsie Marten	4	35
Prosperity	4	35	Fiancee	4	35
The Belle	4	35			

POEHLMANN BROS. CO.

MORTON GROVE, ILL.

ABUNDANCE!

Healthy stock, field-grown plants. 1st size, $12.00 per 100; $100.00 per 1000: 2nd size, $10.00 per 100; $75.00 per 1000; 250 at 1000 rates. Delivery 15th of August. Cash with order.

RUDOLPH FISCHER, GREAT NECK, L. I., N. Y.

CARNATIONS. EXTRA FINE, FIELD-GROWN

1000 Enchantress.....$6.00 per 100
400 Pink Lawson..... 5.00 per 100
200 Flamingo..... 4.50 per 100

— CASH —

M. M. MICHAEL, Dansville, N. Y.

GRAFTED ROSES.

Extra Fine Plants, Free from Mildew.

KILLARNEY, 3½-in. pots.....$18.00 per 100
LIBERTY, KAISERIN, MAIDS, WOOTTON, 3½-in. pots, 15.00 per 100

OWN ROOT ROSES.

RICHMOND, PERLES, 3-in. pots.....$8.00 per 100
BRIDES, MAIDS GOLDEN GATES, KAISERIN, LIBERTY, WOOTTON, 3-in. pots..... 6.00 per 100

SMILAX, Very fine, 2½-in. pots, $1.50 per 100.

J. L. DILLON, Bloomsburg, Pa.

GERANIUMS

2½in. Pots, Ready for Immediate Delivery

Alliance. Lemoine 1905. Hybrid, Ivy and Zonal, semi double, lilac white, upper petals feathered and blotched crimson maroon, 25c each; $2.00 per doz.

Fleuve Blanc, the semi-double Bruant that promises to become the standard white, flowers and foliage equal to Alph. Riccard, $1.50 per doz.; $10.00 per 100.

Double Dryden, $1.00 per doz.; $5.00 per 100.

Cactus Geraniums, four varieties, petals curled and twisted similar to the Cactus Dahlia, $2.00 per doz.; $15.00 per 100.

S. A. Nutt, La Pilote, Beaute Poitevine, Mme. Barney, Centaur, Miss Kendall, Mme. Jaulin, Jean Viaud, Mme. Charotte, 40c per doz.; $2.00 per 100; $18.00 per 100.

Ville Poitiers, Marquise de Castellane, Berthe de Persilly, M. Jolly de Bammeville, Thos. Meehan, 50c per doz.; $3.00 per 100; $25.00 per 1000.

Send for Geranium Catalogue. Let us figure on your future supply.

	Per 100	1000
Alternanthera, red and yellow	$2.00	15.00
Hardy English Ivy	2.00	15.00
Smilax	2.00	15.00

DAHLIA ROOTS.

We are booking orders for fall delivery. Send for list.

A cordial invitation is extended to all interested in horticulture to visit us. Cowenton station, Philadelphia division, B. & O. R. R., 12 miles north of Baltimore

R. VINCENT, JR. & SON, White Marsh, Md.

ASPARAGUS

	Per 100
Plumosus Nanus, 2¼-in. pots	$2.00
" Seedlings	1.00
Sprengeri Seedlings	1.00
PANSY SEED, large, flowering, per oz	4.00

PRIMROSES

	Per 100
Chinese, 2¼-in. pots	$2.00
Obconica Rosea and Alba	2.00
CANNAS, 5 var., field clumps	15.00
PANSY PLANTS, Oct. 1	$3.00 per 1000: .50

—CASH PLEASE.—

JOS. H. CUNNINGHAM, Delaware, Ohio.

Louisville.

TRADE VERY SATISFACTORY.

Business the past week was very heavy at times and averaged very satisfactorily. The week was the warmest we have had for some time, and one day three or four deaths occurred. Stock in general is averaging fair so far as quantity is concerned. Roses can be had in adequate quantities and the quality and demand are very satisfactory. Not much can be said as yet of the quality of carnations, but they are not missed much owing to the great supply of asters, some of which are excellent in quality and find a satisfactory demand. Lilium album and L. rubrum are still coming in in great quantities and find an occasional demand. Outdoor stock, such as hardy phlox, rudbeckias, etc., is becoming scarce, and will be greatly missed, especially in window decorating. Green goods can be had in good quantities and of fair quality.

NOTES.

The regular monthly meeting of the Kentucky Society of Florists will be held Tuesday night, September 4, place to be announced on cards. Arrangements will be made for the outing next month and members are urged to attend.

The Sunday-closing law has caused several of the local florists to pay small fines. The business done probably justified keeping open.

S. S. Skidelsky of Philadelphia was with us for a day or two as was also G. S. Walters of St. Louis.

The delegates to the S. A. F. convention returned and seemed delighted with their stay.

J. E. Marret has been doing some remodeling. F. L. S.

Albany.

Reinhold W. Zobel, who on April 28 purchased the establishment of John Dingwall, Garbrance Lane, Troy road, has spent several thousand dollars this summer in improvements. The greenhouses have been thoroughly overhauled and are now like new structures. Mr. Zobel has other improvements in mind which he will carry out later.

Under the direction of Superintendent W. S. Egerton the park greenhouses owned by the city are now undergoing extensive repairs and improvements. They will soon be ready to receive the plants for winter. Preparations will be begun shortly to remove some of the accumulation of silt from the edges and bottom of the park lake. R. D.

Newport, R. I.

TRADE GOOD.

Trade in general is good, and great entertainments are expected during horseshow week. This means a large demand for flowers of all kinds, especially gardenias. Hydrangea paniculata is very much admired. This is grown extensively on nearly all the estates.

NOTES.

Among the many dinners given last week Mrs. Stuyvesant Fish's entertainment, musical and dinner was the principal event. The house was entirely decorated by Wadley & Smythe, of New York, with palms, Hydrangea paniculata, oak branches and Asparagus plumosus. The parasol arrangement over each of the nine dinner tables was very pretty and unique. The parasols were covered with Asparagus Sprengeri and pink roses were used for the shower effect. The base of each parasol was decorated with pink roses and Asparagus plumosus and finished the table decoration. On top of each parasol a pretty little willow basket contained a canary bird which sung to the delight of the guests.

V. A. Vanicek has bought 40 acres of land for his constantly increasing nursery stock.

Oscar Schultz is building another house for general stock.

Montreal.

With all the exhibitions going on at present business seems to get little attention. Everybody is competing, judging or attending at exhibitions. The private gardens of the city and those of some of the suburban towns have been judged and prizes awarded. The different exhibitions will follow in due time.

At the last euchre of the Gardeners' and Florists' Club, President Gibb and E. Hayward were the lucky winners. The latter had just returned from a trip to the old country and was heartily welcomed by the boys.

The executive committee of the Horticultural Society has secured the new armory of the Fifth Royal Scots, Bleury street, for their exhibition to be held September 5 and 6.

A. C. Wilshire is adding a new greenhouse, 20x100 feet, to his plant at Bloomfield avenue. It will be heated by a sectional hot water boiler.

J. C. Eddy is off on a two months' trip to the great Canadian west.

Visitors: J. Davis, superintendent of Major Hill park, Ottawa; also Messrs. Rennie, Thorley, Wilson and Gongon, all of the same town. LUCK.

San Francisco.

Last Saturday there arrived in this port 7,000 orchids of nearly every variety. They came from Manila and were collected by Manuel D'Yriarte, a wealthy Filipino, and are in transit to the white house at Washington. The flowers are in crates and when the cold latitudes were reached they had to be transferred from the hold of the vessel to a place near the fireroom. Manuel D'Yriarte, who is contributing this beautiful aggregation of orchids for the white house conservatories, met the Taft party during its recent visit to the far east, and so great was the admiration of those members for his gardens and particularly his orchids that he determined to send to Washington some of the choicest orchids in the Philippines.

Communications received at the University of California by friends of Dr. Hugo de Vries, the eminent botanist of the University of Amsterdam, who recently gave a course of lectures here at the state summer school, state that the professor is preparing an article for publication in defense of Luther Burbank. Professor de Vries is a strong personal friend of Mr. Burbank, and while in California this summer passed several days at Burbank's gardens and experiment station. At that time he spoke highly of the work done by Burbank and stated that he had the greatest admiration for his ability and interest in his work. The article which the professor is preparing in defense of the Santa Rosa wizard is called forth chiefly by recent adverse comments by an English botanist on the work of Burbank. Dr. de Vries is one of the most noted botanical authorities of the present day, and his defense of Burbank is expected to carry great weight.

JESSE WHITE.

Omaha.

The Omaha Florist Club held their annual picnic at Krug's park, August 16. Almost 100 people attended, young and old. A well-arranged lunch was the climax of the day. The park having no bowling alley other amusements were on the programme such as boat riding, switchback, merry-go-round, etc. After late hours all went home happy and contented.

OUTING OF THE OMAHA FLORISTS' CLUB AUGUST 16, 1910.

R. Timmler, the florist of Krug's park, is to be complimented for the way he keeps the park up-to-date, in fact there is nothing better to be seen at Lincoln park, Chicago.

Miss Margaret Torelson, with Hess & Swoboda, has returned after a three-weeks' visit to the Michigan lakes.

L. Henderson is building one new house, 26x150, and rebuilding two houses the same size.

The past 10 days were very hot and life was no dream for those who had to work under glass.

Planting is more or less all done now and some of the florists are cutting young stock.

Geo. Swoboda and wife and L. Henderson attended the Dayton convention.

Peterson Bros. are erecting five new houses 12x50 each, all for carnations.

GRIPPE.

ARAUCARIA EXCELSA.
(Norfolk Island Pine).

We have a large quantity of these popular Christmas plants. All are perfect, well shaped plants, and will give good satisfaction.

Size Pot.	Height.	Whorls.	Each.	Doz.
5-in.	10 in.	3	$0.60	$ 6.00
5-in.	12 to 14 in.	3 to 4	.75	9.00
6-in.	16 in.	4	1.00	12.00
6-in.	18 in.	4	1.25	15.00
7-in.	22 in.	5	1.50	18.00

ARAUCARIA EXCELSA GLAUCA.

Size Pot.	Height.	Whorls.	Each.	Doz.
5-in.	12 in.	3	$1.00	$12.00
6-in.	13 to 15 in.	3 to 4	1.25	15.00
7-in.	18 to 20 in.	4 to 5	1.50	18.00
7-in.	22 to 24 in.	4 to 5	2.00	24.00
9-in.	30 in.	4 to 5	3.00	Fine
9-in.	34 in.	5	4.00	specimens.

ARAUCARIA ROBUSTA COMPACTA.

Size Pot.	Height.	Whorls.	Each.	Doz.
5-in.	10 in.	2	$1.00	$12.00
6-in.	12 in.	2 to 3	1.50	18.00
7-in.	28 in.	5	3.00	Fine
8-in.	32 in.	5 to 6	4.00	specimens.

BABY RAMBLER ROSES.

We have a fine lot now growing in our fields, and offer strong dormant plants for October and November delivery.

	Doz.	100.	1,000.
1st size, selected	$3.00	$25.00	$200.00
2nd size, selected	2.50	20.00	150.00
3rd size, selected	2.00	15.00	120.00

Also have a large stock of pot grown plants in bud and bloom.

	Doz.	100.
3-in. pots	$1.50	$12.00
4-in. pots	3.00	20.00
5-in. pots	5.00	40.00
6-in. pots	6.00	50.00

NEW ROSE ETOILE DE FRANCE. The best red rose for pot sales, 1-year-old dormant plants, per doz., $2.00; pr 100, $15.00.

RICHMOND ROSES.

2½-in. pots, strong	$ 7.00 per 100;	$ 60.00 per 1000
3-in. pots, strong	8.00 per 100;	75.00 per 1000
4-in. pots, strong	12.00 per 100;	100.00 per 1000

KILLARNEY, strong,

2½-in. pots	$ 7.00 per 100;	$ 65.00 per 1000
Strong, 3-in. stock	8.00 per 100;	75.00 per 1000
4-in.	12.00 per 100;	100.00 per 1000

PAEONIES FOR SEPTEMBER PLANTING. We have the best kinds of our own growing, all true to name. Send for complete list.

PERENNIALS FOR FALL PLANTING. Our stock is large and consists of all the best sorts. Send for special list.

Send for our special list of Palms, Ferns and Decorative Plants. We offer good value; saving in express and freight west of Ohio.

14 Barclay St. NEW YORK.

VAUGHAN'S SEED STORE,

84-86 Randolph S CHICAGO.

GREENHOUSES, WESTERN SPRINGS, ILL.

A Few Good Things You Want.

Cash with Order.

Dracaena Indivisa, 4 and 5-inch, $10.00 and $25.00 per 100.
Asparagus Plumosus, 2-in., $3.00 per 100.
Asparagus Sprengeri, 2-inch, $2.50 per 100.
Geraniums, S. A. Nutt, Castellane, John Doyle, Perkins, Poitevine and Double Gen. Grant, La Favorite Mme Saleroi, 2-in. pots, $2.00; 3-in. pots, $4.00 per 100. Rooted cuttings, $1.00 per 100
Rex Begonia, nice plants, 2 and 2½-inch, $5.00 per 100.
Boston Ferns, 5-inch, 30c each.
Pierson Ferns, 5-inch, 50c each.

GEO. M. EMMANS, NEWTON, N. J.

ASPARAGUS

PLUMOSUS NANUS, 2-inch pots, $3.00 per 100; $25.00 per 1000, transplanted from the bench, .50 per 100; $20.00 per 1000.
SPRENGERI, 2-inch, $3.00 per 100; $25.00 per 1000, from bench, $2.50 per 100; $20.00 per 1000.

WM. CLARK, Colorado Springs, Col.

Extra Celestial Peppers

3-inch stock at.....$5.00 per 100
5-inch stock at.....10.00 per 100

This price only good TEN DAYS, as stock is worth double.

GEO. A. KUHL, Pekin, Ill.

DAHLIAS.

Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring.

DAVID HERBERT & SON,
Successors to L. K. Peacock, Inc., ATCO, N. J.

THE CHRYSANTHEMUM MANUAL.

By Elmer D. Smith.

PRICE 25 CENTS.
Cash with order.

American Florist Co.,
324 Dearborn St., CHICAGO.

5,000 PALMS.

SUMMER BARGAINS TO MAKE ROOM.

	Per 100
Lantania Borb., 2¼-in. pots	$ 4.00
" " 4½-in. pots	25.00
" " 5-in. pots	30.00
Kentia Balmoreana, 3½-in. pots	20.00
" " 4½-in pots	30.00
Boston Ferns, 2½-in. pots	4.00
Farfugium Grande, 3½-in. pots	10.00
" " 5-in. pots	15.00

Field grown **Bouvardias** and **Carnations** priced on application. Address

NANZ & NEUNER, Louisville, Ky.

LUDVIG MOSBAEK,

ONARGA, ILL.

100,000 Asparagus Pl. Nana and **Sprengeri,** very strong and fine plants, ready for shift, 4-in., $10.00; 3-in., $5.00; 2¼-in., $2.50 per 100. Seedlings, $10.00 per 1000.
10 Acres of Cannas. List mailed and orders booked for fall delivery.
40,000 Ferns, in var.: **Anna Foster, Boston, Piersoni** and **Sword Fern** (Exaltata), very fine, pot grown, ready for shift, 6-inch, $40.00 per 100; $6.00 per doz.; 4-in., $15.00; 3-in., $8.00. **Boston** and **Piersoni,** strong runners, $30.00 per 1000.
3,000 Nephrolepis Piersoni Elegantissima, 4-in., $50.00; 3-in., $20.00; 2¼-in., $12.00 per 100.
20,000 Geraniums, stock plants, from field, in standard var., $6.00 per 100, $50.00 per 1000. Will also book orders for R. C and 2¼-in. plants.
Palms, Dracaena Indivisa, 3-in., $5.00 per 100, 4-in., $10.00 per 100 **Kentia,** 3-in., $12.00 per 100. **Phoenix Canariensis,** 4-in., $20.00 per 100.
Pansies are working their way to the front once more. Our International Strain, Seedlings, $3.00 per 1000; Seed, per oz., $6.00; ⅛ oz., $1.00; prepaid for cash.
Roses, Brides and Bridesmaids, 3-inch, in fine condition, $5.00 per 100.
Sansevieria Zeylanica var., 4-in., $15.00 per 100 3-in., $8.00 per 100.

Let me send you a sample of my Asparagus and Ferns. They are worth more money to you than to me.

Please mention the American Florist when writing.

ASPARAGUS ROBUSTUS,

$5.00 per 100; $40.00 per 1000.

ASPARAGUS SPRENGERI,
$2.00 per 100; $15.00 per 1000.

ALBERT M. HERR
LANCASTER, PA.

Always mention the American Florist when you order stock.

Saves Many Times
ITS PRICE.

$2.00

Postpaid to any address.

THE AMERICAN FLORIST COMPANY'S DIRECTORY saves many times its price to every one who catalogues or circularizes the trade. Fully revised to date of publication, it puts the mail only to live names, avoiding waste of postage and printed matter, time and labor.

Contains 476 pages, lists of Florists, Seedsmen and Nurserymen of the United States and Canada by states and towns, also alphabetically; firms that issue catalogues, foreign merchants, horticultural societies and much other up-to-date information which makes it a reference book of daily utility wherever a wholesale trade is done.

Published annually by the

American Florist Co.

324 Dearborn Street, CHICAGO.

Palms, Ferns, Etc.

WHOLESALE PRICE LIST.

Bouvardia, field-grown, pink and white, ready to plant into bench for winter blooming, $8.00 per 100.

Hydrangea Otaksa, field grown, $1.50 and $2.00 per doz.

	In.	Tiers.	Ea.	Doz.	100
Araucaria Excelsa	4	2 to 3	$0.35	$4.00	
" "	5	3	.75	9.00	
" "	6	3 to 4	1.00	12.00	
Asparagus Plumosus	2				$3.00
" "	3				6.00
Asparagus Sprengeri	2				3.00
" "	3				6.00
" "	4			1.50	
" "	5			2.00	

Asparagus Scandens Deflexus, a beautiful green for wedding and funeral work, 3-in. pots at $1.50 per doz.; 4-in. pots at $2.00 per doz.

Bay Trees, small standards, 12-inch heads, $5.00 per pair.

Bay Trees, pyramids, 5 feet high, $15.00 per pair.

Adiantum Capillus, 5-in., $2.00 per doz.

Boston Ferns, 4-in. pots, $1.50 per doz.; 5 in. pots, $3.00 per doz.; 6 in. pots, $4.20 per doz; 6 in. pots, strong, $6.00 per doz.; 7-in. pots, $9.00 per doz. Larger specimens, $1.50, $2.00 and $3.00 each.

Scottii Ferns, 10 in. pots, $2.00 each.

Assorted Ferns for dishes, $3.00 per 100; $25.00 per 1000. We have a large lot to offer in best varieties.

Fern Balls, 7 to 9 Dormant or in leaf, $4.20 per doz.

Crytomium Falcatum, fine plants, 35c and 50c each.

Dracaena Fragrans, 5-inch pots, 50c each; $5.00 per doz. 6 in. pots, 75c each; $9.00 per doz.

Dracaena Indivisa, 2-inch pots, $2.50 per 100; 6-inch pots, 20 to 26 inches high, 50c each; $5.00 per doz.; 7-inch pots, 30 to 34 inches high, 75c each; $9.00 per doz.

Dracaena Massangeana, 8-inch pots $2.00 each. " " beautiful specimens, 9-inch pots, $3.00 each.

Dracaena Terminalis, 4-inch pots, 25c each; $3.00 per doz.; 5 inch pots, 35c each; $4.20 per doz.

Honeysuckle Vines, 4-inch pots, $8.00 per 100.

Maranta Lietzii, 2¼ in., $1.00 per doz.

Pandanus Veitchii, 7-in., $2.00 ea.; $24.00 per doz.

" **Utiles,** 3 in ..... per doz., $1.50
" " 4-in ..... per doz., 3.00
" " 5 in ..... per doz., 5.00

Areca Lutescens, 5-in., 50c each; $5.00 per doz.

Cocos, for dishes, 2½-inch, $1.50 to $1.75 per doz.

Cocos Bonetti, large specimens, $40.00 each.

	In.	Each	Doz.
Kentia Belmoreana	3		$ 2.00
" "	4		3.60
" "	5	$0.60	7.20
" "	6 xx	1.25	15.00
" "	7	2.50	30.00
Kentia Forsteriana	5	.60	7.20
" "	6	1.25	15.00
" "	7	2.00	24.00

Phoenix Canariensis, 2-in. ..... per doz., 1.00
" " 5-in. ..... per doz., 5.00
" " fine bushy plants, 10-in. pots, $3.00 each. Large specimens, $25.00 to $30.00 each.

Phoenix Reclinata, 3½-in. ..... per doz., $2.00
" " 4-in ..... per doz., 3.00
" " 6-in., 50c each; per doz., 6.00
" " 7-in. 75c each.

Sansevieria Jav. Var., 4-inch at $2.00 per doz.

Selaginella Denticulata, 3-in., per doz., $1.00.

The Geo. Wittbold Co.

1657 BUCKINGHAM PLACE, CHICAGO.

Please mention the American Florist when writing

HEADQUARTERS FOR

CHOICE PLANTS

English Ivy, Anthericums, Kentias Forsteriana and Belmoreana, Phoenix Canariensis, Araucarias, Bay Trees and Boxwood Pyramids, Asparagus Plumosus, Bird's Nest, Scottii Elegantissima, Piersoni Boston and Johnsoni Ferns, Cattleya Trianæ Rubbers Dracænas Terminalis and Fragrans, Pandanus Veitchii, Gardenia Veitchii Cycas Revoluta, Cibotium Schiedei Livistona Sinensis, Areca Lutescens, Crotons Aspidistras, Lygodium Scandens Primula Obconica, Begonia Rex Daisies Fern Balls, Lily of the Valley, Cut Flowers, Leaf Mold, Orchid Peat, etc. Write for prices.

Anton Schultheis 19th St. and 4th Ave., College Point, L.I., N.Y.

Please mention the American Florist when writing.

ROMAN HYACINTHS, PAPER WHITES and FREESIAS

ARE NOW READY.

Write for prices, stating quantity wanted.

Vaughan's Seed Store

84-86 Randolph St., CHICAGO. 14 Barclay St., NEW YORK.

Please mention the American Florist when writing.

FOR SALE

Field-Grown

Carnation Plants.

Fine stock in first and second sizes.

E. T. GRAVE,
RICHMOND, - IND.

Please mention the American Florist when writing.

Carnations

We make it a business to grow and sell carnation plants. No surplus stock. All A1 plants.

	Per 100	1000		Per 100	1000
Enchantress	$5 00	$45 00	Harlow'rden.	$4.50	$40.00
Nels'n Fisher	5 50	50 00	Flamingo	5 00	45 00
Prosperity	4.50	40.00	Crane	4.50	40.00
Morn Glory.	4.00	35.00	Pink Lawson.	4.00	35.00
Glacier	4.00	35.00	Cash with order, please.		

Blanksma Bros., R. F. D. No. 11, **GRAND RAPIDS, MICH**

CARNATIONS

FIELD PLANTS.

CANDACE .....$12.00 per 100

JOHN HARTJE,

3129 N. Illinois St., INDIANAPOLIS, IND.

Highland Grown Carnation Plants.

	Per 100	1000		Per 100	1000
Lawson	$5 00	$45.00	Norway	$5 00	
Flora Hill	5.00	45.00	Prosperity	5.00	
Boston M'ket	6.00	50.00	G. Angel	4.50	$40 00
Crusader	7.00		Peru	4 50	40.00
M. Glory	5.00	40.00	Glacier	4.50	40 00

Enchantress, Bountiful and White Lawson ready next month.

CRABB & HUNTER, Grand Rapids, Mich.

Carnations

For Sale. Strong, healthy, field grown plants

	Per 100	1000		Per 100	1000
Lawson	$5.00	$40.00	Sports	$4.00	30.00
Nelson	4.00	30 00	Ine	4 00	30 00
Enchantress	6.00	55.00	White Cloud.	4 00	35.00
Boston M ket	5 00	40.00	Harlowarden	5.00	45 00
Flora Hill	4.00	30.00	Crusader	6 00	50.00

Sprengeri, extra fine, $4.00 per 100.

SCHEIDEN & SCHOOS,
Asbury and Warren Aves., Evanston, Ill.

GERANIUMS.

ROOTED CUTTINGS.

Orders booked for delivery Nov. 1, and after I will have fourteen houses planted to stock plants and can supply you with the right kind of cuttings.

	Per 100	1000
S. A. Nutt, Perkins, Buchner, Doyle	$1.25	$12.50
Viaud, Jaulin Poitevine L. Francis, Ricard, Castellane, Trego	1.50	15 00
Peter Henderson	2.00	20.00
Fleuve Blanc (White Poitevine)	5.00	50.00

These cuttings are carefully grown and will make a better plant than the average pot plant.

ALBERT M. HERR, Lancaster, Pa.

Please mention the American Florist when writing.

ATTENTION.

Now convention is over, look up your stock of Roses, Ferns, Ficus, Celestial Peppers, Jerusalem Cherries, Poinsettias. Write us for prices and sizes. We can and will please you.

GEO. A. KUHL,

Pekin, Ill.

Please mention the American Florist when writing.

FOR SALE.

1,200 Carnations, Lawsons mixed and Enchantress at 3c; 500 Chrysanthemums at 2½c each; about 100 Cypripedium plants at 25c, and 6 nice Bougainvillea Trees at $2.00 each.

JOHN J. FOLEY,

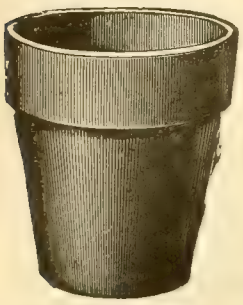
MADISON, N. J. or 226 Bowery, NEW YORK.

Please mention the American Florist when writing.

CARNATIONS Field plants. Enchantress $6.00 per 100; $50. per 1000. Boston Market, $5. per 100; $40. per 1000. Lawson, $5. per 100; $40. per 1000. Red Lawson, $6 per 100; $50. per 1000.

The J. A. BUDLONG & SON CO., Auburn, R. I.

Please mention the American Florist when writing.



The Whilldin Pottery Co.

STANDARD FLOWER POTS

Our output of Flower Pots is larger than any concern in the World
Our Stock is always Large and Complete

Main Office and Factory,

713 WHARTON STREET, PHILADELPHIA

Warehouses: JERSEY CITY, N. J. LONG ISLAND CITY, N. Y.

CLIPPER LAWN MOWER CO. DIXON ILL.

The Mower that will **kill all the Weeds in your Lawn.** If you keep the weeds cut so they do not go to seed and cut your grass without breaking the small feeders of roots, the grass will become thick and the weeds will disappear.

The Clipper will do it. Ask your dealer for them. If they have not got them, below is the price: No. 1—12-inch Mower $5: No. 2—15-inch Mower, $6: No. 3—18-inch Mower, $7: No. 4—21-in. Mower, $8. Send draft, money-order or reg. letter.

THE KELLER POTTERY COMPANY,

Manufacturers of **FLORISTS' RED STANDARD POTS.**

Azalea Pots, Bulb and Fern Pans, Etc.

Write for Price List. 213-15-17-19-21-23 Pearl St., NORRISTOWN, PA.

THE BEST Bug Killer and Bloom Saver.

For **PROOF** Write to

P. R. PALETHORPE COMPANY,

LOUISVILLE, KY.

Please mention the American Florist when writing

To Our Friends:

We are more than pleased at the large number of orders taken for **IONIA POTS** at the **Dayton Convention.** To our patrons and friends who were there and whose kindly commendation and interest in our behalf, materially assisted in securing these orders, we extend our sincere thanks.

IONIA POTTERY COMPANY,
IONIA, MICH.

Standard Flower Pots!

Packed in small crates, easy to handle.

	Price per crate		Price per crate
1500 2-in., in crate,	$4 88	120 7-in., in crate,	$4 20
1500 2¼ "	5.25	60 8 "	3.00
1500 2½ "	6.00	HAND MADE.	
1000 3 "	5.00	48 9-in., in crate,	$3.60
800 3½ "	5.80	48 10 "	4.80
500 4 "	4.50	24 11 "	3.60
320 5 "	4 51	24 12 "	4.80
144 6 "	3.16	12 14 "	4.80
		6 16 "	4.50

Seed pans, same price as pots. Send for price list Cylinders for Cut Flowers. Hanging Baskets, Lawn vases, etc. Ten per cent off for cash with order. Address

HILFINGER BROS. POTTERY, Fort Edward, N. Y
or AUGUST ROLKER & SONS, New York Agents,
31 Barclay Street, New York City.

Please mention the American Florist when writing.

GEO. KELLER & SON,

MANUFACTURERS OF

FLOWER POTS.

Before buying write for prices.

361-363 Herndon Street, near Wrightwood Ave., CHICAGO, ILL.

STANDARD FLOWER POTS

No Charge for Crates or Packing.

Inches	per 1000	Inches	per 100
1½	$ 2.77	7	$ 4.00
2	3.33	8	6.00
2½	3.88	9	8.88
3	5.27	10	13.33
3½	6.10	12	22.22
4	7.77	14	38.88
4½	10.00	16	66.66
5	13 60	20	each, 1.25
6	22.20		

Azalea Pots and Bulb Pans same as **Standard rots** 2 and 2½-in Rose Pots, $3.50 per 1000. These pots are **carefully made,** very strong and porous. Liberal count is given, thereby protecting our patrons against possible breakage. **Above prices subject to 10 per cent. discount for cash.**

A. F. KOHR, 1521-23-25 N. Leavitt St., Chicago.

THOSE RED POTS

"STANDARDS"

FULL SIZE AND WIDE BOTTOMS.
BULB PANS AND AZALEA POTS.

DETROIT FLOWER POT M'F'Y.

HARRY BALSLEY, Rep. DETROIT, MICH. 490 Howard St.

REED & KELLER,

122 W. 25th St., NEW YORK.

FLORISTS' SUPPLIES.

We manufacture all our

Metal Designs, Baskets, Wire Work & Novelties

and are dealers in **Glassware, Pottery, Decorative Greens and all Florists' Requisites.**

Kramer's Pot Hangers

For Sale by Wholesale Seedsmen, Florists and Supply Dealers.

Price, $1.00 per dozen by express. Sample dozen by mail, $1.25.

I. N. Kramer & Son, CEDAR RAPIDS, IOWA.

THE FUMIGATING KIND TOBACCO

KILLS ALL APHIS IN A NIGHT AT A COST OF 15 CENTS.... LET US TELL YOU HOW.

THE H·A·STOOTHOFF CO. 116 WEST ST. NEW-YORK

A. HERRMANN,

Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florists' Supplies.

SEND FOR PRICES.

404-412 East 34th St., NEW YORK.

Red Standard Flower Pots

Price list and samples on application.

PADUCAH POTTERY CO., Inc.

PADUCAH, KENTUCKY.

Tobacco Paper IS THE STONGEST, BEST PACKED, EASIEST APPLIED.

24 sheets.....$ 0.75
144 sheets..... 3.50
288 sheets..... 6.50
1728 sheets..... 35.10

"NICO-FUME" LIQUID

Furnishes the Most Nicotine for the Money!

Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.

OVER 40% NICOTINE.

By far the CHEAPEST.

JUST NOTE PRICES!

Pint.....$ 1.50
½ Gallon..... 5.50
Gallon..... 10.50
5 Gallons..... 47.25

Please mention the American Florist when writing

Satisfaction Guaranteed WHEN USING

MOREHEAD RETURN TRAPS

will return condensation to boilers whether located above or below the coils. An indispensable economy agent to owners of greenhouse steam plants. Send for catalogue.

MOREHEAD MFG. CO.
1047 Grand River Ave., DETROIT, MICH.

SPRAGUE, SMITH CO.

JOBBERS AND MANUFACTURERS OF

Window Glass.

GREENHOUSE GLASS A SPECIALTY.

167-169 Randolph St., **CHICAGO.**

MYERS & CO.
BUILDERS OF
Modern Greenhouses
HEATING BOILERS.
1122 Betz Bldg.,
PHILA., PA.

DO NOT KEEP YOUR "I" ON FIRMS

to see them grow, or to see if they are full-grown, but just glance around at the Enterprising Florists' Supply House with everything new for the trade.

J. STERN & CO.
1928 Germantown Ave., PHILADELPHIA, PA.

L. BAUMANN & CO.,

Importers and Manufacturers of
Florist Supplies

76-78 Wabash Ave., CHICAGO.

Write for our New Catalogue F. Our prices may interest you.

Please mention the American Florist when writing.

WINANDY BROS.

Greenhouse Builders,

3730 N. Lincoln Street. Rogers Park Station. CHICAGO.

Write for our estimates.

The James H. Rice Co.

IMPORTERS and JOBBERS

GREENHOUSE GLASS

A SPECIALTY.

Window Glass, Paint, Putty, etc.

Office and Warehouse: Corner of Michigan, St. Clair and Illinois Streets, CHICAGO.

Now is the Time

to Subscribe to the

Horticultural Trade Journal

Published weekly. The Largest Brightest, and Best British Trade Publication. Also

THE INTERNATIONAL EDITION

Published quarterly. Annual subscription for weekly and quarterly numbers, One dollar, (International money order). Subscribe to-day and keep in touch with European markets and topics.

THE HORTICULTURAL PRINTING COMPANY, BURNLEY, ENGLAND.

Please mention the American Florist when writing.

Weathered Company,

BUILDERS OF

Iron and Cypress Greenhouses, Greenhouse Heating and Ventilating Apparatus.

P. O. Address. Box 789, NEW YORK CITY.

Please mention the American Florist when writing.

MICE PROOF SEED CASES.

SEND FOR BOOKLET.

HELLER & CO., Montpelier, O.

The Regan Printing House

LARGE RUNS OF

CATALOGUES —OUR— SPECIALTY

WRITE FOR FIGURES.

83-91 Plymouth Place, CHICAGO.

FOR SALE.

Tobacco Dust and Stems.

SWISHER BROS.,
Cigar Manufacturers,
NEWARK, - OHIO.

It Reaches The Buyers.

AMERICAN FLORIST CO.:—

I wish to express my appreciation of THE AMERICAN FLORIST as a trade paper. My sales have far exceeded my most sanguine expectations and of our immense stock only a few thousand remain and they are moving rapidly. We find that nearly every state in the Union has its consignments, with Canada also getting into the procession, many orders being repeated.

W. J. OLDS.

UNION CITY, PA., July 30, 1906.

ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the

"Horticultural Advertiser"

This is the British Trade Paper, being read weekly by all the Horticultural traders; it is also taken by over 1000 of the best continental houses. Annual subscription to cover cost of postage 75c; Money orders payable at Lowdham, Notts.

Address Editors of "H. A."

Chilwell Nurseries, LOWDHAM, Notts, England

Please mention the American Florist when writing.

Wired Toothpicks

10,000, $1.50; 50,000, $6.25. Manufactured by

W. J. COWEE, BERLIN, N. Y.

Sample free. For sale by dealers.

Please mention the American Florist when writing.

Index to Advertisers.

Adv rates.....270
Advance Co The....302
Allen J K 279
Amling E C.....275
Andorra Nurseries...284
Aschmann Godfrey..273
Atlanta Floral Co...281
Baller F A.....285
Barrows Henry & Son277
Barteldes Seed Co ..272
Bassett & Washburn.274
Bauman L & Co.....293
Beaven E A.....272
Beckert W C..... II
Benthey-Coatsworth Co.....275
Berckmans P J Co...285
Berning H G.. ... 277
Bertermann Bros Co.280
Blanksma Bros.....291
Boddington A T II
Braslan Seed Co.....282
Breitmeyer's J Sons.280
Brown Peter.....272
Bruns H N..... II
Buckley W T Co....281
Budlong J A.... .. 275
Budlong J A & Son Co.291
Burpee W A & Co...283
Byer Bros.....272
Caldwell the Woodsman Co.....272
Carlton H R.....272
Carmody J D.....302
Central Grhs.....286
Chicago Carnation Co I
Chicago House Wrecking Co.....301
Clark Wm.....289
Cleveland Cut Flo Co281
Clipper Lawn Mower Co..... ...292
Cochran Mushroom & Spawn Co..... II
Cooke Geo H.....280
Cotsonas Geo & Co..279
Cowee W J.....293
Crabb & Hunter.....291
Craig Robert Co.....277
Cross Eli 273
Cunningham Jos H..287
Daniels & Fisher....280
Deamud J B Co 275
Detroit Flo Pot Mfy...292
Dietsch A Co 302
Diller Caskey & Co. III
Dillon J L 281 287
Dillon Mfg Co. 302
Dingee & Conard Co..285
Donohoe W H.....280
Dorner F & Sons Co I
Dreer H A.....294
Dreyer R 286
Dunford J W 281
Edwards Fold'g Box 301
Elliott Wm H 277
Emmans Geo M.....289
Eyers H G.....281
Fell uris A J 279
Fischer R.....287
Florists' Hail As'n....294
Flower Growers Co. 275
Foley John J 291
Foley Mfg Co.....302
Ford Bros.....291
For Sale & Rent.....271
Frey C H 273
Froment H E 279
Garland Geo M.....III
Giblin & Co IV
Globe Eng Co.....302
Grave E T 291
Gude A & Bro 280
Gullett W H & Sons 281
Gundestrup K & Co. II
Gurney Heater Co... IV
Guttman Alex J.....279
Guttman & Weber..278
Hammond's Paint & Slug Shot Works..301
Hansen M A 280
Hart Jas. 279
Hartje John.....291
Hauswirth P J 280
Heller & Co 293
Henshaw A M.....279
Herbert D & Son... 289
Herr Albert M..289 291
Herrmann A.....292
Hess E L.....282
Hess & Swoboda....280
Hews A H & Co.....292
Hilfinger Bros. 292
Hill The E G Co.... I
Hippard E.....III
Hitchings & Co. IV
Holm & Olson.....280
Holton & Hunkel Co 277
Hooker H M Co.....294
Hort Advertiser 293
Hort Trade Journal..293
Humfeld C.....272
Hunt E H 275
Igoe Bros 302
Ionia Pottery Co 292 294
Jackson & Perkins Co.285
Jacobs S & Sons.....III
Jensen & Dekema...275
Johnston Heating Co301
Journal des Roses...272
Kasting W F..... I
Keller Geo & Son...292
Keller Pottery Co...292
Kellogg Geo M 280
Kennicott Bros Co..275
Kentucky Tobacco Product Co.....293
Kervan Co The.....279
Kessler P.....279
King Jas.....285
King Construction Co302
Kohr A F 292
Koppelman E L & Co294
Kramer F H..... 281
Kramer I N & Son..292
Kroeschell Bros Co. 301
Kuehn C A..... 277
Kuhl Geo A.....289 291
Lager & Hurrell.....278
Lange A 280
Langjahr A H 279
Lecakes N & Co.....279
Leedle Floral Co....285
Livingston Seed Co. 280 301
Lockland Lumb'r Co III
Lord & Burnham Co. IV
McConnell Alex.....281
McCullough's J M Sons Co..... 277
McKellar Chas W....275
McKissick W E.....277
Mayberry & Hoover 280
Michael M M.....287
Mich Cut Flower Ex.272
Mills the Florist.....280
Moninger J C Co....III
Moon The Wm H Co 284
Moore Hentz & Nash 279
Morehead Mfg Co...293
Morse C C & Co..... II
Mosbaek L ... .289
Murdoch J B & Co..277
Murray Samuel.....280
Myers & Co..... 293
Nagtagan Gardens Co283
Nanz & Neuner.... 289
Natl Flo Bd of Trade.279
N Y Cut Flower Ex .279
Niessen Leo Co 277
Niuffer C M.....285
Olbertz J 277
Pacific Seed Co.....282
Paducah Pottery 292
Palethorpe P R Co..292
Palmer W J & Son..280
Park Floral Co.....280
Pennock S S.....277
Perfection Chem Co.301
Peterson's Nurs 285
Pierce F O & Co 302
Pierson F R Co....I 282
Pierson U Bar Co....III
Pittsburg Cut Flo Co .277
Pittsburg Florist Ex .277
Pollworth C C Co 280
Poehlmann Bros Co 275 287
Quaker City Machine Works.....302
Randall A L Co.....281
Rawson W W & Co.. II
Raynor J I 279
Ready Refer'nce Adv.295
Reed & Keller... .. 292
Regan Print House..293
Reinberg Peter..275 286
Rice Bros. 272
Rice James H Co....293
Robinson H M & Co.272
Roehrs Julius Co.....285
Sander & Son 278
Scheiden & Schoos..291
Schil o Adam.....294
Schlo-s Bros 273
Schultheis Anton....291
Schulz Jacob 281
Scott John 272
Seligman Jno.....279
Sharp Partridge & Co.301
Sheridan W F..... 279
Sinner Bros. 275
Situations & Wants. 271
Skidelsky S S.....286
Smith Nathan & Son.272
Smith W & T Co.... I
Smits Jacs.....285
Sprague Smith Co...293
Staer J. 284
Standard Pump & Engine Co. IV
Stearns Lumber Co.. IV
Stenzel Glass Co....294
Stern J & Co.....293
Stokes Seed Store...283
Stoothoff H A & Co.292
Storrs & Harrison Co284
Styer J J..... II
Sunnyside Grhs.....281
Swisher Bros.....293
Syracuse Pott ry Co 292
Taylor F G Seed Co. II
Thompson J D Carnation Co..... I
Thorburn J M & Co. II
Totty Chas H 279
Traendley & Schenck279
VanHoutte Pere Sons273
Vaughan & Sperry.. 275
Vaughan's Seed Store ...I II 272 283 289 291
Vick's Sons Jas II
Vincent R Jr & Son..287
Virgin U J 280
Weathered & Co 293
Weber F C 280
Weber H & Sons....281
Weeber & Don II
Weiland & Risch....275
Weinberg F.....287
Welch Bros.....277
Whilldin Pot Co.....292
Wiboltt R II
Wietor Bros.....275
Wild Gilbert H..... 285
Williams Eva S. 285
Wilson Andrew 301
Wilson Robt G.....280
Winandy Bros 293
Winterson E F Co....286
Wittbold Geo Co 275 291
Wolf A Q & Bro.....294
Wood Bros.....281
Wrede H..... II
Young A L & Co....279
Young Thos 279
Zech & Mann.....275

H. M. HOOKER CO.

Window Glass, Paints and Putty.
Greenhouse Glass a Specialty.

59 W. Randolph St., CHICAGO.

STENZEL GLASS CO.,

GREENHOUSE GLASS.

French and American "WHITE ROSE" Brand.

2 Hudson St., NEW YORK.

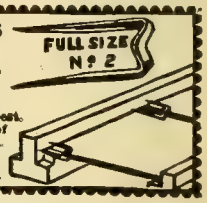
— THE —

Florists' Hail Association

Insures over 23,000,000 square feet of glass. for particulars address

JOHN G ESLER, Sec'y, SADDLE RIVER, N. J.

Holds Glass Firmly
See the Point
PEERLESS
Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
HENRY A. DREER, 714 Chestnut St., Phila., Pa.



Tobacco Dust

FOR FUMIGATING.

It would pay large users of dust to communicate with us and get samples and prices.

Edwin L. Koppelman & Co., 81 PINE STREET, NEW YORK.

Please mention the American Florist when writing.

IONIA POTTERY COMPANY.

If you know of no reason why you have never used IONIA POTS, this should be a sufficient reason why you should use them now.

We never lose a patron because our ware is not the best. 35 years of skilled experience is represented in the making. Let us have your order. We promise entire satisfaction.

A postal will bring our catalogue.

IONIA POTTERY COMPANY, Ionia, Mich.

Please mention the American Florist when writing.

LUMBER

for Greenhouse Benches, Ship Lap, Drop Siding, Sheathing, Flooring, White Cedar Posts, Etc.

We are in special position to furnish **"PECKY CYPRESS"** everything in **PINE** and **HEMLOCK BUILDING LUMBER.** **WRITE FOR PRICES.**

Adam Schillo Lumber Co.

Cor. Weed and Hawthorn St., CHICAGO.
Tel. North 1626 and 1627.

The New **WOLF PIPE**
Ventilating MACHINES

Uses all roller bearing hangers, circular cut gear steel arms, furnished for all kinds of houses

A. Q. WOLF & BRO., Dayton, Ohio.

ANZEIGERATEN DES AMERICAN FLORIST.

Unsere Anzeigeraten sind: für den Zoll der einzelnen Spalte, $1.00 (M. 4.17); für die Seite, 30 Zoll, $30 (M. 125). Bei mehrmaligen Einrückungen werden Diskontoraten gewährt, wie folgt:

6 Einrückungen..... 5%; 26 Einrückungen..... 20%;
13 Einrückungen..... 10%; 52 Einrückungen..... 30%

Raum auf den vorderen Seiten und auf der Rückseite des Umschlages wird nur in Jahreskontrakten und zu $1.00 (M. 4.17) den Zoll netto abgegeben. Zahlungen sind mittels Postanweisung erbeten.

TAUX D'ANNONCES DANS L'AMERICAN FLORIST.

Nos taux d'annonces sont $1.00 (Frs. 5-15) par pouce, largeur simple colonne, $30.00 (Frs. 154-50) par page de trente pouces avec escomptes sur les insertions consécutives, comme suit:

6 insertions..... 5 pour cent. 26 insertions..... 20 pour cent.
13 insertions..... 10 pour cent. 52 insertions..... 30 pour cent.

La place occupée par des annonces sur la première et la dernière couverture ne s'accorde que par contrat annuel au taux de $1.00 (Frs. 5-15), net, par pouce. Faites remise par Mandat-poste International.

Ready Reference Advertising.

ADVERTISEMENTS IN THIS DEPARTMENT 10 CENTS PER LINE, CASH WITH ORDER. COPY MUST REACH US MONDAY OF THE WEEK IN WHICH IT IS TO APPEAR

ALTERNANTHERAS.

Alternantheras, red and yellow, $2 per 100; $15 per 1,000. R. Vincent, Jr., & Son, White Marsh, Md.

AMPELOPSIS.

Ampelopsis. Jackson & Perkins Co., Newark, N Y.

ANTHERICUM.

Anthericums. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

ARAUCARIAS.

Araucaria Excelsa, 5-in., 10 ins., 3 whls., 60c each; $6 per doz. 5-in., 12 to 14 ins., 3 to 4 whls., 75c each; $9 per doz. 6-in., 16 ins., 4 whls., $1 each; **$12 per doz. 6-in., 18 ins., 4 whls., $1.25** each; $15 per doz. 7-in., 22 ins., 5 whls., $1.50 each; $18 per doz. Glauca, 5-in., 12 ins., 3 whls., $1 each; $12 per doz. 6-in., 13 to 15 ins., 3 to 4 whls., $1.25 each; $15 per doz. 7-in., 18 to 20 ins., 4 to 5 whls., $1.50 each; $18 per doz. 7-in., 22 to 24 ins., 4 to 5 whls., $2 each; $24 per doz. 9-in., 30 ins., 4 to 5 whls., $3 each. 9-in., 34 ins., 5 whls., $4 each. Robusta Com., 5-in., 10 ins., 2 whls., $1 each; $12 per doz. 6-in., 12 ins., 2 to 3 whls., $1.50 each; $18 per doz. 7-in., 28 ins., 5 whls., $3 each. 8-in., 32 ins., 5 to 6 whls., $4 each. Vaughan's Seed Store, Chicago and New York.

Araucarias, Excelsa, 12 to 14 ins., 5½-in. pots, 3 to 4 trs., 2-yr., 50c; 14 to 16 ins., 5½-in. pots, 3 to 4 trs., 2-yr., 60c; 16 to 18 ins., 5½ to 6-in. pots, 4 to 5 trs., 3-year, 75c; 18 to 20 ins., 6-in. pots, 5 to 6 trs., 4-yr., $1; 20 to 24 ins., 6-in. pots, 5 to 6 trs., 4-yr., $1.25; 36 to 50 ins., Specimen, 7-in. pots, 5 to 6 trs., 6-yr., $2.50 to $3. A. Compacta Robusta, 12 to 20 ins. high, 3 to 4 trs., 20 to 30 ins., 4 to 5-yr., 6 to 7-in., $1.25, $1.50, $1.75, $2 up to $3 each. A. Excelsa Glauca, 6 to 7-in. pots, 3, 4 and 5 trs., 15 to 25 ins., $1.25, $1.50, $1.75, $2, $2.50 each. G. Aschmann, 1012 Ontario St., Philadelphia.

Araucaria Excelsa, 4-in., 2 to 3 trs., 35c each; $4 per doz.; 5-in., 3 trs., 75c each; $9 per doz.; 6-in., 3 to 4 trs., $1 each; $12 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Araucarias. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

Araucaria Excelsa. R. Dreyer, Woodside, L. I., N. Y.

Araucarias. L. Van Houtte Pere, Ghent, Belgium.

ASPARAGUS.

Asparagus plumosus, 2-in., $3 per 100; 3-in., $6. Sprengeri, 2-in., $3 per 100; 3-in., $6; 4-in., $1.25 per doz.; 5-in., $2. Scandens Defi, 3-in., $1.50 per doz.; 4-in., $2 per doz. George Wittbold Co., 1657 Buckingham Pl., Chicago.

Asparagus plumosus plants just as they come from the flats, $1 per 100; $8 per 1,000 plants. Also Asparagus Sprengeri from 2¼-in. pots, $2 per 100. B. H. Haverland, Pleasant Run, Ohio.

Asparagus plumosus nanus, 2¼-in., $2 per 100; seedlings, $1 per 100; $9 per 1,000, or will exchange for some white carnations from field. H. L. Lauscher, Knoxville, Tenn.

Asparagus, 2½-in., plumosus, $3.50 per 100; $30 per 1,000. Sprengeri, $3 per 100; $25 per 1,000; field clumps, $6 per 100. J. W. Dunford, Clayton, Mo.

Asparagus plumosus and Sprengeri, 2-in., $3 per 100; $25 per 1,000; from bench, $2.50 per 100; $20 per 1,000. Wm. Clark, Colorado Springs, Col.

Asparagus plumosus and Sprengeri, 4-in., $10; 3-in., $5; 2¼-in., $2.50 per 100. Seedlings, $10 per 1,000. Ludvig Mosbaek, Onarga, Ill.

Asparagus plumosus, 2¼-in., $2 per 100. Seedlings, $1. Sprengeri seedlings, $1 per 100. Jos. H. Cunningham, Delaware, O.

Asparagus plumosus, 2¼-in., $3 per 100. John Scott, Rutland Rd. and 45th St., Brooklyn, N. Y.

Asparagus plumosus, 3-in., 6c; 4-in., 10c. G. Aschmann, 1012 Ontario St., Philadelphia.

Asparagus plumosus, from 2¼-in., $2 per 100. W. T. Buckley Co., Springfield, Ill.

Asparagus plumosus. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

Asparagus plumosus and Sprengeri, 2-in., 2c. Byer Bros., Chambersburg, Pa.

Asparagus robustus, $5 per 100; $40 per 1,000. Sprengeri, $2 per 100; $15 per 1,000. A. M. Herr, Lancaster, Pa.

Asparagus Sprengeri, 3-in., $5 per 100. Plumosus, 3-in., $6 per 100; 2-in., $2.50 per 100; $20 per $1,000. Wm. F. Kasting, 383 Ellicott St., Buffalo, N. Y.

Asparagus Sprengeri, 2-in., $1.20 per 100; $18 per 1,000. Plumosus, 2-in., $2.50 per 100; $22 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Asparagus Sprengeri, 2-in., $20 per 1,000. Plumosus, 2½-in., $30 per 1,000. E. G. Hill Co., Richmond, Ind.

Asparagus Sprengeri, 2-in., $2.50 per 100; plumosus, 2-in., $3 per 100. Geo. M. Emmans, Newton, N. J.

ASPIDISTRA.

Aspidistras, all sizes. Write for prices. Frank Huntsman, Cincinnati, O.

Aspidistras. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

AZALEAS.

Azaleas. L. Van Houtte Pere, Ghent, Belgium.

Azaleas, Jacs Smits, Ltd., Naarden, Holland.

BAY TREES.

Bay trees, standards and pyramids. Julius Roehrs Co., Rutherford, N. J.

Bay trees. A. Schultheis, 19th and 4th Ave., College Point, L. I., N. Y.

Bay trees, fine stock. R. Dreyer, Woodside, L. I., N. Y.

Bay trees. L. Van Houtte Pere, Ghent, Belgium.

BEGONIAS.

Begonia Rex. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

Begonia Rex, 2 and 2½-in., $5 per 100. Geo. M. Emmans, Newton, N. J.

Begonia Rex, 2½ and 3-in., 5 per 100. Nathan Smith & Son, Adrian, Mich.

Begonias, 8 kinds, 2-in., 2½ c. Byer Bros., Chambersburg, Pa.

Begonias. L. Van Houtte Pere, Ghent, Belgium.

BOUVARDIAS.

Bouvardias, pink and white, 8 per 100. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Bouvardias, Nanz & Neuner, Louisville, Ky.

BOXWOOD.

Boxwood pyramids. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

BULBS, ROOTS, TUBERS.

Bulbs, Callas, 1¼ to 1½ in., $5 per 100; $45 per 1,000; 1½ to 2 in., $7 per 100; $65 per 1,000. Roman Hyacinths, Paper Whites and freesias. Vaughan's Seed Store, Chicago and New York.

Bulbs, Narcissus Paper White Grand., 13 cm. and up, 1,250 to case, $11.25 per case; $1 per 100. White Roman hyacinths, 12 to 15 cm., 1,800 to case, $2.50 per 100; $23 per 1,000. Freesia Refracta alba, ½-in. up, $7.50 per 1,000. Bermuda Buttercup Oxalis, $1 per 100; $7.50 per 1,000. Lilium Harrisii, 6 to 7 in. bulbs, 335 to case, $13.50 per case, $5 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Bulbs, Benguet forcing lily (L. Philippinensis), ¾ to 1-in., $45; 1¼ to 1½-in., $55; 1¾-in. and over $100 per 1,000, f. o. b. Manila. Mail samples, prepaid, $2, $3 and $5 per doz. Nagtagan Gardens Co., Manila, P. I.

Bulbs, home-grown freesias, large size, $1 per 100; $7 per 1,000; blooming size, 75c per 100; $4.50 per 1,000; small blooming size, 50c per 100; $3.50 per 1,000. Stokes Seed Store, 219 Market St., Philadelphia.

Bulbs, L. Harrisii, R. hyacinths, P. W. narcissus, freesias. Weeber & Don, 114 Chambers St., New York.

Bulbs, hyacinths, tulips, narcissus, crocus, lilies, etc. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs, Narcissus Empress and Henry Irving, Candidum lilies. E. F. Winterson Co., 45 Wabash Ave., Chicago.

Bulbs of all kinds. Currie Bros. Co., 308 Broadway, Milwaukee, Wis.

Bulbs of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Cannas, 5 vars., field-grown clump, $15 per 100. Jos. H. Cunningham, Delaware, O.

Cannas of all vars. Dingee & Conard Co., West Grove, Pa.

Cannas in var. Ludvig Mosbaek, Onarga, Ill.

Iris, German, mixed vars., $2 per 100. James Vick's Sons, Rochester, N. Y.

Lily of the valley, finest cold storage pips. H. N. Bruns, 1409-1411 W. Madison St., Chicago.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

CACTI.

Cacti. All the Mexican varieties are sold by J. Balme & Co., Mexico City, P. O. Box 628. Illustrated and descriptive culture catalogue sent on receipt of 10c in postage stamps. Price list free.

Cacti, odd and rare plants; large Cereus giganteus, 5 to 7 feet, 10c per lb. F. Weinberg, Woodside, L. I.

CARNATIONS.

Carnations, Lawson, B. Market, $5 per 100; $40 per 1,000. Nelson F. Hill, Sports, Ine, $4 per 100; $30 per 1,000. Enchantress, $6 per 100; $55 per 1,000. W. Cloud, $4 per 100; $35 per 1,000. Harlowarden, $5 per 100; $45 per 1,000. Crusader, $6 per 100; $50 per 1,000. Scheiden & Schoos, Asbury and Warren, Evanston, Ill.

Carnations, field-grown, Lady Bountiful, Cardinal, Buttercup, $7 per 100. Enchantress, Flamingo, Lawson, Roosevelt, Queen, M. A. Patten, $6 per 100. Queen Louise, F. Hill, J. H. Manley, Portia, Prosperity, Eldorado, Crocker, Dorothy, $5 per 100. J. L. Dillon, Bloomsburg, Pa.

Carnations, field plants, Pink Patten, large, 12c; Nelson Fisher, small, 6c; Robert Craig, med., 12c; Victory, med., 12c; Mrs. Lawson, large, 6c; Abundance, small, 8c. Vaughan's Seed Store, Chicago and New York.

Carnations, Flamingo, Prosperity, Wolcott, Harlowarden, $6 per 100; $50 per 1,000. B. Market, $4.50 per 100; $40 per 1,000. Q. Louise, $4 per 100; $35 per 1,000. Norway, $4 per 100; $30 per 1,000. J. W. Dunford, Clayton, Mo.

If you do not find what you need in our Ready Reference Department, write us about it

CARNATIONS.

	100	1,000		100	1000
Pink.			White.		
Fiancee	$6		B. Market	$5	$45
Lawson	6	$50	F. Burki	7	60
N. Fisher	7	60	F. Hill	5	45
G. Angel	4	35	W. Cloud	5	45
M. Glory	4	35	Red and Crimson.		
White.			Chicago	$5	$45
L. Peary	8	75	H'warden	6	50

Wietor Bros., 51 Wabash Ave., Chicago.

Carnations, field-grown, Lawson, Estelle, $5 per 100; $40 per 1,000. Nelson, F. Hill, G. Angel, $3 per 100; $25 per 1,000. N. Fisher, Enchantress, Fiancee, $7 per 100; $60 per 1,000. Mrs. Patten, Lady Bountiful, $6 per 100; $50 per 1,000. M. Glory, $4 per 100; $30 per 1,000. B. Market, $4 per 100; $35 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

Carnations, field-grown, Lady Bountiful, W. Lawson, Cardinal, Skyrocket, $7 per 100; $60 per 1,000. Enchantress, $7 per 100. Mrs. Lawson, Crusader, $6 per 100; $50 per 1,000. Fair Maid, $6 per 100. Glendale, $12 per 100; $100 per 1,000. Prosperity, Harlowarden, $5 per 100; $40 per 1,000. Chicago Carnation Co., Joliet, Ill.

Carnations, Lawson. F. Hill, $5 per 100; $45 per 1,000. B. Market, $6 per 100; $50 per 1,000. Crusader, $7 per 100. M. Glory, Norway, Prosperity, $5 per 100; $40 per 1,000. G. Angel, Peru, Glacier, $4.50 per 100; $40 per 1,000. Crabb & Hunter, Grand Rapids, Mich.

Carnations, field-grown, Mrs. T. Lawson, $5 per 100; $45 per 1,000. W. Lawson, $6 per 100; $50 per 1,000. Wolcott, Prosperity, The Belle, Red Sport of Maceo, Elsie Martin, Fiancee, $4 per 100; $35 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Carnations, Enchantress, Flamingo, $5 per 100; $45 per 1,000. N. Fisher, $5.50 per 100; $50 per 1,000. Prosperity, Harlowarden, Crane, $4.50 per 100; $40 per 1,000. M. Glory, Glacier, P. Lawson, $4 per 100; $35 per 1,000. Blanksma Bros., Grand Rapids, Mich.

Carnations, field-grown, Lawson, Wolcott, Estelle, $6 per 100; $55 per 1,000. B. Market, Hill, Norway, Lord, Joost, Lawson, $5 per 100; $45 per 1,000. W. H. Gullett & Sons, Lincoln, Ill.

Carnation, field-grown, good, healthy stock, high land grown, Lawson, Prosperity, Enchantress, Queen Louise, Boston Market, Lady Bountiful, Joost, Crane, Estelle, Apollo. Thos. Salveson, Petersburg, Ill.

Carnations, field-grown plants, strong, clean stock, ready to ship. Lawson, Enchantress, Queen, Boston Market, Flora Hill, G. Lord, $5 per 100; $45 per 1,000. Cash. Holton & Hunkel, Milwaukee, Wis.

Carnations, field - grown, Lawson, Wolcott, B. Market, short stocky plants, twice pinched. No stem rot; will ship well, $5 per 100; $45 per 1,000. Henry F. Piggott, 2311 Pearl St., Cleveland, O.

Carnations, Lawson, Harlowarden, $6 per 100. W. Cloud, Prosperity, Q. Louise, Crocker, Joost, $5 per 100. B. Market, $5.50 per 100. United States Cut Flower Co., Elmira, N. Y.

Carnations, field-grown, 125 Lawson, 45 Bountiful, 115 Q. Louise, 19 Mrs. Patten, 50 Boston Market, 95 Glazier, 25 red, name not known, 45 No. 15 pink. John Beimford, Wilton Junction, Iowa.

Carnations, Q. Louise, Prosperity, Harlowarden, America, Wolcott, Her Majesty, Estelle, $5 per 100. Lady Bountiful, $7 per 100. Joost, Kohinoor, $4 per 100. C. H. Frey, Lincoln, Neb.

Carnations, field-grown, Patten, Fiancee, Cardinal, Sunbird, Fair Maid, $5 per 100. Belle, $6 per 100. Prospector, $4 per 100. S. S. Skidelsky, 824 N. 24th St. Philadelphia

Carnations, field-grown, No. 1 stocky plants, Lawson, Mrs. Nelson, Harlowarden, Joost, Norway, $5 per 100. William L. Rock Flower Co., Kansas City, Mo.

Carnation plants from field for August delivery; Robert Craig, Mrs. M. A. Patten, Enchantress and Boston Market. J. D. Thompson Carnation Co., Joliet, Ill.

Carnations, field-grown plants, Enchantress, Lawson, White Cloud, Flora Hill, Crane and Queen, $4 per 100. G. Van Bochove & Bro., Kalamazoo, Mich.

Carnations, Abundance, field-grown, 1st size, $12 per 100; $100 per 1,000; 2nd size, $10 per 100; $75 per 1,000. R. Fischer, Great Neck, L. I., N. Y.

Carnations, B. Market, F. Hill, Q. Louise, Pink Lawson, M. Glory, W. Cloud, Crane, $4 per 100. Sunnyside Greenhouses, Owosso, Mich.

Carnations, field-grown, not stunted by the drought. Write for prices on standard and new varieties. A. C. Canfield, Springfield, Ill.

Carnation Victory, field-grown, 1st size, $15 per 100; 2nd size, $12; 3rd size, $10. Guttman & Weber, 43 W. 28th St., New York.

Carnations, Enchantress, $5 per 100; $45 per 1,000. Mrs. T. Lawson, $4.50 per 100; $35 per 1,000. Eli Cross, Grand Rapids, Mich.

Carnations, Enchantress, Patten and Nelson Fisher the three leaders. Write at once. Isaac A. Passmore, West Chester, Pa.

Carnation, Enchantress, $6 per 100. P. Lawson, $5 per 100. Flamingo, $4.50 per 100. M. M. Michael, Dansville, N. Y.

Carnations, Enchantress, Lawson, Q. Louise, $5 per 100. Pittsburg Florists' Exchange, 228 Diamond St., Pittsburg, Pa.

Carnations, extra fine Joost, Wolcott and Queen Louise plants, $3 per 100. J. W. Munk & Son, Mt. Gilead, O.

Carnations, Enchantress, $6; Prosperity, G. Lord, Q. Louise, Estelle, $5. Central Greenhouses, Sandusky, O.

Carnations, Lawson's mixed, Enchantress, 3c. John J. Foley, 226 Bowery, New York.

Carnations, field-grown, standard vars. Leo. Niessen Co., 1217 Arch St., Philadelphia.

Carnations, Lady Bountiful and Phyllis. E. F. Winterson Co., 45 Wabash Ave., Chicago.

Carnation Mabelle, $12 per 100; $100 per 1,000. H. Weber & Sons Co., Oakland, Md.

Carnations, Candace, $12 per 100. John Hartje, 3129 N. Illinois St., Indianapolis, Ind.

Carnations, White Perfection, $12 per 100. F. Dorner & Sons Co., La Fayette, Ind.

Carnations, Queen Louise, $4 per 100. Jos. H. Cunningham, Delaware, O.

Carnation, Bertha Rath. R. Dreyer, Woodside, L. I., N. Y.

Carnations, field-grown. H. Weber & Sons Co., Oakland, Md.

Carnations, field-grown. Nanz & Neuner, Louisville, Ky.

Carnations, for fall delivery. Wood Bros., Fishkill, N. Y.

Carnations, field-grown. E. T. Grave, Richmond, Ind.

CHRYSANTHEMUMS.

Chrysanthemums, G. of Pacific, Polly Rose, Soleil d'October, Robinson, Ivory, Appleton, Pink Ivory, $3 per 100. J. Jones, Mrs. Robert McArthur, Mrs. Coombes, G. Wedding, Yellow Eaton, Monrovia, $4 per 100. Lady Roberts, A. J. Balfour, Wm. H. Chadwick, $6 per 100. Glenview, $25 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Chrysanthemums. Time yet to secure a crop of Xmas bloom; also a crop of dollars by planting the queen of late 'mums, Jeanne Nonin. Only a few thousand left of our immense stock, 4-in., 10c; 2½-in., 5c; R. C., 3c, and going fast. W. J. Olds, Union City, Pa.

Chrysanthemums, 5,000 best sort, 2½-in. pot plants. Benj. Connell, West Grove, Pa.

Chrysanthemums, 2-in., $2 per 100; $18 per 1,000. C. Humfeld, Clay Center, Kan.

Chrysanthemums, 2½c each. J. J. Foley, 226 Bowery, N. Y.

Chrysanthemum novelties. Chas. H. Totty, Madison, N. J.

Chrysanthemums. Wood Bros., Fishkill, N. Y.

CIBOTIUMS.

Cibotium Schiedei. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

COBOEA.

Coboea Scandens, 4-in., $8 per 100. Godfrey Aschmann, 1012 Ontario St., Philadelphia, Pa.

COLUMBINES.

Rocky Mountain Columbine. We have true blue. Can force for Easter; strong plants, 6-in., $4 per doz.; 4-in., $2 per doz.; 2-in., $1. F. X. Goeschl, 771 Franklin St., Denver, Col.

CROTONS.

Crotons. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

CYCLAMENS.

Cyclamens, asst., 3½ in. at 6c. Holton & Hunkel Co., Milwaukee, Wis.

DAHLIAS.

Dahlias, Improved Countess of Lonsdale, cactus type, 6 for $1; $1.75 per doz., $12 per 100. Arthur T. Boddington, 342 W. 14th St., New York.

Dahlia roots. R. Vincent, Jr. & Son, White Marsh, Md.

DAISIES.

Daises, white and yellow, $1 per 100; $8 per 1,000. C. Humfeld, Clay Center, Kan.

Daises. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

DEUTZIAS.

Deutzias, in variety. W. & T. Smith Co., Geneva, N. Y.

DRACAENAS.

Dracæna fragrans, 5-in., 50c each; $5 per doz.; D. indivisa, 2-in., $2.50 per 100; 6-in., 20 to 26 ins., 50c each; $5 per doz.; 7-in., 30 to 34 ins., 75c each; $9 per doz. D. Mass., 8-in., $2 each; 9-in., $3 each. D. Ter., 4-in., 25c each; $3 per dozen; 5-in., 35c each; $4.20 per dozen. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Dracæna Terminalis and Fragrans. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

Dracaena indivisa, 4 and 5 in., $10 and $25 per 100. Geo. M. Emmans, Newton, N. J.

Dracæna Ind., 3-in., $5; 4-in., $10. Ludvig Mosbaek, Onarga, Ill.

FARFUGIUMS.

Farfugium Grande, 3½-in., $10 per 100; 5-in., $15 per 100. Nanz & Neuner, Louisville, Ky.

FERNS.

Ferns, prepaid, Boston, 4-in., 18c; 5-in., 30c; 6-in., 45c; 8-in., $1.25; 10-in., $1.75; Pierson fern, 4-in., 20c; 5-in., 35c; 6-in., 50c; 8-in., $1.50; 10-in., $2 each. Anna Foster, same prices as Pierson fern. N. Wittboldi and N. Washingtoniensis, 2½-in., 6c; 3-in., 12c; 4-in., 25c; 6-in., 50c; 8-in., $2 each. N. Barrowsii, 2½-in., 8c; 3-in., 25c; 4-in., 40c; 6-in., 75c; 8-in., $2.50; 10-in., $4 each. N. Whitmani, 2½-in., 25c; 4-in., 60c; 6-in., $1.25 each. N. Elegantissima, 2½-in., 8c each. B. N. Wichers & Co., Gretna, La.

Ferns, Adiantum Capillus, 5-in., $2 per doz. Boston, 4-in., $1.50 per doz.; 5-in., $3; 6-in., $4.20; 6-in., strong, $6; 7-in., $9. Large specimens, $1.50, $2, $3 each. Assorted ferns for dishes, $3 per 100; $25 per 1,000. Scottii, 10-in., $2 each. Fern Balls, 7 to 9 dormant or in leaf, $4.20 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Ferns, N. Barrowsii, 6-in., 50c; 4-in., 25c. Scottii, 6-in., 50c; 5½-in., 40c; 5-in., 35c; 4-in., 20c to 25c. Boston, 4-in., 20c to 25c. Ferns for dishes, 2½-in., $5 per 100; 3-in., 7c. G. Aschmann, 1012 Ontario St., Philadelphia.

Ferns, Boston, 3 and 3½-in., $10 and $12. W. H. Gullett & Sons, Lincoln, Ill.

If you do not find what you need in our Ready Reference Department, write us about it.

Ferns, Anna Foster, Boston, Piersoni and Sword, 6-in., $40 per 100; $6 per doz., 4-in., $15; 3-in., $8. Elegantissima, 4-in., $50; 3-in., $20; 2¼-in., $12 per 100. Boston and Piersoni runners, $30 per 1,000. Ludvig Mosbaek, Onarga, Ill.

Ferns, Boston, true type, fine 3-in. plants ready for shift, $8 per 100. Nephrolepis Cordata Compacta, 6-in., 25c; 5-in., 15c each. Cash from unknown correspondents. James Truitt & Sons, Chanute, Kas.

Ferns, Scottii, small plants from benches, $5 per 100; $50 per 1,000. Plants for 6-in. pots, $25 per 100; plants for 7 and 8-in. pots, $50 per 100. John Scott, Rutland Rd. and 45th St., Brooklyn, N. Y.

Ferns, N. Piersoni Elegantissima, 2¼-in. pots, $12 per 100; specimen plants, 6-in., $1 each; 8-in., $2; 10-in., $3; 12-in., $5; 14-in., $7.50; 16-in., $10. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns, from bench, Boston and Piersoni, 4-in., 10c; 5-in., 12½c. Tarrytown, 3-in., 10c; 4-in., 15c; 5-in., 25c. Scottii, 3-in., 8c; 4-in., 12½c; 5-in., 15c. Byer Bros., Chambersburg, Pa.

Ferns, Bird's Nest, Scottii, Elegantissima, Piersoni, Boston, Johnsoni, Fern balls. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

Ferns, N. Whitmani, 2¼-in., $25 per 100. Boston, 2¼-in., $3 per 100. H. H. Barrows & Sons, Whitman, Mass.

Ferns, Boston, 5-in., 30c each. Piersoni, 6-in., 50c each. Geo. M. Emmans, Newton, N. J.

Ferns, from $2 to $24 per doz. in 2 to 6-in. pots. C. H. Totty, Madison, N. J.

Ferns, Bostons, splendid stock at 25c. Holton & Hunkel Co., Milwaukee, Wis.

Ferns, Boston, 2½-in., $4 per 100. Nanz & Neuner, Louisville, Ky.

Fernery ferns, 2½-in. at $3 per 100. Holton & Hunkel Co., Milwaukee, Wis.

Ferns, all leading varieties. R. Dreyer, Woodside, L. I., N. Y.

Ferns. J. Staer, Wohroonga, N. S. W., Australia.

Ferns. Geo. A. Kuhl, Pekin, Ill.

FICUS.

Ficus elastica, 6-in., 50c each. G. Aschmann, 1012 Ontario St., Philadelphia.

Ficus. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

Ficus. Geo. A. Kuhl, Pekin, Ill.

GARDENIAS.

Gardenia Veitchii. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

GERANIUMS.

Geraniums, from 2-in. pots. Alliance, Lemoine 1905, 25c each; $2 per doz. Fleuve Blanc, $1.50 per doz.; $10 per 100. Cactus, 4 vars., $2 per doz.; $15 per 100. Double Dryden, $1 per doz.; $5 per 100. Nutt, Le Pilote, Poitevine, Mme. Barney, Centaure, Kendall, Mme. Jaulin, Viaud, Mmme. Charotte, 40c per doz.; $2 per 100; $18 per 1,000. Ville de Poitiers, M. de Castellane, Berthe de Presilly, M. Jolly de Bammeville, T. Meehan, 50c per doz.; $3 per 100; $25 per 1,000. R. Vincent, Jr. & Son, White Marsh, Md.

Geraniums, rooted cuttings, Nutt, Perkins, Buchner, Doyle, $1.25 per 100; $12.50 per 1,000. Viaud, Jaulin, Poitevine, L. Francis, Ricard, Castellane, Trego, $1.50 per 100; $15 per 1,000. Peter Henderson, $2 per 100; $20 per 1,000. Fleuve Blanc, $5 per 100; $50 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, S. A. Nutt, Castellane, John Doyle, Perkins, Double Gen. Grant, La Favorite, Poiteville, Mme. Salleroi, 2-in. pots, $2 per 100; 3-in. pots, $4 per 100. R. C., $1 per 100. Geo. M. Emmans, Newton, N. J.

Geraniums, from 2½-in. pots, $1.50 per 100; $14 per 1,000. B. Poitevine, Mrs. E. G. Hill, Nutt, Mme. Buchner, W. T. Buckley Co., Springfield, Ill.

Geraniums, stock plants, standard vars., $6 per 100; $50 per 1,000. Ludvig Mosbaek, Onarga, Ill.

Geraniums, best vars., 2½-in., $2 per 100; $18 per 1,000. C. Humfeld, Clay Center, Kan.

GLOXINIAS.

Gloxinias. L. Van Houtte Pere, Ghent, Belgium.

GREENS.

Greens, dagger and fancy ferns, $1 per 1,000. Bronze and green galax, $1 per 1,000; 10,000 lots, $7.50. Bouquet green, per 100 yds., $7. Laurel festooning, 5c and 6c per yd. Laurel wreaths, $3 per doz.; branch laurel, per bunch, 50c. Boxwood, per lb., 20c. Leucothoe sprays, per 100, $1. Green and Spaghnum moss, $1 per barrel. Lyrata (new). H. M. Robinson & Co., 8 Province St., Boston, Mass.

Greens, new decorative green branches of the Huckleberry tree. New crop hardy ferns, fancy, $1.25 per 1,000; dagger, $1 per 1,000. Caldwell The Woodsman Co., Evergreen, Ala.

Greens, galax, leaves, ferns and leucothoe sprays, holly. Princess pine, all kinds of evergreens. Galax leaves, $1 per 1,000. N. Lecakes & Co., 53 W. 28th St., New York.

Greens, cut palmetto and cycas palm leaves, galax, leucothoe, ferns, mosses and all decorating exergreens. The Kervan Co., 20 W. 27th St., New York.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 52 W. 28th St., New York.

Greens, fancy ferns, $1 per 1,000. Galax, $1.25. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. A. J. Fellouris, 52 W. 28th St., New York.

Greens, smilax and all southern evergreens. E. A. Beaven, Evergreen, Ala.

Greens, fancy or dagger ferns, 75c. Perkins, Newark, N. J.

HIBISCUS.

Hibiscus Syriacus Meehani. P. J. Berckmans Co., Inc., Augusta, Ga.

HOLLYHOCKS.

Hollyhock, Myosotis, Pansies, all seeds. Hasslach & Roumanille, seed growers, St. Remy de Provence, France.

HONEYSUCKLES.

Honeysuckles, 4-in. pots, $8 per 100. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

HYDRANGEAS.

Hydrangea Otaksa, field-grown, $1.50 and $2 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Hydrangeas. Jackson & Perkins Co., Newark, N. Y.

IVY.

Ivy, hardy English, $2 per 100; $15 per 1,000. R. Vincent, Jr. & Son, White Marsh, Md.

Ivy, English. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

JERUSALEM CHERRIES.

Jerusalem Cherries, 2½-in., $5 per 100. G. Aschmann, 1012 Ontario St., Philadelphia.

Jerusalem Cheries, 2½-in., $2 per 100. Byer Bros., Chambersburg, Pa.

Jerusalem cherries. Geo. A. Kuhl, Pekin, Ill.

MARANTAS.

Maranta Lietzii, 2½-in., $1 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

MUSHROOM SPAWN.

Mushroom Spawn, "Pure Culture" spawn, and importers of English mushroom spawn. Knud Gundestrup & Co., 4273 Milwaukee Ave., Chicago.

Mushroom spawn, Columbia, Alaska, Bohemia. Cochran Mushroom & Spawn Co., 911 Chemical Bldg., St. Louis, Mo.

Mushroom Spawn, superior strains of Pure Culture Spawn. E. L. Hess, 604 La Salle Ave., Chicago.

Mushroom Spawn, English and pure culture. Weeber & Don, 114 Chambers St., New York.

Mushroom Spawn, frequent importations from England. J. J. Styer, Concordville, Pa.

MYRTLE.

Myrtle, creeping, 2¼-in., $2.50 per 100; $20 per 1,000. Ludvig Mosbaek, Onarga, Ill.

NASTURTIUMS.

Nasturtiums, double, yellow and red, strong budded plants, 4-in., $1.25 per doz.; 2½-in., 75c per doz. F. X. Goeschl, 771 Franklin St., Denver, Col.

NURSERY STOCK.

Nursery stock, hothouse, grape vines, fine, strong 2 and 3 year old canes. Black Hamburg, Muscat, Alexander and other varieties. Rose Hill Nurseries, New Rochelle, N. Y.

Nursery stock, dwarf and standard roses, rododendrons, clematis, conifers, ornamental trees and general nursery stock. Geo. Jackman & Son, Surrey, England.

Nursery stock, shade trees, fruit trees, small fruits, shrubs, clematis, Barberry Thunbergii. W. & T. Smith Co., Geneva, N. Y.

Nursery stock, trees and shrubs. Price list on application. Peterson's Nursery, 503 W. Peterson Ave., Chicago.

Nursery stock, evergreen and deciduous flowering shrubs and vines. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, pot-grown shrubs, conifers and ornamental stock. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, large trees, oak, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery Stock, ornamental trees and shrubs, eucalyptus. J. Staer, Wahroonga, N. S. W., Australia.

Nursery stock, plants and shrubbery of all kinds. Dingee & Conard Co., West Grove, Pa.

ORCHIDS.

Orchids. All the Mexican varieties are sold by J. Balme & Co., Mexico City, P. O. Box 628. Illustrated and descriptive culture catalogue sent on receipt of 10c in postage stamps. Price list free.

Orchids, C. Dowiana, C. gigas, C. Mossiæ, C. Percivaliana, C. Speciosissima, C. Eldorado, C. superba, C. labiata, C. Leopoldii. Lager & Hurrell, Summit, N. J.

PALMS.

Palms, Areca lutescens, 5-in., 50c each; $5 per doz. Cocos, 2½-in., $1.50 to $1.75 per doz.; C. Bonetti, specimens, $40 each. Kentia Bel., 3-in., $2 per doz.; 4-in., $3.60 per doz.; 5-in., 60c each, $7.20 per doz.; 6-in., xx, $1.25 each, $15 per doz.; 7-in., $2.50 each, $30 per doz.; Kentia Fors., 5-in., 60c each, $7.20 per doz.; 6-in., $1.25 each, $15 per doz.; 7-in., $2 each, $24 per doz. Phœnix Can., 2-in., $1 per doz.; 5-in., $5 per doz.; 10-in., $3 each; large specimens, $25 to $30 each. Phœnix Recli, 3½-in., $2 per doz.; 4-in., $3 per doz.; 6-in., 50c each, $6 per doz.; 7-in., 75c each. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Palms, Kentia Fors., 6-in. pots, 35 to 40 ins., $1.25; $1.50; 30 to 35 ins., 4-yr., $1; 5½-in., 25 to 30, 3-yr., 75c; 4-in., made-up, 3 plants to pot, 18 to 20 ins., 25c to 30c. K. Bel., 6-in., 5 to 6 leaves, 30 to 35 ins., $1.25; 5½ to 6 ins., 5 to 6 leaves, 75c to $1. K. Fors., 7-in., made-up, 22 to 24 ins., $2 each. Cocos Wed., 15c. Areca Lutescens, made-up, 4-in. pots, 25c. Cycas Revoluta, 6 to 7 in., 7 to 20 leaves, 10c per leaf. G. Aschmann, 1012 Ontario St., Philadelphia.

Palms, Kentia, 3-in., $12. Phœnix Can., 4-in., $20 per 100. Ludvig Mosbaek, Onarga, Ill.

If you do not find what you need in our Ready Reference Department, write us about it.

Palms, Kentia Fors. and Bel., Phœnix Can., Cycas Revoluta, Livistona sinensis, Areca Lutescens. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

Palms, Latania Borb., 2¼-in., $4 per 100; 4½-in., $25 per 100; 5-in., $30 per 100. Kentia Bel., 3½-in.. $20 per 100; 4¾-in., $30 per 100. Nanz & Neuner, Louisville, Ky.

Palms of all kinds. R. Dryer, Woodside, L. I., N. Y.

Palms. J. Staer, Wahroonga, N. S. W., Australia.

Palms. L. Van Houtte Pere, Ghent, Belgium.

PANDANUS.

Pandanus Veitchii. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

PANSIES.

Pansy plants, best plants in the market, 50c per 100; $3 per 1,000; transp., $1 per 100. H. L. Lauscher, Knoxville, Tenn.

Pansies, Intern. strain, seedlings, $3 per 1,000. Seed, $6 per oz.; ⅛ oz., $1 prepaid. Ludvig Mosbaek, Onarga, Ill.

Pansies, $3 per 1,000; 50c per 100. Jos. H. Cunningham, Delaware, O.

Pansies, giant prize, mixed colors, $3 per 1,000. Peter Brown, Lancaster, Pa.

PEONIES.

Peonies, Alba Plena, Eclatante, Ne Plus Ultra, Rothschild, Rubra Triumphans, $2 per doz.; $12 per 100. Beresford, Delachii, Lemoine, Queen Victoria, Rosamond, Rosea Superba, Washington, Whitleyii, $2.50 per doz.; $15 per 100. Delicatissima, $4.50 per doz.; Festiva Alba, $3.50 per doz.; $25 per 100. Festiva Maxima, La Tulipe, $5 per doz.; $35 per 100. Floral Treasure G. Harvest, $4.50 per doz.; $30 per 100. Globosa, $1.50 per doz.; $10 per 100. Grandi. Rubra, $4 per doz.; $20 per 100. Humei, $1.50 per doz.; $10 per 100. Marie Lemoine, $4 per doz.; $25 per 100. Offi. Rubra Plena, $1.50 per doz.; $8 per 100; $75 per 1,000. Somerset, $3 per doz.; $20 per 100. Mixed vars., per 100, $8; per 1,000, $75. James King Nursery, Elmhurst, Ill.

Peonies. We have an exceptional fine lot of peonies which we imported ourselves and are the sorts best suited to grow on for cut flowers. The famous Festiva Maxima being among them. We will close out this entire lot cheap. If interested write for prices immediately. First come, first served. E. F. Winterson Co., 45-47-49 Wabash Ave., Chicago.

Peonies, Queen Victoria, $9 per 100. Festiva Maxima, $30 per 100; Fragrans, $6 per 100. G. H. Wild, Sarcoxie, Mo.

Peonies. Wholesale grower of the best varieties. J. F. Rosenfield, West Point, Neb.

Peonies a specialty. Peterson Nursery, 503 W. Peterson Ave., Chicago.

Peonies, all vars. Vaughan's Seed Store, Chicago and New York.

Peonies, over 100 named vars. F. A. Baller, Bloomington, Ill.

Peonies, leading vars. Jackson & Perkins Co., Newark, N. Y.

Peonies, all vars. Jacs Smits, Ltd., Naarden, Holland.

Peonies. W. & T. Smith Co., Geneva, N. Y.

PEPPERS.

Christmas peppers, 3½-in., $4 per 100. J. W. Dunford, Clayton, Mo.

Celestial peppers, 3-in., $5 per 100; 5-in., $10. Geo. A. Kuhl, Pekin, Ill.

Eine absolute Nothwendigkeit!

Hiermit $1.00 für mein Abonnement. Es ist die Pflicht eines Jeden prompt für den „American Florist" zu bezahlen, weil dieser eine absolute Nothwendigkeit für jeden Blumenzüchter ist.

Carl Roegner, Alabama.

POINSETTIAS.

Poinsettias, 2½-in., $5 per 100. Thos. Salveson, Petersburg, Ill.

Poinsettias. Geo. A. Kuhl, Pekin, Ill.

PRIMULAS.

Primroses, obconica, fimbriata, alba, rosea, hybrida, $2 per 100. Obconica, dbl., $3 per 100. Mixed, 2-in., 2c. Byer Bros., Chambersburg, Pa.

Primroses, Chinese, 2¼-in., $2; obconica alba and rosea, $2. Jos. H. Cunningham, Delaware, O.

Primula obconica. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

Primrose, Baby, 2½-in. pots, 4c each. The Dingee & Conard Co., West Grove, Pa.

PRIVET.

Privet, California, the best. R. Dreyer, Woodside, L. I., N. Y.

RHODODENDRONS.

Rhododendrons. Jacs Smits, Ltd., Naarden, Holland.

ROSES.

Roses, Baby Rambler, 1st size, $3 per doz.; $25 per 100; $200 per 1,000. 2nd size, $2.50 per doz.; $20 per 100; $150 per 1,000. 3rd size, $2 per doz.; $15 per 100; $120 per 1,000. Pot-grown in bud and bloom, 3-in. pots, $1.50 per doz.; $12 per 100. 4-in., $3 per doz.; $20 per 100. 5-in., $5 per doz.; $40 per 100. 6-in., $6 per doz.; $50 per 100. Etoile de France, 1-yr. dormant, $2 per doz.; $15 per 100. Richmond, 2½-in., $7 per 100; $60 per 1,000; 3-in., $8 per 100; $75 per 1,000; 4-in., $12 per 100; $100 per 1,000. Killarney, 2½-in., $7 per 100; $65 per 1,000; 3-in., $8 per 100; $75 per 1,000; 4-in., $12 per 100; $100 per 1,000. Vaughan's Seed Store, Chicago and New York.

Roses, Richmond, 2¼-in., $5 per 100; $40 per 1,000; 3½-in., $6.50 per 100; $55 per 1,000. Beauty, 3-in., $5 per 100; $40 per 1,000; 3½-in., $6.50 per 100; $55 per 1,000. Bride, Maid, 3½-in., $5 per 100; $45 per 1,000. Chatenay, Uncle John, 2½in., $3.50 per 100; $30 per 1,000; 3½-in., $5 per 100; $45 per 1,000. G. Gate, 2½-in., $3.50 per 100; $30 per 1,000; 3½-in., $4.50 per 100. Kaiserin, 2½-in., $3.50 per 100; $30 per 1,000; Sunrise, 3½-in., $5.50 per 100; $50 per 1,000. Perle, 3½-in., $6 per 100; $55 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Roses, 2½-in. pots, Cr. Rambler, Wood, La France, Meteor, G. Gate, Notting, $2.50 per 100; $20 per 1,000. Diesbach, Masson, Laing, Caprice, $3 per 100; $25 per 1,000. 4-in. pots, own root, Baby Rambler, $20 per 100; Crimson Rambler, $6 per 100; Charta, Masson, Diesbach, Wood, $7 per 100; Neyron, Laing, $8 per 100. Leedle Floral Co., Springfield, O.

Roses, grafted, Killarney, 3½-in. pots, $18 per 100. Liberty, Kaiserin, Maids, Wootton, 3½-in., $15 per 100. Own root, Richmond, Perle, 3-in., $8 per 100. Bride, Maid, G. Gate, Kaiserin, Liberty, Wootton, 3-in., $6 per 100. J. L. Dillon, Bloombsurg, Pa.

Roses, Richmond, own root, 3-in., $50 per 1,000. Chatenay, 2½-in., $25 per 1,000. Maid, 3-in., $40 per 1,000; 2½-in., $25 per 1,000. E. G. Hill Co., Richmond. Ind.

Roses, 3-in., Bride, Maid, Chatenay, Kaiserin, $4 per 100; $35 per 1,000; 2½-in., Bride, Maid, $2.50 per 100; $20 per 1,000. W. H. Gullett & Sons, Lincoln, Ill.

Roses, Baby Rambler, strong, budded plants, ready to market, 4-in., $3 per doz.; 6-in., $6 per doz. F. X. Goeschl, 771 Franklin St., Denver, Col.

Rose, Queen Beatrice, finest forcing pink, to be disseminated spring of 1907. F. H. Kramer, 916 F. St., N. W., Washington. D. C.

Roses, Liberty, 3-in., $5 per 100; 2¼-in., $4. Leo Niessen Co., 1217 Arch St., Philadelphia.

Roses, 2½-in., C. Rambler, etc., $2 per $100; $15 per 1,000. C. M. Niuffer, Springfield, O.

Roses, from 2½-in pots, Ivory, G. Gate, Bride, Maid, Chatenay. Mrs. J. W. Crouch, 709 Market St., Chattanooga, Tenn.

Roses, over 1,000 vars. on own roots, all sizes. Dingee & Conard Co., West Grove, Pa.

Roses, Bride, 3-in., $4 per 100; $35 per 1,000. C. Humfeld, Clay Center, Kan.

Roses, field-grown for forcing. W. & T. Smith Co., Geneva, N. Y.

Roses, Bride, Maid, 3-in., $5 per 100. Ludvig Mosbaek, Onarga, Ill.

Roses, climbing plants. Jacs Smits, Ltd., Naarden, Holland.

Roses, from 3-in. pots. Wood Bros., Fishkill, N. Y.

Roses. Jackson & Perkins Co., Newark, N. Y.

Roses. Geo. A. Kuhl, Pekin, Ill.

SANSEVIERIAS.

Sansevieria Zeylanica var., 4-in., $15 per 100; 3-in., $8 per 100. Ludvig Mosbaek, Onarga, Ill.

Sansevieria Jav. Var., 4-in., $2 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

SEEDS.

Seeds, giant-flowered, cyclamen, German strain, white, dark crimson, Rosa von Marienthal, dark rose, white with carmine eye, white fringed, Rubin, per 1,000 seeds, $5; per 100, 65c. Salmon 100 seeds, $1.50. Giant flowered mixed, 100 seeds, 50c; 250, $1.15; 1,000, $4.50; 5,000, $20. Giant orchid-flowered, white, red, pink, white with carmine eye, lilac, each, 100 seeds, $1; 1,000, $9; orchid-fld., mixed, 25 seeds, 25c; 100, 85c; 1,000, $8. Rokoko, colors and mixed, 100 seeds, $2.50; 50, $1.35. New English grown, Rosy Morn, Picturatum, Grandi. Album, Excelsior, Princess May, Princess of Wales, Mauve Queen, Duke of Connaught, Duke of Fife, Salmon Queen, 100 seeds, $1; 1,000, $9 net. Fimbriatum, 100 seeds, $2.50. Vaughan's Seed Store, Chicago and New York.

Seeds, Asparagus, A. plumosus nanus. Northern greenhouse grown seed, 100 seeds, 60c; 250 seeds, $1.25; 1,000 seeds, $4.50. Southern greenhouse grown, 1,000 seeds, $2.50; 5,000 seeds, $10. A. plumosus robustus, 100 seeds, $1; 1,000 seeds, $9. Decumbens, 100 seeds, 50c; 1,000 seeds, $4. Comorensis, 100 seeds, $1; 1,000 seeds, $7.50. Cash discount 2 per cent. Vaughan's Seed Store, Chicago and New York.

Seeds, California seeds, Cosmos, tall, pink, white or yellow, per lb., $1.50. Nasturtiums, tall, Jupiter of Crœsus, per lb., 40c. Sweet peas, separate colors, per lb., 20c; California Giants, mixed, per lb., 18c. Petunias, Giants of California, ⅛ oz., $3. F. Gilman Taylor Seed Co., Glendale, Cal.

Seeds, sweet peas, Earliest White, per pkt., (40 seeds) 25c; 5 pkts., 75c net. ½ size pkts., 15c; 2 pkts., 25c; 10 pkts., 75c. Burpee's Earliest of All, per oz., 10c; ¼ lb., 30c; per lb., $1. W. Atlee Burpee & Co., Philadelphia.

Seeds, L. C. Nungesser, Griesheim near Darmstadt, Germany, exporter and importer. Specialties: Selected grass and clover seeds, alfalfa of Provence and Turkestan; free from dodder and cuscuta. Crimson clover.

Seeds, all kinds, specialties, onion, carrot, lettuce, sweet peas. Pacific Seed Growers' Co., 109 Market St., San Francisco.

Mexican Plants, Seeds, etc., all the varieties are sold by J. Balme & Co., Mexico City. Orchids and cacti specialties.

Seeds, choice strains, cineraria, calceolaria, cyclamen, pansy, petunia, etc. Jas. Vick's Sons, Rochester, N. Y.

Seeds, Asparagus plumosus, $3.50 per 1,000 seeds. J. M. Thorburn & Co., 33 Barclay St., New York.

Seeds, all kinds of vegetable and flower seeds. C. C. Morse & Co., 171 Clay St., San Francisco, Cal.

Seeds, 5,400 acres of garden seeds in cultivation. Braslan Seed Growers' Co., San Jose, Cal.

Seeds, Snowball cauliflower. R. Wiboltt, Nakskov, Denmark.

If you do not find what you need in our Ready Reference Department, write us about it.

Seeds, Rawson's Continental, cyclamen, white, pink, red, white with claret base and mixed, 50c per 100 seeds; $4 per 1,000; Salmon pink, $2 per 100 seeds; $15 per 1,000. W. W. Rawson & Co., 5 Union St., Boston.

Seeds, cineraria, large fld., mixed and semi-dwf. mixed, tr. pkt., 50c. Pansy mixed, oz., $4.50; ¼-oz., $1.15; ⅛-oz., 60c. W. C. Beckert, 103 Federal St., Allegheny, Pa.

Seeds, pansy, 1,000 seeds, mixed, 25c; 1 oz., $2.25. H. Wrede, Luneburg, Germany.

Seed, pansy, large flowering, per oz., $4. Jos. H. Cunningham, Delaware, O.

Seeds, Australian and Island. J. Staer, Wahroonga, N. S. W., Australia.

Seeds of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Seeds of all kinds. Stokes Seed Store, 219 Market St., Philadelphia.

Seeds. W. Atlee Burpee Co., Philadelphia, Pa.

SELAGINELLAS.

Selaginella Denticulata, 3-in., $1 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

SMILAX.

1,000 Smilax. 3-in., January serving, fine stocky plants; cut-back, $2.00 per 100. Stover Floral Co., Grandville, Mich.

Smilax, 2-in., 75c per 100; $7 per 1,000. W. T. Buckley Co., Springfield, Ill.

Smilax, $2 per 100; $15 per 1,000. R. Vincent, Jr. & Son, White Marsh, Md.

Smilax, 2-in., $1.50 per 100; $12.50 per 1,000. C. Humfeld, Clay Center, Kan.

Smilax, 3-in., $4 per 100; 2½-in., $2. W. H. Gullett & Sons, Lincoln, Ill.

Smilax, 2-in. pots, $1 per 100. West End Greenhouses, Lincoln, Ill.

Smilax, $1 per 100; $9 per 1,000. Jos. H. Cunningham, Delaware, O.

Smilax, 2½-in. pots, $1.50 per 100. J. L. Dillon, Bloomsburg, Pa.

Smilax. Wood Bros., Fishkill, N. Y.

SNAPDRAGONS.

Snapdragons, 3½-in., $5 per 100; $45 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

SPIREAS.

Spirea Van Houttei. W. & T. Smith Co., Geneva, N. Y.

Spireas. Jacs Smits, Ltd., Naarden, Holland.

VIOLETS.

Violets, Gov. Herrick, new single violet, good keeper; rooted cuttings, $2 per doz.; $10 per 100; $75 per 1,000; 5,000 or more, $60 per 1,000. H. R. Carlton, Willoughby, O.

Violets, California, Swanley White, field clump, $5 per 100; $45 per 1,000. Nathan Smith & Son, Adrian, Mich.

Violets, California, 3½-in., $4 per 100. J. W. Dunford, Clayton, Mo.

Violets. Wood Bros., Fishkill, N. Y.

WHOLESALE CUT FLOWERS.

Commission Dealers.

Allen, J. K., 106 W. 28th St., New York.

Amling, E. C., 32-36 Randolph St., Chicago.

Berning, H. G., 1402 Pine St., St. Louis.

Cleveland Cut Flower Co., 215 Huron road, Cleveland, O.

Deamud, J. B., Co., 51 Wabash Ave., Chicago.

Flower Growers' Market, 60 Wabash Ave., Chicago.

Ford Bros., 48 W. 28th St., New York.

Froment, Horace E., 57 W. 28th St., New York.

Guttman, Alex. J., 43 W. 28th St., N. Y.

Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Henshaw, A. M., 52 W. 28th St., New York.

Horan, Edward C., 55 W. 28th., N. Y.

Hunt, E. H., 76 Wabash Ave., Chicago.

Kennicott Bros Co., 40-44 Randolph St., Chicago.

Kessler, Phil. F., 55 W. 26th St., N. Y.

Kuehn, C. A., 1122 Pine St., St. Louis.

Langjahr, Alfred H., 55 W. 28th St., New York.

McCullough's Sons Co., J. M., 316 Walnut St., Cincinnati, O.

McKellar, Chas. W., 51 Wabash Ave., Chicago.

McKissick, W. E., 1221 Filbert St., Philadelphia.

Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Murdoch, J. B. & Co., 545 Liberty Ave., Pittsburg, Pa.

N. Y. Cut Flower Ex., Coogan Bldg., 6th Ave. and W. 26th St., New York.

Niessen Co., Leo, 1217 Arch St., Phila.

Pennock, S. S., Philadelphia.

Pittsburg Cut Flower Co., Ltd., 504 Liberty Ave., Pittsburg, Pa.

Pittsburg Florists' Exchange, 217-223 Diamond St., Pittsburg, Pa.

Pollworth, C. C. Co., Milwaukee, Wis.

Randall, A. L. Co., 19 Randolph St., Chicago.

Raynor, John I., 49 W. 28th St., N. Y.

Rice Bros., 128 N. 6th St., Minneapolis, Minn.

Seligman, John, 56 W. 26th St., N. Y.

Sheridan, Walter F., 39 W. 28th St., New York.

Traendley & Schenck, 44 W. 28th St., New York.

Vaughan & Sperry, 58-60 Wabash Ave., Chicago.

Welch Bros., 15 Province St., Boston.

Winterson, E. F. Co., 45-49 Wabash Ave., Chicago.

Young, A. L. & Co., 54 W. 28th St., New York.

Young, Thos., 43 W. 28th St., N. Y.

Zech & Mann, 51 Wabash Ave., Chicago.

Growers.

Bassett & Washburn, 76-78 Wabash Ave., Chicago.

Benthey-Coatsworth Co., The, 35 Randoph St., Chicago.

Bruns, H. N., 1409-1411 W. Madison St., Chicago.

Budlong, J. A., 37-39 Randolph St., Chicago.

Elliott, W. H., Brighton, Mass.

Hill, The E. G. Co., Richmond, Ind.

Jensen & Dekema, 674 W. Foster Ave., Chicago.

Metairie Ridge Nursery Co., New Orleans, La.

Peacock Dahlia Farms, Atco, N. J.

Poehlmann Bros. Co., 35-37 Randolph St., Chicago.

Reinberg, Peter, 51 Wabash Ave., Chicago.

Sinner Bros., 60 Wabash Ave., Chicago.

Weiland & Risch, 59 Wabash Ave., Chicago.

Wietor Bros., 51 Wabash Ave., Chicago.

Wilcox, J. F., Council Bluffs, Iowa.

Wittbold, Geo. Co., 1657 Buckingham Place, Chicago.

RETAIL CUT FLOWERS.

Atlanta Floral Co., 41 Peachtree St., Atlanta, Ga.

Berterman Bros. Co., 241 Massachusetts Ave., Indianapolis, Ind.

Breitmeyer's, John, Sons, cor. Miami and Gratiot Aves., Detroit, Mich.

Cooke, George H., Connecticut Ave. and L St., Washington, D. C.

Daniels & Fisher, Denver, Col.

Donohoe, W. H., 2 W. 29th St., N. Y.

Eyres, H. G., 11 N. Pearl St., Albany, N. Y.

Gude, A. & Bro., 1214 F St., Washington, D. C.

Hansen, Mrs. M. A., Galveston, Tex.

Hauswirth, P. J., Audit. Annex, Chicago.

Hess & Swoboda, 1415 Farnum St., Omaha, Neb.

Holm & Olson, St. Paul, Minn.

Kellogg, Geo. M., 906 Grand Ave., Kansas City, Mo.; also Pleasant Hill, Mo.

Lange, A., 40 E. Madison St., Chicago.

Livingston Seed Co., Columbus, O.

Mayberry & Hoover, 1339 14th St., N. W., Washington, D. C.

McConnell, Alex., 571 Fifth Ave., Windsor Arcade, New York.

Mills The Florist, 36 W. Forsyth St., Jacksonville, Fla.

Murray, Samuel, Coates House Con., 1017 Broadway, Kansas City, Mo.

Park Floral Co., The, Denver, Col.

Palmer's, Buffalo, N. Y.

Schulz, J., 644 4th Ave., Louisville, Ky.

Virgin, Uriah J., 833 Canal St., New Orleans, La.

Weber, Fred C., 4320-28 Olive St., St. Louis, Mo.

Wilcox, J. F., Council Bluffs, Iowa.

Wilson, Robert G., Brooklyn, N. Y.

BOILERS.

Boilers, improved greenhouse boilers, made of best material; shell firebox sheets and heads of steel; water space all around (front, sides and back). Kroeschell Bros. Co., 45 Erie Street, Chicago.

Boilers, Gurney heaters, heat by steam or hot water. Gurner Heater Mfg. Co., 111 5th Ave., New York; 74 Franklin St., Boston.

Boilers, the Burnham boilers, made for greenhouse heating. Lord & Burnham Co., 1133 Broadway, New York.

Boilers, corrugated, fire box and sectional, greenhouse heating. Hitchings & Co., 1170 Broadway, New York.

Boilers, boilers of high grade for greenhouses. Steam and hot water. Giblin & Co., Utica, N. Y.

Boilers of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Boilers, water tube steam boilers. King Construction Co., N. Tonawanda, N. Y.

Boilers, write for prices. Johnston Heating Co., 1133 Broaadway, N. Y.

Boilers. Myers & Co., 1122 Betz Bldg., Philadelphia.

BOXES.

Cut Flower Boxes, water-proof; corner lock style. No charge for printing on orders above 250 boxes. Livingston Seed Co., Columbus, O.

Cut Flower Boxes; send for prices. Edwards Folding Box Co., Philadelphia, Pa.

BUILDING MATERIAL.

Building material, lumber for greenhouse benches. Ship lap, drop siding, sheathing, flooring, white cedar posts, etc. We are in special position to furnish "Pecky Cypress"; everything in pine and hemlock building lumber. Adam Schillo Lumber Co., cor. Weed and Hawthorne Sts., Chicago.

Building Material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouses and other building material. Men furnished to superintend erection when desired. A. T. Sterns Lumber Co., Neponset, Boston, Mass.

Building Material, cypress sash bars. Tennessee red cedar posts, pecky cypress benches, hotbed sash and frames, ventilating apparatus, pipe, fittings and all supplies needed in new or reconstruction work. Foley Mfg. Co., 471 W. 22d St., Chicago.

Building Material. Our designs embody best features of greenhouse construction. Best grade gulf cypress used. Red cedar posts, iron fittings, hotbed sash. Lockland Lumber Co., Lockland, O.

Building Material, cypress sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 111-125 Blackhawk St., Chicago.

If you do not find what you need in our Ready Reference Department, write us about it.

Building Material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 617 Sheffield Ave., Chicago.

Building Material of all descriptions, cold frames, hotbed sash, etc. Lord & Burnham Co., 1133 Broadway, New York.

Building Material for U-Bar greenhouses. Pierson U-Bar Co., Metropolitan Bldg., 4th Ave. and 23d St., N. Y.

Building Material, cold frames, hotbed sash of every description. Hitchings & Co., 1170 Broadway, N. Y.

Greenhouse materials of all kinds for greenhouse heating. Johnston Heating Co., 1133 Broadway, N. Y.

Building material of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Building Material of all kinds. S. Jacobs & Sons, 1365-79 Flushing Ave., Brooklyn, N. Y

GLASS.

Glass importers and jobbers; greenhouse glass a specialty. Window glass. James H. Rice, corner Michigan, St. Clair and Illinois Sts., Chicago.

Glass, plate and window glass, greenhouse glass a specialty. Sprague-Smith Co., 167-169 Randolph St., Chicago.

Glass, a lot of 16x18 A and B double strength at low price. A. Dietsch Co., 617 Sheffield Ave., Chicago.

Glass, window glass. Greenhouse glass a specialty. H. M. Hooker Co., 50 W. Randolph St., Chicago.

Glass, French and American "White Rose" brand. Stenzil Glass Co., 2 Hudson St., New York.

Glass, all kinds and sizes. Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.

GLAZING POINTS.

Glazing Points, see the point? Holds glass firmly. Peerless glazing points are the best. No rights of lefts. Box of 1,000 points, 75c, postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

GREENHOUSE CONSTRUCTION.

Greenhouse Construction, Eureka greenhouse the best and lowest in price. All houses erected at factory and shipped to purchaser with blue prints, photographs and plain directions so any person can put up. Dillon Greenhouse Mfg. Co., Bloomsburg, Pa.

Greenhouse Construction, builders of greenhouses for private estates, institutions, parks, etc. Pierson U-Bar Co., Metropolitan Bldg., 4th Ave. and 23d St., New York.

Greenhouse Construction, every type of iron frame or wooden construction. Best workmanship, right prices. Weathered Company, 46-48 Marion St., New York.

Greenhouse Construction, sash bar greenhouses. New Truss construction and iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse Construction, builders of every type of greenhouses; the most modern designs. Hitchings & Co., 1170 Broadway, N. Y.

Greenhouse Construction, builders of modern greenhouses. Myers & Co., 1122 Betz Bldg., Philadelphia.

GUTTERS.

Gutters, Garland's gutters will keep snow and ice off your glass. A sample of our gutter is on exhibition at Chicago Flower Growers' Market. Geo. M. Garland, Des Plaines, Ill.

Gutters, Lord & Burnham Improved V-shape gutter, with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

Gutters, new duplex gutter, only drip-proof gutter on the market. E. Hippard, Youngstown, O.

Gutters, Jennings, improved iron gutters. Diller, Caskey & Co., Sixth and Berk Sts., Philadelphia.

INSECTICIDES.

Fumigating Supplies, vaporizing pans for tobacco extracts, improved. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

Insecticides, tobacco paper, 24 sheets, 75c; 144, $3.50; 288, $6.50; 1,725, $35.10. Nico-Fume Liquid, pint, $1.50; ½ gal., $5.50; gal., $10.50; 5 gal., $47.25. Kentucky Tobacco Product Co., Louisville, Ky.

Fumigating Supplies, tobacco dust for fumigating. Edwin L. Koppelman & Co., 81 Pine St., New York.

Fumigating Supplies, tobacco powder and stems. The H. A. Stoothoff Co., 117 West St., New York.

Insecticide, Nicoticide, Bug Killer, the best bug killer and bloom saver. P. R. Palethorpe Co., Louisville, Ky.

Insecticides, Carman's Antipest insecticide and fungicide, $1.50 per gal. Perfection Chemical Co., Flushing, N. Y.

Wilson's Plant Oil for all kinds of plants. In 4-oz. to 1-gal. sizes. Andrew Wilson, 437 Springfield Ave., Summit, N. J.

Tobacco dust and stems. Swisher Bros., Newark, O.

LAWN MOWERS.

Lawn Mower. The Clipper, lawn mower, No. 1, 12-in., $5; No. 2, 15-in., $6; No. 3, 18-in., $7; No. 4, 21-in., $8. Draft, money order or reg. letter. Clipper Lawn Mower Co., Dixon, Ill.

LEAF MOLD.

Leaf mold. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

MASTICA.

Mastica, for glazing greenhouses. F. O. Pierce Co., 170 Fulton St., New York.

METAL DESIGNS.

Metal signs, send for prices. A. Hermann, 404-12 E. 34th St., New York.

MISCELLANEOUS.

Engravings, best engravings and illustrations of every description for catalogues. Send for estimates. Globe Eng. & Elec. Co., 427 Dearborn St., Chicago.

Printing, large runs of catalogues a specialty. Write for figures. Regan Printing House, 89-91 Plymouth Place, Chicago.

Florists' overdue accounts and bad debts collected by the National Florists' Board of Trade, 56 Pine St., N. Y.

PAINT, PUTTY, ETC.

Paint, Ideal Greenhouse Lead; Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, N. Y.

Paint, Putty, etc. H. M. Hooker Co., 59 W. Randolph St., Chicago.

Paint, Putty, etc. The Jas. H. Rice Co., 80-82 Wabash Ave., Chicago.

Putty, Twemlow's Old English Glazing. Hammond's Paint and Slug Shot Works, Fishkill-on-Hudson, N. Y.

PIPE, FITTINGS, ETC.

Pipe, iron fittings, etc., galvanized iron sash hinges, screw eyes, screw hooks, U bolts, galvanized iron buckles and wires. Fittings for purlin and ridge supports. Foley Mfg. Co., 471 W. 22d St., Chicago.

Iron Fittings, patent iron bench fittings and roof supporters. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

Pipes, valves, fittings of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

A Bargain, 4-in. cast iron pipes, 5 feet lengths at 12c per foot. C. C. Pollworth Co., Milwaukee.

Iron Fittings, etc.; send for prices. Lockland Lumber Co., Lockland, O.

POTS, PANS, ETC.

Pots, standard flower, 1½ in., $2.77 per 1,000; 2-in., $3.33; 2½-in., $3.88; 3-in., $5.27; 3½-in., $6.10; 4-in., $7.77; 4½-in., $10; 5-in., $13.60; 6-in., $22.20; 7-in., $4 per 100; 8-in., $6; 9-in., $8.88; 10-in., $13.33; 12-in., $22.22; 14-in., $38.88; 16-in., $66.66; 20-in., $1.25 each. Azalea pots and bulb pans same price. 2x2½ in. rose pots, $3.50 per 1,000. A. F. Kohr, 1521 N. Leavitt St., Chicago.

Pots, standard, seed pans, cut flower cylinders, hanging baskets, lawn vases, etc. Hilfinger Bros. Pottery, Ft. Edward, N. Y.

Pots, standard flower pots. The Whildin Pottery Co., Philadelphia, Pa.; Jersey City, N. J.; Long Island City, N. Y.

Pots, before buying write for prices. Geo. Keller & Son, 361-63 Herndon St., near Wrightwood Ave., Chicago.

Pots, red standards, full size and wide bottoms. Detroit Flower Pot Mfy., 490 Howard St., Detroit, Mich.

Pots, pots of all kinds. A. H. Hews & Co., No. Cambridge, Mass.; Long Island City, N. Y.

Pots, red standard, azalea pots. The Keller Pottery Co., 213-223 Pearl St., Norristown, Pa.

Pots, red standard. Paducah Pottery Co., Paducah, Ky.

Pots, all sizes. Ionia Pottery Co., Ionia, Mich.

Pots, Syracuse red, Syracuse Pottery Co., Syracuse, N. Y.

Pot hangers, Kramer's $1 doz. by exp., $1.25 by mail. I. N. Kramer & Son, Cedar Rapids, Ia.

PUMPING ENGINES.

Pumping Engines, two streams of water for 1 hour cost 2 cents if you use a Standard pumping engine. The Standard Pump & Engine Co., Cleveland, O.

RAFFIA.

Raffia, samples free if you mention the American Florist. Large assortment of colors. R. H. Comey Co., Camden, N. J., 810-24 Washburn Ave., Chicago.

SEED CASES.

Seed cases, Heller's mice proof. W. C. Heller & Co., Montpelier, O.

STEAM TRAPS.

Steam Traps, the Standard return steam trap has no equal for its simplicity of working. E. Hippard, Youngstown, O.

Steam traps, Morehead Automatic Return Steam Trap. W. S. Barnes, sales agent, 57 Clifton Ave., Chicago.

Steam traps, Morehead Return. Morehead Mfg. Co., 1047 Grand River Ave., Detroit, Mich.

SUPPLIES.

Supplies, milkweeds, wire designs, cut wire, all kinds of letters, immortelles, cycas leaves, sheaves of wheat, ribbons, corrugated boxes of all kinds. Henry M. Robinson & Co., 8-11 Providence St., Boston, Mass.

Supplies, cape flowers, cycas leaves, metal designs and all florists' supplies. A. Herrmann, 404-12 E. 34th St., New York.

Supplies, importers and manufacturers of florists' supplies. L. Baumann & Co., 78 Wabash Ave., Chicago.

Supplies, importers and manufacturers of florists' supplies. Reed and Keller, 122 W. 25th St., New York.

Supplies, wire designs, etc. The Cleveland Cut Flower Co., 215 Huron road, Cleveland, O.

Supplies and novelties of all kinds. J. Stern & Co., 1928 Germantown Ave., Philadelphia.

Supplies, ribbons chiffons and novelties. Schloss Bros. 533 Broadway, New York.

Supplies of all kinds. E. F. Winterson Co., 45 Wabash Ave., Chicago.

Supplies, wire designs. Pittsburg Florists' Ex., 228 Diamond St., Pittsburg, Pa.

Supplies, flower baskets, novelties. Riessner Bros., Lichtenfels, Bavaria.

Supplies of all kinds. S. S. Pennock, 1610 Ludlow St., Philadelphia.

Supplies of all kinds. Barteldes Seed Co., Denver, Col.

Wire designs of all kinds. Wm. H. Woerner, 3022 N. 16th St., Omaha, Neb.

TOOTHPICKS.

Toothpicks, wired, $1.50 per 10,000 $6.25 per 50,000. W. J. Cowee, Mfr., Berlin, N. Y.

If you do not find what you need in our Ready Reference Department, write us about it.

TWEMLOW'S
Old English Glazing Putty
SEMI-LIQUID,

For Bedding Glass in Sash or for Filling Cracks or Seams in Roof Joints or Frames of Greenhouses or Hot Beds.

THIS PUTTY

Is used in Machine or Bulb.

If too thick for bulb, thin with a little Pure Linseed Oil, boiled.

So thinned, it can be brushed into any crack or leak, making a solid filling.

THIS PUTTY

Makes a solid bed, impervious to moisture, and holds glass in its place, and will stop any crevice or fault.

When once set on dry wood it does not leave.

Manufactured in the United States only by

HAMMOND'S PAINT & SLUG SHOT WORKS,

FISHKILL-ON-THE-HUDSON, N. Y.

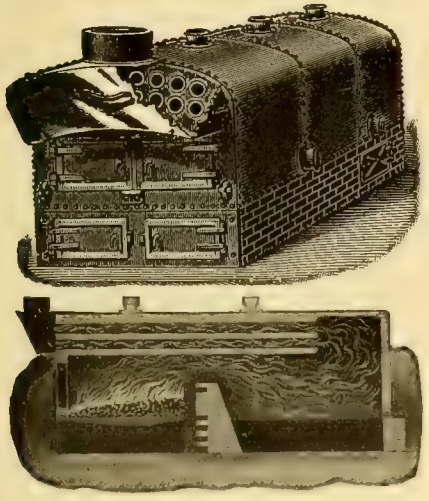
Twemlow's Old English Liquid Glazing Putty

Is sold by

FLORISTS' SUPPLY HOUSES

In New York
Chicago
Philadelphia
Cincinnati
Allegheny
Milwaukee
Detroit, Boston
Providence
Grand Rapids
Richmond
Louisville
New Orleans
Toledo
Cleveland
Buffalo
Baltimore, etc.

KROESCHELL BROS. CO.
IMPROVED
Greenhouse Boiler
45 Erie Street, CHICAGO.



Boilers made of the best of material, shell, fire-box sheets and heads of steel, water space all around (front, sides and back). Write for information.

Please mention the American Florist when writing.

CUT FLOWER BOXES
WATERPROOF Corner Lock Style.

The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always.

Size No.		Per 100	Per 1000
0.	3x 4x20	$2.00	$19.00
1.	3x 4½x16	1.90	17.50
2.	3x 6x18	2.00	19.00
3.	4x 8x18	2 50	23.00
4.	3x 5x24	2.75	26.00
5.	4x 8x22	3 00	28.50
6.	4x 8x28	3.75	36 00
7.	6x16x20	5.50	54.00
8.	3x 7x21	3.00	28 50
9.	5x10x15	6 50	62.00
10.	7x20x20	9.50	67 50
11.	3½x5x30	3.00	28.50

Sample free on application. No charge for printing on orders above 250 boxes. Terms cash.

THE LIVINGSTON SEED COMPANY,
Box 104, COLUMBUS, OHIO.

Please mention the American Florist when writing

THE LOW PRICE HEATING PLANTS

The Chicago House Wrecking Co. is in position to offer you an interesting proposition for furnishing you with a heating plant at a saving of at least 30%. Send us a sketch of your houses with preferred location of the boiler, the points of compass and the desired night temperature for zero weather, and we will gladly submit you an exact detail quotation of all material required to install the plant. We have ***heaters*** and ***boilers*** of every kind, both new and rebuilt. We have always on hand a large number of rebuilt boilers suitable for greenhouse heating. Our stock embraces ***fire box boilers, horizontal tubular boilers, Kroeschell boilers, cast iron sectional boilers, Erie City economizers*** and other types

We can save you considerable money on ***pipe, valves*** and ***fittings;*** also on ***doors, glass, sash*** and everything needed in the construction of your buildings.

Ask for our Special Catalogue No. 47.

CHICAGO HOUSE WRECKING CO.,
35th and Iron Streets, CHICAGO.

GREENHOUSE HEATING

Complete heating plants erected or materials furnished with working plans.
Write for prices on **BOILERS.**

JOHNSTON HEATING COMPANY,
St. James Building, 1133 Broadway, NEW YORK.

GLASS

GOOD BRANDS.
QUICK SHIPMENTS.
LARGE STOCK.

Warehouse on railroad switch. **Be Sure and Get Our Prices.**

SHARP, PARTRIDGE & CO.,
22nd and Lumber Sts., CHICAGO.

Carman's Antipest
INSECTICIDE AND FUNGICIDE
For the Garden, Orchard and Greenhouse.

Non-poisonous and harmless to vegetation.

Kills Green Fly, Aphides, Bark Lice, Thrip, Mealy Bug, Red Spider, Scale, Wire Worms, Ants and Slugs.

This is the Grower's Friend, handy to use, cheap and effective, mixes readily in water. Destroys all insect pests and keeps down filth. Circulars on application. **$1.50 per gallon.** Also in quarts, half gallons and in bulk.

PERFECTION CHEMICAL CO.,
FLUSHING, N. Y.

Please mention the American Florist when writing.

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

WILSON'S PLANT OIL.

The best Insecticide and Plant Renovator ever introduced. Positively harmless. Put up in cans and bottles. Send for circular, testimonials and trade price.

ANDREW WILSON, 437 Springfield Ave SUMMIT, N. J.

Please mention the American Florist when writing.

GREENHOUSE MATERIAL.

OF ALL KINDS

FOLEY MFG. Co. 471 W. 22ND ST. CHICAGO

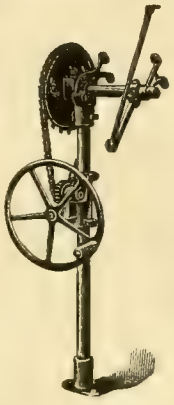
VENTILATING APPARATUS PURLIN FITTINGS, HOT-BED SASH &C.

SEND FOR NEW FREE ILLUSTRATED CATALOGUE -

If you are having delay in getting your roof material, send your orders TO US and don't be in trouble. We will handle any order in the time agreed. Try us.

FOLEY MANUFACTURING CO., 471 West 22nd St., Chicago.

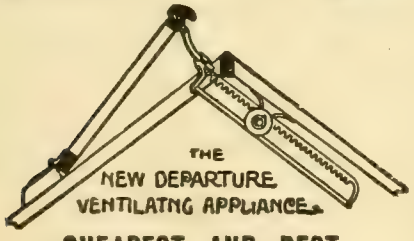
The Advance Ventilating Apparatus



While the cut of our machine may resemble other makes of machines, it is **quite different** in mechanical construction, neatness, strength, etc., and we know you will like it better than any you have used or seen.

Write us at once for circular and price list and give us a trial.

THE ADVANCE CO.
RICHMOND, IND.



CHEAPEST AND BEST.

If you doubt it try them and be convinced. Send for descriptive price circular.

J. D. Carmody, Evansville, Ind.

Please mention the American Florist when writing

EVANS' IMPROVED CHALLENGE VENTILATING APPARATUS

WRITE FOR ILLUSTRATED CATALOGUE
QUAKER CITY MACHINE WORKS,
RICHMOND, IND.

Please mention the American Florist when writing

GET OUR PRICES ON
Galvanized Wire Rose Stakes and Tying Wire.

IGOE BROTHERS,

Manufacturers of the **Model Plant Supports** for Carnations Dahlias, Golden Glow, Chrysanthemums and Tomatoes.

63-71 Metropolitan Ave., BROOKLYN, N. Y.

Please mention the American Florist when writing.

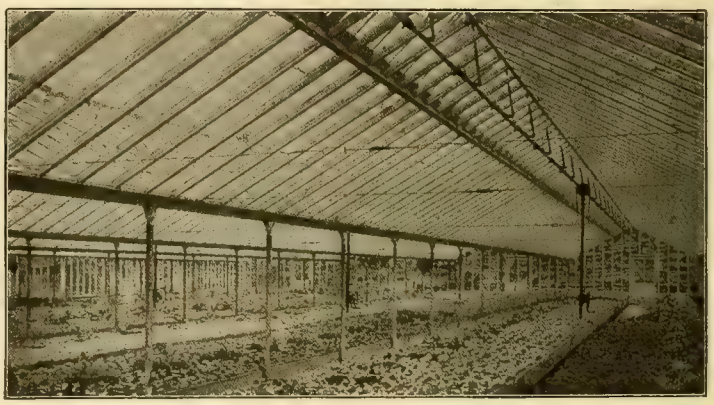
N. TONAWANDA, N. Y. TORONTO, ONT.

KING CONSTRUCTION CO.

GREENHOUSE CONSTRUCTION AND EQUIPMENT

WRITE FOR CATALOGUE AND PRICES

Material for our Patent Short Roof Houses as per cut and all other styles of Construction, either of **Washington Red Cedar or Louisiana Cypress.**



Dietsch & Co.'s Short Roof Style of Houses Can be seen at George Reinberg, 304 Belmont Avenue, Chicago.

Quality Invariably the Best that Can Be Produced.

A. DIETSCH COMPANY, Patentees

617 Sheffield Ave., CHICAGO, ILL.

Please mention the American Florist when writing.

MASTICA

Trade Mark Registered.

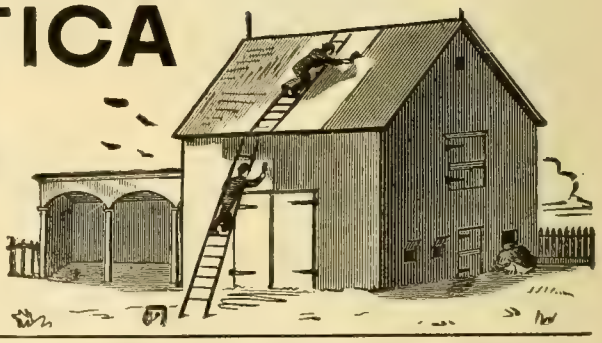
—FOR—

Glazing Greenhouses

Sole Manufacturers

F. O. PIERCE COMPANY
NEW YORK

At All Seed Stores



BEST ENGRAVINGS and ILLUSTRATIONS

—Of Every Description—

FOR CATALOGUES.

SEE OUR WORK IN THIS PAPER. SEND FOR ESTIMATES.

GLOBE ENGRAVING and ELECTROTYPE CO.

407-427 Dearborn St., CHICAGO.

EUREKA GREENHOUSES.

THE BEST AND LOWEST IN PRICE. All houses erected at the factory and shipped to purchasers with blue prints, photographs and plain directions so that any person can put them up.

DILLON GREENHOUSE MFG. CO., Bloomsburg, Pa.

THE AMERICAN FLORIST

America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXVII. **CHICAGO AND NEW YORK, SEPTEMBER 8, 1906.** **No. 953**

THE AMERICAN FLORIST

TWENTY-SECOND YEAR.

Copyright 1906, by American Florist Company. Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

324 Dearborn St., Chicago.

Eastern Office: 1133 Broadway, New York.

Subscription, $1.00 a year. To Europe, $2.00. Subscriptions accepted only from the trade.

Volumes half yearly from August 1903

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—WM. F. KASTING, Buffalo, N. Y., president; H. M. ALTICK, Dayton, O., vice-president; W. J. STEWART, 11 Hamilton Place, Boston, Mass., secretary; H. M. BEATTY, Pittrburg, Pa., treasurer. Twenty-third annual meeting at Philadelphia, Pa., August, 1907

OFFICERS-ELECT—WM. J. STEWART, Boston, Mass., president; JOHN WESTCOTT, Philadelphia, Pa., vice president; P. J. HAUSWIRTH, Auditorium Annex, Chicago, secretary; H. B. BEATTY, Pittsburg, Pa., treasurer.

INTERNATIONAL EXHIBITION—A grand international exhibition will be held with the annual convention at Chicago, November, 1908.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual convention and exhibition at Chicago, November 6-12, 1906. WM. DUCKHAM, Madison, N. J., president; DAVID FRASER, Penn and Homewood Ave., Pittsburg, Pa., secretary.

AMERICAN ROSE SOCIETY.

Annual meeting and exhibition at Washington, D. C., March 13-15, 1907. ROBT. SIMPSON, Clifton, N. J., president; BENJAMIN HAMMOND, Fishkill-on-Hudson, N. Y., secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention and exhibition at Toronto, Canada, January, 1907. JOHN H. DUNLOP, Toronto, Canada, president; ALBERT M. HERR, Lancaster, Pa., secretary.

THE AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

Annual convention at Toronto, Ont., 1907. BYRON D. WORTHEN, Manchester, N. H., president; F. L. MULFORD, Harrisburg, Pa., secretary.

AMERICAN PEONY SOCIETY.

Third annual meeting and exhibition at Ithaca, N. Y., 1907. C. W. WARD, Queens, N. Y., president; A. H. FEWKES, Newton Highlands, Mass., secretary.

Contents, page 314.

Advertising Rates, 314.

Index to Advertisers, 338.

Ready Reference Advts., 339.

THE RETAIL TRADE

THE use of autumn leaves in decorative work has acquired such proportions that some retailers arrange for regular shipments throughout the fall.

Recent Improvements in Retailers Methods.

Paper read by Irwin Bertermann, Indianapolis, Ind., at the Dayton convention of the Society of American Florists August 23, 1906.

In the time of the great Roman, Nero, the methods of arranging and presenting flowers were in keeping with that wonderful period. The Romans understood how to combine flowers with statuary, make wreaths and designs for classic pieces, to furnish sparkling fountains with plants, to use artistic vases, to blend colors and to decorate in a manner the leading florists of this great country are earnestly striving after. To be sure they did not watch or have the details of the present times—paper boxes of various hues, green, pink and white wax paper, pins to match the various flowers, cords, tassels, gauze, mattings and many other accessories were unknown to them, but the beauty and detail of their flower arrangements are a standard which all of us may look to.

A compartment the size of a small room refrigerated by the establishment's plant, with glass shelving on either side and backed by mirrors, is the "proper caper" these days. This enables the store man to take his customers into the box, without disturbing the flowers or causing them to suffer from different temperatures.

The florist's window is now also an all important factor. It has long been recognized as his most efficient advertising medium, but it has only been of late years that expert trimmers were employed and the minutest details carefully observed. The flowers in the window must be arranged so that the colors blend or separate parts of the arrangement must contain a massing of one variety. The florist's window must attract the eye of those passing, and surpass in beauty and artistic value all the windows in the city, for in arrangement and neatness it must be equal to them and the beauty of the contents naturally surpass all others.

The subject of the writer does not permit of a sermon, but this is a most opportune time to impress upon my listeners that so much is sacrificed for commercialism in the present day. Everything is made and arranged according to the ledger account. In this we find our German and French brother far superior. Not only is the commercial side of the florist's business taken into consideration in Europe, but the idealistic side is also well attended to. It is not only necessary to arrange a wreath or basket hurriedly, but it is also necessary to arrange it in an idealistic and artistic manner. I would refer every American retailer to the Bindekunst, a German trade paper. The illustrations therein will easily convince the reader that we are far behind in detail and symbolical work. The Berlin and Parisian florists not only put forth work which earns the dollar, but arrange pieces which signify much more than is found in our ordinary run of baskets, wreaths, pillows, etc.

Great improvement has been noticed in late years in the arrangement of the flower stores. It is essential that the arrangement of the up-to-date flower store be such that it is just a trifle beyond the finest customer who enters, if it is to elicit, particularly from the feminine flower expert, the admiration, respect and last but not least, the patronage. Hampers and baskets, also vases and boxes of flowers are at all times in plain view and furnish suggestions and ideas to any one entering. Often times many of these arrangements go to waste, but they give prestige to the retailer who has energy enough to gain ideas and present them to his customers in a practical manner.

An apology is no longer a necessity in the flower business as it was years ago. Suitable stock can be had at all times, though of course this varies with the season. The store man who takes it for granted that a customer should know without being shown, how to use flowers, is lost. It takes constant arrangement and a lot of new ideas to please the better class of customers. It was but a few years back that all customers looked alike to the clerk as they entered the store room. It is now necessary to grasp the idea of catering to different classes of people. The rich,

the poor, the artistic, those of poor taste, those who want a lot for their money, those who want only the best, arranged in the most artistic manner, those who want certain color combinations, these qualities must all be grasped at a glance by the clerk, or he will lose many a customer who would have been well satisfied had the clerk been a better judge of human nature. The clerk no longer presents his wares in the timid way of years gone by; he knows the value of his stock and is not to be bluffed by any customer, but stands firmly by any position he may take.

Advantage is now taken of the peculiarities of each plant; a ribbon bow or cord placed in the proper manner and to the advantage of the plant, a pot cover in perfect harmony, a bit of moss or a little foliage, enhances the value from 10 to 50 per cent. It is the neat and natty plant or flower that attracts and sells quicker and at a better figure than a more expensive plant carelessly arranged.

One of the most recent improvements the retailer has is the great net work of interurban systems which are being built throughout the country. This is particularly true of my own state, Indiana. The close proximity of the greenhouse and the store, due to the electric lines, makes it possible for the retailer to have fresh stock at all times. There is no longer room for old stock as this is many times due to carelessness in ordering. It only takes a telephone call and fresh stock will be on hand in a few hours, whereas in years gone by large amounts had to be ordered at one time.

As we all know the day of the stereotype flower piece is a thing of the past. The florist now confines his funeral work almost entirely to baskets, bunches, wreaths and blankets. The view is now taken by those who are accustomed to buying flowers that offerings are sent to lighten the suffering of the bereaved, not to make it look more funereal like. As many colors are used as may be consistent with good taste.

The general public now appreciates the various flower seasons. They understand that chrysanthemums are not to be had in March, or Alpine violets in July. They look for the store man to have select, seasonable stock on hand at all times. It is possible for him to keep things moving lively almost the entire year. The dull summer season is not nearly what it used to be, and the energetic tradesman can make much of it by handling and arranging the choicest seasonable stock. Seasonable novelties are now always sought for in the flower shops. Small turkeys, ducks, and various novelties must be on hand at Thanksgiving. Chimes, bells, wreaths, etc., must be on hand for Christmas and so on for every festive period. The public has learned to know that the flower shop is the proper place to obtain novelties which are not to be had elsewhere.

Flowers are no longer offered in receptacles which were formerly supposed to heighten the beauty of the contents by contrast with their shabbiness. The grower now affords good glass vases and his swell brother, the retailer, finer articles, not excluding cut-glass, or precious metals.

The growth of the retailer has been such that the modus operandi is patterned after the larger department stores and matters are systemized so that, for instance, an employe who supposedly does nothing but wait on customers, does not hide the broom or emerge from the cellar looking as if he had been in an encounter with the coal pile or moss bin.

The use of the telephone, long distance and local, in offering flowers is increasing in enlightenment of the public in regard to them. A fair estimate of the amount sold in this manner is 40 per cent of the gross sales, so the importance of having the 'phone answered in a proper manner is readily seen. The brainiest, shrewdest, best informed and most resourceful man in the establishment is now employed to answer the telephone. The fisherman at the 'phone must offer the most tempting bait, play with the game, hook the fish, reel it in and place it securely in the net before his work is accomplished. In many instances two or three telephones are placed in one store so that the impatient customer may not turn to a competitor.

The art, and it is one, of arranging boxes of select long stemmed flowers, skillfully finished with violets, mignonette, pansies, and lily of the valley has now reached the point where to the uninitiated "Excelsior" need no longer be proclaimed. It is here where proof of skill and discernment of color and deftness in arrangement are most apparent Often times choice boxes are lined with silk and the exterior ornamented with bows of ribbon or bunches of violets, lily of the valley and roses, softened with sprays of maidenhair ferns and Farleyense ferns. This perfection in the make-up of cut flower boxes is one we flowers, like the American Beauty, gained prominence with us—the Americans.

The Street Flower Merchant.

In glancing over your paper of August 11, my eye was caught by the discussion on the curb stone fakir. It is refreshing to read something from a retailer who has ideas beyond the potting bench. I refer to Mr. Blackistone, who takes sensible, economic and scientific views. Catering to the satisfaction of human wants, the jewelry trade having a history since the days of Cleopatra, one does not read of reputable jewelers making a noise about the sellers of snide jewelry. Cheap jewelry and cheap flowers appeal to those of limited means and short mental range and their wants are met by the shortest cut, brought to their notice on the streets. The knights of the curb can carry on their business on a mere handful of circulating capital, while the kings of the big shops are tied up to an immense fixed capital and a tidy sum of circulating capital must be held in readiness to conduct the business.

MICHAEL SULLIVAN.

A New York Dinner Decoration.

Wadley & Smythe arranged most of the decorations at the large dinner and musicale of Mrs. O. H. P. Belmont at Newport, R. I., last Saturday evening. The dinner was served in the spacious coach house at Belcourt, the business nature of the building being concealed by the decorations. A corner of the garden of Versailles was reproduced. Trellised niches about the building were covered with vines which partially hid pieces of statuary. In front of the niches were beds of flowers giving the appearance of a formal garden. The inside walls at each end of the building were completely covered with English ivy, and at intervals were disposed panels of flowers and fruit, yellow and white.

A huge fountain occupied the center of the room and immense vases of fruited orange trees were arranged at suitable points. Green vines paneled the ceiling and through the vines electric light bulbs were artistically grouped. There were eight tables, the two principal ones decorated entirely with white flowers, and the remainder with flowering vines and baskets of Killarney

STORE OF THE GEO. WITTBOLD CO., CHICAGO.

roses. In the Gothic room of the mansion, where the musicale was held, the decorations were confined to vases of American Beauty roses.

The Birthday Bouquet.

Every hustling retail florist ought to use his energy and push the "birthday bouquet"—help make it a fad. Just think of how many more flowers would be sold the year round in every large city if it became a more general custom. Take for instance St. Louis with 700,000 population. Out of that number about 400,000 would be eligible to receive a birthday bouquet. Suppose that 50,000 would buy only $1 worth (which would be the smallest amount) there would be spent $50,000 a year more for flowers in St. Louis and every florist would be greatly benefited thereby.

It's up to the hustling retail florist to develop every branch of the business to its utmost and this is surely a big field to work in. Why are so many flowers bought for the dead? It has become a custom. So let it be with the birthday bouquet. Its promotion would make two hearts happy, the one who receives the flowers and the good old florist that sells them.

VINCENT J. GORLY.

An Elaborate Cluster.

This rather gigantic arrangement, standing something over six feet in height, is an appropriate funeral offering for a body of men who have raised quite a sum of money for the purpose. It was composed of long stemmed American Beauty roses at the top and sides, then auratum lilies in front of which were laid Kaiserin roses. At the foot, the spikes projecting the other way were white gladioli. In the center or as it appeared where the cluster was fastened together, were cattleyas and lily of the valley, the bow being of wide orchid ribbon. The whole was built up on an easel with cycas leaves as a background. Such a piece is very showy as every individual flower stands out and all are seen at once, thus affording the best possible effect. Such a design should readily command from $50 up, according to the season. K.

AN ELABORATE CLUSTER.

Canadian Horticultural Association.

The ninth annual convention of the Canadian Horticultural Association was held at the Ontario Agricultural College, August 29 and 30. There was an attendance of some 50 for the opening session, later trains swelling it to 100. The first session opened with an address of welcome by Prof. Reynolds, who took the place of President Creelman, detained by family bereavement. He stated that the work of the Ontario Agricultural College was similar in many respects to that of the Canadian Horticultural Association. Both led to the beautifying of the homes, and the home life. He referred particularly to the work in horticulture and floriculture in Guelph, and asked the florists assembled to call upon the college at any time for aid. In conclusion, the professor granted the delegates the freedom of the institution.

President Fendley in his address expressed the feeling that every delegate should make himself at home, and be benefited by the convention. The florists' trade was only in its infancy in Canada, and would be furthered greatly by close attention to the discussions. Florists should be taught to fill every available space around their premises, and the public would take notice. The trade should have a telegraph code, and should be able to get the standing of every florist in the business, so that goods will not have to be sent C. O. D. where the orders come from dealers unknown to the florist.

The report of Secretary Ewing showed that there were 81 members in good standing. Out of these, 45 were resident in or near Montreal, 12 Toronto, and 24 from other places from Manitoba to Nova Scotia. The large number from Montreal is due to the fact that the convention was held in that city last year. This is the first time that the convention has been held in a small city, and it was a good move because the smaller city requires the benefits the convention imparts more than the larger ones where the trade is wealthier. The aim of the association was to lift up and carry forward all that tends to advance the interests of horticulture.

The report of Treasurer Simmers showed a balance on hand of $92.91. A question that evoked much discussion was "How many stock plants should one keep to produce 4,000 geraniums, by the end of May?" The general opinion was that the question could not be answered satisfactorily, because some varieties propagate more readily than others. E. I. Mepsted said that about 150 plants would be required, and in some conditions less. Thos. Manton said there were plants in the vicinity of Hamilton that would give that amount from 75 to 80.

The trade exhibition in connection with the convention was not large, but creditable. Some excellent specimens of plants and cut oflwers were shown. E. I. Mepsted, G. A. Robinson and Thos. Manton acted as judges. Certificates of merit were awarded to A. Gilchrist, Toronto, specimen of Nephrolepsis Whitmani; R. Brooks, Fergus, double tuberous begonia; J. Campbell, Simcoe, new gladiolus Peace. Diplomas were awarded Wm. Colvin, Galt, for

gladioli; Wm. Gammage, London, for collection of foliage plants.

At the evening session Prof. Harcourt gave an interesting talk concerning the nature and purpose of fertilizers, and the action of certain elements on certain soils. It was largely a matter of observation and experience on their part to adapt the different commercial fertilizers to make up the necessary constituents needed in their respective soils to produce the kind of growth and plant wanted. John Morgan, Hamilton, spoke of his methods of growing carnations. He used lime to prevent root rot. Other florists said they had not had much success with lime.

At Thursday morning's session London was chosen as the next place of meeting. J. H. Dunlop, Toronto, discussed development of roses for decorative purposes, and their special requirements. Dr. Bethune took Mr. Jarvis' place and talked on greenhouse insect pests, illustrated with natural and preserved specimens of plants and insects. Both papers were thoroughly discussed.

At Thursday afternoon's session Geo. Vair gave a paper on conifers, showing how the evergreens and other cone-bearing plants could be used for decorative purposes. Prof. Hutt told of the horticultural department and experimental work at the college, and then conducted the party on a tour of the college buildings and grounds.

At 5:30 an "at home" was held on the grounds near the gymnasium, and a very interesting group it was. After partaking of sandwiches and a cup of coffee, daintily served by Miss Hardie, assisted by a number of obliging young ladies, while McLaren's orchestra furnished music, J. H. Dunlop, Toronto, on behalf of the association, paid a compliment for their reception and the co-operation they had received from the horticulturists in Guelph and the college, and called on E. Shuttleworth, of Guelph. Mr. Shuttleworth said he was pleased to be with the association at this meeting. He drew attention to the fact that Guelph was an inland town, and that the horticultural society here could not be expected to make the same progress as in larger cities.

Principal Young congratulated the association on its representative meeting of members from Winnipeg to Nova Scotia, and interested gentlemen from the country to the south. No better place could have been chosen for the meeting. He briefly referred to the work done by the society here, and more especially to that of the schools in horticulture, which had been taken up three years ago. The success of the step was a great surprise to all, in the interest the pupils took in raising plants provided them. The work was of an educative character and of great benefit to the children.

P. H. Moore, of St. George's school, said he took a deep interest in wild flowers, and strongly advocated the importance of their protection. He had seen children gathering them in the basketful, and destroying them. They should be allowed to grow and reproduce, as they are becoming less numerous.

Wm. Gammage referred to the growth of the association and its efficiency, after which he presented the retiring president and his lady with a cut glass tea service, which was suitably acknowledged.

Archie Gilchrist made a happy speech, tracing his connection in the working of the Guelph society, what it had done and evidently is doing. He told of some laughable incidents while he was a resident.

H. Simmers gallantly replied to the vote of thanks to the ladies, which was sung with "For They Are Jolly Good Fellows," and all the other honors.

In the evening W. C. Hall gave a practical address, giving a number of pointers to the retail trade on the manner of dressing up their stores, keeping up and displaying their stock and conducting their business.

Officers for the ensuing year were elected as follows: W. J. Lawrence, president; J. Walsh, first vice-president; G. Dale, second vice-president; H. Simmers, treasurer; A. H. Ewing, secretary.

W. J. Lawrence.

President-elect Canadian Horticulural Assoc.

A matter discussed by the convention was the visit of the American Carnation Society to Toronto next January. It was the first time they had visited Canada for 20 years. The convention decided to donate a trophy for competition in some special class at the Toronto meeting. The value will be $50.

A committee was appointed to consider what aid the Ontario Agricultural College could give the florists, and resolutions of thanks were passed. The greater number of the party went down Friday morning to visit the Dale greenhouses at Brampton.

The florists were much pleased with the success of their meeting, and the welcome given them by Prof. Hutt and others of the staff. They were especially grateful to Mr. Hunt of the horticultural department, for his indefatigable work in making the arrangements for the convention, and in looking after the details which made the visit to Guelph such a success.

THE TRIP TO BRAMPTON.

After leaving Guelph the majority of the members visited Brampton on the invitation of Manager Duggan of the Dale estate, and while in the city visited the establishments of W. Fendley and R. Jennings. At the Dale estate everything was noticed to be in tip-top order. The roses, a specialty with this establishment, were looking extremely well. The Canadian Queen, one of the firm's own productions, gives promise of good quality blooms in large quantities, In the lily of the valley forcing house there were thousands of pips planted, many of which were coming into flower, and when it is known that there are 1,225,000 pips purchased each year by this firm, an idea can be had of the vast business in this specialty alone which is done by the firm. The orchids were looking exceedingly well; many of them are in bloom, but as there are 2,000 plants, it would be difficult to dispose of the entire cut at one time, and some are brought in at different seasons. In the chrysanthemum houses some of the earlier varieties are already showing color. There are 90,000 plants which will last until after Christmas. Four new houses 25x80 feet and three 25x 150 feet have been added this year.

Mr. Jennings' carnations, of which there are none better grown in Canada, were found to be in the best of order. Enchantress and Lawson, in the white, and some variegated varieties, are being cut in quantities, and from the general appearance of the place indicate a continuous crop for the season. A new range has been erected for violets, the plants of which were placed in solid beds. Buds are showing and it will only be a few weeks before flowers will be ready for cutting.

At Mr. Fendley's violets predominate and the plants are looking unusually healthy and give great promise. Carnations look well and the other miscellaneous stock around the establishment is all in good shape.

H. G. D.

THOSE PRESENT.

Among those in attendance or represented were the following:

D. MacRorie, South Orange, N. J.; R. Brooks, Fergus, Ont.; Fred Clark, Bracondale, Ont.; H. A. Bunyard, New York; S. Foster, Hamilton; R. King, Toronto; G. C. Arnott, Toronto; Albert Houle, Toronto; D. J. Sinclair, Toronto; D. Dunbar, Arthur, Ont.; A. G. Steven, London, Ont.; F. Dicks, London, Ont.; Adam Dunn, Galt; W. Muston, Davisville, Ont.; J. Gilchrist, Guelph; J. Dickenson, Woodstock; Geo. Douglas, Davisville, Ont.; Ernest Collins, Toronto; C. C. Fraser, Moncton, N. B.; Geo. Vair, Toronto; T. McVittie, Wychwood Park, Ont.; David McLeod, Hamilton; A. W. Annandale, Toronto; Jas. A. Fraser, Prescott, Ont.; E. Dale, Brampton, Ont.; G. Manton, Eglington, Ont.; Thos. Manton, Eglington, Ont.; W. J. Lawrence, Eglington, Ont.; J. Campbell, Simcoe, Ont.; J. Walsh, Montreal; G. Trussell, Montreal; Camille Legare, Montreal; G. A. Robinson, Outremont, Que.; Mrs. G. A. Robinson, Outremont, Que.; J. Bennett, Lachine, Que.; W. Williams, St. Anne de Bellevue, Que.; R. Burrows, St. Anne de Bellevue, Que.; G. Hopton, Montreal, Que.; Mrs. G. Hopton, Montreal; A. C. Wilshire, Montreal; D. Flett, Mt. Forest, Ont.; C. Nisbet, Davisville, Ont.; J. Morgan, Hamilton; W. Taylor, Barrie, Ont.; John E. Riggall, Toronto; A. Gilchrist, Toronto Junc.; Blackie Bros., Halifax; W. Iler, Berlin, Ont.; W. Hunt, Guelph; H. Simmers, Toronto; W. Fendley, Brampton, Ont.; L. Williamson, Ottawa; J. Cranston and son, Hamilton; J. H. Dunlop, Toronto; W Gammage, London; E I. Mepsted, Ottawa; T. Lawson, Hamilton; W. Hall, Montreal; W. Jay, Toronto; R. Ellis, Leamington, Ont.; W. Wilshire, Toronto; H. E. Philpot, Winnipeg; W. Kehoe, Ottawa; A. H. Ewing, Woodstock, Ont.

W. J. Lawrence.

W. J. Lawrence, the newly elected President of the Canadian Horticultural Society, was born in Toronto, in 1866, and has had a life long experience in all things pertaining to horticulture. Commencing when 14 years of age as an apprentice at "Chestnut Park," the residence of the late Sir D. L. Macpherson, serving five years under George Vair, he then went to Hamilton and was with F. G. Foster for two years. Returning to Toronto he took charge of the store business of the James Fleming estate, and then was some time with Granger Bros., and afterwards was with John H. Dunlop for about four years.

Mr. Lawrence commenced for himself in 1898 and by his ability, energy and push has built up a large business. His property is situated on Kensington avenue, North Toronto, and comprises about 60,000 feet of glass, all of up-to-date King construction, besides several acres of grounds, the soil and situation being admirably adapted for the cultivation of roses, carnations, etc.

Mr. Lawrence by his integrity and kind and genial manner has made many friends; he is a councillor for the town of North Toronto and chairman of the water and light committee. He is also well known as a vocalist, being a very popular singer. His portrait herewith is reproduced from a photo taken six years ago. H. G. D.

W. K. HARRIS' JAPANESE EASTER AZALEA.
Azalea amœna type, but brighter in color.

THE CARNATION.

Seasonable Notes.

The carnations in the houses should be thoroughly established by this time and are now making growth and of course need very careful attention, specially in the matter of watering which must be attended to in a most thorough manner. As soon as the plants have taken good hold of the soil it is beneficial in more ways than one to give them a light mulching of mushroom manure or some other light top dressing. It contains very little nourishment but is ideal for keeping the surface of the soil in the benches loose, and preventing it from drying up so quickly, as well as saves considerable time in watering. If the shade has not already been removed from the houses that should be attended to at once. From now on the plants need all the sunshine they can possibly get, as well as air. Give all the air possible in the houses night and day if the weather permits, but care should be taken to keep the end doors on the houses closed to avoid draft or the result will eventually be a good dose of red spider.

The indoor grown stock should be well advanced and beginning to throw up good flowering stems and should be pinched back no more. Keep them closely disbudded as they need it and above all keep them well tied up, as many a good crop of flowers has been compelled to grade as second and third rate on account of not having been properly tied up in time.

There are various ways of tying up carnations and it is hard to state which is the best, all points considered, as several of them have their merits. Amongst them are one or two new ones exhibited at the Dayton convention that appeared to have all the earmarks of good carnation supports, but it is safe to say that the majority of the carnations in the country are tied up with ordinary wire and strings, running the wire lengthwise and tying with strings crosswise over the benches, allowing two strnigs to each row of plants. If this method is kept up from the start, it is as good as any, in fact it has the advantage over the rings and stakes in that it allows the plants more space and at the same time leaves as much space between the rows on the benches. We use No. 18 wire for the outside rows and No. 22 for the rest of the bench and at the end of the season we only retain the outside wires, as we find it cheaper to cut the other wires in a few places and throw it out with the plants than to try to roll it up and save for another season. The wires are kept in place by uprights nailed on the inside of the bench about every 10 or 12 feet, using lumber 1 x 1½ inches and the same material across the bench.

Fumigate regularly no matter whether green fly is seen or not. One ounce of preventative is better than a pound of cure. It is better to get ahead of the pest in the house than to let it get ahead of you. J.

Carnation Comment.

As lifting and transplanting to the houses proceeds, it develops that field losses in carnations will not be so heavy as was anticipated 10 days ago. In places where the subsoil was hard and heavy the plants rotted off at the roots, but where the substrata was sandy, little damage has been done. It is also noticeable that the fields that had been well cultivated and hoed through the earlier part of the season came out the best. I am convinced from this year's experience, that if there was more care and attention given the carnations in the field we would hear less of stem rot and other diseases in the houses. For some varieties, notably Lawson, I believe in planting from 3-inch pots to the benches in May or June, but other varieties do better in the field, and growers should not be afraid that they will ever cultivate or hoe them too often. It pays to go through them every week. This may not be news, but please remember that eternal vigilance is the price of good flowers.

I note that one of the all-wise writers on carnations advises that they be dropped, as summer flowers. I emphatically disagree with that proposition. "Good carnations always sell," say the retailers. But good summer carnations cannot be had by planting out the tailings of stock, for that purpose. Plants for summer blooming should be propagated the latter part of November or early in December, carried on to 3-inch or 3½-inch pots, and planted out by the first of April, at least in those parts of the country south and west of Philadelphia. Such plants will stand a heavy white frost, and thrive

on it, if they are kept cool in the house.

I have this year noted that the Enchantress, if properly handled, will make an ideal summer carnation, and now that most growers have a reasonably large stock of it on hand, I have no doubt that it will be more generally tried for that purpose, for as an all around carnation Enchantress "has them all beat a mile."

SPECIALIST.

Commercial Carnations.

Paper read by John Morgan, of Hamilton, Ont., at the annual convention of the Canadian Horticultural Association, at Guelph, August 29-30, 1906.

Commercial carnations and their culture is a subject that has been dealt with a great deal by the different trade papers, and what I have to say may possibly be a repetition of what you have already read, but most of the papers on this subject have been chiefly for the benefit of the large grower, and my remarks are intended chiefly for the small grower. I, myself, am a small grower and can only give you my experienec as such.

One of the greatest mistakes a small grower makes is in attempting to grow too many varieties; seven or eight varieties are ample for the average florist. It is well known that different varieties require different treatment, and the fewer varieties you bother with the better, providing you have a range of color. Find out which varieties you can grow best and then stick to them until you are positive there is something better. I do not mean never to try any new variety; by all means try a few of one or two new varieties each year, but do not spend all your profits in buying new varieties, for instead of getting a gold mine, which one would almost expect to get from the description, in most cases you get what is commonly known as a gold brick. The outside or description is very glittering, but the article itself is a fraud and imposition.

The list of varieties I have found most profitable are: In light pink, Enchantress and Fair Maid. In dark pink, Mrs. Lawson, although some growers are superseding this with Nelson Fisher; but so far, this variety has not proved as profitable with me as Lawson. In scarlet, Estelle is still the best with me; Red Lawson is a good one to grow, but cannot be called a scarlet, and the color is objected to by some. In crimson, Harlowarden is the only one I have found worth growing. In white, White Lawson, Queen and Boston Market have proved themselves the best. Lady Bountiful is a nice white, but I do not think it will give as good returns as the others mentioned. I might mention that Boston Market is the best keeping carnation in commerce, and is also one of the best perfumed. The yellow and variegated classes I do not grow, as I am convinced that to be profitable you need to get a fancy price and I notice that the large growers are not growing so many of the fancy varieties, as they used to, but are planting more largely of the varieties I have mentioned.

In regard to culture, I believe in propagating early, say in November, for at this time you will have a finer lot of cuttings than at any other time during the season. When your cuttings are rooted, put them in pots or flats, whichever is most convenient, and grow in a low temperature, that is in a violet temperature, and they will be fine strong plants when the time comes for planting out in the field. It is needless for me to say to keep the plants free from weeds, and to keep them well cultivated. August, I find, is the best month for planting in the houses; I have planted in July, but the plants seem to get stunted with the heat. In August, the nights are longer, and the plants recover much more quickly. I notice one of the largest growers in Chicago has given up planting in July. Do not open the ventilators very wide for two or three days after planting, but syringe every few hours, and your plants will soon go ahead; then give all the air possible, and only syringe to keep down red spider. Do not syringe just for the sake of seeing the water fly, for I am convinced the less carnations are syringed during the fall and winter months the less disease there will be.

Crimson Fountain Grass.—Fig. 1.

One of the principal things in growing good carnations is to give plenty of fresh air during the winter months; do not nail the ventilators down, as I know one florist did, for that poor fellow is out of the business now, but try and open the ventilators every day, even only if for an hour at noon. During the season of heavy firing, the plants are apt to get soft and subject to disease, but fresh air will keep the plants hardy and in good health, and it will be found that the bloom will keep much longer than if grown in a stuffy atmosphere.

Carnations, like other plants, are subject to various diseases, and one of the most dreaded is stem rot; the starting point of this, I believe, is the propagating bed. I bought two batches of rooted cuttings, which anyone could see had been left in the sand too long, the bark being quite soft, and as I expected, they had a good dose of stem rot. They died off in the field, and also on the benches, after planting, but after giving them three heavy applications of air-slacked lime, the disease was entirely stopped, so if troubled with stem rot, try the lime cure, and I do not think you will be disappointed.

Now a few words regarding the bloom. Don't let the flower fully develop before cutting; you may have to sacrific size some, but the public will get more benefit from them. People are beginning to tire of buying sleepy carnations, and will buy other flowers instead, unless we give them blooms that will last at least three or four days.

CHRYSANTHEMUMS

Cultural Notes.

Although the chrysanthemum is an easily grown plant yet the growing season is short for the amount of work that has to be done, and it is highly important that all cultural details be carried out in proper season. This is the crux of the whole matter, for there is nothing really difficult or requiring exceptional skill from first to last. The plant is an omnivorous feeder, and now that the roots have taken a thorough hold of the soil frequent applications of manure water should be given, always when the soil is moist and preferably in dull rather than very bright weather. Care is needed in applying it to keep it off the leaves or these will be ruined in appearance and the value of the flowers reduced.

Should there be any beds or parts of beds in which the plants are not well rooted no liquid manure should be given and clear water must be sparingly applied, the roots to get well on the dry side before watering and then giving only just enough to well moisten them. Overhead watering should now be discontinued in the afternoon and only sufficient given in the morning to keep insects in check. Where aphides are troublesome an insecticide should be used, one pound of soft soap and two quarts of tobacco water to 20 gallons of clear water being a cheap and effective home-made article. Many of the proprietary insecticides are good, used according to the makers' instructions.

Taking the bud as it is termed by growers consists of removing the shoots from around the crown bed that appears in August and September. Among the light colored and white varieties this bud has usually a stiffer footstalk than that of the terminal and unless too early for the purpose this bud should be selected. In the darker crimson and purple shades the terminal bud usually produces flowers of higher color, and on this account is preferred by some growers.

It is important that if the crown bud is chosen it be taken early, before the surrounding shoots have robbed it of nutriment. In the natural course this bud is starved by the development of these side shoots and to attempt to save it after these have attained an inch or two in length usually ends in disaster. When the plants are run on to terminals these too must be disbudded early to obtain good single flowers. Sprays formed by leaving all the buds are not finding as much favor as formerly in the markets.

The support of the plants must be regularly attended to, and after the buds are formed it is well to place a few up-

right stakes among the plants. Birds often do a great amount of mischief by alighting on the buds and having something stouter to cling to prevents this.

Plants that were plunged in their flowering pots will now need to be shifted and stood farther apart unless ample room was allowed at first. If they stand and root through the bottom they are bound to suffer badly when moved. A neat central stake and the side branches loosely tied to this is all the support these need, and it must be done at once so that the foliage as it develops hides the stake.

These plants being now well rooted must have abundance of water and frequent applications of liquid manure up to the time the flowers show color. Otherwise the lower foliage will suffer, turning yellow and falling prematurely; the flowers also will be deficient in size and substance.

The Crimson Fountain Grass.

One of the most interesting things of the season, with us, has been the trial of a packet of the seed of the so-called Pennisetum macrophyllimo atrosanguineum (crimson fountain grass). This is said to be native to New Guinea, while the well known purple fountain grass, P. Ruppellii, comes from Alupsinia. For several years we have been propagating this crimson fountain grass by division, never having been able to get seed that would germinate. This year, however, the seed, which we bought germinated to the extent of about 25 per cent. Among the seedlings are at least six well defined varieties, and three of these seem worthy of perpetuation. Some of the forms are as shown in Fig. 1, which is practically the same as the form we have had for two years or more. Figure 2, it will be observed, differs very widely and more nearly approaches P. Ruppellii.

There are still narrower leaved forms than this. Indeed the majority are anything but large leaved. They are not on that account less beautiful, but, on the contrary, they are, to my taste, much more graceful and effective. The variation in color is as remarkable as the variation in form—the deepest toned ones closely matching Black Beauty canna, while some are plain green. The plumes do not differ essentially in color, so far, from those of P. Ruppellii, nor in form either; except that the inflorescence seems to become bolder as the leaves increase in width. Were this the only experience with this new plant, we should be inclined to believe that it is only a variation or mutant from P. Ruppellii. Perhaps some of the people who have been instrumental in putting it before the public, can tell us more about it.

Whatever its origin or botanical relationship may be, the thing itself is certainly a most desirable addition to our list of ornamental grasses and lends itself kindly, as a border for cannas or other tall growing plants, when a color scheme is to be carried out. The photos herewith reproduced are from plants from seed sown February 1, 1906.

JOHN F. COWELL.

OLYPHANT, PA.—E. J. Hull is erecting a new greenhouse at the rear of his home.

THE ROSE.

Summer Roses.

As I write this article there stands beside me two vases of roses, one of Killarney, the other Richmond. They are full bloom and one could not wish to behold anything prettier in the rose line than either of these roses. As I predicted last winter that these two roses gave great promise, I find they have proved their worth beyond my expectations. Richmond is, of course, rather single; too much so for an ideal summer rose, unless it is grown in a cool climate, but Killarney, although as single as Richmond, is better adapted for growing as a summer rose, and young stock planted early for summer bloom, gives some very fine midsummer flowers. The second year after Killarney is shifted from raised benches to solid beds it does equally as well, but is perhaps a little later in producing long stems.

I am inclined to believe that some of the somewhat single varieties are growing in favor, and as I look at two such varieties, namely, Richmond and Killarney, near me, one a beautiful, velvety red holding onto its color to the last, and the other a delicately shaded pink, both so fragrant, I wonder if any one could wish for anything more gorgeous in roses.

But the general demand seems to be for the more compact formed buds such as Bride, Perle or Kaiserin, and until our friends, the store men, can educate the rose-loving public to the fact that some of our most beautiful roses are the semi-double varieties, we will have to pin our faith to the full-petaled sorts.

As an ideal white summer rose Kaiserin has proved indeed a queen and in my estimation leaves nothing to be desired. It is prolific, fragrant, a good keeper, and a ready seller, and it is as much better than the Bride in the summer as the Bride is ahead of the former in the winter. One rarely sees good Kaiserin after December 1, unless grown in the southern states.

But we cannot grow white alone for summer so Carnot fills the bill for a very light pink variety and is a prime favorite. Like Kaiserin, this is truly a summer rose. For a deeper pink we have Wellesley. Much like the old La France, but much better and from what I have seen and can learn this rose is an exceptionally fine summer variety and when it becomes better known it will perhaps supersede some of the older pink varieties. For winter forcing it is one rather difficult to handle, but it is expecting a great deal to have a fine summer rose to do equally well in winter.

Next year, from all accounts, there will be several new roses of merit to receive a trying out, and I trust we may find them even more desirable than their predecessors, but right here I must say they have got to be good ones to make those we now have to select from take a back seat. But who knows?

By the way, you will find that Richmond and Killarney are great feeders and consequently the soil is rapidly filled with roots, so have a care how these two varieties are cultivated. Look out for surface roots and cultivate accordingly.

As the days grow shorter and as they will soon become cooler, syringing once a day will be sufficient, but if the temperature at noon reaches well up in the nineties, a very fine spraying overhead will brace up the plants wonderfully, but just enough so the plants will be thoroughly dried by sundown, for the evenings are somewhat cooler even now and we must guard against black spot. It usually appears at the time when it is hardly cool enough to start the fires. Varieties such as American Beauty, Liberty and Richmond will require especial care as regards watering

CRIMSON FOUNTAIN GRASS.—Fig. 2.

and should not have the soil under them on the wet side at night, or their surroundings too damp.

Ventilating will from now on take some of our time, and when the night temperature drops as low as 70° the sashes can be lowered down to a crack a few inches in width, raising them very early mornings.

OUT DOOR EXHIBIT OF NATHAN SMITH & SON, ADRIAN, MICH., AT DAYTON.
Showing bed of Canna Oscoda.

The old plants being carried over should now be breaking freely and it is still rather early to let only the best blooms be cut. The short stemmed flowers should be kept cut back to firm eyes and if the Golden Gate and Ivory have too much brush or twiggy growth now is the time to begin to prune it out while they are growing vigorously. I would suggest pruning a little every month or three weeks on them, rather than to take off too much wood at one time.

It would not be a bad idea to make doubly sure that the boilers and piping are in working order, for at this season one may have a rather cool, rainy day when a fire can be started and a pipe turned on for sulphuring purposes if only for an hour; this does far more good than five times the amount of sulphur applied with blower. I may be rather early in referring to cool weather while it is yet very warm, at the same time to treat the subject universally one should assuredly be on the safe side by September 1. E.

LONG BRANCH, N. J.—G. J. Nordell has retired from business and relinquished control of the houses and gardens established in Belmont avenue by his father in 1868.

LEXINGTON, KY.—D. B. Honaker has the management of the plant and flower display that will be given at the Blue Grass fair. The sum of $200 was set aside for the largest and best collection of palms and decorative plants; a like sum for the largest and best collection of cut flowers; and $60 for the best floral design made from natural flowers. It has been decided that the entire lower part of the Floral hall will be devoted to this exhibit.

PALMS AND FERNS.

Seasonable Notes.

During the period of rapid growth that is covered by the months of July, August and September, these plants soon become crowded and are quite liable to grow out of shape or to become one-sided. This condition is especially noted in the outside rows of the plants, where they naturally turn toward the light, and unless the benches are rearranged from time to time there will soon be a number of crooked plants that cannot be sold for first class stock.

It is but the work of a few minutes to swing around the outside row of plants on a bench or bed, and thus to encourage them to pull up into an erect and shapely growth again, though it is still better to set over the entire lot on the bench, and to grade them into their various sizes, so that there will be little time lost in selection of plants when the busy season opens. This operation also gives an opportunity for the removal of all weeds and rubbish from among the plants, besides disclosing any dirty plants or leaves that may have been hidden from a cursory view of the whole, and altogether will prove to be time well spent Of course these trifling details of culture will be looked after by the man in charge of the house if he really manifests any interest in his work, but at the same time it sometimes becomes necessary to offer some such reminders as these "lest we forget."

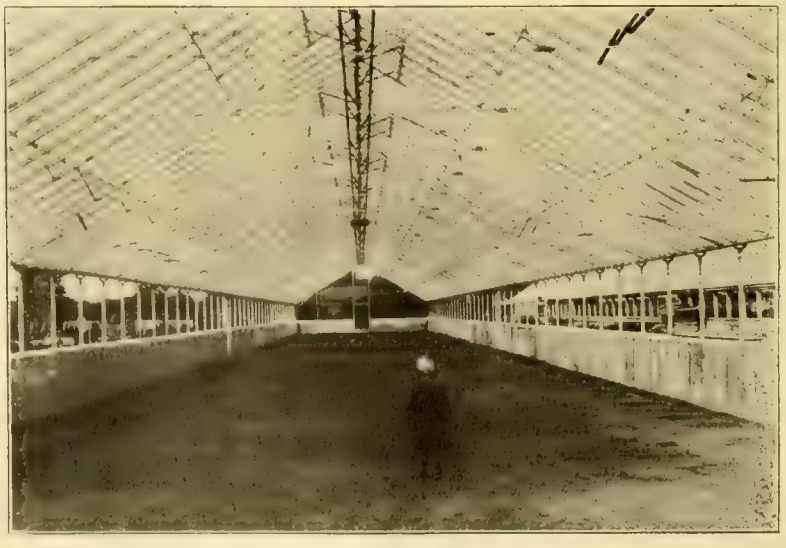
The warm days and humid nights make the palms grow very rapidly, but also make free ventilation very much needed, and unless fresh air in abundance is supplied the growth of the plants soon becomes thin and spindly, the final result being a lot of ill-balanced plants that are only of use as fillers in a lot of made-up stock.

There is little danger of hurting the ordinary commercial species of palms by hard syringing with a hose, though plants in small pots are sometimes knocked over by the force of the stream, but vigorous work with the hose at this season while the plants can assimilate a large supply of water, will do much to keep down the ever-ready crop of destructive insects.

Seedling palms also push along with the heat and moisture so bountifully supplied by nature, and as this young stock gets in condition to be handled it should be potted off and carefully watered until the disturbed root system has taken a fresh hold, it being sometimes best to cover these young plants with papers for a few days if the weather should prove very windy and dry, but unless such conditions do prevail, the ordinary shading on the roof of the house will be quite enough.

The raising of palms from seed does not by any means imply a succession of quick money crops, for this young stock is liable to be on hand for quite a length of time before it becomes saleable, and in addition to this there is always more or less loss from imperfect seeds. From which it will be readily understood that it becomes necessary to give the seedlings proper care if there is to be much profit from the work.

After the seedlings are established in



W. W. COLE'S NEW KING CONSTRUCTION HOUSE, AT KOKOMO, IND.

CALADIUMS AT THE ESTABLISHMENT OF JOHN LEWIS CHILDS, FLORAL PARK, N. Y.

the small pots much less shading will be required, and by the middle of October little or none will be needed. The first few days after potting most of the palm seedlings will be benefited by a light spraying overhead two or three times a day during bright weather, but this should not be heavy enough to make the soil sodden.

A recent potting of Latania Borbonica has given between 96 and 97 per cent of seedlings from the batch of seed, and such a percentage is not at all unusual for this palm, provided the seed has been ripe and fresh, but cocos and kentias seldom approach such a percentage of germination as this.

The dwarf Phœnix Rœbelenii is evidently coming into the market in much larger quantity than in former years, both plants and seeds being offered more freely than formerly, and when this palm can be sold at a somewhat lower price, it seems quite probable that it may prove useful. It is a very pretty little palm with quite enduring foliage and graceful form, but in common with most of the members of this genus is rather slow in growth while young. The handsomest of the phœnix family is undoubtedly P. rupicola, but this is far too slow to be a profitable trade palm, and in consequence has been almost entirely dropped by the majority of the trade growers.

In the fern house it will be found that some of the early stock is quite ready for shifting into 3-inch pots in preparation for filling ferneries during the early winter, and while it is not best to repot this stock too early, yet it will not pay to get it long and starved in the 2-inch pots. Ferns for table ferneries should be short and stocky, and well furnished, and as they progress quite rapidly when put into the larger pots, one must do this work in accordance with the time the demand opens, and also run them in such successive lots as the market seems to warrant.

A fumigation with nicotine occasionally will do much to keep them free from thrips, and will do the ferns no harm unless very carelessly applied. The small brown scale and its white progeny that are so frequently found on nephrolepis spread very rapidly at this season and require a careful watch on the part of the grower, the result of an attack from these insects being found in a series of yellow spots that soon become visible on the upper sides of the affected leaves. As these injured leaves will not regain their former color, it is useless to try to save them, the best treatment being to cut out and burn all such affected fronds, after which the spread of the insects on other parts of the plants may be checked by frequent syringings with extract of tobacco, while any plants that are intended to be kept for stock for the following season should be carefully selected from clean runners only. This is a most destructive insect and has given much trouble to growers of these ferns in many parts of the country.

There is still time to pot off young plants of the nephrolepis varieties, in order to prepare them for Christmas sales, the end of the summer and the autumn both providing many weeks of good growing weather before the short days curtail the growth of all plants.

W. H. TAPLIN.

WITH THE GROWERS

John Lewis Childs, Floral Park, N. Y.

While there is always something peculiarly attractive to visitors at the establishment of John Lewis Childs, Floral Park, N. Y., a look over it at the present time is worth a long journey. The gladiolus season is on and a drive through the gladiolus farms is delightful. There are over 100 acres in bloom, presenting a gorgeous color view. As there are about 80,000 bulbs planted to the acre the spikes run to many millions. Conspicuous among them all is the new Gladiolus America now being disseminated. In color it is a soft lavender pink, very light, almost a tinted white, spikes two and three feet long, very large spreading blooms, and luxuriant dark green foliage. It is evidently a favorite with florists already, bringing more than any other variety in the New York cut flower market. When cut it lasts in water a week or more, the blossoms retaining their vigor and delicate coloring to the last.

It would be impossible to enumerate all the different handsome sorts seen in the field, but some are too striking to pass unnoticed: Attraction, deep dark rich crimson, with a pure white center and throat; Wild Rose, delicate bright rose; Blue Jay, rich deep blue, said to be the only real blue in the market; Cardinal, bright scarlet; Deborah, dark red tinged with amaranth; Harlequin, white and dark crimson, striped, mottled and spotted; Irene, a fine pink; Jay, large flowered bright crimson pink, flamed

AT J. LEWIS CHILDS' ESTABLISHMENT, FLORAL PARK, L. I., N. Y.

The new Gladiolus America.

darker, with mottled throat; Los Angeles, large pure white, freely marked, penciled and blotched with bright rosy crimson; Melrose, white flaked pink, with bright crimson center; Nezinscott, bright blood scarlet with deep crimson black blotches and white mottlings in throat; Wm. Falconer, clear light pink with enormous flowers; May, extensively planted for cut flowers, almost pure white, with markings of bright rosy crimson; Contrast, intense scarlet, with large distinct pure white center neither tinted nor mottled, a most striking variety; and Sulphur King, a beautiful clean sulphur yellow, are varieties which should be seen by everyone.

Upward of 20,000 spikes are cut daily for the New York market, and packed in two grades, spikes with fairly tight buds in crates, and spikes with fully open flowers in cases, the latter being mainly the finer sorts and bringing better prices.

In the home grounds 40,000 tuberous begonias are seen in frames covering many varieties, good sized plants, many double sorts with flowers rivalling the camellia in size and purity of color. There are also about the same number of gloxinias to be seen. An unusual sight is a large bed of Lilium Philippensis in flower. While this variety does not seem to attain, in the open, the height of other lilies its extraordinarily long white trumpets and heavy fragrance would seem to compensate for the deficiency.

In the greenhouses preparations for a good season are very evident. The establishment has been catering to the florists' trade more and more during the past few years and now has some very large wholesale offerings. Phœnix Rœbelenii, the new palm, is prominent in one house, many specimen plants running from 1½ to 3½ feet high being seen on the benches. A block of plants 3 feet high are 3½ years old from seed. The preparations made to disseminate this palm may be understood when it is known that there are over 200,000 seedlings available for immediate sales. There is a fine house of crotons in varieties suitable for the holiday trade. A house of begonias looks very pleasing. There are a dozen new varieties, seedlings, in course of propagation for dissemination next spring.

Caladiums are quite a feature here, one house being filled with a beautiful collection of plants in all sizes and a variety of colors. There are to seen many unnamed seedlings of great promise, and novelties in colorings and marking. A notable new variety is Snowstorm, a beautiful white and green caladium, with extremely large leaves, and very bushy in habit. Another is Glowing Coal, a red black, with bright markings.

A. Jaericke, the superintendent of the greenhouse department, is very proud of the showing made of caladiums, and justly so.

Toronto.

TRADE ACTIVE.

Unusual activity prevails for the summer months, and business especially with the retailers is the best ever known. There has been a number of good weddings, with the usual amount of funerals, and the better grades of roses, carnations and good stock have been utilized to advantage. Being so near the gladiolus bulb center, there are so many flowers thrown on this market that from a wholesaler's view, they are not disposed of to very great advantage, but the last week some of the retailers have used as many as 1,000 a day, which has helped to make an inroad on the wholesaler's supply. Asters, which a short time ago were a glut, have shortened considerably, the dry season not being favorable to the later varieties,

At the Toronto Exhibition.
G. Mills, W. J Peak, H. G. Dillemuth.

and at present there are only one or two growers who are bringing good stock into town.

The convention at Guelph and also the Industrial fair have brought many visitors to the city, among whom were Mrs. and Miss Scrim, Ottawa, Ont.; Thomas Best and wife of Muir's, Chicago; E. E. Piser, Chicago; M. Skinner, of Mitchell Nursery Co; H E. Philpot, Winnipeg, Man.; W. Peak, Buffalo, N. Y.; Jas. Mortimer, Boston, Mass.; Chas. E. Russell, of the Gasser Floral Co., Cleveland, O.; A. J. Stephens, London, Ont.; W. Hall, Montreal, Que.

H. G. D.

St. Louis.

THE MARKET.

The weather during the early part of the week was cool, but at time of writing it has warmed up considerably. There is nothing doing. The openings

Raymond, Son of F. J. Foster, St. Louis, Mo.
On prize pony Bobby B.

of the schools and theaters and the closing of the summer gardens will help things a little, especially in the downtown district. Carnations arrive with small blooms and short stems. A few long stemmed Enchantress can be seen and are eagerly sought. Most of the roses are wretched; even American Beauty is soft and lacks substance, which makes its keeping qualities very poor. Some good asters are in the market. A great deal of the smilax now coming in is of very poor quality. Asparagus Sprengeri and A. plumosus are coming in and selling well. Most of the retailers have been repainting and fitting up their stores during the dull season, and are now anxiously waiting for something to turn up and start the wheel awhirling. Labor day developed a good demand at the market.

NOTES.

Shaw's garden was opened September 2 to the general public, according to the will of Henry Shaw. Owing to the very warm weather, only 12,255 persons visiting the garden. Professor H. C. Irish, superintendent of the garden, stated that the plants are in better condition than they have been in years. A thousand new plants have been brought in, mostly from the botanical garden in Sicily. Among the older plants are orchids, dahlias, and chrysanthemums, which will be in fine condition about the latter part of October.

Wm. Osseck, manager for Frank M. Ellis, deserves great credit for the good management he has shown in handling the business of Mr. Ellis, who has been away at Panama for over nine months. Will has treated his customers, both growers and retailers, with the greatest courtesy. Mr. Ellis is very lucky in leaving in charge a man who takes such an interest in his business and has not caused it to suffer in any way.

Geo. Reater, who has for several past seasons handled holly, evergreen and all kinds of Christmas holiday decorations, has gone north to oversee the shipping of his lycopodium. He will return November 1, and about November 15 will open his work rooms at 806 North Third street, where he employs men women, boys and girls in the making of festooning, wreaths and other decorative articles.

Geo. Angermueller has returned. He is getting ready for fall trade. He expects to receive some extra fine stock during the winter. George is smiling. A fine bouncing baby girl met him on his return from the wholesale house September 2.

Billy Winter's greenhouses, at Kirkwood, are in fine shape. All his carnations are housed and looking well, also a fine crop of violets. Billy has always been a very successful grower of violets. His stock is handled by H. G. Berning.

N. Jablonsky, of Wellston and Central, has everything in good shape. His carnations are all housed and his roses are all looking fine. His houses at Central are in charge of Henry Braun, who seems to be a very successful grower.

Ed. Gerlach, of Chas. Kuehn's, is spending his evenings at Delmar Garden. He can be seen on the main promenade escorted by a double escort. It is rumored Eddy favors the lady he is leading by his right.

Mr. and Mrs. Ellison of the Ellison Floral Co. has returned from the northern lakes and are ready for business in their handsome new store on Olive street, near Taylor. This is a very wealthy location.

We are glad to announce that Alex. Waldbart, Jr., is rapidly recovering from his injuries. He has been removed from

the hospital, and is now at home with his father. He hopes to be on his feet within a month.

Vincent J. Gorley is out with a very unique pamphlet, a boost for the birthday bouquet. His idea is to make the birthday bouquet a fad, which would help considerably the sales of the retail florist.

Theo. Miller makes a fine showing in his store windows during the summer season. It is one of the most prettily illuminated stores in the west end.

Jos. Widmer, Highland, Ill., was a visitor here. He speaks favorably of his houses, which are stocked with carnations and violets.

Siegel & Burke will have one of the largest of the store fall openings. They have secured the opening of the new Grand Leader store.

It is rumored that King's highway from Lindell boulevard to the south line of Forest park will be made a boulevard next year.

Andie Hoffman, with Geo. Waldbart, reports trade as picking up. He has full charge during the absence of Mr. Waldbart.

H. G. Berning and wife have returned from their much needed vacation Henry is always up and doing and ready for work.

Wm. Young, of Young & Sons, has returned from the east very much pleased with his visit to Dayton.

J. F. Wilcox, of Council Bluffs, Ia., is shipping good Bride and American Beauty roses to Frank M. Ellis.

Chas. Kuehn has just returned from the east. He went from Dayton to Detroit to visit his folks.

Fred Pape is growing some fine Mamam Cochet, also some fine tuberoses and asters.

R. J. Windler reports trade as fair with large funeral orders during the past week.

Will Adels, with the Ayres Floral Co., has just returned from his well merited vacation.

From all reports Chas. Beyer is having a fine old time at Niagara Falls.

Visitor: E. J. Fancourt, with S. S. Pennock, Philadelphia, Pa.

W. F.

NEWS NOTES.

ARVERNE, N. Y.—More than 5000 persons recently witnessed the first floral parade ever held here.

CLEVELAND, O.—The Cleveland Cut Flower Co. will erect a new heating building on Eddy road, N. E.

AUSTIN, TEXAS.—A. J. Seiders is starting in business as a grower at 1106 W. Thirty-eighth street.

WATERVLIET, N. Y.—Julius Gabriels is building two large greenhouses at Quedar park on the Spring street road.

DENVER, COL.—A. C. Sinram recently announced the opening of a well-equipped and modern retail store at 1555 Arapahoe street.

NEW ORLEANS, LA. — U. J. Virgin's new place on Canal street, will, when completed, be one of the finest show places in this part of the country.

PHILADELPHIA, PA.—The Peacock Dahlia Farm Co. was incorporated with a capital of $25,000 August 21. The farm will be located in the southern section of Camden county.

SOUTH PORTLAND, ME.—Hiram Dyer, who has of late been at the Ward greenhouses at Morrills, has entered the employment of J. W. Minott & Son, Pleasantdale, as foreman of their houses.

MORRISTOWN, N. J.—R. A. Elliott is preparing to change the location of his greenhouses to make room for the trolley line which it is expected will pass through the property in Park place occupied by him.

NEW CANAAN, CONN.—B. S. Woundy has been enjoying a two weeks' vacation, having visited in his absence Massachusetts, New Hampshire and Maine. His foreman, Ernest Wood, had temporary charge of the greenhouses.

ST. JOHNSBURY, VT.—James Burns, who leased the St. Johnsbury Greenhouses about two yeags ago from Mrs. C. F. Gibbs, has purchased the property. He will enlarge and improve the plant to accommodate his increasing trade.

RACINE, WIS. — On account of the bankruptcy of R. J. Mohr, the Asylum avenue greenhouses have passed into the hands of A. J. Fiddler, former owner. Mr. Fiddler will be pleased to meet old and new friends. He will keep on hand a large assortment of flowers, plants, etc., and attend to orders with promptness and dispatch.

MILWAUKEE, WIS.—One of the smallest lean-to greenhouses probably erected with modern equipment is one built by H. W. Brotzman on Twenty-eighth street. The house has three benches, water connections, ventilators, etc. The heating consists of one of the Herendeen Mfg. Co.'s boilers and 2-inch pipe coils under each bench.

BOSTON, MASS.—A pleasant celebration on the beautiful roof garden of the Civic Service house, the feature of which was an address suited to the occasion by Gov. Guild, marked the awarding of the cash prizes, offered by Mrs. J. L. Gardner, for the prettiest roof garden, or flower decked area way, in the north, south, and west ends.

FINDLAY, O.—J. J. Waaland, doing business as J. Waaland & Co. at 608 South Main street, has bought out the business of Barnd, Karg & Co., good will, real estate, stock, etc., of this city. The Barnds will leave for the south during the latter part of September, where they expect to start in the fruit business. Mr. Waaland intends making material additions to the greenhouses next spring.

RICHMOND, IND.—The Wayne County Horticultural Society held its regular meeting at the court house, August 11. Several reports on the general condition of fruit, grains and vegetables were read by the various members. Secretary Walter Ratliff read a history of horticultural work in eastern Indiana for the past century which was ordered to be published. The next meeting of the society will be held at Jackson park September 8.

OWENSBORO, KY.—The Nanz Floral Co. has filed articles of incorporation with the county clerk, the capital stock to be $2,000. The business of the organization will be growing, importing and selling of ornamental, flowering and bedding plants, blubs, evergreens, cut flowers and floral designs. R. W. Nanz is president of the corporation, the incorporators of which are the children of the late C. G. Nanz. An addition to the greenhouses is shortly to be built.

SOME OF THE NEW YORK DELEGAIES AT THE DAYTON CONVENTION.

OBITUARY.

R. S. Johnson.

R. S. Johnston, proprietor of the Sussex Nurseries, near Stockley, Del., died early the morning of August 28, aged about 65 years. His remains were taken to Philadelphia for cremation. A widow and two grown daughters survive him.

THE AMERICAN FLORIST

TWENTY-SECOND YEAR.

Subscription, $1.00 a year. To Europe, $2.00
Subscriptions accepted only from those in the trade.

Advertisements, on all except cover pages, 10 Cents a Line Agate; $1 00 per inch. Cash with Order.

No Special Position Guaranteed.

Discounts are allowed **only on consecutive insertions**, as follows 6 times, 5 per cent; 13 times, 10 per cent; 26 times 20 per cent; 52 times, 30 per cent.

Space on front pages and back cover page sold only on yearly contract at $1 00 per inch, net.

The AMERICAN FLORIST Advertising Department is for florists seedsmen and nurserymen and dealers in wares pertaining to those lines only.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Monday to secure insertion in the issue of the same week. Address

AMERICAN FLORIST CO., Chicago.

When sending us change of address always send the old address at the same time.

We do not assume any responsibility for the opinions of correspondents.

THIS ISSUE 48 PAGES WITH COVER.

CONTENTS.

The retail trade....303
—Recent improvements in retailers' methods....303
—The street flower merchant....304
—A New York dinner decoration..304
—The birthday bouquet....305
—An elaborate cluster (illus.)....305
Canadian Horticultural Association.305
—W. J. Lawrence (portrait)....307
The carnation—Seasonable notes...307
—Commercial carnations....308
The crimson fountain grass (illus.).309
The rose—Summer roses....309
Palms and ferns—Seasonable notes.310
With the growers....311
—John Lewis Childs, Floral park, N. Y. (illus.)....311
Toronto (illus.)....312
St. Louis (illus.)....312
The American Rose Society....314
Society of American Florists....314
Deformed gladiolus spikes....314
Vegetables for house with ground glass....314
To heat a range with steam....314
Slack coal as fuel....316
Toads will exterminate ants....316
Des Moines, Ia....316
Chicago....318
W. A. Peterson returned from abroad....318
Salt Lake City....318
Philadelphia....320
Boston....320
New York....322
Buffalo....322
Washington....322
Pittsburg....322
The seed trade....326
—Parcels post for Denmark and America....326
—California seed growing....326
—Farm and garden seeds in Manchuria....326
—Kentucky blue grass seed....326
—What is the function of an invoice....326
The nursery trade....328
—Plans for Cincinnati park system.328
—Government appraisals on imports....328
Kansas City....334
Montreal....334
Louisville....336
Special illustrations—
—Store of the Geo. Wittbold Co., Chicago....304
—W. K. Harris' Japanese Easter azalea....307
—Outdoor exhibition of Nathan Smith & Sons, Adrian, Mich., at Dayton....310
—W. W. Cole's new King Construction house, at Kokomo, Ind..310
—New York delegates at Dayton..313

HALLOCK'S CHESTNUT.—Æsculus.

MAKE all heavy shipments of tender plants before September frosts.

PROTECT outdoor flowering stock from the early frosts. After the first few cool nights there is often a prolonged period of fine weather.

WE are advised that every wife, daughter and sister of the members of the S. A. F., also lady members, will soon receive a letter, asking co-operation to form an auxiliary for social and instructive advantages from a lady member of the society.

The American Rose Society.

A $10 special prize is offered by an amateur for an exhibit at the next exhibition of the best foliage rose for garden planting in village dooryards.

The society is receiving additional life members, the latest to send in his check being S. S. Pennock, Philadelphia, Pa.

"A rose for every home, a bush for every garden."

BENJ. HAMMOND, Secretary.

Society of American Florists.

A LETTER OF THANKS.

The secretary of the Society of American Florists has received the following from John E. Freudenberger, landscape gardener to the N. C. R. Co., Dayton, O.:

The handsome ring the S. A. F. presented me was certainly the most unexpected as well as highly appreciated token of gratitude that was ever given to me. I certainly give my most hearty thanks to one and all and cannot find words to express my feeling on being the recipient of such an elegant present. I am positive that I shall always keep a warm corner in my heart for the S. A. F., and as long as I live this ring will remind me of an everlasting debt I owe to your society.

In case I ever can be of any assistance to you in the future, rely on me, for I will always be willing to help the S. A. F.

Thanking you all again and hoping to see you at the next convention, I am, yours sincerely,

JOHN E. FREUDENBERGER.

Deformed Gladiolus Spikes.

ED. AMERICAN FLORIST:—

We have quite a nice bed of gladioli which look very healthy, but most of the spikes are bent or turned in odd shapes. Can you tell me the cause of this and remedy? A. H.

In regard to the crooked gladiolus spikes, I know of no remedy or preventive. It is a characteristic of some varieties and is such a serious defect that no variety possessing it should ever be named. When conditions are favorable for a rank growth it may be that more of the spikes are crooked, but I am not sure of this.

M. CRAWFORD.

Vegetables for House with Ground Glass.

ED. AMERICAN FLORIST:—

I have a square house about 40 x 40 with curvilinear roof about 15 feet high at the center. There are in the house side benches under which runs hot water piping sufficient to keep up a temperature of 50° in the coldest weather. The sides are of clear glass and the roof is glazed with ground glass; side and top ventilation. What kind of vegetables can I grow in the winter months in such a house without taking out the ground glass and replacing it with clear glass.

X. X.

In a general way a house such as described could be used to advantage in the winter for such crops as Grand Rapids and similar varieties of lettuce, parsley and other crops of a leafy nature, much better than for root crops such as radishes and beets, or for tomatoes and cucumbers, where the fruits must be developed. During the spring months, however, almost any crop could be grown.

L. R. T.

To Heat a Range With Steam.

ED. AMERICAN FLORIST:—

I have six greenhouses, each 20 x 50 feet, five connected and one standing by itself. How many runs of 1-inch pipe will it take to heat each house by steam, temperature to be 55° in zero weather? I want to run a 2-inch supply pipe for each house. Three of the houses are piped with 2-inch pipes for hot water, having 10 runs in each house. Can I use them for steam or would there be too many runs of pipe for steam heat?

J. W. S.

Ten 1-inch pipes will answer for all except those with one or more exposed walls, in which another run should be used. If the supply pipe passes through the house this would take the place of two 1-inch pipes. If steam is used in 2-inch pipes only six will be needed. With a large boiler there will be no great objection to using this size of pipe for steam heating.

L. R. T.

Heating Two Small Houses.

ED. AMERICAN FLORIST:—

I have two small greenhouses, side by side, 10 x 53 feet with a ridge 7 feet high. The sides are made of double boards with paper between. I wish to place a hot water heater at the west end of the house and heat by means of a box coil walled up with brick to make the furnace. What size of pipe should I use to make the coils and how many runs of pipe and what size should I use in the houses?

J. N. H.

While it would be possible to make a coil boiler for heating the greenhouse it will be nearly as cheap and more satisfactory to put in a regular hot water boiler, selecting one with a rating of 500 to 600 feet according to the temperature desired. For the construction of the coil boiler it will require 18 1½-inch pipes 4 feet long and a grate 1½ x 2 feet. To heat each of the houses to 60° eight 1½-inch pipes will be needed. Six would answer for 50°.

L. R. T.

Coming Exhibitions.

(Secretaries are requested to supply any omission from this list.)

BOSTON, MASS., November 2-4, 1906.—Chrysanthemum exhibition Massachusetts Horticultural Society. Address Wm. P. Rich, Horticultural hall, 300 Massachusetts avenue, Boston, Mass.

CHICAGO, November 6-12, 1906.—Annual exhibition Horticultural Society of Chicago. Address Willis N. Rudd, Blue Island, Ill.

MADISON, N. J., November 1-2, 1906.—Eleventh annual flower show Morris County Gardeners' and Florists' Society. Address E. Reagan, Box 315, Morristown, N. J.

NEW HAVEN, CONN., November 6-8, 1906.—Annual exhibition New Haven County Horticultural Society. Address Thos. Pettit, 90 Prospect street, New Haven, Conn.

PROVIDENCE, R. I., November 9-10, 1906.—Chrysanthemum and carnation exhibition Rhode Island Horticultural Society. Address C. W. Smith, 27-29 Exchange street, Providence, R. I.

RED BANK, N. J., October 31-November 1, 1906.—Ninth annual exhibition Monmouth County Horticultural Society. Address H. A. Kettel, Red Bank, N. J.

SANTA BARBARA, CAL., October 17-18, 1906.—Chrysanthemum exhibit Santa Barbara County Horticultural Society. Address Thos. Poole, Santa Barbara, Cal.

TARRYTOWN, N. Y., October 30-November 1, 1906.—Eighth annual exhibition Tarrytown Horticultural Society. Address E. W. Neubrand, Tarrytown, N. Y.

WORCESTER, MASS., November 8, 1906.—Chrysanthemum exhibition Worcester County Horticultural Society. Address Adin A. Hixon, Horticultural hall, 18 Front street, Worcester, Mass.

Meetings Next Week.

Baltimore, Md.—Gardeners' Club of Baltimore, Royal Arcanum building, 18 W. Saratoga street, September 10, at 8 p. m.

Buffalo, N. Y.—Buffalo Florists' Club, 383 Ellicott street, September 11, at 8 p. m.

Butte, Mont.—Montana Florists' Club, Columbia Gardens, September 14.

Chicago.—Gardeners' and Florists' Union No. 10615, 10-12 Clark street, September 12.

Chicago.—Chicago Florists' Club, Handel hall, 40 Randolph street, September 13, at 8 p. m.

Cleveland, O.—Cleveland Florists' Club, Progress hall, 244 Detroit street, September 10, at 7:30 p. m.

Davenport, Ia.—Tri-City Florists' Club, September 13.

Dayton, O.—Dayton Florists' Club, 112 South Main street, September 10.

Denver, Col.—Denver Floral Club, 323 Charles block, September 14, at 8 p. m.

Hartford, Conn.—Hartford Florists' Club, September 14, at 8 p. m.

Madison, N. J.—Morris County Gardeners' and Florists' Society, Masonic Hall, September 12, at 7:30 p. m.

New Bedford, Mass.—New Bedford Florists' Club, September 13.

New London, Conn.—New London County Horticultural Society, Elks' Hall, September 12.

New Orleans, La.—Gardeners' Mutual Protective Association, September 9, at 2 p. m.

New York.—New York Florists' Club, Grand Opera House building, 8th avenue and 23rd street, September 10, at 7:30 p. m.

New York—Horticultural Society of New York, American Institute rooms, September 12, at 8 p. m.

Omaha, Neb.—Nebraska Florists' Society, City hall, September 13, at 8 p. m.

St. Louis, Mo.—St. Louis Florists' Club, Grand and Shenandoah streets, September 13, at 2 p. m.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

Cash with Adv.

Plant Advs. NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1906 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

Situation Wanted—By first-class orchid grower and gardener, fully up-to-date; best of references. Address Key 755, care American Florist.

Situation Wanted—Orchid grower and gardener, first-class, experienced; best of references. Address Key 773, care American Florist.

Situation Wanted—If Mr. Thos. McKenzie will communicate with the American Florist this week, we will be glad to hear from him. Address Key 768, care American Florist.

Situation Wanted—By a young man 21 years of age; 2 years' experience in the florists' business, wants position where roses, carnations and bedding plants are grown and where he can learn to make up designs; first class habits. Please give full particulars in first letter. Address EMIL SIMONS, Fairport, N. Y.

Situation Wanted—By first-class grower of roses, carnations, palms, ferns and everything in the line; good recommendations; 18 years' experience in six different countries; 28 years old. Address R. RIVI, 427 4th Street, So., Minneapolis, Minn.

Situation Wanted—By first-class florist and landscape gardener capable of managing a gentleman's estate, public institution or large commercial place; 23 years' experience, Europe and this country; A1 references; good salary expected. Key 774, care American Florist.

Help Wanted—A good rose grower; $15 per week. Address Key 769, care American Florist.

Help Wanted—Young man from 16 to 20 years of age, to learn the florist business. Apply to JOHN L. WYLAND, De Haven, Pa.

Help Wanted—A first-class carnation grower. Wages $45.00 to $50.00 per month; send references. HASKELL AV FLORAL CO., Dallas, Texas.

Help Wanted—One good nurseryman and good propagator wanted at our nurseries; good wages to right man. VAUGHAN'S SEED STORE, Chicago.

Help Wanted—At once; capable man to take charge of 20,000 feet of glass in carnations; $50.00 per month to start. J. W. DUNFORD, Clayton, Mo.

Help Wanted—A good grower to take charge, one to grow carnations roses, 'mums violets etc., for the retail trade. Address, stating wages. Key 767, care American Florist.

Help Wanted—A first-class designer and decorator, one who understands handling first-class trade. State wages and how soon can come in first letter. HONAKER, the Florist, Lexington, Ky.

Help Wanted—At once, good grower of cut flowers and plants; single man preferred; must be well recommended. State salary expected, with room and board. JOHN DIECKMANN & CO., Wheeling, W. Va.

Help Wanted—2 good greenhouse men who can grow roses, carnations, 'mums and general stock; state experience and wages wanted. Permanent position. Aderess C. L. SHANKS, Newton, Kans.

Help Wanted—Man to grow lettuce, with some experience in flowers; must be sober and industrious; a permanent job. State experience and wages in first letter. ERNSBERGER BROS., Decatur, Ind.

Help Wanted—Foreman for wholesale place, 20,000 feet glass; must be A No. 1 grower of roses and carnations. Steady position and good wages. Apply with references at VAUGHAN'S SEED STORE, Chicago, between the 10th and 15th inst.

For Sale—Nine greenhouses, dwelling house and barn, 3½ acres of ground. For particulars address P. O. Box 109, Newtown, Bucks Co., Pa.

For Sale or Rent—Store and five small greenhouses with or without dwelling, on street car line; only florist in town; cause sickness. 548 119th St., West Pullman, Chicago.

For Sale—Glass 10x12, double strength A. Great bargain for the lot. Address BRANT & NOE FLORAL CO., W. Peterson and N. 48th Aves., Chicago, Ill.

For Sale—5,000 feet of 3½ and 4-inch boiler flues with couplings, 16 to 18 feet long, at 8c and 9c per foot; ells and tees half price; also two special made water jacket boilers, each able to heat 4,000 to 5,000 feet of glass; cheap if sold at once; can ship by rail or water. Address GEO. VATTER, Marinette, Wis.

FOR SALE.

At a sacrifice, greenhouse well stocked and long established business of the late J. P. Coen, Lexington, Mo., one of the best paying little businesses in the country and in perfect condition; no competition within 30 miles. The place consists of 3 greenhouses 85x20, 1 lean-to and cold frames, 1½ acres of ground, an excellent 7-room house, with all modern conveniences, steam heat, electric light, etc., out-houses, good barn, laundry, chicken houses etc. The entire place is lighted with electric light, heated with self-regulator steam boiler, and city water throughout the grounds and houses. Good wholesale trade as well as retail. Lexington is noted for its colleges and schools; one boys' military academy, two girls' colleges and a number of minor schools, all of which keeps the cut flower business very brisk during the school season. The place can be bought for $6,500, which amount wouldn't pay for the improvements; $2,000 cash, balance to suit. For further information address ARTHUR NEWELL, 12th & Baltimore Aves., Kansas City, Mo.

For Sale—Worthington duplex steam pump, capacity 30-40 gal. per minute in good condition, $45.00; No. 1 receiver and fittings for pump, good as new, $50.00. Dean pump for hand or steam, almost new, $20.00; 6-inch pressure regulator used two seasons, $50.00; 2½-inch pressure regulator, $18.00. Carnation supports $15.00 per 1000; $125.00 for 10,000. JAMES W. DUNFORD, Clayton, Mo.

For Sale—Books: Practical Floriculture, Gardening for Profit, (Henderson); Practical Forestry, Grape Culturist, Small Fruit Culturist, (Andrew Fuller); How To Grow Cut Flowers, (Hunt); 90 cents the copy; $5.00 the lot. Valuable to a beginner. All books in good condition. Address H. BENTLAGE, P. O. Box 361, Springfield, Ohio.

FOR SALE.

4,500 Carnation Supports

Galvanized wire, 24 inches high, two 8-inch rings, used two years, at $10.00 per 1000. Free sample by mail.

JOHN C. HOWARD. R. F. D. No. 2, Sta. D MILWAUKEE, WIS

BOILERS.

One 80 H. P., one 40 H. P., return tubular; one 32 H. P. upright tubular, for sale at buyer's price. Must be moved at once. Address

1416 Washington Ave., PHILADELPHIA.

GLASS.

We have for sale a lot of 16x18 glass A. & B. D. S., at a low price.

A. DIETSCH CO.,
617 Sheffield Ave., CHICAGO.

GLASS FOR SALE.

We have for sale a quantity of A. and B. double thick, Pennsylvania hand made, tank glass, all of which runs exceptionally uniform in quality and thickness. Terms cash. Inquiries solicited.

King Construction Co.
NORTH TONAWANDA, N. Y.

Auction Sale!

50,000 Feet of Greenhouses,

The entire plant of **Philip Caswell, Newport, R. I.,** near One Mile Corner; including all glass, frames, sheds, lifting apparatus, one 12 section Scollay boiler, five years old; one round, No. 5 Scollay boiler, five years old; four No. 5 Weatherhead boilers, expansion tanks; 7,000 feet 4-inch iron pipe, 1,500 feet 4 inch boiler tube, 500 feet rubber hose, lot of odd pieces of pipe, valves and couplings; lot of tools, 200 lbs. No. 16 galvanized wire, 15,000 flower pots, 2, 3, 4 and 6-inch; lot of floral wire designs and letters; also farm tools, poultry, brooders, etc.

Newport and Fall River electrics, and Newport and Providence electrics run by the place.

Sale at 10 o'clock A. M.,

Thursday Sept. 20 1906 RAIN or SHINE.

It is good business policy to mention
The ... AMERICAN FLORIST
When you write to an advertiser

Slack Coal as Fuel.

The article that was published in THE AMERICAN FLORIST, of August 18, page 130, regarding the use of cheap coal or slack, as it is most generally termed, gives some splendid ideas, so far as it goes, but one thing that is very important is omitted. Nothing is said about the benefit of wetting the slack. After continuous use of slack for over a dozen years I found from practical experience that it burned better, heated more, and what was best of all, lasted longer, besides being easier to handle. The kind of slack I refer to is that of bituminous or soft coal and the productions of Ohio, Pennsylvania, West Virginia, Kentucky and since coming to the coast that from the mines of Washington.

I found trouble with all kinds and grades of it whenever I tried to use it dust dry. The loss through the grates was greater and always required attention more frequently. The plan of heaping up in the center and giving draft at the edges always proved best and the use of other looser fuel, wood, cobs and other materials, proved helpful in some cases when a low-grade coal of fine particles was used, but were not of any special benefit when a good quality was used. When a good coking grade of coal is to be had it will not be so necessary to use wood, cobs or other loosening material. After having burned many carloads of slack as well as lump coal I am of the opinion that lump coal is not worth more than a dollar or a dollar and a half more than the slack per ton. As regards the extra work to keep up the fire I did not find any large percentage in favor of lump coal, but that probably was owing to arrangements or the boiler in which it was to burn. Getting rid of the soot is the worst feature of the slow burning of slack, but in fact that is always the trouble with all soft or bituminous coals.

Strong draft and firing often keeps the soot accumulating down to the minimum, even if slack is used that is quite wet. Of all the slack coal I have burned only once did I find a grade too poor to burn profitably, and that once was enough. Some troubles we can never forget and that time when an extremely cold spell came along and coal in the central east was practically out of the market I had to stay up nights with my troubles, slack troubles though they were.

S. L. HARPER.

Toads Will Exterminate Ants.

Toads are most useful reptiles, and devour thousands of small insects that would otherwise eat up the vegetation. Gardeners well know this when they turn them into the hothouses. Mr. Frank Buckland gives the following testimony from a gardener: "In the autumn of last year a pit wherein I grew melons was so much infested with ants as to threaten the destruction of the whole chop, which they did first by perforating the skin, and afterwards eating their way out of the fruit; and after making several unsuccessful experiments to destroy them, it seemed to me that I had seen the toad feed on them. I accordingly put half a dozen toads into the pit, and in the course of a few days hardly a single ant was to be seen." —Journal of Horticulture.

Des Moines, Ia.

MARKET STEADY.

Market conditions remain practically unchanged. Roses are improving some. Carnations are still very scarce. Good asters and gladioli are still in the market and are used for funeral work. The thermometer has dropped several degrees the past week, much to the relief of the trade.

NOTES.

Mrs. I. W. Lozier, widow of the late I. W. Lozier, was married a short time ago to Rev. Joshua Jester, an east side Methodist minister.

Miss Alice Kinney has again resumed her position with the Alpha Floral Co. after several weeks spent camping out near Des Moines.

L. P. Springer and wife of Indianola were among our visitors last week, taking in the Iowa state fair.

Gus Pappos, of the Alpha Floral Co., has returned from a two weeks' vacation spent at the lakes.

Visitors: J. F. Wilcox and two sons, Council Bluffs, Ia.; John T. Temple, Davenport, Ia.; G. A. Heyne, Dubuque, Ia.; Chas. Sherwood, Waterloo, Ia.; Henry Fields, Shenandoah, Ia.

THE IOWA STATE FAIR.

The space of 8,000 square feet, one-third of which was devoted to cut flowers, and two-thirds to plants, was taxed to the utmost capacity by the exhibitors, the exhibits of the amateurs being especially noticeable. Superintendent Wesley Greene says he hopes next year to have a new building, large enough to have the exhibits twice as large. J. T. Temple, of Davenport, Ia., and Geo. T. Heyne, of Dubuque, Ia., were the judges and awarded the following premiums:

Best collection of plants in bloom, not less than 50 varieties.—Lozier, first; Vaughan's Seed Store, second; Iowa Floral Co., third.

Best collection of foliage or decorative plants, not less than 20 varieties excluding palms and ferns.—Vaughan's Seed Store, first; Iowa Floral Co., second; Lozier, third.

Best collection of palms.—Iowa Floral Co., first; Vaughan's Seed Store, second; Lozier, third.

Best collection of ferns. — Lozier, first; Vaughan's Seed Store, second; Iowa Floral Co., third.

Best collection of coleus. — Iowa Floral Co., first; Lozier, second.

Best collection of geraniums.—Lozier, first; Iowa Floral Co., second.

Best collection of flowering begonias.—Lozier, first; Iowa Floral Co., second.

Best collection of rex begonias.—Lozier, first; Iowa Floral Co., second.

Best collection of cannas.—Iowa Floral Co., first; Lozier, second.

Best specimen palm. — Vaughan's Seed Store, first; Iowa Floral Co., second.

Best specimen cycad.—Lozier, first; Lozier, second.

Best specimen fern.—Vaughan's Seed Store, first; Iowa Floral Co., second.

Best specimen araucaria.—Vaughan's Seed Store, first; Lozier, second.

Best specimen new or rare plant.—Vaughan's Seed Store, first; Iowa Floral Co., second.

Best vase of plants.—Vaughan's Seed Store, first; Iowa Floral Co., second.

Best basket of plants. — Vaughan's Seed Store, first; Iowa Floral Co., second.

Best table decorations (centerpiece).—Vaughan's Seed Store, first; Iowa Floral Co., second; Lozier third.

Best bride's boquet.—Iowa Floral Co., first; Lozier, second; Vaughan's Seed Store, third.

Best basket of flowers.—Lozier, first; Vaughan's Seed Store, second; Iowa Floral Co., third.

Best display of cut flowers.—Vaughan's Seed Store, first; Iowa Floral Co., second; Lozier, third.

Best display of roses. — Vaughan's Seed Store, first; Iowa Floral Co., second; Lozier, third.

Best display of carnations. — Iowa Floral Co., first; Lozier, second; Chas. Gay, third.

Best display of gladioli.—Vaughan's Seed Store, first; Iowa Floral Co., second; Lozier, third.

Best display of asters.—Vaughan's Seed Store, first; Lozier, second; Iowa Floral Co., third.

Best display of dahlias.—Lozier, first; Iowa Floral Co., second.

One of the competitors was late entering his floral design, so the judges compromised matters satisfactorily to all, the Iowa Floral Co., taking first honors.

M.

Wholesale Flower Markets

MILWAUKEE, Sept 5

Roses, Beauty...per doz.	.75@ 3.00
" Liberty	2.00@ 6.00
" Chatenay	2.00@ 6.00
" Bride, Bridesmaid	2.00@ 6.00
" Meteor, Golden Gate	3.00@ 6.00
" Perle	2.00@ 4.00
Carnations	1.00@ 2.00
Smilax	12.50@15.00
Asparagus, sprays	3.00
" Sprengeri	3.00
Lily of the valley	3.00@ 4.00
Adiantum	1.00
Multiflorum	10.00@12.50
Lilium rubrum, sh rt	2.00@ 3.00
Asters	5.00@ 7.00
Gladioli	2.00@ 4.00

ST. LOUIS, Sept 5.

Roses, Beauty, long stem	2.00@ 3.00
" " medium stem	1.00@ 1.50
" " short stem	.35@ .75
" Bride, Bridesmaid	2.00@ 4.00
" Maman Cochet	1.00@ 8.00
" Pres. Carnot	2.00@ 6.00
" Kaiserin	2.00@ 6.00
Carnations, common	.75
" good	1.50
Smilax	12.50
Asparagus Sprengeri	1.00@ 2.00
" Plumosus	25.00@40.00
Fancy ferns $1.50 per 1000	
Gladiolus	1.50@ 2.00
Asters	.50@ 3.00
Tuberoses single	2.00@ 3.00
" double	3.00@ 4.00
Hydrangeas	2.00@ 3.00
Lily of the valley	3.00@ 4.00

PITTSBURG, Sept. 5.

Roses, Beauty, specials	20.00@25.00
" " extras	12.00@15.00
" " No. 1	8.00@10.00
" " ordinary	4.00@ 5.00
" Bride, Bridesmaid	2.00@ 6.00
" Chatenay	4.00@ 6.00
" Richmond	4.00@ 8.00
" Kaiserin	3.00@12.00
Carnations	.75@ 1.00
Lily of the valley	2.00@ 4.00
Smilax	12.50@15.00
Asparagus, strings	30.00@50.00
" Sprengeri	2.00@ 4.00
Lilies	15.00@18.00
Asters	.50@ 2.00
Adiantum	1.25@ 1.50
Daisies	.50
Gladiolus	2.00@ 4.00
Gaillardia	.75

CINCINNATI, Sept. 5.

Roses, Beauty, per doz.	1.00@ 4.00
" Bride, Bridesmaid	3.00@ 6.00
" Liberty	4.00@ 8.00
" Meteor, Golden Gate	3.00@ 6.00
Carnations	1.00@ 3.00
Lily of the valley	3.00@ 4.00
Asparagus	50.00
Smilax	12.50
Adiantum	1.00
Asparagus plumosus and Sprengeri in bunches	per bunch 25c
Ferns	1.50 per 1000
Longiflorum lilies	6.00@15.00
Asters	1.00@ 2.00
Gladiolus	2.00@ 3.00

CLEVELAND, Sept. 5.

Roses, Beauty, per doz.	1.50@ 3.00
" Bride, Bridesmaid, Meteor	3.00@ 7.00
" Kaiserin	4.00@ 8.00
Carnations	1.50@ 2.00
Smilax	15.00
Asparagus, strings	25.00@50.00
" Sprengeri	1.00@ 2.00
Common ferns	$1.50 per 1000
Asters	.5 @ 1.50
Gladiolus	1.00@ 2.00

Ferns

from bench, Boston, 3-inch, 5c; 6-7-inch, 15c. Boston and Piersoni, 4-inch, 10c.; 5-inch, 12½c. Tarrytown, 3-inch, 10c.; 4-inch, 15c; 5-inch, 25c. Scottii, 3-inch, 8c; 4-inch, 12½c; 5-inch, 15c.

PRIMROSES.

Chinese, mixed, 2-inch, 2c.; **Obconica,** Grand Fimbriata, Alba, Rosea, Hybrida, $2 00 per 100.
Jerusalem Cherries, field-grown, for 4-in., 3c.
FLOWERING BEGONIAS, 8 kinds, 2-inch, 2½c.
REX BEGONIAS, 3-inch, 6c.

ASPARAGUS PLUMOSUS NANUS and **SPRENGERI.**

Cash or C. O. D.

BYER BROTHERS,
CHAMBERSBURG, PA.

SMILAX

2-in., strong, $1.50 per 100; $12 50 per 1000.

'MUMS.—The very best named vars., 2-in., $2.00 per 100; $18.00 per 1000.

ROSES, Brides.—Very strong, 3-in., equal to 4s, $4.00 per 100; $35.00 per 1000.

GERANIUMS—Best named vars., 2½-in., $2.00 per 100; $18.00 per 1000.

C. HUMFELD, Clay Center, Kan.

SUPPLIES FOR

WESTERN FLORISTS.

We carry a full assortment and can save you time and money.

Ask For Price List.

The Barteldes Seed Co.
DENVER, COL.

Please mention the American Florist when writing

PANSIES.

Brown's Extra Select Superb Giant Prize Pansies.

Awarded silver medal St. Louis Exposition, 1904.

Plants, mixed colors, in any quantity, $3.00 per 1000. Cash with order.

PETER BROWN,
LANCASTER, PA.

Southern Smilax

Now Ready in limited quantities for immediate use.

Everything **worth while** in Southern Evergreens.

EDWARD A. BEAVEN,
Evergreen, Ala.

RICE BROTHERS

WHOLESALE **113 N. 6th St.,**

SHIPPERS of home grown Cut Flowers, comprising the newest varieties of blooms. Full line of supplies and decorative greens. Trial order solicited. Weekly price list issued.

MINNEAPOLIS, MINN.

Always mention the American Florist when you order stock.

NEW CROP SOUTHERN WILD

The Man Who Gave You The Wild Smilax.

SMILAX

Is Now Ready for Shipment.

Twenty-four (24) hours notice necessary on telegraphic orders.

Caldwell The Woodsman Co.
EVERGREEN, ALABAMA.

New Crop Dagger and Fancy Ferns

$1.00 per 1000.

FOR EVERY OCCASION.

HARDY CUT DAGGER and **FANCY FERNS,** per 1000..1.00
Discount on large orders.
BRILLIANT BRONZE and **GREEN GALAX,** per 1000.. 1.00
10,000 lots $7.50.
BOUQUET GREEN, per hundred yards..... 7.00
LAUREL FESTOONING, good and full, 5c to 6c per yard
LAUREL WREATHS, per dozen..... 3.00

BRANCH LAUREL, per bunch.....$ .50
BOXWOOD, per pound..... .20
LEUCOTHOE SPRAYS, per hundred..... 1 00
GREEN and **SPHAGNUM MOSS,** per barrel 1.00
LYRATA, which makes a fine substitute for decorations for June.

Also headquarters for all Florists' Supplies, such as **Milkweeds, Wire Designs, Cut Wire,** all kinds of **Letters, Immortelles, Cycas Leaves,** sheaves of **Wheat, Ribbons, Corrugated Boxes** of all kinds, etc.

HENRY M. ROBINSON & CO., L. D. Phone 7618 Main. **8 to 11 Province St., Boston, Mass.**

Please mention the American Florist when writing.

Extra Fine New Crop **FANCY FERNS** **$1.00 per 1000**
Discount on large orders.

GALAX.....per 1000, $1.25

Send for our weekly price list on Cut Flowers. Let us have your standing order for Ferns: will make price right all through the season.

MICHIGAN CUT FLOWER EXCHANGE
WM. DILGER, Mgr. 38 and 40 Broadway, formerly Miami Ave., DETROIT, MICH.

Nephrolepis Scottii.

Small plants from the benches, $5.00 per 100; $50.00 per 1000. Plants large enough for 6-inch pots, $25.00 per 100. Plants large enough to go in 7 and 8-inch pots, $50.00 per 100.

Asparagus Plumosus Nanus, 2¼-inch, fine plants, $3.00 per 100.

JOHN SCOTT,
Rutland Road and East 45th Street, BROOKLYN, N Y.
Telephone 2890 Bedford.

GOV. HERRICK THE COMING VIOLET

One that produces three times as many flowers as any violet ever offered for sale. It will please you. Order at once. Prices: $2.00 per doz.; $10.00 per 100; $75.00 per 1000; 5,000 or more at $60.00 per 1000. Send for description today.

H. R. CARLTON, Willoughby, O.
INTRODUCER and ORIGINATOR.

Lilium Harrisii

FOR XMAS FORCING.

Well ripened and carefully graded bulbs.

5 to 7 Inches,

per 100.....$4.50; per 1000.....$40.00

VAUGHAN'S SEED STORE,
84-86 Randolph St., CHICAGO. 14 Barclay St., NEW YORK.

Le Journal des Roses.

Organ of the French Rosarians.

Published at Paris. Once a month with colored plates.

Subscription $2.70 per Year. Sample Copies Free.

ADMINISTRATION DU SUISNES **JOURNAL DES ROSES**
a SUISNES, Brie
a Grisy-Suisnes. (Seine et M FRANCE.

Please mention the American Florist when writing.

Chicago.

MARKET FIRM.

With the return of society, comes prosperity for the wholesale man. Trade conditions brightened visibly under the influence of September and continued good weather. Stock arrives in good shape and brings normal prices. There is any quantity of first-class roses and carnations to be seen at all houses as many of them are now cutting heavily of both old and young plants. There is neither an influx nor scarcity of any kind of stock. American Beauty is quite plentiful. It is arriving in splendid condition and moving at normal rates; Bride, Liberty and Chatenay can be had in any quantities desired, most of the material being first-class in all respects. Bridesmaid is a trifle short in supply. Carnations are also quite plentiful, although the stock, as a whole, does not compare favorably in quality with the roses. However, there is enough good material to meet all demands. Gladioli are abundant and move well. Good late asters are rapidly taking the place of the poorer stock of the past few weeks. Altogether there is a general feeling of satisfaction at the present state of affairs and a gradual increase of business is expected.

NOTES.

Mr. Rice of the Terre Haute Rose & Carnation Co., of Terre Haute, Ind., spent several days in the city last week. Mr. Rice now controls about 25,000 feet of glass and is making preparations to enlarge upon this. He has recently installed a self-cooling refrigerator which maintains any temperature desired without the aid of ice and finds it a profitable investment.

C. W. McKellar is again receiving consignments of fine orchids. He says the work of introducing these flowers into general use has been a severe tax on patience and energy, but that the quantity now used is considerably in excess of former years, with excellent promises for this season.

The Bentley-Coatsworth Co. will quadruple its supply of Richmond roses this season. The firm has a large quantity of young grafted stock, which looks exceptionally fine. The installation of a new boiler was one of the features of some minor improvements made last week.

The birthday bouquet, according to prominent retailers, is steadily gaining favor with the public. Mangel's flower store on Monroe street, is displaying a large advertising placard which is doing much to promote this novelty.

Scheiden & Shoos are now established in John Cook's old stand in the Flower Growers' Market. The firm is doing a commission business in addition to handling stock grown in the firm's greenhouses.

John Simpson, 1585 Ogden avenue, reports a good business since purchasing the greenhouses formerly owned by C. S. Stewart. He is now adding another house to his establishment.

There has been some comment recently about the number of nelumbians seen in the windows of retail stores. These are said to be grown quite extensively in the vicinity of this city.

Wietor Bros. are figuring prominently in the rose situation this week. The firm is cutting a large and exceptionally fine crop of American Beauty and other varieties.

U. J. Virgin and wife, New Orleans, La., who attended the Dayton convention and remained here with friends a few days, returned August 31.

The J. B. Deamud Co. is headquarters for sheet moss this week. The firm is receiving some large consignments of chemically dried stock which sells readily.

L. H. Winterson and wife returned to the city September 4. The couple made an extensive trip through the east, after attending the Dayton convention.

D. J. Murphy, who has been with Heim Bros., Blue Island, for some time, is no longer in that firm's employ.

S. S. Skidelsky, according to rumor, has purchased or leased a greenhouse property in this vicinity.

The date of the next Florists' Club meeting is September 13.

Visitors: John J. Stuppy, St. Joseph, Mo.; Master Henry Hess, Omaha, Neb.; H. B. Sullivan, Rockford, Ill.

W. A. Peterson Returned from Abroad.

Wm. A. Peterson returned from an extensive tour of Europe, August 22. During the several months of his trip, Mr. Peterson visited many nurseries in Holland, France, England and Italy, where he purchased stock and collected many ideas on the general nursery, peony and landscape business. He was much impressed by the Dutch nurseries which he says number no less than 160 in the neighborhood of Boskoop alone. All of these places are well kept and handle only small trees and shrubs, it being possible for a man of medium height to look over the nursery from end to end. This he ascribes mostly to climate and soil which are not adapted to the raising of large stock. Water lies but a few feet beneath the surface of the land and ditches are used to transport the products from point to point. Mr. Peterson was surprised to see about 50,000 Colorado blue spruce in this country.

From here he pushed on to Germany where he visited the famous Spath's Nursery. This, in his opinion, is the finest in the world. Mr. Peterson covered the 700 acres of neat, well cultivated land and beautiful sample park in an automobile.

Mr. Peterson was much surprised at the modern trend of German landscape gardening. He says the idea seems to be to crowd as much foliage into a given space as possible. Instead of setting trees and bushes, artistically spaced, about a lawn or estate, the Germans crowd them promiscuously together. Shrubs are planted beneath large trees, thus creating an impression of dense, green foliage. Azaleas and rhododendrons are used almost exclusively in garden plots.

While in England, Mr. Peterson visited the Temple show. He says the crowd present was surprising in view of the exorbitant prices charged for admission. There were many fine displays of annuals transplanted from seeds. One of the features of this show was 1,000 Japanese maples which attracted universal comment. In France he attended the Fete Des Fleures. Apparently this ceremony consisted in riding up and down the streets in a carriage and throwing peonies at each other, somewhat on the order of the New Orleans mardi gras.

Altogether, Mr. Peterson had a very enjoyable and prosperous trip. He has absorbed many little tips and hints which will be of inestimable benefit to his business and feels well repaid for his trip.

Salt Lake City.

PROSPECTS BRIGHTER.

Business is beginning to brighten up a little in this locality. People are beginning to return from the mountains where they have been for the summer. As the summer resorts close the season's business is expected to take an upward shoot shortly. Carnations are in demand. Some of the new crop are coming in from several of the growers, the flowers are fine but of short stem. The cloudbursts that we had recently damaged the sweet peas somewhat, but they are recovering again. Asters are at their best just at present. Gladioli, antirrhinum and golden glow constitute the balance of the flowers on the market just at present.

D. E. and L. M. Law left for Senecaville, O., on the evening of August 25, in response to a telegram stating that their father was very ill. He passed away within the next 24 hours. All their brother florists and the entire community extend their sincere sympathy to the sons in their affliction.

Jack Kraus has resigned his position with the Salt Lake Floral Co. and is now employed at B. C. Morris' greenhouses. Jack is a fine grower and a general all-around good fellow.

Albert Alt of the Roserie is wearing one of those "smiles that won't come off." Wonder if "Al." is going to get married. Ask him and see.

The Sugar House Floral & Seed Co. has its new houses completed and planted with carnations, ready for winter business.

The E. A. Lambourne Floral Co. is remodeling its store and has also added a new horse and delivery wagon to its equipment.

Ralph Rieben is sending in some fine asters from his establishment on the hill.

UTAH.

STERLING, ILL. — Robt. Lundstrom, manager of the Sterling Floral Co., is having large additions built to the greenhouses of the company in the east end of the city.

ASHTABULA, O. — The Ashtabula Greenhouse Co. has commenced the rebuilding of its entire plant on Bunker Hill, and when complete the new buildings and equipment will represent an outlay of $4,000. Eighteen houses and a new engine house are going in with good foundation and metal framework. The capacity will be increased also and when complete the plant will represent 50,000 feet of glass.

Bassett & Washburn
76 & 78 Wabash Ave., CHICAGO,
Wholesale Dealers and Growers of **Cut Flowers**
GREENHOUSES: HINSDALE, ILL.

E. H. Hunt,

WHOLESALE

Cut Flowers

"THE OLD RELIABLE."

76 Wabash Ave., ...CHICAGO.

Please mention the American Florist when writing.

E. C. AMLING

THE LARGEST, BEST EQUIPPED, MOST CENTRALLY LOCATED WHOLESALE CUT FLOWER HOUSE IN CHICAGO.

32, 34, 36 RANDOLPH ST., CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Please mention the American Florist when writing

WEILAND-AND-RISCH

Wholesale Growers and Shippers of

CUT FLOWERS

59 Wabash Ave., CHICAGO.

'Phone Central 879.

Write for our wholesale price list.

WHOLESALE FLORISTS

Please mention the American Florist when writing.

Jensen & Dekema

CARNATION SPECIALISTS

674 W. Foster Ave., CHICAGO.

Please mention the American Florist when writing

SINNER BROS.

WHOLESALE CUT FLOWERS

60 Wabash Ave., Chicago.

Careful attention to all

SHIPPING ORDERS.

Please mention the American Florist when writing.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty.....

WHOLESALE GROWER of CUT FLOWERS

Chas. W. McKellar

51 Wabash Ave., CHICAGO.

ORCHIDS

A Specialty.

Fancy Stock in VIOLETS, VALLEY, ROSES, BEAUTIES, CARNATIONS and a full line of all Cut-Flowers, Greens, Wire-Work and FflorISTS' SUPPLIES.

Send for Complete Catalogue.

Wholesale Flower Markets

CHICAGO, Sept. 5.

Roses, Beauty, 30 to 36-in. stems		4.00
" " 20 to 24 "	2.50@	3.00
" " 15 to 18 "	1.50@	2.00
" " 12 "	.75@	1.00
" Liberty, Chatenay	3.00@	6.00
" Bride, Bridesmaid	3.00@	6.00
" Golden Gate	3.00@	6.00
" Killarney, Richmond	4.00@	10.00
Carnations	1.00@	1.50
" fancy		2.00
Lily of the valley	2.00@	4.00
Harrisii lilies.....per doz. $1.50		
Asparagus plumosus, per string 35 to 50c.		
" " .35@ 1.00 per bu.		
" Sprengeri	2.00@	4.00
Galax leaves.....per 1000, $1 25		.15
Adiantum	.75@	1.00
Fancy ferns....per 1000.....1.50		
Smilax.....per string, 10c @12½c		
Sweet peas		.50
Asters	1.50@	2.00
Auratum lilies .....doz., 1.50		

Poehlmann Bros. Co.

Wholesale Growers of and Dealers in Cut Flowers.

All telegraph and telephone orders given prompt attention.

Greenhouses: MORTON GROVE, ILL.

35-37 Randolph St., CHICAGO.

WIETOR BROS.,

Wholesale Growers of Cut Flowers

All telegraph and telephone orders given prompt attention.

51 Wabash Ave., CHICAGO.

J. B. DEAMUD CO.

Wholesale Cut Flowers,

51 and 53 Wabash Ave., CHICAGO.

Long Distance Phone Central 3155.

Consignments of Choice Flowers Solicited.

The Geo. Wittbold Co.

1657-1659 Buckingham Place, CHICAGO.

The only retail florist in Chicago who grows his own cut flowers.

FUNERAL WORK ORDERS, OUR SPECIALTY.

Be your own Commission Man

THE FLOWER GROWERS' MARKET

furnishes the facilities.

See PERCY JONES, Mgr.

60 Wabash Ave., CHICAGO.

Vaughan & Sperry,

Wholesale Florists,

58 and 60 Wabash Ave., CHICAGO.

WRITE FOR SPECIAL PRICES.

Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO.

Telephone, Central 3284.

Please mention the American Florist when writing.

PETER REINBERG

Grower and Wholesaler of Cut Flowers.

1,200,000 feet of glass.

Headquarters for American Beauty.

51 Wabash Ave., CHICAGO.

Always mention the American Florist when you order stock.

KENNICOTT BROS. COMPANY

40-42-44 Randolph St., CHICAGO.

Our reputation has always been that we fill orders when others fail. All stock in season at Lowest Market Rates.

THE BENTHEY-COATSWORTH CO.

35 RANDOLPH ST. WHOLESALE FLORISTS CHICAGO.

Philadelphia.

THE MARKET.

Business is very quiet among roses. American Beauty and Killarney sell best. White roses are also in demand, as is nearly always the case. Asters are plentiful, some coming from New York state. Dahlias are now to be had in quantity and of very good quality. The air is redolent with the odor of the Clematis paniculata, which is now in full flower, covering the porches and arbors of the suburban residences with its lovely blankets of blossoms. It makes up nicely in much of the work now going out. The long continued wet weather has been very hard on outdoor carnations and it is estimated that at least 25 per cent of the crop has rotted off in the fields.

FLORISTS' CLUB MEETING.

The September meeting of the Florist's Club was full of interest from the call to order until the motion to adjourn was made. Reports of the Dayton convention were given by the various members who attended. G. C. Watson read a paper on how it appeared to the seedsman which was full of good ideas. Wm. P. Craig spoke of new Nephrolepis Amerpohlii, which he said was far ahead of other similar types. He predicted a great future for this variety. W. H. Taplin said that it had been a great convention for business. He did not approve the admission of the general public. Leo Niessen suggested that a better method of casting the ballots should be devised, as he thought the present system could be much improved. He also spoke of the great system seen in the business conducted by the National Cash Register Co. The new white hydrangea was discussed and an effort made to determine its origin. Robt. Craig said it was a beautiful variety and one that could likely be forced for Easter. John Westcott presented the club with a fine picture of H. B. Beatty, which will adorn the club room. Next Monday there will be a match game between the Dayton team and one selected from the associate members of the club. The Beatty cup will be filled with something suitable for the occasion and a good time is guaranteed to all who will come and celebrate the winning of this trophy. The next meeting of the club will be to arrange and lay out the work that is to begin at once to make the 1907 convention the greatest the society has ever held.

NOTES.

The event of the week that has had most effect on the business has been the failure of the Real Estate Trust Co., one of the largest moneyed institutions of the city, whose stock par $100 has sold as high as $350, the last quoted price before the failure. Its directors were mostly successful business men, gilt edged and with few exceptions, millionaires. Its handsome office building at the southeast corner of Broad and Chestnut streets is one of the landmarks of the city. There were $27,000,000 of trust securities in its vaults, while 25,000 depositors have over $7,000,000 to their credit on their books. Now it is thought that while the trust funds are for the most part intact, the depositors will get but little unless the wild cat securities on which most of the money was loaned grow into the values placed on them by the promoter, who so hypnotized the president that he could get almost anything he asked. The president, who was a great church member, on the eve of being discovered ended his life with a pistol. Quite a number of the trade were unfortunate enough to do part of their business with this company, prominent among them being the heads of departments of the H. A. Dreer Co., some of whom had suffered before in a recent bank failure and had finally selected this as one of the safest places in the city. Frank Polites, of Chestnut above Broad, was in it, as was Edward Reid and Chas. Meehan, also the Flower Market, which carried its entire account in this institution. E. A. Stroud, of Strafford, Pa., also did his banking here. It is the same old story, everything was left by the directors to the president, who was too good to go wrong and whose duplicity was not discovered until his suicide opened their eyes to his real character. It is sincerely hoped that the efforts to put the company on its feet will meet with success, but each day's revelations since the failure, August 28, seem to make matters worse, the last account being that it would take at least $10,000,000 to see them out of the trouble and pay the depositors.

Alfred Campbell opened his new commission house, Sansom street above Fifteenth, on September 1 and gave all the boys a call over the 'phone. Mr. Campbell is a hustler and should build up a business in his location which is a good one.

The new Bayersdorfer store, factory and warehouse on Arch street, below Twelfth, when alterations are completed, will be one of the largest and best in the country. Nothing will be left undone to make it a model of its kind.

Wesley Floyd, recently with Wm. J. Moore at the market, is now with Edward Reid. Wm. Reynolds has succeeded Mr. Floyd with W. J. Moore and now drives the newly painted wagon over the route. K.

Boston.

TRADE ACTIVE.

The trade conditions of the past week exceeded the best anticipations of both growers and retailers. Owing to the opening of the different theatres, fall openings at the business houses, a great deal of funeral work, etc., there was quite a demand for stock. There is an abundance of all grades of goods coming in and they are selling at exceptionally good figures. The late varieties of asters are arriving in large quantities. The shortage of carnations still remains apparent and those in the market are very short stemmed. The market is flooded with gladioli, which are hard to move, as many of the stores are being supplied from outside sources at exceedingly low prices. Sweet peas are out of the question. Hardy hydrangeas, phlox, etc., sold well, being used principally for decorative purposes. There is a plentiful supply of roses with American Beauty, Kaiserin, Carnot, Killarney and Wellesley among the best sellers. Lilies are to be had in sufficient quantities. Cosmos and bouvardia are now putting in an appearance.

NOTES.

A most successful flower show was given by the North Shore Horticultural Society Aug. 29 and 30, under a tent on the grounds of the Essex country club. A special feature was five tables arranged by ladies. The society prize was awarded to Mrs. Scott Fitz, who had a most artistic arrangement consisting of lavender and white. Flowers used for this table were asters, phlox and scabiosa. The second prize was won by Mrs. Geo. T. Cabot with an arrangement of miscellaneous material. Another feature was four tables aranged with flowers for effect. The prizes were donated—first being awarded to Mrs. H. L. Higginson, J. Scott, gardener; second prize to Mrs. L. Leland, E. Wetterlow, gardener. A very pretty table was arranged by Robt. A. Mitchell, consisting entirely of lavatera and statice. The Lord & Burnham cup for a group of 20 plants was awarded to R. C. Hooper, W. Swan, gardener. The group consisted of Oncidium varicosum and palms. A certificate of merit was awarded to Mrs. L. Leland for a large group of greenhouse plants. A fine specimen of Cibotium Schiedei was exhibited by G. W. Black. The Schlegel & Fottler Co.'s prize of $35 in gold was awarded to Mrs. G. M. Lane, H. Shaw, gardener, for display of annuals. Among the vegetables the R. & J. Farquhar Co.'s cup was awarded to Mrs. W. B. Walker, Wm. Jack, gardener. The society prizes were won by R. Dexter, J. Salter, gardener; second, Mrs. E. C. Swift, W. P. Wakefield, gardener. Other exhibitions of note were those of J. Heurlin with perennials, W. W. Rawson with over 200 varieties of the latest dahlias. The North Shore Ferneries exhibited some fine garden furniture. Baskets made up of garden flowers were exhibited by A. Magnuson and R. A. Mitchell.

The annual sale of stalls of the Music Hall Market was held September 1, Mr. Tailby officiating as auctioneer. Refreshments were served throughout the sale. The sale was the most successful the market has had, about 30 new growers enlisting in the ranks. The first floor has been entirely remodeled, has all the latest improvements, such as electric fans, electric heating, etc., and the directors are now installing an extensive cold storage system.

N. M. Silverman, of Winter street, visited New York August 26 to 30 on a business trip. He informs us he has purchased a fine assortment of palms, also has arranged for a regular shipment of American Beauty roses.

Vacations being about over and stores looking spick and span, the retailers are now settling down for an extensive fall and winter trade; in fact, some of the stores have already booked several decorations.

There was a novel display of Physostegia Virginiana in the show window of Thos. F. Galvin's, August 28 to 31, which attracted widespread attention from the trade as well as the public in general.

J. W. Simpson is cutting some fine blooms of Rawson's midsummer branching asters.

The annual sale of stalls of the Park Street Market takes place September 8.

Wm. Nicholson is cutting some fine yellow and white chrysanthemums.

Visitor: Geo. E. Worcester, of Thetford, Vt., on a business trip. B.

DAHLIAS
All the Early Varieties.
The best stock coming to the market.

THE LEO. NIESSEN CO.
WHOLESALE FLORISTS.
1217 Arch Street, PHILADELPHIA, PA.

Roses = Asters = Gladioli
WE ARE RECEIVING THE BEST IN SUMMER FLOWERS.
PITTSBURG FLORISTS' EXCHANGE, Pittsburg, Pa.

VALLEY Special Prices Made on Yearly Contracts.
RIBBONS AND FLORISTS' SUPPLIES.
Samuel S. Pennock, THE WHOLESALE FLORIST, PHILADELPHIA.

ASPARAGUS PLUMOSUS NANUS.
Cut Strings, 50 cents each.
W. H. ELLIOTT, Brighton, Mass.

THE
J. M. McCullough's Sons Co.
Wholesale Commission Florists.
CONSIGNMENTS SOLICITED.
Special attention given to Shipping Orders.
Jobbers of FLORISTS' SUPPLIES, SEEDS and BULBS.
Price List on Application.
316 Walnut St., CINCINNATI, OHIO.
Phone Main 584.
Please mention the American Florist when writing.

C. A. KUEHN,
Wholesale Florist,
1122 Pine St., ST. LOUIS, MO.
A Complete Line of Wire Designs.
Please mention the American Florist when writing

ROSES AND CARNATIONS
Pittsburg's Largest and Oldest Wholesalers.
PITTSBURG CUT FLOWER CO., Ltd.
504 Liberty Ave., PITTSBURG, PA.
Please mention the American Florist when writing.

Holton & Hunkel Co.
Wholesale Florists
Milwaukee, Wis.
Please mention the American Florist when writing

H. G. BERNING,
Wholesale Florist
1402 Pine St., ST. LOUIS, MO.
Please mention the American Florist when writing.

Wholesale Flower Markets

PHILADELPHIA, Sept. 5.

Roses, Tea	3.00@ .400
" " extra	6.00@ 8.00
" Liberty	4.00@15.00
" Queen of Edgely, extra	16.00@25.00
" " " firsts	12.00@15.00
" Beauty, extra	16.00@25.00
" " firsts	12.00@15.00
Carnations	1.00@ 3.00
Lily of the valley	2 00@ 4.00
Asparagus, bunch	25 00@50.00
Smilax	20 00@25.00
Adiantum	.75@ 1.50
Cattleyas	.50@ .60
Gardenias	8 00@10.00
Auratum lilies	12 00@16.00
Gladiolus	2.00@ 5.00
Asters	.5C@ 2.00

BOSTON, Sept. 5.

Roses, Beauty, best	12 00@25.00
" " medium	8.00@12.00
" " culls	1.00@ 4.00
" Bride, Bridesmaid	2.00@ 4.00
" Extra	6.00@ 8.00
" Liberty	6.00@25.00
Carnations	1.00@ 2.00
" Fancy	2.00@ 3.00
Lily of the valley	2.00@ 4.00
Smilax	8.00@12 00
Adiantum	.50@ 1 00
Asparagus	35.00@50.00
Sweet peas	.25@ .75
Pond lilies	2 00@ 4.00

BUFFALO, Sept. 5.

Roses, Beauty	5 00@25.00
" Bride, Bridesmaid, Meteor	3.00@ 8.00
Carnations	.50@ 2.00
Lily of the valley	3.00@ 4.00
Asparagus, strings	40.00@50.00
Smilax	15.00
Adiantum	.75@ 1.50
Lilies	3.00@15.00
Peas	.15@ .25
Water lilies	3.00@ 5.00
Gladiolus	1.00@ 3 00
Asters	.30@ 2.00

THE ART OF Floral..... Arrangement.
The first special newspaper in the world for floral arrangement.
250 ILLUSTRATIONS ANNUALLY.
Specimen number free.
Subscription, $2.40 yearly.
BINDEKUNST-VERLAG,
J. Olbertz, ERFURT, GERMANY.
Please mention the American Florist when writing

J. B. MURDOCH & CO.
WHOLESALE FLORISTS,
FLORISTS' SUPPLIES.
545 Liberty Ave., PITTSBURG, PA
Please mention the American Florist when writing.

NOW READY
To fill orders for **American Beauties, Lily of the Valley, Carnations** and all varieties of **Tea Roses** in lots of one hundred to one thousand at short notice Get our prices before ordering elsewhere.
WELCH BROTHERS,
15 Province St., BOSTON, MASS.
Please mention the American Florist when writing.

Field-grown Carnation Plants. GOOD CLEAN STOCK. WRITE FOR PRICES.
ABSOLUTELY THE BEST POSSIBLE SERVICE.
W. E. McKissick
WHOLESALE FLORIST.
Business Hours 7 a.m. to 6 p.m. 1221 Filbert Street, PHILADELPHIA, PA.
Please mention the American Florist when writing

Nephrolepis Whitmani
2¼-inch, $25.00 100,
Boston Ferns 2¼-in. $3.00 per 100.
Henry H. Barrows & Sons, WHITMAN MASS.
Please mention the American Florist when writing

ROBERT CRAIG CO.
ROSES, PALMS,
and Novelties in Decorative Plants.
Market and 49th Sts., Philadelphia, Pa.
Please mention the American Florist when writing.

New York.

MARKET IMPROVES.

There is a slight improvement in the market, and as it has been carried along for a day or two it may be considered to be of the permanent character expected at this time of year. Staples of all kinds are taking on strength, and while values are not advanced to any great extent, everything along the line is active to the point of making a clean-out easy. Roses are called for to an extent which makes good stock something sought for, and lower grades have moved up a bit as far as demand is concerned. American Beauty roses in special grades are in better supply, and are somewhat stronger in price. Shorter stock is still rather difficult to move. Bride roses are rather scarce, and judging from the influx, it looks as though this variety, as a commodity, will be on the short side for a season, at the least. Kaiserin Augusta Victoria is arriving in fine shape, and sell well. Carnot is also a good thing. Killarney is asserting a popularity which is deserved, and as a summer pink it is in the front rank. Richmond is disappointing as a crimson, for the heated season, and the returns to growers shipping to this market are small. Cool spells have been rather rare this summer, but when they have happened the appearance of Richmond has recorded the condition. Carnations from outside plants are coming in quite plentifully, and sell well, as might be expected at this season. By mid-month inside grown stock may be expected, and the market is waiting for the superior stock which is in demand. Gladioli are reaching the end, and shipments within the past few days have been light in character. Asters also are shortening up, but the quality of arrivals in general is very good, long stalked and large headed stock being quite common, and bringing remunerative prices. Lily of the valley is in better demand, but the offerings are not of high grade. A few chrysanthemums have made an appearance and make the usual returns for something not wanted. Fancy dahlias are beginning to come in, and will be in abundance for a week or two. With the weather of the past few days outside stock is shortening in supply and the market should show a slight increase in values.

NOTES.

Milford Parks, the Cleveland, O., retailer, was another visitor last Friday. He was looking up one or two sources of specialty supplies, also openings for the starting here of a new idea in the florists' business which he has successfully tried in his own city.

Alex. J. Guttman and Charles Weber spent a day or two in Niagara Falls and Buffalo on their return trip from Dayton. Alfred Zeller of Flatbush and his daughters also spent some time at Niagara on their way home.

Henry Graves, a wealthy broker of Orange, N. J., died last week. He was a patron of the Botanical Gardens, and an enthusiastic grower and collector of orchids well known to the trade.

The reconstruction of the old Metropolitan hotel building, in which Chas. Thorley's retail florist's store is located includes the extension of the store to the full depth of the building.

J. A. Peterson, of Cincinnati, was in town last Friday and Saturday and carried away some good orders for Adiantum Farleyense. pandanus and begonias.

Alfred H. Langjahr spent a few days this week with his family at the seashore, recuperating from the effects of the heat at Dayton.

Several prominent wholesalers have arranged to extend the early closing season to September 15.

Next week will probably see the resumption of the auction business.

Buffalo.

TRADE FAIR.

Everything in the store and greenhouse trade is about as one would expect at this time of the year. Outdoor stock is very good and roses are improving. The weather has been cool the past week, consequently the cut flower trade has not diminished. Gladioli continue good.

NOTES.

The Daytonites have been arriving daily, headed by J. H. Dunlop, president of the American Carnation Society, A. Guttman, New York, C. Weber, Lynbrook, N. Y., Louis Winterson and wife, Chicago, E. Russell, of the Gasser Co., Cleveland, O., J. B. Stephens, with H. H. Fudges, Rosedale, Toronto, Ont.

Mrs. Newman, of Akron, N. Y., has three new houses, 26x120, for carnations. Mrs. Newman is new in the business and gradually got into it from growing asters, tulips, daffodils and other outdoor stock.

The drummers are dropping in. Recently we had C. Kakouda, of the Hinode Florist Co., Whitestone, L. I., N. Y., and Arthur Zirkman, of M. Rice & Co., Philadelphia, Pa.

S. A. Anderson has a fine lot of Boston and Piersoni ferns that he is selling rapidly as a herald of an early fall.

Miss Lou Faul, formerly of J. H. Rebstock's, is now in charge of S. A. Anderson's Elmwood salesroom.

All are anxiously awaiting the annual picnic. It promises to be a hummer and a big crowd is expected.

President Kasting is now back and looking pleased after the successful convention at Dayton.

Reichert Bros., Pine Hill, have about completed three new houses, 20x100 feet, for general stock.

Miss Edna Goehring, of S. A. Anderson's, has returned after a month's vacation in Detroit.

Wm. Kalisch and wife, of St. Louis, called on their way to Niagara Falls.

BISON.

Washington.

MARKET IN HEALTHIER TONE.

With improved weather the market has assumed a healthier tone. Not that there is any great amount of business, excepting funeral work, but prospects look much brighter. Of good stock there is but little in sight. This week will about finish the asters and only a few dahlias have thus far appeared. During the wet spell it was all the rose growers could do to save their stock from black spot and mildew without thinking much of blooms. Nearly all the roses that come in are weakly and without substance, but continued good weather will improve conditions.

NOTES.

George H. Cooke, after leaving Dayton and its attractions, took a trip into Kentucky, the Mammoth cave being his objective point. He remained there two days, making three tours into the cave, being both awed and astonished with its magnitude and natural wonders.

J. A. Peterson, of Cincinnati, stopped off for a short time last week on a combined business and pleasure trip to New York.

James Quinn, for some time past foreman for A. B. Garden, has transferred his services to the Department of Agriculture. S. E.

Pittsburg.

MARKET IN HEALTHIER TONE.

The market is getting toned up as the days go by, the demand is healthier all along the line. Although there is as much going to the barrel, more is going out the front door. Asters of every kind are arriving in quantities; the quality is very good. The best gladioli of the season are now coming in. It is a pity they do not move better. Roses of young stock are being cut but have not much length of stem. The demand is mainly for white, with pink going fairly well. Some fine red roses are seen but go no farther than the commission houses. Lily of the valley is unusually scarce. The demand for carnations is far greater than the supply. The usual scarcity of smilax at this time is now noticed.

NOTES.

E. G. Hill, of Richmond, Ind., was a recent visitor. He states that the output of 100,000 additional feet of glass will be disposed of in Pittsburg.

The storeroom of C. T. Siebert is undergoing extensive repairs. When completed Mr. Siebert will have one of the finest places in the state.

Mr. Sackerman of J. Stern & Co., Philadelphia, was calling on customers during the week.

L. Baumann, the western supply man, is booking Christmas orders here.

W. B. Ague will open again this week in the Liberty Market.

Mrs. Foss contemplates a trip into Canada via Detroit.

Miss Ida Elicker, of Homestead, has been ill with fever. J.

ARGOS, IND.—The Argos Floral and Plant Co. was lately organized with Wm. E. Hand as president and general manager and Noah E. Bundy secretary and treasurer. A number of greenhouses are being erected for the production of plants, cut flowers and vegetables.

FALL RIVER, MASS.—John Lambert is taking considerable pride in a walking stick recently presented to him by James J. Booth, of Pittsburg, which he is glad to show to all interested. It was made from a stick picked up by Mr. Booth on the field of Gettysburg, and bears near the handle a bullet imbedded in the wood during the war.

ORCHIDS
Largest Importers, Exporters, Growers and Hybridists in the World.
SANDER, St. Albans, England.
NEW YORK OFFICE: Room 1, 235 Broadway. T. MELLSTROM Agent.

HORACE E. FROMENT, Wholesale, Commission,
Successor to William Ghormley.
Orchids, Roses, Carnations, Valley, Lilies, Etc.
57 West 28th Street, NEW YORK CITY.
Telephones 2200 and 2201 Madison Square.

Trade Directory
—OF THE—
UNITED STATES AND CANADA.
PRICE $2.00, POSTPAID.
American Florist Co., 324 Dearborn St., Chicago.

Choice Carnations. Selected Roses.
Traendly & Schenck
NEW YORK CITY,
44 W. 28th Street, Cut Flower Exchange.
New Telephone No. 798 & 799 Madison Sq.
Please mention the American Florist when writing

CARNATIONS
MY SPECIALTY
Consignments Solicited. Prompt Payments
Established 1891.
Alfred H. Langjahr, 55 W. 28th St., NEW YORK.
Telephone 3924 Madison Square.
Please mention the American Florist when writing.

Original Pioneer House—Established 1871.
JAMES HART
103 W. 28th St., NEW YORK.
Wholesale and Commission
Consignments solicited. Shipping orders promptly attended to. 'Phone 626 Madison.
Please mention the American Florist when writing.

FORD BROS.
Receivers and Shippers of
Fresh Flowers
48 West 28th St. NEW YORK.
Telephone 3870-3871 Madison Sq.
Please mention the American Florist when writing

N. Y. Cut Flower Exchange
Coogan Bldg., 6th Ave. & W. 26th St., New York.
Open for Cut Flower Sales at 6 o'clock Every Morning.
Desirable Wall Space to Rent for Advertising.
V. S. DORVAL, JR., Secretary.

The Best Way to Collect an Account
is to place it with the
NATIONAL FLORISTS' BOARD OF TRADE,
56 Pine St., New York.
Why? Because many debtors will pay the Board, fearing otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.

Adiantum Farleyense
I can quote splendid stock at from $2.00 per dozen up to $24.00 per dozen, in 2-inch to 6-inch pots. If you are looking for Farleyense, better write me about it.
CHARLES H. TOTTY,
Madison, N. J.
Please mention the American Florist when writing.

Wholesale Flower Markets

NEW YORK, Sept. 5.

Roses, Beauty	best	10.00@20.00
" "	medium	6.00@10.00
" "	culls	1.00@ 4.00
" Liberty,	best	4.00@10.00
" "	culls	1.00@ 4.00
" Bride, Bridesmaid, G. Gate.		.50@ 4.00
" Kaiserin, Carnot		1.00@ 6.00
Carnations		.50@ 1.00
"	fancy and novelties	1.50@ 2.00
Lily of the valley		.50@ 3.00
Lillies		6.00@ 8.00
Smilax		6.00@ 8.00
Adiantum		.50@ .75
Asparagus		20.00@50.00

Thomas Young
WHOLESALE FLORIST.
43 West 28th St., NEW YORK.

Alex. J. Guttman
The Wholesale Florist of
NEW YORK.
Phone 1664-1665 Mad. Sq. 43 W. 28th Street.

Moore, Hentz & Nash,
Wholesale Commission Florists,
55 and 57 West 26th Street,
Telephone No. 756 Madison Square. New York.

N. Lecakes & Co.
53 W. 28th St., NEW YORK.
Tel. No. 1214 Madison Square
Stands at Cut Flower Exchange, Coogan Bldg., W. 26th Street & 34th Street Cut Flower Market. SPECIALTIES: Galax Leaves, Ferns and Leucothoe Sprays, Holly, Princess Pine and all kinds of Evergreens.
Green and Bronze Galax Leaves, $1.00 per 1000.

A. J. FELLOURIS,
J. J. Fellouris, Manager.
Wholesale and Retail Dealer in all kines of
EVERGREENS,
Fancy and Dagger Ferns. Bronze and Green Galax.
Telephone, 2675 Madison Square.
52 West 28th Street, NEW YORK.

George Cotsonas & Co.
Wholesale and Retail Dealers in all kinds of
Evergreens.
Fancy and Dagger Ferns, Bronze and Green Galax.
Phone 1202 Mad. Sq.
Store, 50 W. 28th St., NEW YORK.

—FLOWERS SHIPPED BY—
JOHN I. RAYNOR
Are the best product of the best growers for the New York Market.
Adiantum Croweanum sold here exclusively.
49 W. 28th St., NEW YORK.
Tel. 1998 Madison Square.
Please mention the American Florist when writing

Walter F. Sheridan,
WHOLESALE FLORIST,
Telephone 902 Madison Square.
39 West 28th St., NEW YORK.
Please mention the American Florist when writing.

J. Seligman. Joseph J. Levy
John Seligman & Co.
WHOLESALE FLORISTS
56 West 26th Street, NEW YORK.
OPPOSITE N. Y. CUT FLOWER CO.
Everything in Cut Flowers. Consignments from growers solicited. Prompt returns. Best prices. Satisfaction guaranteed. Tel. 4878 Madison.
Please mention the American Florist when writing.

PHIL. F. KESSLER
Wholesale Commission Florist
Telephones { 2921 / 5243 } Madison Square.
55 WEST 26th STREET,
Consignments solicited. Prompt payments. New York.

A. M. HENSHAW
Wholesale Commission Florist.
Consignments of first-class stock solicited. Out of town orders carefully and promptly filled.
Telephone 5583 Madison.
52 W. 28th St., NEW YORK
Please mention the American Florist when writing.

Receivers and Shippers of Cut Flowers, Consignments Solicited.
A. L. YOUNG & CO. Wholesale Florists . .
54 West 28th Street.
Telephone 3559 Madison Sq. NEW YORK.

THE KERVAN COMPANY,
20 West 27th St., NEW YORK.
Wholesale dealers in fresh cut Palmetto and Cycas Palm leaves, Galax, Leucothoe Ferns, Mosses and all Decorating Evergreens.

J. K. ALLEN.
Wholesale Commission Florist.
106 West 28th St., NEW YORK CITY.
Open every day at 6:00 A.M. Tel. 167 Madison Sq.

IT IS NOT...
what you pay for the advertisement but what the advertisement pays you. It pays to advertise in the American Florist.

CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

William H. Donohoe,

No. 2 West 29th St., (One Door Off 5th Ave.) NEW YORK.

PHONES: 3034 and 3035 MADISON SQUARE.

Write, wire or telephone your orders to the above. Personal attention assured.

The best is none too good. Prices always right. Send me your next order.

DETROIT.

JOHN BREITMEYER'S SONS

Cor. MIAMI and GRATIOT AVES.

DETROIT, MICH.

...Artistic Designs...

High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

MILWAUKEE.

C. C. Pollworth Co.

MILWAUKEE, WIS.

Will take proper care of your orders in WISCONSIN.

INDIANAPOLIS.

Bertermann Bros. Co.

FLORISTS

241 Massachusetts Ave., INDIANAPOLIS, IND.

ST. LOUIS.

Fred. C. Weber,

FLORIST.

4320-4328 Olive St., ST. LOUIS, MO.

Established 1873. Bell, Lindell 676.

DENVER.

The Park ...Floral Co.

J. A. VALENTINE, President. DENVER, COLO.

OMAHA.

HESS & SWOBODA,

Florists,

1415 Farnam Street, 'Phone 1503 and L. 1582. OMAHA, NEB

Please mention the American Florist when writing

DENVER.

FLORAL DESIGNS AND FLOWERS.

Best Quality on Shortest Notice.

DANIELS & FISHER, DENVER, COLO.

Order by mail, telephone, telegraph or cable.

Cable address: "Daniels Denver."

LONDON PARIS BERLIN

A. Lange

Prompt Attention to STEAMSHIP ORDERS.

Main Address 40 East Madison Street, Heyworth Bldg. ...CHICAGO.

Agents in all Leading European Cities.

GUDE BROS. CO. FLORISTS 1214 F ST. N.W. WASHINGTON, D.C.

WASHINGTON, D. C.

Gude's.

CHICAGO.

P. J. HAUSWIRTH

Auditorium Annex, CHICAGO.

Mail, telegraph or telephone orders filled promptly in best style

BUFFALO.

Palmer's

Buffalo, N. Y.

W. J. Palmer & Son, 304 Main St.

WASHINGTON.

GEO. H. COOKE,

FLORIST

Connecticut Avenue and L Street

WASHINGTON, D. C.

KANSAS CITY.

Samuel Murray

...FLORIST...

Coates House Conservatory

1017 Broadway, KANSAS CITY, MO.

Both 'Phones 2670 Main.

Write, Telephone or Telegraph. All orders given prompt attention.

KANSAS CITY.

GEO. M. KELLOGG,

926 Grand Avenue,

KANSAS CITY and PLEASANT HILL, MO.

Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

BROOKLYN, N. Y. NEW YORK.

Robert G. Wilson,

BROOKLYN, N. Y., Fulton St. and Greene Ave. NEW YORK, 48 W. 30th St.

Trade orders from all parts of the country filled for delivery at residence, steamer, hotel or theatre, on wholesale basis. Satisfaction guaranteed. Wire or telephone.

ALBANY, N. Y.

EYRES

Flowers or Design Work.

DELIVERED IN ALBANY AND VICINITY ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

ST. PAUL.

HOLM & OLSON,

ST. PAUL.

THE LEADING FLORISTS OF THE NORTHWEST

Orders will be well cared for anywhere in Minnesota and the Dakotas.

GALVESTON.

Mrs. M. A. Hansen,

—FLORIST—

Galveston, Texas.

Special attention given to Telegraph or Telephone Orders. 'Phone 1912.

JACKSONVILLE.

MILLS THE FLORIST,

36 W. Forsyth Street.

JACKSONVILLE, FLA.

WASHINGTON.

Mayberry & Hoover

Florists and Decorators

1339 Fourteenth St., Northwest

Telephone North 508. WASHINGTON, D. C.

New Orleans

CUT FLOWERS

For Tourists and General Trade.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, —838— CANAL ST.

COLUMBUS.

The Livingston Seed Co.

FLORISTS

Cover All Ohio Points. 114 North High St.

ROSES and CARNATIONS.

We are Headquarters for Roses, Carnations, Beauties and Valley. Write for special quotations.

A. L. RANDALL CO., 19-21 Randolph St., **CHICAGO.**

The Cleveland Cut Flower Company,

WHOLESALE CUT FLOWERS, FLORISTS' SUPPLIES, WIRE DESIGNS.

215 Huron Road, CLEVELAND, OHIO.

Cut Flowers or Designs

Will be delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

NEW YORK.

Alexander McConnell

IN NEW QUARTERS.

571 Fifth Avenue, Windsor Arcade, NEW YORK CITY

TELEGRAPH orders forwarded to any part of the United States, Canada and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive our prompt attention.

Telephone Calls: 340 and 341 38th Street.
Cable Address: ALEXCONNELL.
WESTERN UNION CODE.

Please mention the American Florist when writing

ST. LOUIS.

Theodore Miller

FLORIST,

Long Distance Phone. Bell, Forest 56. Kinloch, Delmar 201. **4832 Delmar Boulevard, ST. LOUIS, MO.**

Please mention the American Florist when writing.

DAYTON, O.

Matthews,

FLORIST,

16 W. 3rd St., DAYTON, O.

Please mention the American Florist when writing

LOUISVILLE.

JACOB SCHULZ, 644 Fourth Ave., LOUISVILLE, KY.

Cut Flowers of BEST QUALITY in season delivered promptly to any address.

Write, Telegraph or Telephone.
Cumberland and Home Phones 223 and 984.

Please mention the American Florist when writing.

ATLANTA.

ATLANTA FLORAL CO.

41 Peachtree Street, ATLANTA, GEORGIA.

Please mention the American Florist when writing

Orchids!

ARRIVED IN SUPERB CONDITION.

Cattleya Dowiana, C. gigas, C. Mossiæ, C. Percivaliana, C. Speciosissima, C. Eldorado, C. superba, C. labiata, C. Leopoldii, and many more. Write for prices.

Lager & Hurrell, SUMMIT, N. J.
Orchid Growers and Importers.

150,000 FIELD-GROWN CARNATIONS.

VERY FINE. PERFECTLY HEALTHY.

Cardinal, Buttercup,
Price $7.00 per 100.

Crisis, Queen, Flamingo, Roosevelt, M. A. Patten,
Price $6.00 per 100.

Queen Louise, E. A. Nelson, Eldorado,
Flora Hill, Portia, Crocker,
Prosperity, Dorothy,
Price $5.00 per 100.

J. L. DILLON, Bloomsburg, Pa.

50,000 GOOD, CLEAN CARNATIONS.

Bushy, well-branched stock; grown on new ground.

Lawson, Gov. Wolcott, largest size, $6.00 per 100; $55.00 per 1000. Boston Market, White Cloud, Norway, Flora Hill, Joost, Lord, $5.00 per 100; $45.00 per 1000. Splendid stock; full value

ROSES. ROSES. ROSES.

Strong, clean, 3-inch, Bride, Maid, Chatenay, Kaiserin, Richmond, $4.00 per 100; $35.00 per 1000, to close them out. 2½-inch Bride and Maid $2.00. **SMILAX,** strong, 3-inch, twice cut back, early strings from these plants, **$3.00 per 100;** fine, 2½-inch, $2.00. **Asparagus Plumosus,** 2-inch, $3.00; 6-inch, $35.00. **Sprengeri,** 4 inch, $7.00, **Boston Ferns,** 5-inch, $25.00. Fine plants.

W. H. GULLETT & SONS, Lincoln, Ill.

Steamship Sailings.

WEEK ENDING SEPTEMBER 15.

Sept. 11, Caronia, New York-Liverpool.
Sept. 11, Carmania, Liverpool-N. York.
Sept. 11, Pannonia, New York-Naples.
Sept. 11, K. W. der Grosse, N. Y.-Brem.
Sept. 12, Westernland, Liverpool-Phila.
Sept. 12, Oceanic, New York-Liverpool.
Sept. 12, Baltic, Liverpool-New York.
Sept. 12, Lake Erie, Liverpool-Montreal.
Sept. 12, Noordam, N. York-Rotterdam.
Sept. 12, Lombardia, New York-Genoa.
Sept. 13, La Lorraine, New York-Havre.
Sept. 13, Republic, Boston-Liverpool.
Sept. 13, Southwark, Liverp'l-Montreal.
Sept. 13, Oscar II, N. York-Copenhagen.
Sept. 13, K. Aug. Victoria, N. Y.-Hamb'g.
Sept. 13, Amerika, Hamburg-New York.
Sept. 13, Konig Albert, Genoa-N. York.
Sept. 13, Fried. der Grosse, N. Y.-Brem.
Sept. 13, Francesca, New York-Trieste.
Sept. 14, Victorian, Montreal-Liverpool.
Sept. 14, Virginian, Liverpool-Montreal.
Sept. 14, Laurentian, Boston-Glasgow.
Sept. 14, Parisian, Glasgow-Boston.
Sept. 15, Sarmatian, Montreal-London.
Sept. 15, Furnessia, New York-Glasgow.
Sept. 15, Astoria, Glasgow-New York.
Sept. 15, St. Paul, N. York-Southhamp.
Sept. 15, St. Louis, Southamp.-N. York.
Sept. 15, Haverford, Phila.-Liverpool.
Sept. 15, Campania, N. York-Liverpool.
Sept. 15, Lucania, Liverpool-New York.
Sept. 15, La Bretagne, New York-Havre.
Sept. 15, La Savoie, Havre-New York.
Sept. 15, Romanic, Boston-Naples.
Sept. 15, Canopic, Genoa-Boston.
Sept. 15, Ottawa, Montreal-Liverpool.
Sept. 15, Lake Champlain, Mont.-Liv'p'l.
Sept. 15, Pretoria, New York-Hamburg.
Sept. 15, Pennsylvania, Hamburg-N. Y.
Sept. 15, Ryndam, Rotterdam-N. York.
Sept. 15, Konigin Luise, N. York-Genoa.
Sept. 15, Grosser Kurfuerst, N. Y.-Brem.
Sept. 15, Main, Bremen-New York.
Sept. 15, Kroonland, N. York-Antwerp.
Sept. 15, Finland, Antwerp-New York.

Always mention the American Florist when you order stock.

CARNATIONS.

The finest, healthiest lot of field-grown plants in the Middle West, mostly planted out of 2½-inch pots. Flamingo, Prosperity, Wolcott, Harlowarden, $6.00 per 100; $50.00 per 1000. Boston Market, $4.50 per 100; $40.00 per 1000. Queen Louise, $4.00; $35.00 per 1000. Norway, $4.00 per 100; $30.00 per 1000.

ASPARAGUS.

Heavy, 2½-inch, plants, ready for a shift.
Plumosus nanus.....$3.50 per 100; $30.00 per 1000
Sprengeri, extra fine.. 3.00 per 100; 25.00 per 1000
" field-grown clumps, $6.00 per 100.

JERUSALEM CHERRIES, 3½-inch, now in bloom, $4.00 per 100. These plants are ready for 5-inch.

J. W. DUNFORD,

CLAYTON, MO,

Please mention the American Florist when writing.

SPECIALTIES.

ROSES from 3-inch pots. **CHRYSANTHEMUMS.**
CARNATIONS, for fall delivery. **SMILAX. VIOLETS.**
IN BEST VARIETIES.
Prices low. Send for list.

WOOD BROTHERS, Fishkill, N. Y.

Queen Beatrice Rose.

Four to one shot. Four times as many flowers as Maid.

F. H. KRAMER, 916 F St., WASHINGTON, D. C.

Please mention the American Florist when writing

The Seed Trade.

American Seed Trade Association.
H. W. Wood, Richmond, Va., Pres.; C. S. Burge, Toledo, O., First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas. Twenty-fifth annual convention at New York, 1907

THE Michigan bean crop gives good promise.

INDIANAPOLIS, IND.—W. H. Everett has removed to California.

RED TOP seed dealers are asking $8 per 100 pounds for fancy in growing districts.

HIRAM W. SIBLEY, son of the former seedsman, is interested in the new Canadian silver mines.

VISITED CHICAGO: A. J. Brown, Grand Rapids, Mich.; Edw. H. Jacobs, of National Nitro-Culture Co., West Chester, Pa.; J. B. Lewman, Louisville, Ky.; C. H. Lane, of the Ottumwa Seed Co., Ottumwa, Ia.; S. A. Wilson, with the L. L. Olds Seed Co., Clinton, Wis.

NEBRASKA vine seed growers report cucumbers likely to be less than 50 per cent of the crop formerly expected, owing to rust and aphis. Musk melons are doing better than cucumber, but show too light setting of fruit. Squash, pumpkin, water melon and sweet corn are looking well.

HENRY A. BERTOLI has resigned his position with the W. W. Barnard Co., of Chicago, and accepted a similar position with the Bromfield-Colvin-Ries Co., Bay City, Mich. Mr. Bertoli is well known to the seed trade, having made a thorough study in the field work of peas and beans for the past 10 years.

SANTA ANA, CAL.—Articles of incorporation were filed recently by the Santa Ana Easter Lily Co., the object of which company will be the growing of lily bulbs in large quantities for the market. Of the $15,000 worth of stock mentioned as capital, $4,000 has actually been subscribed. The directors are: E. A. Metcalf, formerly connected with the government experiment station here; Dr. C. D. Ball, J. M. Hough, J. P. Parsons and Senator John N. Anderson.

Parcels Post for Denmark and America.

Acting Postmaster-General Hitchcock has signed a parcels-post convention with Denmark, to take effect on October 1.

It provides for the exchange and transmission through the postal services of both countries of parcels which weigh no more than four pounds and six ounces nor measure more than three feet six inches in length and six feet in length and girth combined. The value of the parcels carried is also limited to $50. Postage must be prepaid in full at the following rates: In the United States, on parcels for Denmark, 12 cents for each pound or fraction of a pound.

In Denmark, on parcels for the United States, 60 ore for a parcel not exceeding one kilogram in weight, and 1 krona for other parcels. A delivery charge not exceeding 5 cents in the United States may be collected of the addressees of each parcel. The parcel post regulations applicable to parcels for Norway apply also to parcels for Denmark. Parcels post mails for Denmark will be made up at the New York postoffice.

5,400 ACRES OF GARDEN SEEDS IN CULTIVATION.

Braslan Seed Growers Co.

WHOLESALE SEED GROWERS.

SAN JOSE, CALIFORNIA.

Kentucky Blue Grass Seed.

Under date of September 4 E. F. Spears & Sons, Paris, Ky., issued the following:

We beg to call your attention to the fact that some central Kentucky seed dealers are offering fancy Kentucky blue grass testing 12 to 15 pounds to the measured bushel, calling it "export," and endeavoring in this way to injure the demand.

"Export" has always been the synonym for the best grade of seed, and this year tests 19 to 20 pounds. These offers are, to say the least, misleading. This light seed is made by mixing in the chaff from the cleaning, and can be sold 25 cents to 50 cents per bushel less than regular "export." We caution you against being thus misled.

Farm and Garden Seeds in Manchuria.

Consul-General Sammons, of Newchwang, reports that the authorities there are exhibiting much interest in the procurement of agricultural seeds, and suggests that American producers have an opportunity to introduce their products. He writes:

In this province the Chinese government is examining into the question of utilizing foreign agricultural seeds. The same is true of other provinces. Letters addressed to the viceroys in Chinese would no doubt receive consideration. The governor-general at Mukden informs me that he is very much interested in this subject, and is anxious to obtain various new varieties of seed suitable for the southern Manchurian climate, which, from an agricultural standpoint, is somewhat similar to Utah. Through the Japanese agricultural adviser, Sojiro Yokoyama, new varieties of grass seed are now being ordered from Japan for lower Manchuria. Many of the Japanese plants and seeds suitable for a mild, damp climate do not thrive in the dry climate that prevails in some sections of Manchuria. American beet seeds are to be extensively experimented with in Manchuria next season.

The new agricultural college at Chinanfu, province of Shangtung, is in charge of S. Yatsui and other Japanese agriculturists, and American seed houses may deem it worth while to communicate with the parties in charge of institutions of this nature as well as advisers to viceroys and governors-general in agricultural matters, etc.

California Seed Growing.

A reputable Santa Clara valley newspaper says it was a man by the name of Haywards, from Rochester, N. Y., who was the father of seed growing in California. He experimented here in 1874 in his back yard with onions and sweet peas. The result was so favorable that the following year R. W. Wilson, also of Rochester, set out some 20 or 30 acres in onion, lettuce, beet and carrot. The annual output 15 years ago was about 10,000 pounds, but it has since grown to an average annual crop of 400 tons, 800,000 pounds of onion seed and 750,000 pounds of sweet pea seed, giving present employment in this industry, and other seed growing, to over 1,500 men. And this is not all, for many more ranches are used exclusively in the growing of sweet peas for cut flowers.

JESSE WHITE.

What is the Function of an Invoice.

An action was raised in the court of session at the instance of Fotheringham & King, nurserymen, seed and potato merchants, Dumfries, against C. E. Anderson & Son, Limited, potato merchants and seed growers, Old Station road, Coupar-Angus, for £100 as the price of 5 tons Twenty Century potatoes, at £20 per ton, sold to them in October, 1904. The sale was made at National Potato Society's show at the Crystal Palace, London, to be delivered free on rail at Dumfries station up to the end of December last, but the delivery was postponed by agreement, as defenders had not disposed of the potatoes in December. On March 3 pursuers intimated that they proposed to load the potatoes on the following day, and this was done. At defenders' request they were consigned to Coupar-Angus, where they arrived March 6. It was an essential part of the bargain, defenders say, that the potatoes, which were of a new variety were guaranteed as pure and true stock; but an invoice was sent with them which contained the following clause: "Fotheringham & King give no warranty, expressed or implied, as to description, quality, productiveness, or any other matter, of any seeds or roots they send out, and they will not in any way be responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned." As defenders considered that this was directly at variance with the terms of the contract, and in breach of the warranty given, they returned the potatoes on March 7, intimating to pursuers that they rejected them; and they pleaded that the contract was at an end.

Pursuers explain that by a clerk's mistake the invoice was filled up on a printed form containing in print the stipulation quoted, which is in general use in the seed trade, and occurs as a matter of form upon most of the invoices sent out of their office. It was not intended to vary, and did not and could not vary, the terms of the contract which had been entered into; and as soon as defenders took exception to the printed stipulation a fresh invoice was sent, referring only to the terms of the contract note of October 19, 1904, which stated that the potatoes were "guaranteed true stock." They say that the real reason for defenders' refusal to pay for the potatoes was that they had fallen in price since the date of the purchase, and they had made repeated overtures to pursuers to be released from their bargain, which the latter refused to cancel.

Lord Ardwall in July last gave judgment in favor of the pursuers (Messrs. Fotheringham & King). The defenders reclaimed against the lord ordinary's decision, and the appeal was heard by the judges of the first division on Saturday, when their lordships adhered to Lord Ardwall's judgment. Their lordships pronounced the following interlocutor: "Edinburgh, June 16, 1906. The lords having considered the reclaiming note for the defenders against the interlocutor of Lord Ardwall, dated July 8, 1905, and heard counsel for the defenders, adhere to the said interlocutor. Refuse the reclaiming note and decern. Find the pursuers entitled to additional expenses since the date of the interlocutor reclaimed against, and remit the account thereof to the auditor to tax and to report. Dunedin, I. P. D."—Horticultural Trade Journal, June 27, 1906.

Vaughan's Seeds TRADE MARK NEW YORK-CHICAGO

Vaughan's Giant-Flowered Cyclamen

NOW IS THE TIME TO SOW THIS SEED.

10 PER CENT SPECIAL Cash Discount
On orders over $2.00 for Flower Seeds if the cash is enclosed **10 Per Cent.**

Giant Orchid Flowered, Pure White.

OUR REGULAR GERMAN STRAIN.

New Seed Now on Hand.

Pure White (Mont Blanc)
Dark Crimson
Rosa von Marienthal (Daybreak Pink)
Dark Rose
White with Carmine Eye
White Fringed, large, very attractive
Rubin, rich blood-red

Per 1000 seeds, $5.00. Per 100 seeds, 65c. 250 seeds of a color at the 1000 rates.

Salmon, a splendid new color. 100 seeds.....$1.50

Giant-Flowered Cyclamen, extra choice mixed. Per 100 seeds, 50c. 250 seeds for $1.15; 1000 seeds, $4.50; 5000 seeds, $20.00. This mixture is made up from the above separate colors.

NEW GIANT ORCHID-FLOWERED CYCLAMEN.

These are exceptionally fine, with very large flowers that are frilled and fringed in wonderful fashion. They are splendid sellers in the Chicago market and our seed is direct from the originator.

Pure White, Red, Pink
White with Carmine Eye and Lilac Colored
Each, per 100 seeds. $1.00; 1000 seeds, $9.00

Giant Orchid-Flowered Cyclamen, in choicest mixture. 25 seeds, 25c; 100 seeds, 85c; 1000 seeds, $8.00.

Rokoko Cyclamen This is an entirely new strain of Cyclamen with flat, round flowers, with wavy and fringed petals; very attractive; white with carmine eye, red, rose or mixed. 100 seeds, $2.50; 50 seeds, $1.35.

NEW ENGLISH GROWN CYCLAMEN.

THE FINEST STRAIN IN EXISTENCE. New crop seed due to arrive in August or early September.

Rosy Morn. Giganteum variety, delicate rose color. Claret base.
Picturatum. Giganteum variety. Light rose tinted with claret base.
Grandiflorum Album. The largest giant white grown.
Excelsior. Giganteum variety. White with red base. Extra large flowers.
Princess May. Pale pink.
Princess of Wales. Giganteum variety. Pink.
Mauve Queen. Giganteum variety. Mauve.
Duke of Connaught. Giganteum variety. Purplish crimson.
Duke of Fife. Giganteum variety. Dark rose.
Salmon Queen.

PRICES: Trade, 100 seeds, $1.00; 1000 seeds, $9.00 net.

Cyclamen Fimbriatum. Fimbriated flowers and foliage. 100 seeds, $2.50.

VAUGHAN'S SEED STORE, 84-86 Randolph Street, CHICAGO. 14 Barclay Street, NEW YORK.

Greenhouses and Nurseries and Trial Grounds, Western Springs, Ill.

Please mention the American Florist when writing

BULBS Now READY.

Right Prices. Best Quality.

	Per 100	1000
White Roman **Hyacinths,** 12-15	$2.50	$23.00
Dutch " " named	2.00	17.50
" mixed " in colors	2.50	22.50
" named " 1st size	6.25	60.00
" " " 2nd size	4.25	40.00
Tulips, single, mixed, separate colors	1.00	8.50
" " extra fine mixed	.90	7.50
" " fine mixed	.75	6.00
Tulips, double, mixed, separate colors	1.15	10.00
" " extra fine mixed	1.00	8.50
" " fine mixed	.85	7.00
Narcissus, Von Sion, double nosed	2.25	20.00
" " " 1st size	1.60	14.50
" " " 2nd size	1.25	10.00
Paper White Narcissus	.90	8.00
" " grandiflora, extra	1.25	10.00
Calla Lilies, 1½-2 in. diam	6.00	55.00
" 2-3 in. diam	10.00	95.00
Freesias, ¾-in. diam	.85	7.50
" mammoth bulbs	1.25	10.00

All other bulbs in season.

Ask for prices. We can interest you.

PERENNIAL GARDENS CO.,
TOLEDO, O.

Please mention the American Florist when writing.

BURPEE'S SEEDS PHILADELPHIA.

Wholesale Price List for Florists and Market Gardeners.

Please mention the American Florist when writing.

Stokes Standard Seeds.

Are Money Makers.

Stokes Seed Store.

219 Market Street, .·. PHILADELPHIA.

SEND FOR CATALOGUE.

PACIFIC SEED GROWERS' CO.

109 MARKET STREET
SAN FRANCISCO, CAL.
Specialties:
Onion, Carrot, Lettuce, Sweet Peas

Please mention the American Florist when writing.

Araucaria Imbricata FRESH SEEDS

Just received from Araucania, direct importation. Splendid conditions. Complete success. **The Most Attractive Hardy Tree.** Very convenient for avenues, alleys parks, pleasure grounds, colonies, etc. Price, packing free, $10.00 per 1000.

JULES VAN MOL, BRUSSELS, BELGIUM. Rue Goffart 27,

Please mention the American Florist when writing.

Reliable Mushroom Spawn

Originators and Growers of Superior Strains of Pure Culture Mushroom Spawn. For particulars, free booklet, etc., address

E. L. HESS, 604 LaSalle Ave., CHICAGO,
SPECIAL AGENT
for Pure Culture Spawn Co., of Pacific Mo.

Please mention the American Florist when writing.

The Nursery Trade

American Association of Nurserymen.
Orlando Harrison, Berlin, Md., President; J. W Hill, Des Moines, Ia., Vice-President; George C. Seager, Rochester N. Y., Sec'y.
Thirty-second annual convention, Detroit, Mich., June, 1907.

PROF. H. HAROLD HUME has returned to Florida to become associated with G. L. Taber, whose nursery business at Glen St. Mary has for a quarter of a century enjoyed the confidence of the southern trade.

, WEST CHESTER, PA.—The Morris Nursery Co. has applied for incorporation papers, under the direction of Geo. Achelis, Peter A. Keene and Martha G. Lear. This extensive nursery has for years been known as the "Morris Nursery," having been started by the late Paschall Morris, but carried on by Geo. Achelis for the last 25 or 30 years. It has very extensive property, many farms and lots hereabouts being leased and planted with trees, etc. The incorporation is for the purpose of extending the business.

Plans for Cincinnati Park System.

McAllister & Co., landscape gardeners of St. Louis, have been awarded a contract to prepare plans for the great public park system to be inaugurated in Cincinnati. They will receive $5,000 for their plans, which must be completed by January 1, 1907. The available cliffs and hillsides about the city will be transformed into swinging gardens, with winding pathways. Scores of public playgrounds will be mapped out. The park system when completed will cost millions of dollars and will make Cincinnati one of the most beautiful cities in the world.

Government Appraisals on Imports.

Nursery stock importers and growers are much perturbed over the constantly increasing conflicts with the United States customs authorities regarding the values to be placed on entries for dutiable purposes. Under the tariff regulations customs officers are required to levy an ad valorem duty on nursery stock and kindred lines on "the actual market value and wholesale price of the merchandise at the time of exportation to the United States."

This requirement works a hardship on the buyer of foreign products for the reason that, strictly speaking, there is no "foreign market value" for most of the importations of this kind. In this respect, nursery stock differs from many other classes of imports. Among the nurserymen of Europe there are as many as 20 different values placed on identically the same article.

It is probable that an appeal to the treasury department will be made, asking the restoration of a former practice whereby importers were advised by the government what values would be accepted by appraising officers as foreign market value.

A rule of this kind, importers believe, would put an end to existing differences and save thousands of dollars now paid out in extra duties and penalties. It is said that the treasury department discontinued the practice of giving information because the administration reached the conclusion that it was no function of the government to advise importers how to invoice their goods.

As matters stand at the present time, however, importers are wholly at sea as to what prices will be received by the appraising officers as correct foreign market value.

Jacs Smits, Ltd. NAARDEN, (Holland.
GROWERS OF
Rhododendrons, Axaleas, pot grown Shrubs for forcing. Lily of the Valley, Spiræa, Paeonias, Roses, Climbing Plants, good varieties of Conifers and all ornamental stock.
Personal Inspection Cordially Invited.
R. R. Depot, NAARDEN-BUSSUM, near Amsterdam.
Price list free on demand.

TREES AND SHRUBS.
We make especially low prices on **Nursery Stock** to Parks, Cemeteries, etc. Wholesale price-list on application. We carry immense quantities of the finest named varieties of
PEONIES.
PETERSON NURSERY 503 W. Peterson Ave CHICAGO, ILL.

Send to **THE MOON Company**
For Your { Trees, Shrubs, Vines and Small Fruits.
Descriptive Illustrated Catalogue Free
THE WM. H. MOON CO.,
Morrisville, Pa.

J. STAER,
Nurseryman and Seedsman,
WAHROONGA New South Wales AUSTRALIA.
Collector of Australian and Island Seeds and Plants. Palms, Ferns, Platyceriums, Orchids, Eucalyptus, ornamental trees and shrubs.

LARGE TREES.
OAKS and MAPLES.
PINES and HEMLOCKS.
ANDORRA NURSERIES,
Wm. Warner Harper, Prop.
Chestnut Hill, PHILA, PA

Please mention the American Florist when writing

PAEONIAS For September Delivery.
We are booking orders **NOW** from a large and well-assorted stock, carefully selected from hundreds of varieties tested. All have bloomed with us, and we guarantee them true to name. Send for special list, with prices.
—We are headquarters also for—
ROSES, CLEMATIS, AMPELOPSIS and HYDRANGEAS.
Use printed stationery. We sell at wholesale only.
JACKSON & PERKINS CO., Newark, Wayne County, New York

HIBISCUS SYRIACUS MEEHANII
WE now offer to the trade our new hardy variegated leaf Hibiscus Syriacus Meehanii. This plant attracted much attention when exhibited at the American Nurserymen's Convention at West Baden, Ind., and American Florists' Exhibition at Asheville, N. C. Foliage beautifully variegated; never sun-scalds or reverts to the green; flowers single, very large, satiny lavender; blooms during four months; prices on application. Orders booked now.
P. J. BERCKMANS CO., Inc., Fruitland Nurseries AUGUSTA, GA.

FALL SPECIALTIES.
PEONY, Dorchester, (Richardson). Latest and best paying, clear pink Peony. $25.00 per 100 for strong, 3 to 5 eye divisions.
PEONY, Queen Victoria. One of the largest blocks of this popular white to be found. $12.00 per 100; $100.00 per 1000, for strong, 3 to 5 eye divisions.
FORCING GRADE OF FIELD-GROWN ROSES. Home-grown, low-budded plants, selected for pot culture: Magna Charta, Crimson Rambler, Paul Neyron, Dorothy Perkins, etc., $12.00 yer 100; $100.00 per 1000.
HYDRANGEA, Hortensia and Otaksa. Bushy young plants with several flower shoots; good for 6 to 7-inch pots; $12.00 per 100. Extra heavy specimens for 10 to 12-inch pots or tubs, $60.00 per 100.
DRACAENA INDIVISA. Field-grown, 5-inch, $15.00 per 100; 6-inch, $25.00 per 100.
CHRISTMAS PEPPER. Set with young fruits, 4-inch pots, bushy; $12.00 per 100.
PRIMULA, Chinensis. Strong, 2½-inch, $3.00 per 100.
PRIMULA, Obconica Grandiflora. 2½-inch, $2.50 per 100.
Send for Catalogue No. 5 for full list of Bulbs, Seeds, Palms, Ferns, Araucarias, etc.
THE STORRS & HARRISON CO.
PAINESVILLE, - OHIO.

THE PEONY BLUE BOOK

(Now Ready)

Is worth writing for.
Mailed on request.

GEORGE H. PETERSON,
Rose and Peony Specialist,
Box 71, **FAIR LAWN, N. J.**

D. and C. Roses Are the cheapest because they are the best. We have in stock over 1,000 varieties on own roots including all the New European and American varieties of merit, as well as all the old varieties. All sizes from 2½-inch pots up. We can also offer 40 of the leading and newest varieties of Cannas inclu[illegible] Mont Blanc, also miscellaneous lists of Plant and Shrubbery, at prices that will make it worth your while to send us your lists for quotations before buying elsewhere. Send for a copy of Our New Guide to Rose Culture, for 1906, a handsome book of 116 pages. Free for the asking.

The DINGEE & CONARD CO., West Grove, Pa.
established 1850. 70 Greenhouses.

Please mention the American Florist when writing.

FANCY PEONIES

100 Varieties.

Catalogue free.

C. & M. WILD, R. F. D. No. 1, **SARCOXIE, MO.**

Please mention the American Florist when writing.

PEONIES.

Queen Victoria (Whitleyii), per 100....$ 9.00
Festiva Maxima, per 100..... 30.00
Fragrans, "Late Rose"..... per 100, 6.00
Large stock of M. L. Rhubarb and Lucretia Dewberry Plants.

For 1000 rates and other varieties, write

GILBERT H. WILD, Sarcoxie, Mo.

Special Offer of PEONIES

For September.

Florists' assortment of six choice proved kinds, **named,** including Queen Victoria and Delicatissima; all colors from white to crimson, for $8.00 per 100, $75.00 per 1000. Packed free.

Write for catalogue.

F. A. BALLER, Bloomington, Ill

PEONIES, FRUIT and ORNAMENTAL TREES.

Our fall catalogue and price list now ready. Write for it. **No Agents.** Prices are right. Evergreens and Ornamental Trees of all sizes for planting in parks, avenues and private places. Four car-loads shipped to World's Fair.

WILD BROS. NURSERY CO., Sarcoxie, Mo.

Please mention the American Florist when writing.

THE **LEEDLE** FLORAL COMPANY, Expert Growers. Springfield, Ohio.

H P., H.T., T., R., Cl., etc **ROSES** Best 101 sorts.

Now shipping from 2½ and 4 in. pots.

SEND for fall price list us your want **LIST.**

Please mention the American Florist when writing.

ROSES, 2½-Inch STRONG PLANTS

Crimson Rambler and other varieties.

$2.00 per 100; $15.00 per 1000.

C. M. NIUFFER, SPRINGFIELD, OHIO.

ROSE Mme. NORBERT LEVAVASSEUR
OR BABY RAMBLER.

For Sale 250,000

PRICES:

For plants grafted on briar's roots, 8 to 14 inches high and 3 to 6 shoots.

Per 100.....$ 5.00
Per 1000..... 46.00
Per 10000.... 400 00

THE FIRM OF

LEVAVASSEUR & SONS,

Ussy (Calvados) and Orleans (Loiret), France,

Beg to inform the trade that their contract with Messrs. Brown Brothers, of Rochester, having expired, they are ready to book orders for the popular **BABY RAMBLER.** Plants can be shipped from France from 15th of October, 1906, to 15th of March, 1907. Send orders now direct to our address.

Also Full Line In

Fruit Tree Stock, Rose Stock, Evergreens, Ornamentals, Novelties.

PEONIES

Beresford. Delicate rose with creamy petaloids Tipped carmine. Large bloom. Per doz., $2.50; per 100, $15.00.

Delachii. Deep crimson. Late. Per doz., $2 50; per 100, $15.00.

Delicatissima. Blush rose with circle of buff under guard petals. Very large and full to center. Strong, robust habit. Per doz., $4.50.

Eclatante. Cherry rose to center. Full, strong bloom. Early. Per doz., $2.00; per 100, $12 00.

Festiva Alba. Pure waxy white flaked with carmine at center. Large, full flower. Per doz., $3.50; per 100, $25.00.

Festiva Maxima. Snow white, flaked carmine at center. A grand, large bloom and very strong grower. Per doz., $5.00; per 100, $35.00.

Floral Treasure. Clear, brilliant pink. Very double and perfect form. Per doz., $4.50; per 100 $30.00.

Globosa. Incurved form. Brilliant rose with salmon center Strong stem. Per doz., $1.50; per 100, $10.00.

Golden Harvest. The nearest approach to a yellow peony. Blush guard petals. Per doz., $4.50; per 100, $30.00.

Grandiflora Rubra. Extra large, perfect balls of blood red. A massive late variety. Per doz., $4.00; per 100, $20.00.

FOR EARLY FALL PLANTING. Choce selection of named sorts Young plants of three to five eyes. Apply for rates per thousand.

Humei. Clear solid pink. Late. Per doz., $1.50; per 100, $10.00.

La Tulipe. Blush white. Outer petals flaked red. Distinct and fine. Per doz., $5.00; per 100, $35.00.

Marie Le Moine. Delicate flesh, fading to white. Very full and perfect form. Per doz, $4.00; per 100, $25.00.

Ne Plus Ultra. Solid shade of brilliant rose. A grand full petaled flower. Per doz., $2.00; per 100, $12.00; per 1000, $100.00.

Officinalis Rubra Plena. Deep crimson. Very early Per doz., $1.50; per $8.00; per 1000, $75.00.

Queen Victoria. Guard petals blush white. Flesh tinted center. A grand full flower. Very full and strong. Per doz., $2 50; per 100, $15.00.

Rosamond. Bright clear pink, tipped pale rose. Very large and free. Per doz., $2.50; per 100, $15.00.

Rubra Triumphans. Brilliant deep crimson. A fine contrasting color. Per doz. $2.00; per 100, $12.00.

Somerset. Pale rose with carmine tint and circle of buff. Very full and large. Per doz. $3.00; per 100, $20.00.

Washington. Nearly solid shade of delicate pink. Full bloom. Early. Per doz., $2.50 per 100 $15.00

Mixed Pink Varieties. Per 100, $8.00; per 1000, $75.00.

PHONE 312. **JAMES KING NURSERY, Elmhurst, Ill.**

HARDY PHLOX.

Now is the time to plant to get the best results next year.

We Offer the Following Varieties:

Marie Stuart (Miss Lingard)—Pure white, the earliest of all phlox and the best variety for the florist's use. Price: $3.00 per 100; $25.00 per 1000.

Princess Louise—White with pink eye, early and continuous bloom. Price: $3.00 per 100; $25 00 per 1000.

Brilliant—Rose pink, $4.00 per 100; $35.00 per 1000.

Lumineaux—Fine pink, $4.00 per 100; $35.00 per 1000

Eclaireur—Brilliant magenta, $4.00 per 100; $35.00 per 1000.

Dora Wingeller—Red, $4.00 per 100; $35.00 per 1000.

Meteor—Fine pink, $5.00 per 100.

Coquelicot—Scarlet, $6.00 per 100.

All the above are strong divided roots.

COTTAGE GARDENS COMPANY, Queens, N. Y.

LUDVIG MOSBAEK,
ONARGA, ILL.

100,000 Asparagus Pl. Nana and **Sprengeri,** very strong and fine plants, ready for shift, 4-in., $10.00: 3-in., $5.00: 2¼-in., $2.50 per 100. Seedlings, $10.00 per 1000.

10 Acres of Cannas. List mailed and orders booked for fall delivery.

40,000 Ferns, in var.: **Anna Foster, Boston, Piersoni** and **Sword Fern** (Exaltata), very fine, pot grown, ready for shift, 6-inch, $40.00 per 100: $6.00 per doz.: 4-in., $15.00: 3-in., $8.00. **Boston** and **Piersoni,** strong runners $30.00 per 1000.

3,000 Nephrolepis Piersoni Elegantissima, 4-in., $40.00: 3-in., $15.00: 2¼-in., $10.00 per 100.

20,000 Geraniums, stock plants, from field, in standard var., $6.00 per 100, $50.00 per 1000. Will also book orders for R. C. and 2¼-in. plants.

Palms, Dracaena Indivisa, 3-in., $5.00 per 100. 4-in., $10.00 per 100 **Kentia,** 3-in., $12.00 per 100. **Phoenix Canariensis,** 4-in., $20.00 per 100.

Pansies are working their way to the front once more. Our International Strain, Seedlings, $3.00 per 1000; Seed, per oz., $6.00: ⅛ oz., $1.00: prepaid for cash.

Roses, Brides and Bridesmaids, 3-inch, in fine condition, $5.00 per 100.

Sansevieria Zeylanica var., 4-in., $15.00 per 100 3-in., $8.00 per 100.

Let me send you a sample of my Asparagus and Ferns. They are worth more money to you than to me.

POINSETTIAS

Fine, 2-in., $5.00: 3-in., $7.50: 4-in., $12.50.

	Per 100
Celestial Peppers, ready for 5-in.	$10.00
Jerusalem Cherries, 3-in., ready for 4's	10.00

ROSES.

Write us your needs. We still have a few thousand left.

FERNS.

Bostons, the old standby: Barrowsii, Whitmani, Piersoni, Elegantissima, Scottii, Maidenhair, Plumosus, Sprengeri, etc., etc. Write us. All sizes on short notice.

GEO. A. KUHL, Pekin, Ill.

Will Sell Cheap

50,000 Canna Roots

Mostly Alphonse Bouvier.

Also 10,000 **Boston Ferns** in 4-inch and 5-inch pots, Send for prices.

JOHN WOLF, 011 and Anderson Sts., **SAVANNAH, GA.**

O. K. ORCHIDS

A large shipment of

Cattleya Gigas

just arrived in splendid condition. All plants especially collected by myself.

WRITE FOR PRICES.

JOHN DE BUCK

P. O. Box, 78

COLLEGE POINT, L. I., N. Y.

It is good business policy to mention the

American Florist

.....when writing to an advertiser

CARNATIONS.

Strong, Healthy, Field-Grown Plants.

	Per 100	Per 1000		Per 100	Per 1000
Lawson	$5.00	$40.00	Flora Hill	3.00	25.00
Nelson	3.00	25.00	Estelle	5.00	40.00
Guardian Angel	3.00	25.00	Fiancee	7.00	60.00
Nelson Fisher	7.00	60.00	Queen Louise	3.00	25.00
Enchantress	7.00	60.00	Mrs. Ine	3.00	25.00
Mrs. Patten	6.00	50.00	Higinbotham	3.00	25.00
Morning Glory	$4.00	$30.00	Armazindy	3.00	25.00
Boston Market	4.00	35.00	White Cloud	3.00	25.00
Lady Bountiful	6.00	50.00			

ROSE PLANTS.

	Per 100	Per 1000		Per 100	Per 1000
Liberty, 3-in.	$4.00	$35.00	**Chatenay,** 2½-in.	$4.00	$35.00

PETER REINBERG,

51 Wabash Avenue, CHICAGO.

Please mention the American Florist when writing

E. F. WINTERSON CO.

45-47-49 Wabash Ave., CHICAGO.

We are now receiving Fancy Long Stem Asters, all colors; also Gladioli, Auratum Lilies, Sweet Peas, Roses, American Beauties.

Our Carnations are the best on the market, and are fine for this season of the year.

Fancy Valley and all Greens always on hand.

ALL CUT FLOWERS IN SEASON.

"Leading Florists' Supply House of the West."

ASPARAGUS

	Per 100
Plumosus Nanus, 2¼-in. pots	$2.00
" Seedlings	1.00
Sprengeri Seedlings	1.00
VINCA VAR., from field, Oct.	5.00

PRIMROSES

	Per 100
Chinese, 2¼-in. pots	$2.00
Obconica Rosea and Alba	2.00
CANNAS, 5 var., field clumps	15.00
PANSY PLANTS, Oct. 1	$3.00 per 1000: .50

——CASH PLEASE.——

JOS. H. CUNNINGHAM, Delaware, Ohio.

DAHLIAS.

Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring.

DAVID HERBERT & SON,

Successors to L. K. Peacock, Inc., **ATCO, N. J.**

ASPARAGUS ROBUSTUS,

$5.00 per 100; $40.00 per 1000.

ASPARAGUS SPRENGERI,

$2.00 per 100; $15.00 per 1000.

ALBERT M. HERR

LANCASTER, PA.

ABUNDANCE!

Healthy stock, field-grown plants. 1st size, $12.00 per 100; $100.00 per 1000: 2nd size, $10.00 per 100; $75.00 per 1000: 250 at 1000 rates. Delivery 15th of August. Cash with order.

RUDOLPH FISCHER, GREAT NECK, L. I., N. Y.

ASPARAGUS

PLUMOSUS NANUS, 2-inch pots, $3.00 per 100: $25.00 per 1000, transplanted from the bench, $2.50 per 100: $20.00 per 1000.

SPRENGERI, 2-inch, $3.00 per 100: $25.00 per 1000, from bench, $2.50 per 100: $20.00 per 1000.

WM. CLARK, Colorado Springs, Col.

HEADQUARTERS FOR
Gladioli, Caladiums, Liliums and Phœnix Rœbelenii.

At the recent S. A. F. Convention our new Gladiolus **"AMERICA"** was conceded to be the very best variety on the market. It is unexcelled for garden planting or forcing under glass.

Strong flowering bulbs of **"America"**.....per 100, $10.00; per 1000, $75.00
Phœnix Rœbelenii, 4-inch pots.....per 100, 80.00
Phœnix Rœbelenii, 7-inch pots.....each, 4.00
Phœnix Rœbelenii, Seedlings.....per 100, $5.00; per 1000, 40.00

Write us for prices on all Summer Flowering Bulbs.

JOHN LEWIS CHILDS, FLORAL PARK, L. I., N. Y.

GET THE BEST

It don't pay to buy poor stock.

	Per 100	Per 1000
Richmond Roses, 2½-in.	$5.00	$40.00
" " 3½-in.	6.50	55.00
American Beauties, 3-in.	5.00	40.00
" " 3½-in.	6.50	55.00
Chatenay, 2½-in.	3.50	30.00
" " 3½-in.	5.00	45.00
Uncle John, 2½ in.	3.50	30 00
" " 3½-in.	5.00	45.00
Golden Gates, 2½-in.	3.50	30.00
" " 3½-in.	4.50	
Kaiserin, 2½-in.	3.50	30.00
Sunrise, 3½-in.	5.50	50.00

Satisfaction Absolutely Guaranteed.

	Per 100	Per 1000
Sprengeri, 3-in.	$4.00	$35 00
Plumosus, 3 in.	5 00	45.00
Yellow Snapdragon, 3½-in.	5.00	45.00

Field-Grown Carnation Plants.

Free from stem rot or other diseases. Strong, healthy plants

	Per 100	Per 1000
Wolcott	$4.00	$35.00
Prosperity	4.00	35.00
Fiancee	4.00	35.00

POEHLMANN BROS. CO.

MORTON GROVE, ILL.

Please mention the American Florist when writing.

FIELD PLANTS.

CARNATIONS.

Harry Fenn, fine plants, at.....$4.50 per 100

GERANIUMS.

S. A. Nutt, ready for 3-in. pots...$2.00 per 100

ALBERT M. HERR, Lancaster, Pa.

ROMAN HYACINTHS, PAPER WHITES and FREESIAS

ARE NOW READY.

Write for prices, stating quantity wanted.

Vaughan's Seed Store

84-86 Randolph St., CHICAGO. 14 Barclay St., NEW YORK.

CARNATIONS

Fine, Field-Grown Plants.

700 M. A. Patten, 350 Fiancee, 350 Cardinal, 175 Sunbird, 200 Fair Maid, $5.00 per 100.
500 Belle, $6.00 per 100.
675 Prospector (Red Maceo) $4.00 per 100

Stock grown at and shipped from Springfield, Ill.

S. S. SKIDELSKY,

824 No. 24th Street, PHILADELPHIA, PA.

CARNATIONS. . . .

Fine, Clean, Low Grown.

Enchantress	$6 00
Prosperity	5.00
Gen. Lord	5.00
Queen Louise	5.00
Estelle	5.00

—CASH—

CENTRAL GREENHOUSES, SANDUSKY, OHIO.

Please mention the American Florist when writing

Saves Many Times
ITS PRICE.

$2.00

Postpaid to any address.

THE AMERICAN FLORIST COMPANY'S DIRECTORY saves many times its price to every one who catalogues or circularizes the trade. Fully revised to date of publication, it puts the mail only to live names, avoiding waste of postage and printed matter, time and labor.

Contains 476 pages, lists of Florists, Seedsmen and Nurserymen of the United States and Canada by states and towns, also alphabetically; firms that issue catalogues, foreign merchants, horticultural societies and much other up-to-date information which makes it a reference book of daily utility wherever a wholesale trade is done.

Published annually by the

American Florist Co.

324 Dearborn Street, CHICAGO.

BERTHA RATH

CARNATION.

FERNS, PALMS,

ARAUCARIA EXCEL.,

ASPIDISTRA,

Green and Variegated.

BAY TREES and PRIVET,

Fine, Strong Stock.

R. DREYER, WOODSIDE, L. I., N. Y.

MABELLE, New Pink Carnation for 1907.

Color—A peculiar shade of lovely pink, with a faint yellowish cast; several shades lighter than the Lawson. Unlike most pinks, the brightest sun does not injure the color. Size—3 to 4 inches in diameter when established. Odor—Pleasing but not strong. Stems Invariably strong but always graceful, ranging from 12 to 30 inches during the season. Habit etc.—A very quick, active grower, making specimen plants in a short time, even from late cuttings. On account of its rapid growth, requires supporting very soon after benching. Gets away rapidly, blooms early and gives long stems right from the start. Productiveness Prodigious is the best word we know of to use here. It is the most incessant bloomer early and late we have ever grown. Stock limited. Delivery January 5 to 10 and later. Price, $12.00 per 100, $100.00 per 1000.

THE H. WEBER & SONS CO., Oakland, Md.

BUY

Crotons Dracaenas, Camellias, Ardisias, Farleyense,

FROM

Julius Roehrs Co., Exotic Nurseries, RUTHERFORD, N. J.

Carnations.

	Per 100	Per 1000
5,000 Enchantress	$5.00	$45.00
5,000 Mrs. Thos. W. Lawson	4.50	35.00

ELI CROSS, Grand Rapids Mich.

CARNATIONS.

Enchantress.....$5.00 per 100; $45.00 per 1000
Thos. Lawson ... 4.00 per 100; 35.00 per 1000
Fiancee..... 5.00 per 100; 45.00 per 1000

Fine healthy plants, grown in sandy soil.

JOHN MUNO. Rogers Park, Chicago Ill.

CARNATIONS, field-grown

	Per 100		Per 100
2000 Queen Louise, large	$5.00	300 Kohinoor, large	$4.00
2000 Prosperity large	5.00	600 Frances Joost, large	4.00
500 Lady Bountiful, medium.	7.00	200 Gov. Wolcott, large	5.00
1500 Harlowarden, large	5.00	100 Her Majesty, large	5.00
300 America, large	5.00	300 Estelle, small	5.00

C. H. FREY, Lincoln, Neb.

LARGEST STOCK OF ALL

Belgian Plants.

AZALEAS ARAUCARIAS, SWEET BAYS, PALMS, BEGONIAS, GLOXINIAS, ETC.

Louis Van Houtte Pere,

GHENT, BELGIUM.

STRONG, HEALTHY, FIELD-GROWN

Carnation Plants

that will please you. 500 Boston Market, 900 F. Hill, 1,000 Queen Louise 600 Pink Lawson, 500 Morning Glory, 300 White Cloud, 600 Crane $4.00 per 100. Cash with order.

SUNNYSIDE GREENHOUSES,

Owosso, Mich.

WATCH US GROW.

Araucaria Excelsa

The Best of All Decorative Plants Nature Produces

OUR SPECIALTY.

Every man in business and life to be successful must adopt one thing as his specialty and that specialty, whatever he select, of whatever nature it may be he must guard, study and push to such an extent that it not only benefits himself but he must conduct it so that everyone who seeks his aid service or his article, which he advertises or practices, will share a slice of his activity and prosperity. I made the importation and cultivation of Araucarias as a special study in my life. The figures below will show my success in business: In the first year I commenced with an importation of 250. In the eleventh year now, 1906 my importations have grown up to 6,000 (come and see it), and on account of the Araucaria growing yearly more in favor by the plant consuming people all over the country, as a much admired decorative plant for the parlor, bed, dining and sitting room, stores, hotels lawns and porches the outlook will be for an importation at least of 8,000 to 10,000 in spring of 1907. To secure this vast amount for 1907 I am now on the ocean, per steamer New Amsterdam, leaving Hoboken Aug. 15, striking for Belgium, making contract for next year 1907. I also shall at the same time bring over with me a large lot of choice Azalea Indica and Palms, etc., for Christmas and Easter flowering. No money will be spared in obtaining for my customers the cream of the Belgium greenhouses only.

Please note lowest prices now going on for August and September:

Araucaria Excelsa.

12 to 14 in. high, 5½-in. pots, 3 to 4 trs., 2 yr. old. $ .50
12 to 14 in. high, 5½-in. pots 3 to 4 trs., 2 yr. old. .60
16 to 18 in. high 5½ to 6 in. pots, 3 to 4 trs., 3 yr. old ..... .75
18 to 20 in. high, 6-in. pots, 5 to 6 trs., 4 yr. old. 1.00
20 to 24 in. high 6-in. pots 5 to 6 trs., 4 yr. old. 1.25
36 to 50 in. specimen, 7-in pots 6 yr. old, $2.50 to 3.00

Araucaria Compacta Robusta, have 1000 of them, never were so nice as this year. Plants are as broad as long from 12 to 20 in. in height, 3 to 4 perfect tiers, 20 to 30 in. wide across from one tip of tiers to the other, 3, 4 and 5 years old 6 to 7-in. pots $1.25 $1.50 $1.75, $2.00, up to $3.00 each.

Araucaria Excelsa Glauca, are perfect jewels in shape and size: their beautiful green-blue tiers make them of such a striking appearance that everybody seeing them must fall in love with them on sight, and cannot help it. Plants, 6 to 7 in pots, 3, 4 and 5 perfect tiers 15 to 25 in. in height from 15 to 30 in. across, $1.25 $1.50, $1.75, $2.00 to $2.50 each.

Please bear in mind these mentioned varieties are the cream of Belgium importations. We have thousands of them: can meet all demands.

Kentia Forsteriana, 6-in. pots, 35 to 40 in. high, 5 to 6 leaves, 4 years old, $1.25 to $1.50; 30 to 35 in. high, 4 years old, 6 in. pots, $1.00; 5½-in. pots, 25 to 30 in. high, 3 years old, 75c; 4 in. pots, made up with three plants, 18 to 20 in. high, 25 to 30c. **Belmoreana,** 6 in. pots, 4 years old, 5 to 6 leaves, bushy 30 to 35 in. high, $1.25; 5½ to 6 in. pots, 3 years old 5 to 6 leaves, 75c to $1.00 each. Above are the sizes entered in the custom house. **Kentia Forsteriana,** 7-in. pots, made up plants, on elarge in center, three smaller sizes, about 22 to 24 in. high, price $2.00 each.

Nephrolepis Barrowsii, 6 in., large ready for 7-8 in., 5c; 4-in., large, 25c.

Nephrolepis Scottii, 6-in. pots, large, ready for 7-8 in., 50c; 5½-in., 40c; 5 in., 35c; 4 in., 20c to 25c.

Boston Ferns, 4-in., 20c to 25c; have them by the 1000.

Asparagus Plumosus Nanus, 3-in., 6c; 4-in., 10c.

Cycas Revoluta or **Sago Palm,** 6 to 7 in. pots, 7 to 20 leaves 1c per leaf.

Cocos Weddelliana, 15c.

Areca Lutescens, made up plants, 4-inch pots, 50c.

Ficus Elastica, Belgian importation, 6-in. pots, 50c each.

Ferns. A fine assortment of Ferns for dishes large, bushy out of 2½-inch pots $5.00 per 100 3-inch, 7c each.

All goods must travel at purchaser's risk. Cash with order, please.

OUR LITTLE PETS.

By Aschmann, in Philadelphia. I bought
An Araucaria a pet for our little girl—
Now we have two pets the pride of our thought
The little girl so sweet a head full of curls.
And the Araucaria with their everlasting green—
A more joyful home you never have seen.

GODFREY ASCHMANN, Importer and Wholesale Grower of Pot Plants, 1012 Ontario St., PHILADELPHIA, PA.

Please mention the American Florist when writing.

A Few Good Things You Want.

Cash with Order.

Dracaena Indivisa, 4 and 5-inch, $10.00 and $25.00 per 100.

Asparagus Plumosus, 2-in., $3.00 per 100.

Asparagus Sprengeri, 2-inch $2.50 per 100.

Geraniums, S. A. Nutt, Castellane, John Doyle, Perkins, Poitevine and Double Gen. Grant, La Favorite Mme Saleroi, 2 in. pots, $2.00; 3-in. pots $4.00 per 100. Rooted cuttings, $1.00 per 100

Rex Begonia, nice plants 2 and 2½-inch, $5.00 per 100

Boston Ferns, 5-inch, 30c each.

Pierson Ferns, 5-inch, 50c each.

GEO. M. EMMANS, NEWTON, N. J.

CARNATIONS

FIELD PLANTS.

CANDACE .....$12.00 per 100

JOHN HARTJE,

3129 N. Illinois St. INDIANAPOLIS, IND.

Highland Grown Carnation Plants.

	Per 100	1000		Per 100	1000
Lawson	$5.00	$45.00	Norway	$5.00	
Flora Hill	5.00	45.00	Prosperity	5.00	
Boston Market	6.00	50.00	G. Angel	4.50	$40.00
Crusader	7.00		Peru	4.50	40.00
M. Glory	5.00	40.00	Glacier	4.50	40.00

Enchantress, Bountiful and White Lawson ready next month.

CRABB & HUNTER, Grand Rapids, Mich.

No "Baiting" Advertising Rates.

WE have received several requests lately to insert trial advertisements free of charge "as other trade papers offer."

We wish to state that

THE AMERICAN FLORIST

has nothing to offer free of charge or at cut rates. We have no privileged customers.

We give advertisers full and overflowing value, and that is all any honest advertiser needs.

Advertisers are paying double for so-called cheap advertising in useless correspondence.

THE AMERICAN FLORIST

readers are buyers who pay their bills.

American Florist Company

Kansas City.

MARKET CONDITIONS.

Supplies of stock remain practically as reported last week. Roses continue to improve in quantity and quality. Carnations are too poor to be considered. Asters are everywhere and are a glut on the market. Some very good stock is to be had, but much of the common grade is left over every day. While there has not been any marked increase in business the past week there is a more optimistic feeling caused by the approach of the season when we all know there will be "something doing."

QUEER BUSINESS METHODS.

This city has, I think, the reputation of being one of the best flower markets in the country, yet it has some peculiar conditions which may or may not be due to local causes. From time to time articles have appeared in the trade papers for and against the sales of cut flowers in department stores, and the question of a benefit or a detriment is never satisfactorily settled. The same is true of the Greek with his street stand. Much can be said for and against either of these propositions, but they will probably always remain questions upon which there will be differences of opinion. But to the legitimate florist in this city neither of the above-mentioned causes for concern can be compared to the peculiar business (or lack of business) methods, which prevail. Whether or not the association with beautiful flowers dulls our business instincts and makes us less alert than men who deal in the more common products of Mother Earth, the fact is evident that we fail to observe the caution and finished detail that prevails in transactions in other mercantile lines.

The keen rivalry for orders has gone so far that an unknown party can, by the flash of a single large order, establish such a credit, without further backing, as to enable him to underbuy and undersell and demoralize the business generally, much to the detriment of the man who buys in quantities such as he can afford, and who expects to meet his obligations. This was proven here in a most convincing manner during the past season. Again, the retailer is not afforded the protection by the wholesaler as in other lines. Goods have been sent into this city to parties not in the business, and at a price far below any quotations offered to the regular dealer; yet when these goods are refused from the transportation companies the shipper instructs the express agent to give to some retailer, and asks that he sell to best advantage. When taken to task for such methods, the shipper excuses himself with "the stuff was only junk anyway."

Another peculiar condition here is the fact that quite a little stock is sold without regard to its market value. The law of supply and demand is usually supposed to govern the market price of any article, and this is especially true of products of a perishable nature. Here, however, other factors not only make the price, but control the available supply in some cases. Plants that are worth $4 per dozen wholesale are being retailed at 25 cents each. A new variety of roses, for which one retailer pays the grower $2.50 per dozen, is retailed within a block of him at the same price. Friendships that will enable one or two men to profitably retail stock at the prevailing wholesale prices, make conditions such that some salaried positions are to be preferred to the worry and responsibilities of owning a business.

Another feature of the lack of system is the chance for the present day evil of graft. This is shown by the fact that stock is peddled around to the different stores and offered for sale at prices so ridiculously out of proportion to its real value, as to leave no question of how the stock was acquired. The persons most vitally interested seem to be wholly unaware of existing conditions, but it is to be hoped these few lines will enable them to grasp the situation and to remedy the evils, to the benefit of the trade in general.

NOTES.

The fine growing season has been productive of a great crop of amateur gardeners who form a continuous procession to the flower stores trying to find a market for their stock. Owing to the fact that their stock is, in most cases, very inferior, these embryo florists meet with keen disappointments.

The W. L. Rock Flower Co. is doing business under difficulties these days, as their store is in the hands of an army of carpenters, painters, etc. When the improvements are completed this will be the only store in the city using the artificial refrigerating system.

At R. S. Brown & Son's everybody was busy. This firm has made quite a specialty of ferns this season, and has handled them by the thousand. Their chrysanthemums, of which they grow nearly every known variety, are looking very fine.

W. J. Barnes reports everything as satisfactory as summer conditions will permit. Mr. Barnes grows his asters in frames, and just now is cutting some extra fancy stock which finds a ready sale.

"The Rosary will occupy this property" is the wording on a signboard on South Main street. The sign has been there for several months, but the Rosary does not seem to materialize.

John Schneider, who recently opened a new store on Grand avenue, is very anxious to dispose of his interests here, so that he may go to Oregon.

Miller Coster of W. L. Rock's, and wife, who are taking a honeymoon trip through the Rockies are spending a week at Colorado Springs.

V. Anderson, of Chicago, has leased the greenhouses at Forty-seventh and Berlinder boulevard and will grow roses for the wholesale trade.

Arthur Newell has for sale the J. P. Coen place at Lexington, Mo. This is a bargain for some one, as it has always been a money-maker.

There is an excellent opening for some one to grow smilax and asparagus for this market; these items are always scarce here.

"Bargain store methods" was the verdict when a Main street retailer put a wreath in his window marked at 95 cents.

This city is the only city in the United States of its size that can't have a florists' club. Why?

M. E. Chandler has returned from a two weeks' fishing trip to the lakes of Minnesota.

K. C.

Montreal.

BUSINESS IMPROVES.

The dull season is over at last. Many of the people are returning to town and with the reopening of schools business will become normal in a short time. The carnation planting is about done, the probabilities are there will be less planted than last year, but more roses. Chrysanthemums are doing well. Growers are busy at present taking the bud.

NOTES.

The Lachine Horticultural exhibition which was held on August 24 was a very creditable show for a place of the size of Lachine. Many of the Montreal members were there. A somewhat unexpected experience 12 of them had by getting a drive in the police patrol, at its termination. G. A. Robinson who acted as judge fined each ten cents for the driver. C. A. Smith had the misfortune, when picking exhibition apples, of falling from the tree and breaking his collar bone but he was able to attend the opening of the exhibition although all bandaged up like a mummy. He is secretary of the Lachine Horticultural Society.

Frederick G. Todd, landscape architect and manager of the Canadian Nursery Co., has been a very busy man this season. Although only a new concern it has handled thousands of dollars worth of nursery stock this year.

At J. Bennett's they were found busy refilling the big carnation house. The plants are of medium size but otherwise well grown and healthy. His Boston, Scottii and Tarrytown ferns never looked better.

McKenna & Son are greatly enlarging their store which only a few years ago was the largest in this country, but it is found too small now to properly handle the volume of business done within.

LUCK.

Tacoma, Wash.

SUMMER BUSINESS GOOD.

Business in this city has been keeping up very well during the dull months of July and August, and while the quality of cut flowers in this locality is poorer than usual the demand continues very good. The amount of glass being used in addition to the growing establishments in and close to this city is far ahead of any past season and while the city is growing in population at a very rapid rate the chances for abundance of florists' stock are better than ever before. Most of the planting-in of carnations is done and a very favorable start-off seems to be the general report. In the past the things hardest to procure were cut asparagus and smilax but this season's prospects are better.

S. L. HARPER.

COLORADO SPRINGS, COL.—The eighth annual flower show of the El Paso Horticultural Society opened in North park August 22. Five tents had been erected to care for the unusually large exhibits. The exhibits of sweet peas and dahlias were the most striking features. These were located in the main tent. In the adjoining tent were the tea and refreshment tables. In a third were the displays of plants, shrubs and perennials. Two tents were devoted to vegetables.

Palms, Ferns, Etc.

WHOLESALE PRICE LIST.

Bouvardia, field-grown, pink and white ready to plant into bench for winter blooming. $8.00 per 100.

Hydrangea Otaksa, field grown. $1.50 and $2.00 per doz.

	In.	Tiers.	Ea.	Doz.	100
Araucaria Excelsa	4	2 to 3	$0.35	$4.00	
" "	5	3	.75	9.00	
" "	6	3 to 4	1.00	12.00	
Asparagus Plumosus	2				$3.00
"	3				6.00
Asparagus Sprengeri	2				3.00
"	3				6.00
" "	4			1.50	
" "	5			2.00	

Asparagus Scandens Deflexus, a beautiful green for wedding and funeral work. 3-in pots at $1.50 per doz.; 4-in. pots at $2.00 per doz.

Bay Trees, small standards, 12-inch heads, $5.00 per pair.

Bay Trees, pyramids, 5 feet high, $15.00 per pair.

Carnations, field-grown. We have to spare: 500 Enchantress, $6.00 per 100; 500 Lawson, $4.00 per 100; 1000 White Cloud, $4.00. 800 Sports, $4.00 per 100; 500 Estelle, $5.00 per 100; 100 Harlowarden $5.00 per 100.

Adiantum Capillus, 5-in., $2.00 per doz.

Boston Ferns, 4-in pots, $1.50 per doz.; 5 in. pots, $3.00 per doz.; 6 in. pots, $4.20 per doz; 6 in. pots strong, $6.00 per doz.; 7 in. pots, $9.00 per doz. Larger specimens, $1.50, $2.00 and $3.00 each.

Scottii Ferns, 10-in. pots, $2.00 each.

Assorted Ferns for dishes, $3.00 per 100; $25.00 per 1000. We have a large lot to offer in best varieties.

Fern Balls, 7 to 9 Dormant or in leaf, $4.20 per doz.

Crytomium Falcatum, fine plants, 35c and 50c each.

Dracaena Fragrans, 5-inch pots, 50c each; $5.00 per doz. 6 in. pots, 75c each; $9.00 per doz.

Dracaena Indivisa. 2-inch pots $2.5 per 100; 6-inch pots, 20 to 26 inches high, 50c each; $5.00 per doz.; 7-inch pots, 30 to 34 inches high, 75c each; $9.00 per doz.

Dracaena Massangeana, 8-inch pots $2.00 each, " " beautiful specimens, 9-inch pots, $3.00 each.

Dracaena Terminalis, 4-inch pots, 25c each; $3.00 per doz.; 5-inch pots, 35c each; $4.20 per doz.

Honeysuckle Vines, 4-inch pots, $8.00 per 100.

Maranta Lietzii, 2¼ in., $1.00 per doz.

Pandanus Veitchii, 7-in., $2.00 ea.; $24.00 per doz.
" **Utiles,** 3 in .....per doz., $1.50
" " 4 in .....per doz., 3.00
" " 5 in .....per doz., 5.00

Areca Lutescens, 5-in., 50c each; $5.00 per doz.

Cocos, for dishes, 2½-inch, $1.50 to $1.75 per doz.

Cocos Bonetti, large specimens, $40.00 each.

	In.	Each	Doz.
Kentia Belmoreana	3		$ 2.00
" "	5	$0.60	7.20
" "	6	1.00	12.00
" "	6 xx	1.25	15.00
Kentia Forsteriana	5	.60	7.20
" "	6	1.25	15.00
" "	7	2.00	24.00

Phoenix Canariensis, 2 in.....per doz., 1.00
" " 5-in .....per doz., 5.00
" " fine bushy plants, 10-in. pots, $3.00 each. Large specimens, $25.00 to $30.00 each.

Phoenix Reclinata, 3½-in.....per doz., $2.00
" " 4-in .....per doz., 3.00
" " 6-in., 50c each; per doz., 6.00
" " 7-in. 75c each.

Sansevieria Jav. Var., 4-inch at $2.00 per doz.

Selaginella Denticulata, 3-in., per doz., $1.00.

The Geo. Wittbold Co.

1657 BUCKINGHAM PLACE, CHICAGO.

HEADQUARTERS FOR

CHOICE PLANTS

English Ivy, Anthericums, Kentias Forsteriana and Belmoreana, Phoenix Canariensis, Araucarias Bay Trees and Boxwood Pyramids, Asparagus Plumosus Bird's Nest, Scottii Elegantissima, Piersoni Boston and Johnsoni Ferns Cattleya Trianæ Rubbers Dracænas Terminalis and Fragrans, Pandanus Veitchii Gardenia Veitchii Cycas Revoluta, Cibotium Schiedei Livistona Sinensis Areca Lutescens, Crotons Aspidistras Lygodium Scandens Primula Obconica, Begonia Rex Daisies Fern Balls Lily of the Valley, Cut Flowers, Leaf Mold Orchid Peat, etc. Write for prices.

Anton Schulthais 19th St. and 4th Ave., College Point, L.I., N.Y.

Please mention the American Florist when writing.

GRAFTED ROSES.

Extra Fine Plants, Free from Mildew.

KILLARNEY, 3½-in. pots .....$18.00 per 100
LIBERTY, KAISERIN MAIDS, WOOTTON, 3½-in. pots, 12.00 per 100

OWN ROOT ROSES.

RICHMOND, PERLES, 3-in pots.. .....$6.00 per 100
BRIDES, MAIDS GOLDEN GATES, KAISERIN, LIBERTY, WOOTTON, 3-in. pots..... 4.00 per 100

J. L. DILLON, Bloomsburg, Pa.

GERANIUMS

2½in. Pots, Ready for Immediate Delivery

Alliance. Lemoine 1905. Hybrid Ivy and Zonal, semi double, lilac white, upper petals feathered and blotched crimson maroon, 25c each; $2.00 per doz.

Fleuve Blanc, the semi-double Bruant that promises to become the standard white, flowers and foliage equal to Alph. Riccard, $1.50 per doz.; $10.00 per 100.

Double Dryden, $1.00 per doz.; $5.00 per 100.

Cactus Geraniums, four varieties, petals curled and twisted similar to the Cactus Dahlia. $2.00 per doz.; $15.00 per 100.

S. A. Nutt, La Pilote, Beaute Poitevine, Mme. Barney, Centaur, Miss Kendall, Mme. Jaulin, Jean Viaud, Mme Charotte, 40c per doz.; $2.00 per 100; $18.00 per 100.

Ville Poitiers, Marquise de Castellane, Berthe de Persilly, M. Jolly de Rammeville Thos. Meehan, 50c per doz; $3.00 per 100; $25.00 per 1000.

Send for Geranium Catalogue. Let us figure on your future supply.

	Per 100	1000
Alternanthera, red and yellow	$2.00	15.00
Hardy English Ivy	2.00	15.00
Smilax	2.00	15.00

DAHLIA ROOTS.

We are booking orders for fall delivery. Send for list.

A cordial invitation is extended to all interested in horticulture to visit us. Cheltenham station, Philadelphia division, B. & O. R. R., 12 miles north of Baltimore

R. VINCENT, JR & SON, White Marsh, Md.

The Best Dwarf Scarlet Canna Is

THE EXPRESS.

OSCODA

Is the Best Red and Yellow.

Neither exceed three feet in height.

Buy and plant on benches in the Fall is the best way to increase stock of these Sterling Varieties.

Strong 2 and 3 eye pieces, $1.50 per dozen; $10.00 per 100.

Delivery now to Dec. 1, in strict rotation.

NATHAN SMITH & SON

ADRIAN, MICH.

Carnations

We make it a business to grow and sell carnation plants. No surplus stock. All A1 plants.

	Per 100	1000		Per 100	1000
Enchantress	$5.00	$45.00	Harlow'rden	$4.50	$40.00
Nels'n Fisher	5.50	50.00	Flamingo	5.00	45.00
Prosperity	4.50	40.00	Crane	4.50	40.00
Morn Glory	4.00	35.00	Pink Lawson	4.00	35.00
Glacier	4.00	35.00	Cash with order, please.		

Blanksma Bros., R. F. D. No. 11, GRAND RAPIDS, MICH

PAID UP....

Subscriptions Show That Readers Like the Paper.

GERANIUMS.

ROOTED CUTTINGS.

Orders booked for delivery Nov. 1, and after. I will have fourteen houses planted to stock plants and can supply you with the right kind of cuttings.

	Per 100	1000
S. A. Nutt, Perkins, Buchner, Doyle		$1.25 $12.50
Viaud, Jaulin, Poitevine, L. Francis, Ricard, Castellane, Trego	1.50	15.00
Peter Henderson	2.00	20.00
Fleuve Blanc (White Poitevine)	5.00	50.00

These cuttings are carefully grown and will make a better plant than the average pot plant.

ALBERT M. HERR, Lancaster, Pa.

Please mention the American Florist when writing.

Carnation Plants.

Dirt Cheap, if called for.

	Per 1000
Enchantress, 2nd size	$20.00
Crusader, 2nd size	20.00
Boston Market, 2nd size	20.00
Mrs. Nelson, 2nd size	20.00
Pink Lawson, 2nd size	20.00
White Cloud, 2nd size	20.00
Guardian Angel, 2nd size	20.00

BRANT & NOE FLORAL CO.

W. Peterson and 48th Aves., CHICAGO.

Carnations

For Sale. Strong, healthy, field grown plants

	Per 100	1000		Per 100	1000
Lawson	$5.00	$40.00	Sports	$4.00	30.00
Nelson	4.00	30.00	Inc.	4.00	30.00
Enchantress	6.00	55.00	White Cloud	4.00	35.00
Boston Market	5.00	40.00	Harlowarden	5.00	45.00
Flora Hill	4.00	30.00	Crusader	6.00	50.00

Sprengeri, extra fine, $4.00 per 100.

SCHEIDEN & SCHOOS, Asbury and Warren Aves. Evanston, Ill.

Louisville.

BUSINESS GOOD.

Business last week averaged very good, and the month of August as a whole was the best experienced for a good many years. Stock was generally obtainable in adequate quantities, and of satisfactory quality. Roses of fair quality are in good supply, and have a satisfactory demand. Carnations are rather poor in quality. They find a fair demand, and the supply is great enough. Asters seem to be the flower, and have a very satisfactory demand. The quality averages good, and the supply is adequate. Lilium album and L. rubrum can be had in small quantities, and find some demand. Such outdoor stock as phlox, rudbeckias, hydrangeas, etc., is becoming scarce, and is greatly missed. Other stock can be had in satisfactory quantities. Green goods are in fair supply.

NOTES.

The next meeting of the Florists' Bowling Club will be September 11, the alleys to be announced later.

Jacob Schulz has been displaying some philodendron blooms, which have proven very attractive.

Visitors: Martin Reukopf, of H. Bayersdorfer & Co., and E. J. Fancourt, representing S. S. Pennock, Philadelphia, Pa., and a representative of the A. L. Randall Co., Chicago. F. L. S.

San Francisco.

That there is more than 100,000 not here now that went to bed in this city on the night of April 17, is not disputed. But, according to a number of prominent florists, none will be more regretted than that of Wm. J. Dingee, an old-time resident, an active member of Golden Gate park commission and a flower-lover often seen in the park with superintendent McLaren as referee on any point contemplated by the superintendent for any beauty spot to be added here or there. It is said by florists here that Mr. Dingee has never been seen without a buttonhole bouquet, and that he seldom passes a flower stand without stopping to purchase a fine bunch of flowers. Recently in the San Francisco trade news column of THE AMERICAN FLORIST reference was made to the choice blooms grown in Mr. Dingee's home conservatories; that he was reared in the West Grove, Pa., nurseries that are still advertised in this journal in the name of the Dingee & Conard Co., and incidentally that he had just then sold for $11,000,000 his controlling interest in the Oakland water supply reservoirs. The reliable news this week is that Mr. Dingee has bought for upward of $1,000,000 a palatial residence numbered 858 Fifth avenue, New York, located between the Yerkes and Gould houses, and that he will depart for this new home within the next few weeks.

JESSE WHITE.

WINANDY BROS.
Greenhouse Builders,
3730 N. Lincoln Street. Rogers Park Station, CHICAGO.
Write for our estimates.

IMPROVE the QUALITY
OF YOUR FLOWERS
CUT DOWN YOUR EXPENSES
If interested write for our Florists' booklet
MOREHEAD MFG. CO.
1047 Grand River Ave.
DETROIT - MICH.

L. BAUMANN & CO.,
Importers and Manufacturers of
Florist Supplies
76-78 Wabash Ave., CHICAGO.
Write for our New Catalogue F. Our prices may interest you.

Weathered Company,
BUILDERS OF
Iron and Cypress Greenhouses, Greenhouse Heating and Ventilating Apparatus.
P. O. Address. Box 789, NEW YORK CITY.

MICE PROOF SEED CASES.
SEND FOR BOOKLET.
HELLER & CO., Montpelier. O

SPRAGUE, SMITH CO.
JOBBERS AND MANUFACTURERS OF
Window Glass.
GREENHOUSE GLASS
A SPECIALTY.
167-169 Randolph St., CHICAGO.

Now is the Time
to Subscribe to the
Horticultural Trade Journal
Published weekly The Largest Brightest and Best British Trade Publication. Also
THE INTERNATIONAL EDITION
Published quarterly. Annual subscription for weekly and quarterly numbers, One dollar. (International money order). Subscribe to-day and keep in touch with European markets and topics.
THE HORTICULTURAL PRINTING COMPANY,
BURNLEY, ENGLAND

You heard of, if you did not see, our exhibit at the Convention.
HIGHLY RECOMMENDED
for natural prepared variegated Magnolia Wreaths, Adiantums, natural prepared Christmas Trees and Cycas Wreaths with Asters.
Keep your "I" on the enterprising florists' supply house.
J. STEVN & CO.
1928 Germantown Ave., PHILADELPHIA, PA.

Wired Toothpicks
10,000, $1.50 50,000, $6.25. Manufactured by
W. J. COWEE, BERLIN, N. Y.
Sample free For sale by dealers.

MYERS & CO.
BUILDERS OF
Modern Greenhouses
HEATING BOILERS.
1122 Betz Bldg.,
PHILA., PA.

ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the
"Horticultural Advertiser"
This is the British Trade Paper, being read weekly by all the Horticultural traders; it is also taken by over 1000 of the best continental houses. Annual subscription to cover cost of postage 75c; Money orders payable at Lowdham, Notts.
Address Editors of "H. A."
Chilwell Nurseries, LOWDHAM, Notts, England

It Reaches The Buyers.

AMERICAN FLORIST CO:—
I wish to express my appreciation of THE AMERICAN FLORIST as a trade paper. My sales have far exceeded my most sanguine expectations and of our immense stock only a few thousand remain and they are moving rapidly. We find that nearly every state in the Union has its consignments, with Canada also getting into the procession, many orders being repeated.
W. J OLDS.
UNION CITY, PA., July 30, 1906.

The James H. Rice Co.
IMPORTERS and JOBBERS
GREENHOUSE GLASS
A SPECIALTY.
Window Glass, Paint, Putty, etc.
Office and Warehouse: Corner of Michigan St. Clair and Illinois Streets, CHICAGO

The Whilldin Pottery Co.

STANDARD FLOWER POTS

Our output of Flower Pots is larger than any concern in the World
Our Stock is always Large and Complete

Main Office and Factory,

713 WHARTON STREET, PHILADELPHIA

Warehouses: JERSEY CITY N. J. LONG ISLAND CITY, N. Y.

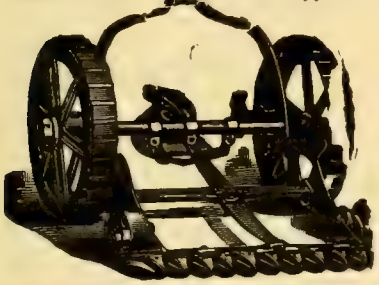
POT MAKERS FOR 140 YEARS

A. H. HEWS & CO. INC. CAMBRIDGE, MASS.

FLORISTS' WARE OF EVERY KIND

CLIPPER LAWN MOWER CO. DIXON ILL.

The Mower that will **kill all the Weeds in your Lawn.** If you keep the weeds cut so they do not go to seed and cut your grass without breaking the small feeders of roots, the grass will become thick and the weeds will disappear.



The Clipper will do it. Ask your dealer for them. If they have not got them, below is the price: No. 1 12-inch Mower $5; No 2—15 inch Mower, $6; No. 3—18-inch Mower, $7; No. 4—21-in Mower, $8 Send draft, money-order or reg. letter.

THE BEST Bug Killer and Bloom Saver.

For **PROOF** Write to

P. R. PALETHORPE COMPANY,

LOUISVILLE, KY.

GEO. KELLER & SON, MANUFACTURERS OF

FLOWER POTS.

Before buying write for prices.

361-363 Herndon Street, near Wrightwood Ave., CHICAGO, ILL.

THE FUMIGATING KIND TOBACCO

KILLS ALL APHIS IN A NIGHT AT A COST OF 15 CENTS.

LET US TELL YOU HOW.

THE H-A-STOOTHOFF CO. 116 WEST ST. NEW-YORK

THE KELLER POTTERY COMPANY,

Manufacturers of **FLORISTS' RED STANDARD POTS.**

Azalea Pots, Bulb and Fern Pans, Etc.

Write for Price List. 213-15-17-19-21-23 Pearl St., NORRISTOWN, PA.

IONIA POTTERY COMPANY.

If you know of no reason why you have never used IONIA POTS, this should be a sufficient reason why you should use them now.

We never lose a patron because our ware is not the best. 35 years of skilled experience is represented in the making. Let us have your order. We promise entire satisfaction.

A postal will bring our catalogue.

IONIA POTTERY COMPANY, Ionia, Mich.

STANDARD FLOWER POTS

No Charge for Crates or Packing.

Inches	per 100	Inches	per 100
1½	$ 2.77	7	$ 4.00
2	3.33	8	6.00
2½	3.88	9	8.88
3	5.27	10	13.33
3½	6.10	12	22.22
4	7.77	14	38.88
4½	10.00	16	66.66
5	13.60	20	each, 1.25
6	22.20		

Azalea Pots and Bulb Pans same as Standard pots 2 and 2½ in Rose Pots, $3.50 per 1000. These pots are **carefully made** very strong and porous. Libera count is given, thereby protecting our patrons against possible breakage. **Above prices subject to 10 per cent. discount for cash.**

A. F. KOHN, 1521-23-25 N Leavitt St, Chicago

Please mention the American Florist when writing

Red Standard Flower Pots

Price list and samples on application.

PADUCAH POTTERY CO., Inc.

PADUCAH, KENTUCKY.

Kramer's Pot Hangers

For Sale by Wholesale Seedsmen, Florists and Supply Dealers.

Price, $1.00 per dozen by express. Sample dozen by mail, $1.25.

I. N. Kramer & Son, CEDAR RAPIDS, IOWA.

A. HERRMANN,

Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florists' Supplies.

SEND FOR PRICES.

404-412 East 34th St., NEW YORK.

Standard Flower Pots!

Packed in small crates, easy to handle.

	Price per crate		Price per crate
1500 2-in., in crate,	$4.88	120 7-in., in crate,	$4.20
1500 2¼ "	5.25	60 8 "	3.00
1500 2½ "	6.00	HAND MADE.	
1000 3 "	5.00	48 9 in., in crate,	$3.60
800 3½ "	5.80	48 10 "	4.80
500 4 "	4.50	24 11 "	3.60
320 5 "	4.51	24 12 "	4.80
144 6 "	3.16	12 14 "	4.80
		6 16 "	4.50

Seed pans, same price as pots. Send for price list Cylinders for Cut Flowers Hanging Baskets, Lawn vases, etc. Ten per cent off for cash with order. Address

HILFINGER BROS. POTTERY, Fort Edward, N. Y or AUGUST ROLKER & SONS New York Agents, 31 Barclay Street, New York City.

THOSE RED POTS

"STANDARDS"

FULL SIZE AND WIDE BOTTOMS. BULB PANS AND AZALEA POTS

DETROIT FLOWER POT M'F'Y.

HARRY BALSLEY, Rep. DETROIT MICH. 490 Howard St.

Index to Advertisers.

Adv rates.....314
Advance Co The... 346
Allen J K 323
Amling E C.....319
Andorra Nurseries...328
Aschmann Godfrey. 333
Atlanta Floral Co...325
Baller F A 329
Barrows Henry & Son321
Barteldes Seed Co ..317
Bassett & Washburn 322
Baumann L & Co....336
Beaven E A 317
Beckert W C..... II
Beuthey-Coatsworth Co 319
Berckmans P J Co...328
Berning H G.. ... 321
Bertermann Bros Co.324
Blanksma Bros.....335
Boddington A T II
Brant & Noe 335
Braslan Seed Co.....326
Breitmeyer's Sons 324
Brown Peter.....317
Bruns H N..... II
Budlong J A..... 319
Burpee W A & Co...327
Byer Bros. 317
Caldwell the Woodsman Co.....317
Carlton H R 317
Carmody J D.....346
Caswell Philip..... 3-5
Central Grhs 331
Chicago Carnation Co I
Chicago House Wrecking Co 345
Childs John Lewis...331
Clark Wm 330
Cleveland Cut Flo Co325
Clipper Lawn Mower Co..... 337
Cochran Mushroom & Spawn Co II
Cooke Geo H 324
Cotsonas Geo & Co. 324
Cottage Gardens Co.3-9
Cowee W J 336
Crabb & Hunter.....333
Craig Robert Co.... 321
Cross Eli 333
Cunningham Jos H..330
Daniels & Fisher....324
Deamud J B Co.....319
De Buck John. 330
Detroit Flo Pot Mfy...337
Dietsch A Co 346
Diller Caskey & Co III
Dillon J L.....325 335
Dillon Mfg Co. 346
Dingee & Conard Co..329
Donohoe W H.....324
Dorner F & Sons Co I
Dreer H A.....338
Dreyer R 333
Dunford J W 325
Edwards Fold'g Box 345
Elliott Wm H 321
Emmans Geo M.... 333
Eyers H G.....324
Fellouris A J 323
Fischer R.....33
Florists' Hail Ass'n ...338
Flower Growers Co. 319
Foley Mfg Co.....346
Ford Bros.....323
For Sale & Rent.....315
Frey C H 334
Froment H E 323
Garland Geo M.....III
Giblin & Co IV
Globe Eng Co..... 346
Gude A & Bro 324
Gullett W H & Sons 325
Gundestrup K & Co. II
Gurney Heater Co... IV
Guttman Alex J.....323
Hammond's Paint & Slug Shot Works. 345
Hansen M A 324
Hart Jas 323
Hartje John.....333
Hauswirth P J 324
Heller & Co 336
Henshaw A M.....323
Herbert D & Son .. 330
Herr Albert M 330 331 335
Herrmann A.....337
Hess E L.....327
Hess & Swoboda... 324
Hews A H & Co.....337
Hilfinger Bros. 337
Hill The E G Co.... I
Hippard E. III
Hitchings & Co. IV
Holm & Olson. 324
Holton & Hunkel Co 321
Hooker H M Co 338
Hort Advertiser 336
Hort Trade Journal..336
Humfeld C.....317
Hunt E H 319
Igoe Bros 346
Ionia Pottery Co 337
Jackson & Perkins Co.328
Jensen & Dekema . 319
Johnston Heating Co345
Journal des Roses ..317
Kasting W F..... I
Keller Geo & Son...337
Keller Pottery Co....337
Kellogg Geo M 324
Kennicott Bros Co..319
Kervan Co The.....323
Kessler P..... 323
King Jas. 329
King Construction Co III
Kohr A F 337
Koppelman E L & Co3-8
Kramer F H..... 325
Kramer I N & Son..337
Kroeschell Bros Co. 345
Kuehn C A..... 321
Kuhl Geo A.....330
Lager & Hurrell.....325
Lange A 324
Langjahr A H 323
Lecakes N & Co.....323
Leedle Floral Co....3-9
Levavasseur & Sons..329
Livingston Seed Co. 324 345
Lockland Lumb'r Co III
Lord & Burnham Co. IV
Matthews florist....325
McConnell Alex.....325
McCullough's J M Sons Co..... 321
McKellar Chas W...319
McKissick W E.... 321
Metropolitan Mat Co.346
Mayberry & Hoover 324
Mich Cut Flower Ex.317
Miller Theo.....325
Mills the Florist.....324
Moninger J C Co....III
Moon The Wm H Co 328
Moore Hentz & Nash 323
Morehead Mfg Co...336
Morse C C & Co..... II
Mosbaek L..... 330
Muno John 343
Murdoch J B & Co ..321
Murray Samuel.....324
Myers & Co.....326
Natl Flo Bd of Trade 323
N Y Cut Flower Ex .323
Niessen Leo Co 321
Niuffer C M.....329
Olbertz J 321
Pacific Seed Co.....327
Paducah Pottery... 337
Palethorpe P R Co..337
Palmer W J & Son..324
Park Floral Co..... 324
Pennock S S.....321
Perennial Gardens 'o327
Perfection Chem Co 345
Peterson Geo H.....329
Peterson's Nurs 328
Pierce F O & Co 346
Pierson F R Co..... I
Pierson U Bar Co....III
Pittsburg Cut Flo Co 321
Pittsburg Florist Ex .321
Pollworth C C Co ...324
Poehlmann Bros Co 319 331
Quaker City Machine Works.....346
Randall A L Co.....325
Rawson W W & Co.. II
Raynor J I 323
Ready Refer'nce Adv.339
Regan Print House..III
Reinberg Peter..319 330
Rice Bros. 317
Rice James H Co ...336
Robinson H M & Co 317
Roehrs Julius Co.....333
Sander & Son 322
Scheiden & Schoos..345
Schilo Adam 338
Schultheis Anton....335
Schulz Jacob 325
Scott John 317
Seligman Jno.....323
Sharp Partridge & Co 345
Sheridan W F..... 323
Sinner Bros. 319
Situations & Wants. 315
Skidelsky S S 331
Smith Nathan & Son.335
Smith W & T Co.... I
Smits Jacs.....328
Sprague Smith Co...336
Staer J 328
Standard Pump & Engine Co. IV
Stearns Lumber Co.. IV
Stenzel Glass Co....338
Stern J & Co.....336
Stokes Seed Store ..327
Stoothoff H A & Co 337
Storrs & Harrison Co328
Styer J J..... II
Sunnyside Grhs.... 333
Swisher Bros.....346
Syracuse Pottery Co 337
Taylor F G Seed Co. II
Thompson J D Carnation Co..... I
Thorburn J M & Co. II
Totty Chas H 323
Traendley & Schenck323
VanHoutte Pere Sons333
Van Mol Julius 327
Vaughan & Sperry...319
Vaughan's Seed Store .....I II 317 327 331
Vick's Sons Jas II
Vincent R Jr & Son. 335
Virgin U J 324
Weathered & Co 336
Weber F C 324
Weber H & Sons....333
Weeber & Don II
Weiland & Risch....319
Welch Bros.....321
Whilldin Pot Co.... 337
Wiboltt R..... II
Wietor Bros.....319
Wild Bros Nursery Co 329
Wild C & M.....329
Wild Gilbert H.....329
Wilson Andrew 345
Wilson Robt G..... 324
Winandy Bros 336
Winterson B P Co....330
Wittbold Geo Co 319 335
Wolf A Q & Bro.....338
Wolf John.....330
Wood Bros.....325
Wrede H II
Young A L & Co.... 323
Young Thos 323
Zech & Mann.....319

The New **WOLF PIPE Ventilating MACHINES**

Uses all roller bearing hangers, circular cut gear steel arms, furnished for all kinds of houses

A. Q. WOLF & BRO., Dayton, Ohio.

H. M. HOOKER CO.

Window Glass, Paints and Putty. Greenhouse Glass a Specialty.

59 W. Randolph St., CHICAGO.

Please mention the American Florist when writing.

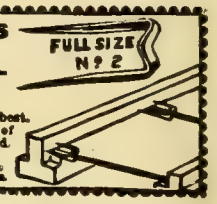
STENZEL GLASS CO.,

GREENHOUSE GLASS.

French and American "WHITE ROSE" Brand.

2 Hudson St., NEW YORK.

Holds Glass Firmly See the Point **PEERLESS**



Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts postpaid.

HENRY A. DREER, 714 Chestnut St., Phila., Pa.

—THE—

Florists' Hail Association

Insures over 23,000,000 square feet of glass. for particulars address

JOHN G. ESLER, Sec'y, SADDLE RIVER, N. J.

Please mention the American Florist when writing.

Tobacco Dust

FOR FUMIGATING.

It would pay large users of dust to communicate with us and get samples and prices.

Edwin L. Koppelman & Co., 81 PINE STREET, NEW YORK.

Please mention the American Florist when writing.

LUMBER for Greenhouse Benches, Ship Lap, Drop Siding, Sheathing, Flooring, White Cedar Posts, Etc.

We are in special position to furnish **"PECKY CYPRESS"** everything in **PINE** and **HEMLOCK BUILDING LUMBER.** WRITE FOR PRICES.

Adam Schillo Lumber Co. Cor. Weed and Hawthorn St., **CHICAGO.** Tel. North 1626 and 1627.

Please mention the American Florist when writing

AMERICAN FLORIST ADVERTISING RATES.

Our advertising rates are 4s 2d per inch, single column width, £6 3s 3d per page of thirty inches, with discounts on consecutive insertions as follows:

6 insertions..... 5 per cent.	26 insertions.....20 per cent.
13 insertions.....10 per cent.	52 insertions.....30 per cent.

Space on front pages and back cover page is sold only on yearly contract at 4s 2d per inch net. Remit by foreign postoffice money order.

ANZEIGERATEN DES AMERICAN FLORIST.

Unsere Anzeigeraten sind: für den Zoll der einzelnen Spalte, $1.00 (M. 4.17); für die Seite, 30 Zoll, $30 (M. 125). Bei mehrmaligen Einrückungen werden Diskontoraten gewährt, wie folgt:

6 Einrückungen..... 5%;	26 Einrückungen.....20%;
14 Einrückungen.....10%;	52 Einrückungen.....30%

Raum auf den vorderen Seiten und auf der Rückseite des Umschlages wird nur in Jahreskontrakten und zu $1.00 (M. 4.17) den Zoll netto abgegeben. Zahlungen sind mittels Postanweisung erbeten.

TAUX D'ANNONCES DANS L'AMERICAN FLORIST.

Nos taux d'annonces sont $1.00 (Frs. 5-15) par pouce, largeur simple colonne, $30.00 (Frs. 154-50) par page de trente pouces avec escomptes sur les insertions consécutives, comme suit:

6 insertions.....5 pour cent.	26 insertions.....20 pour cent.
13 insertions.....10 pour cent.	52 insertions.....30 pour cent.

La place occupée par des annonces sur la première et la dernière couverture ne s'accorde que par contrat annuel au taux de $1.00 (Frs. 5-15), net, par pouce. Faites remise par Mandat-poste International.

Ready Reference Advertising.

ADVERTISEMENTS IN THIS DEPARTMENT 10 CENTS PER LINE, CASH WITH ORDER. COPY MUST REACH US MONDAY OF THE WEEK IN WHICH IT IS TO APPEAR

ALTERNANTHERAS.

Alternantheras, red and yellow, $2 per 100; $15 per 1,000. R. Vincent, Jr., & Son, White Marsh, Md.

AMPELOPSIS.

Ampelopsis. Jackson & Perkins Co., Newark, N. Y.

ANTHERICUM.

Anthericums. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

ARAUCARIAS.

Araucarias, Excelsa, 12 to 14 ins., 5½-in. pots, 3 to 4 trs., 2-yr., 50c; 14 to 16 ins., 5½-in. pots, 3 to 4 trs., 2-yr., 60c; 16 to 18 ins., 5½ to 6-in. pots, 4 to 5 trs., 3-year, 75c; 18 to 20 ins., 6-in. pots, 5 to 6 trs., 4-yr., $1; 20 to 24 ins., 6-in. pots, 5 to 6 trs., 4-yr., $1.25; 36 to 50 ins., Specimen, 7-in. pots, 5 to 6 trs., 6-yr., $2.50 to $3. A. Compacta Robusta, 12 to 20 ins. high, 3 to 4 trs., 20 to 30 ins., 4 to 5-yr., 6 to 7-in., $1.25, $1.50, $1.75, $2 up to $3 each. A. Excelsa Glauca, 6 to 7-in. pots, 3, 4 and 5 trs., 15 to 25 ins., $1.25, $1.50, $1.75, $2, $2.50 each. G. Aschmann, 1012 Ontario St., Philadelphia.

Araucaria Excelsa, 4-in., 2 to 3 trs., 35c each; $4 per doz.; 5-in., 3 trs., 75c each; $9 per doz.; 6-in., 3 to 4 trs., $1 each; $12 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Araucarias. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

Araucaria Excelsa. R. Dreyer, Woodside, L. I., N. Y.

Araucarias. L. Van Houtte Pere, Ghent, Belgium.

ASPARAGUS.

Asparagus plumosus, 2-in., $3 per 100; 3-in., $6. Sprengeri, 2-in., $3 per 100; 3-in., $6; 4-in., $1.25 per doz.; 5-in., $2. Scandens Defi, 3-in., $1.50 per doz.; 4-in., $2 per doz. George Wittbold Co., 1657 Buckingham Pl., Chicago.

Asparagus plumosus nanus, 2¼-in., $2 per 100; seedlings, $1 per 100; $9 per 1,000, or will exchange for some white carnations from field. H. L. Lauscher, Knoxville, Tenn.

15,000 Asparagus plumosus nanus. Fine young plants from 2¼-in. pots, worth $3, to close out, $1.50 per 100; $15 per 1,000. The W. T. Buckley Co., Springfield, Ill.

Asparagus, 2½-in., plumosus, $3.50 per 100; $30 per 1,000. Sprengeri, $3 per 100; $25 per 1,000; field clumps, $6 per 100. J. W. Dunford, Clayton, Mo.

Asparagus plumosus and Sprengeri, 2-in., $3 per 100; $25 per 1,000; from bench, $2.50 per 100; $20 per 1,000. Wm. Clark, Colorado Springs, Col.

Asparagus plumosus plants just as they come from the flats, $1 per 100; $8 per 1,000 plants. B. H. Haverland, Pleasant Run, Ohio.

Asparagus plumosus and Sprengeri, 4-in., $10; 3-in., $5; 2¼-in., $2.50 per 100. Seedlings, $10 per 1,000. Ludvig Mosbaek, Onarga, Ill.

Asparagus plumosus, 2¼-in., $2 per 100. Seedlings, $1. Sprengeri seedlings, $1 per 100. Jos. H. Cunningham, Delaware, O.

Asparagus plumosus, 2-in., $3; 6-in., $35. Sprengeri, 4-in., $7. W. H. Gullett & Sons, Lincoln, Ill.

Asparagus, strong 2½-in. plumosus plants at $2 per 100. J. W. Munk & Son, Mt. Gilead, Ohio.

Asparagus plumosus, 2¼-in., $3 per 100. John Scott, Rutland Rd. and 45th St., Brooklyn, N. Y.

Asparagus plumosus, 3-in., 6c; 4-in., 10c. G. Aschmann, 1012 Ontario St., Philadelphia.

Asparagus plumosus. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

Asparagus plumosus and Sprengeri, 2-in., 2c. Byer Bros., Chambersburg, Pa.

Asparagus plumosus and Sprengeri. Geo. A. Kuhl, Pekin, Ill.

Asparagus robustus, $5 per 100; $40 per 1,000. Sprengeri, $2 per 100; $15 per 1,000. A. M. Herr, Lancaster, Pa.

Asparagus Sprengeri, 3-in., $5 per 100. Plumosus, 3-in., $6 per 100; 2-in., $2.50 per 100; $20 per $1,000. Wm. F. Kasting, 383 Ellicott St., Buffalo, N. Y.

Asparagus Sprengeri, 3-in., $4 per 100; $35 per 1,000. Plumosus, 3-in., $5 per 100; $45 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Asparagus Sprengeri, 2-in., $20 per 1,000. Plumosus, 2½-in., $30 per 1,000. E. G. Hill Co., Richmond, Ind.

Asparagus Sprengeri, 2-in., $2.50 per 100; plumosus, 2-in., $3 per 100. Geo. M. Emmans, Newton, N. J.

ASPIDISTRA.

Aspidistras, all sizes. Write for prices. Frank Huntsman, Cincinnati, O.

Aspidistras. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

AZALEAS.

Azaleas. L. Van Houtte Pere, Ghent, Belgium.

Azaleas, Jacs Smits, Ltd., Naarden, Holland.

BAY TREES.

Bay trees. A. Schultheis, 19th and 4th Ave., College Point, L. I., N. Y.

Bay trees, fine stock. R. Dreyer, Woodside, L. I., N. Y.

Bay trees. L. Van Houtte Pere, Ghent, Belgium.

BEGONIAS.

Begonia Rex. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

Begonia Rex, 2 and 2½-in., $5 per 100 Geo. M. Emmans, Newton, N. J.

Rex begonias, 3-in., 6c. Byer Bros., Chambersburg, Pa.

Begonias. L. Van Houtte Pere, Ghent, Belgium.

BOUVARDIAS.

Bouvardias, pink and white, 8 per 100. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

BOXWOOD.

Boxwood pyramids. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

BULBS, ROOTS, TUBERS.

Bulbs, hyacinths, white, $2.50 per 100; $23 per 1,000; Dutch, named, $2 per 100; $17.50 per 1,000; mixed, $2.50 per 100; $22.50 per 1,000; named, 1st size, $6.25 per 100; $60 per 1,000; 2nd size, $4.25 per 100; $40 per 1,000. Tulips, single, separate colors, $1 per 100; $8.50 per 1,000; extra mix., 90c per 100; $7.50 per 1,000; fine mixed, 75c per 100; $6 per 1,000 double, separate colors, $1.15 per 100; $10 per 1,000; extra mix., $1 per 100; $8.50 per 1,000; mixed, 85c per 100; $7 per 1,000. Narcissus, Von Sion, double nosed, $2.25 per 100; $20 per 1,000; 1st size, $1.60 per 100; $14.50 per 1,000; 2nd size, $1.25 per 100; $10 per 1,000. Paper White, 90c per 100; $8 per 1,000; grandi., $1.25 per 100; $10 per 1,000. Callas, 1½ to 2 diam., $6 per 100; $55 per 1,000; 2 to 3 diam., $10 per 100; $95 per 1,000. Freesias, ¾-in. diam., 85c per 100; $7.50 per 1,000; mammoth, $1.25 per 100; $10 per 1,000. Perennial Gardens Co., Toledo, O.

Bulbs, home-grown freesias, large size, $1 per 100; $7 per 1,000; blooming size, 75c per 100; $4.50 per 1,000; small blooming size, 50c per 100; $3.50 per 1,000. Stokes Seed Store, 219 Market St., Philadelphia.

Bulbs, Callas, 1¼ to 1½ in., $5 per 100; $45 per 1,000; 1½ to 2 in., $7 per 100; $65 per 1,000, Roman Hyacinths, Paper Whites and freesias. Vaughan's Seed Store, Chicago and New York.

Bulbs, gladioli, caladium, lilies. Gladiolus America, $10 per 100; $75 per 1,000. John Lewis Childs, Floral Park, L. I., N. Y.

Bulbs. L. Harrisii. R. hyacinths. P. W. narcissus, freesias. Weeber & Don, 114 Chambers St., New York.

Bulbs, hyacinths, tulips, narcissus, crocus, lilies, etc. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs, Narcissus Empress and Henry Irving, Candidum lilies. E. F. Winterson Co., 45 Wabash Ave., Chicago.

Bulbs of all kinds. Currie Bros. Co., 308 Broadway, Milwaukee, Wis.

Bulbs of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Cannas, Express and Oscoda, 2 and 3 eye, $1.50 per doz.; $10 per 100. Nathan Smith & Son, Adrian, Mich.

Cannas, 5 vars., field-grown clump, $15 per 100. Jos. H. Cunningham, Delaware, O.

Cannas of all vars. Dingee & Conard Co., West Grove, Pa.

Cannas in var. Ludvig Mosbaek, Onarga, Ill.

Cannas, John Wolf. Ott and Anderson St., Savannah, Ga.

Iris, German, mixed vars., $2 per 100. James Vick's Sons, Rochester, N. Y.

Lily of the valley, finest cold storage pips. H. N. Bruns, 1409-1411 W. Madison St., Chicago.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Phlox, hardy, Marie Stuart, Princess Louise, $3 per 100; $25 per 1,000. Brilliant, Lumineaux, Eclaireur, Dora Wingeller, $4 per 100; $35 per 1,000. Meteor, $5 per 100. Coquelicot, $6 per 100. Cottage Gardens Co., Queens, L. I., N. Y.

CACTI.

Cacti. All the Mexican varieties are sold by J. Balme & Co., Mexico City, P. O. Box 628. Illustrated and descriptive culture catalogue sent on receipt of 10c in postage stamps. Price list free.

CAMELLIAS.

Camellias. Julius Roehr's Co., Rutherford, N. J.

CARNATIONS.

Carnations, field-grown, Lawson, Estelle, $5 per 100; $40 per 1,000. Nelson, F. Hill, G. Angel, $3 per 100; $25 per 1,000. N. Fisher, Enchantress, Fiancee, $7 per 100; $60 per 1,000. Mrs. Patten, Lady Bountiful, $6 per 100; $50 per 1,000. M. Glory, $4 per 100; $30 per 1,000. B. Market, $4 per 100; $35 per 1,000. Queen Louise, Mrs. Ine, Higinbotham, Armazindy, W. Cloud, $3 per 100; $25 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

CARNATIONS.

	100	1,000		100	1,000
Pink.			White.		
Fiancee	$6		B. Market	$5	$45
Lawson	6	$50	F. Burki	7	60
N. Fisher	7	60	F. Hill	5	45
G. Angel	4	35	W. Cloud	5	45
M. Glory	4	35	Red and Crimson.		
White.			Chicago	$5	$45
L. Peary	8	75	H'warden	6	50

Wietor Bros., 51 Wabash Ave., Chicago.

Carnations, field-grown. E. T. Grave, Richmond, Ind.

If you do not find what you need in our Ready Reference Department, write us about it.

Carnations, Lawson, B. Market, $5 per 100; $40 per 1,000. Nelson F. Hill, Sports, Ine, $4 per 100; $30 per 1,000. Enchantress, $6 per 100; $55 per 1,000. W. Cloud, $4 per 100; $35 per 1,000. Harlowarden, $5 per 100; $45 per 1,000. Crusader, $6 per 100; $50 per 1,000. Scheiden & Schoos, Asbury and Warren, Evanston, Ill.

Carnations, fine plants:

Per 100		Per 100
Enchantress.	$6.00	Boston M'ket. $5.00
The Belle....	6.00	Red Sport of Maceo 4.00
Fair Maid ...	6.00	Mrs. Patten.. 5.00
Sunbird	6.00	Joost 5.00

large field-grown

A. C. Canfield, Springfield, Ill.

Carnations, field-grown, Lady Bountiful, W. Lawson, Cardinal, Skyrocket, $7 per 100; $60 per 1,000. Enchantress, $7 per 100. Mrs. Lawson, Crusader, $6 per 100; $50 per 1,000. Fair Maid, $6 per 100. Glendale, $12 per 100; $100 per 1,000. Prosperity, Harlowarden, $5 per 100; $40 per 1,000. Chicago Carnation Co., Joliet, Ill.

Carnations, Enchantress, Flamingo, $5 per 100; $45 per 1,000. N. Fisher, $5.50 per 100; $50 per 1,000. Prosperity, Harlowarden, Crane, $4.50 per 100; $40 per 1,000. M. Glory, Glacier, P. Lawson, $4 per 100; $35 per 1,000. Blanksma Bros., Grand Rapids, Mich.

Carnations, Lawson, F. Hill, $5 per 100; $45 per 1,000. B. Market, $6 per 100; $50 per 1,000. Crusader, $7 per 100. M. Glory, Norway, Prosperity, $5 per 100; $40 per 1,000. G. Angel, Peru, Glacier, $4.50 per 100; $40 per 1,000. Crabb & Hunter, Grand Rapids, Mich.

Carnations, field-grown, Cardinal, Buttercup, $7 per 100. Crisis, Flamingo, Roosevelt, Queen, M. A. Patten, $6 per 100. Queen Louise, F. Hill, Portia, Prosperity, Eldorado, Crocker, Dorothy, $5 per 100. J. L. Dillon, Bloomsburg, Pa.

Carnations, Flamingo, Prosperity, Wolcott, Harlowarden, $6 per 100; $50 per 1,000. B. Market, $4.50 per 100; $40 per 1,000. Q. Louise, $4 per 100; $35 per 1,000. Norway, $4 per 100; $30 per 1,000. J. W. Dunford, Clayton, Mo.

Carnations, field-grown, 500 Enchantress, $6 per 100. 500 Lawson, 1,000 W. Cloud, 800 Sports, $4 per 100. 500 Estelle, 100 Harlowarden, $5 per 100. Geo. Wittbold Co., 1657 Buckingham Place, Chicago.

Carnation plants, field grown, Lawson, Joost, Prosperity, Queen Louise, Boston Market, Flamingo, Harry Fenn, Lord, Enchantress, Queen, $5 per 100; $45 per 1,000. Holton & Kunkel Co., Milwaukee, Wis.

Carnations, field plants, Nelson Fisher, small, 6c; Robert Craig, med., 12c; Victory, med., 12c; Mrs. Lawson, large, 6c; Abundance, small, 8c. Vaughan's Seed Store, Chicago and New York.

Carnations, Q. Louise, Prosperity, Harlowarden, America, Wolcott, Her Majesty, Estelle, $5 per 100. Lady Bountiful, $7 per 100. Joost, Kohinoor, $4 per 100. C. H. Frey, Lincoln, Neb.

Carnations, 2nd size, Enchantress, Crusader, B. Market, Nelson, P. Lawson, W. Cloud, G. Angel, $20 per 1,000. Brant & Noe Floral Co., W. Peterson and N. 48th Ave., Chicago.

Carnations, Lawson, Wolcott, $6 per 100; $55 per 1,000. B. Market, W. Cloud, Norway, F. Hill, Joost, Lord, $5 per 100; $45 per 1,000. W. H. Gullett & Sons, Lincoln, Ill.

Carnations, field-grown, Patten, Fiancee, Cardinal, Sunbird, Fair Maid, $5 per 100. Belle, $6 per 100. Prospector, $4 per 100. S. S. Skidelsky, 824 N. 24th St. Philadelphia

Carnations, extra strong, healthy plants, the following varieties at $3 per 100: 500 Queen Louise, 100 Wolcott, 100 Lawson, J. W. Munk & Son, Mt. Gilead, Ohio.

Carnations, field-grown, No. 1 stocky plants, Lawson, Mrs. Nelson, Harlowarden, Joost, Norway, $5 per 100. William L. Rock Flower Co., Kansas City, Mo.

Carnations, Abundance, field-grown, 1st size, $12 per 100; $100 per 1,000; 2nd size, $10 per 100; $75 per 1,000. R. Fischer, Great Neck, L. I., N. Y.

Carnations, 2,000 Lawson, 300 Enchantress, 500 B. Market, 200 L. Bountiful, 300 Crane. Good plants, at $3 per 100. Cash. Kring Bros., Fairbury, Ill.

Carnations, B. Market, F. Hill, Q. Louise, Pink Lawson, M. Glory, W. Cloud, Crane, $4 per 100. Sunnyside Greenhouses, Owosso, Mich.

Carnations, Enchantress, Fiancee, $5 per 100; $45 per 1,000. Lawson, $4 per 100; $35 per 1,000. John Muno, Rogers Park, Chicago, Ill.

Carnations, field-grown, Crane, Prosperity, Joost, Queen Louise, Boston Market, $3 per 100. Fine plants. Thos. Salveson, Petersburg, Ill.

Carnation plants. About 750 Wolcott, short stocky plants that will please, $5 per 100. Henry F. Piggott, 2311 Pearl St., Cleveland, O.

Carnation Victory, field-grown, 1st size, $15 per 100; 2nd size, $12; 3rd size, $10. Guttman & Weber, 43 W. 28th St., New York.

Carnations, Enchantress, $5 per 100; $45 per 1,000. Mrs. T. Lawson, $4.50 per 100; $35 per 1,000. Eli Cross, Grand Rapids, Mich.

Carnations, Enchantress, Lawson, Q. Louise, $5 per 100. Pittsburg Florists' Exchange, 228 Diamond St., Pittsburg, Pa.

Carnations, Wolcott, Prosperity, Fiancee, $4 per 100; $35 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Carnations, Enchantress, $6; Prosperity, G. Lord, Q. Louise, Estelle, $5. Central Greenhouses, Sandusky, O.

Carnations, Lady Bountiful and Phyllis. E. F. Winterson Co., 45 Wabash Ave., Chicago.

Carnations, Candace, $12 per 100. John Hartje, 3129 N. Illinois St., Indianapolis, Ind.

Carnation Mabelle, new, $12 per 100; $100 per 1,000. H. Weber & Sons Co., Oakland, Md.

Carnations, field-grown, standard vars. Leo. Niessen Co., 1217 Arch St., Philadelphia.

Carnations, White Perfection, $12 per 100. F. Dorner & Sons Co., La Fayette, Ind.

Carnations, Queen Louise, $4 per 100. Jos. H. Cunningham, Delaware, O.

Carnations, Harry Fenn, $4.50 per 100. A. M. Herr, Lancaster, Pa.

Carnation Robert Craig. J. D. Thompson Carnation Co., Joliet, Ill.

Carnations, field-grown. H. Weber & Sons Co., Oakland, Md.

Carnation, Bertha Ruth. R. Dreyer, Woodside, L. I., N. Y.

Carnations, for fall delivery. Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

Chrysanthemums, G. of Pacific, Polly Rose, Soleil d'October, Robinson, Ivory, Appleton, Pink Ivory, $3 per 100. J. Jones, Mrs. Robert McArthur, Mrs. Coombes, G. Wedding, Yellow Eaton, Monrovia, $4 per 100. Lady Roberts, A. J. Balfour, Wm. H. Chadwick, $6 per 100. Glenview, $25 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Chrysanthemums. Time yet to secure a crop of Xmas bloom; also a crop of dollars by planting the queen of late 'mums, Jeanne Nonin. Only a few thousand left of our immense stock, 4-in., 10c; 2½-in., 5c; R. C., 3c, and going fast. W. J. Olds, Union City, Pa.

Chrysanthemums, 5,000 best sorts, 2½-in. pot plants. Benj. Connell, Wes Grove, Pa.

Chrysanthemums, 2-in., $2 per 100; $18 per 1,000. C. Humfeld, Clay Center, Kan.

Chrysanthemum novelties. Chas. H. Totty, Madison, N. J.

Chrysanthemums. Wood Bros., Fishkill, N. Y

CIBOTIUMS.

Cibotium Schiedei. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

COBOEA.

Coboea Scandens, 4-in., $8 per 100. Godfrey Aschmann, 1012 Ontario St., Philadelphia, Pa.

CROTONS.

Crotons. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

Crotons. Julius Roehr's Co., Rutherford, N. J.

DAHLIAS.

Dahlias, Improved Countess of Lonsdale, cactus type, 6 for $1; $1.75 per doz., $12 per 100. Arthur T. Boddington, 342 W. 14th St., New York.

Dahlia roots. R. Vincent, Jr. & Son, White Marsh, Md.

DAISIES.

Daises, white and yellow, $1 per 100; $8 per 1,000. C. Humfeld, Clay Center, Kan.

Daises. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

DEUTZIAS.

Deutzias, in variety. W. & T. Smith Co., Geneva, N. Y.

DRACAENAS.

Dracæna fragrans, 5-in., 50c each; $5 per doz.; D. indivisa, 2-in., $2.50 per 100; 6-in., 20 to 26 ins., 50c each; $5 per doz.; 7-in., 30 to 34 ins., 75c each; $9 per doz. D. Mass., 8-in., $2 each; 9-in., $3 each. D. Ter., 4-in., 25c each; $3 per dozen; 5-in., 35c each; $4.20 per dozen. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Dracæna indivisa, field-grown, 5-in., $15 per 100; 6-in., $25 per 100. Storrs & Harrison Co., Painesville, O.

Dracæna Terminalis and Fragrans. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

Dracæna indivisa, 4 and 5 in., $10 and $25 per 100. Geo. M. Emmans, Newton, N. J.

Dracæna Ind., 3-in., $5; 4-in., $10. Ludvig Mosbaek, Onarga, Ill.

Dracænas. Julius Roehr's Co., Rutherford, N. J.

FERNS.

Ferns, prepaid, Boston, 4-in., 18c; 5-in., 30c; 6-in., 45c; 8-in., $1.25; 10-in., $1.75; Pierson fern, 4-in., 20c; 5-in., 35c; 6-in., 50c; 8-in., $1.50; 10-in., $2 each. Anna Foster, same prices as Pierson fern. N. Wittboldi and N. Washingtoniensis, 2½-in., 6c; 3-in., 12c; 4-in., 25c; 6-in., 50c; 8-in., $2 each. N. Barrowsii, 2½-in., 8c; 3-in., 25c; 4-in., 40c; 6-in., 75c; 8-in., $2.50; 10-in., $4 each. N. Whitmani, 2½-in., 25c; 4-in., 60c; 6-in., $1.25 each. N. Elegantissima, 2½-in., 8c each. B. N. Wichers & Co., Gretna, La.

Ferns, Adiantum Capillus, 5-in., $2 per doz. Boston, 4-in., $1.50 per doz.; 5-in., $3; 6-in., $4.20; 6-in., strong, $6; 7-in., $9. Large specimens, $1.50, $2, $3 each. Assorted ferns for dishes, $3 per 100; $25 per 1,000. Scottii, 10-in., $2 each. Fern Balls, 7 to 9 dormant or in leaf, $4.20 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Ferns, Anna Foster, Boston, Piersoni and Sword, 6-in., $40 per 100; $6 per doz.; 4-in., $15; 3-in., $8. Elegantissima, 4-in., $40; 3-in., $15; 2¼-in., $10 per 100. Boston and Piersoni runners, $30 per 1,000. Ludvig Mosbaek, Onarga, Ill.

Ferns, N. Barrowsii, 6-in., 50c; 4-in., 25c. Scottii, 6-in., 50c; 5½-in., 40c; 5-in., 35c; 4-in., 20c to 25c. Boston, 4-in., 20c to 25c. Ferns for dishes, 2½-in., $5 per 100; 3-in., 7c. G. Aschmann, 1012 Ontario St., Philadelphia.

Ferns, Boston and Piersoni, 4-in., 10c; 5-in., 12½c; Boston, 6 and 7-in., 15c; 3-in., 5c; Tarrytown, 3-in., 10c; 4-in., 15c; 5-in., 25c; Scottii, 3-in., 5c; 4-in., 12½c; 5-in., 15c. Byer Bros., Chambersburg, Pa.

Ferns, Anna Foster, Boston, Piersoni and Sword, 6-in., $40 per 100; $6 per doz., 4-in., $15; 3-in., $8. Elegantissima, 4-in., $50; 3-in., $20; 2¼-in., $12 per 100. Boston and Piersoni runners, $30 per 1,000. Ludvig Mosbaek, Onarga, Ill.

If you do not find what you need in our Ready Reference Department, write us about it.

Ferns, Boston, true type, fine 3-in. plants ready for shift, $8 per 100. Nephrolepis Cordata Compacta, 6-in., 25c; 5-in., 15c each. Cash from unknown correspondents. James Truitt & Sons, Chanute, Kas.

Ferns, Scottii, small plants from benches, $5 per 100; $50 per 1,000. Plants for 6-in. pots, $25 per 100; plants for 7 and 8-in. pots, $50 per 100. John Scott, Rutland Rd. and 45th St., Brooklyn, N. Y.

Ferns, N. Personi, Elegantissima, 2¼-in. pots, $12 per 100; specimen plants, 6-in., $1 each; 8-in., $2; 10-in., $3; 12-in., $5; 14-in., $7.50; 16-in., $10. F. R. Pierson Co.,Tarrytown-on-Hudson, N. Y.

Ferns, Bird's Nest, Scottii, Elegantissima, Piersoni, Boston, Johnsoni, Fern balls. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

Ferns, N. Whitmani, 2¼-in., $25 per 100. Boston, 2¼-in., $3 per 100. H. H. Barrows & Sons, Whitman, Mass.

Ferns, Boston, Barrowsii, Whitmani, Piersoni, Elegantissima, Scottii, Maidenhair. Geo. A. Kuhl, Pekin, Ill.

Ferns, Boston, 5-in., 30c each. Piersoni, 6-in., 50c each. Geo. M. Emmans, Newton, N. J.

Ferns, from $2 to $24 per doz. in 2 to 6-in. pots. C. H. Totty, Madison, N. J.

Ferns, Bostons, splendid stock at 25c. Holton & Hunkel Co., Milwaukee, Wis.

Fernery ferns, 2½-in. at $3 per 100. Holton & Hunkel Co., Milwaukee, Wis.

Ferns, Boston, 4 and 5-in. John Wolf, Ott and Anderson St., Savannah, Ga.

Ferns, Boston, 5-in., $25. W. H. Gullett & Sons, Lincoln, Ill.

Ferns, all leading varieties. R. Dreyer, Woodside, L. I., N. Y.

Ferns, Farleyense. Julius Roehr's Co., Rutherford, N. J.

Ferns. J. Staer, Wohroonga, N. S. W., Australia.

FICUS.

Ficus elastica, 6-in., 50c each. G. Aschmann, 1012 Ontario St., Philadelphia.

Ficus. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

GARDENIAS.

Gardenia Veitchii. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

GERANIUMS.

Geraniums, from 2-in. pots. Alliance, Lemoine 1905, 25c each; $2 per doz. Fleuve Blanc, $1.50 per doz.; $10 per 100. Cactus, 4 vars., $2 per doz.; $15 per 100. Double Dryden, $1 per doz.; $5 per 100. Nutt, Le Pilote, Poitevine, Mme. Barney, Centaure, Kendall, Mme. Jaulin, Viaud, Mme. Charotte, 40c per doz.; $2 per 100; $18 per 1,000. Ville de Poitiers, M. de Castellane, Berthe de Presilly, M. Jolly de Bammeville, T. Meehan, 50c per doz.; $3 per 100; $25 per 1,000. R. Vincent, Jr., & Son, White Marsh, Me.

Geraniums, rooted cuttings, Nutt, Perkins, Buchner, Doyle, $1.25 per 100; $12.50 per 1,000. Viaud, Jaulin, Poitevine, L. Francis, Ricard, Castellane, Trego, $1.50 per 100; $15 per 1,000. Peter Henderson, $2 per 100; $20 per 1,000. Fleuve Blanc, $5 per 100; $50 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, S. A. Nutt, Castellane, John Doyle, Perkins, Double Gen. Grant, La Favorite, Poiteville, Mme. Salleroi, 2-in. pots, $2 per 100; 3-in. pots, $4 per 100. R. C., $1 per 100. Geo. M. Emmans, Newton, N. J.

Geraniums, Mrs. Hill, Poitevine, Trego, Buchner, strong 2½-in., $1.50 per 100. The W. T. Buckley Co., Springfield, Ill.

Geraniums, stock plants, standard vars., $6 per 100; $50 per 1,000. Ludvig Mosbaek, Onarga, Ill.

Geraniums, best vars., 2½-in., $2 per 100; $18 per 1,000. C. Humfeld, Clay Center, Kan.

Geraniums, Nutt, ready for 3-in., $2 per 100. A. M. Herr, Lancaster, Pa.

GLOXINIAS.

Gloxinias. L. Van Houtte Pere, Ghent, Belgium.

GREENS.

Greens, dagger and fancy ferns, $1 per 1,000. Bronze and green galax, $1 per 1,000; 10,000 lots, $7.50. Bouquet green, per 100 yds., $7. Laurel festooning, 5c and 6c per yd. Laurel wreaths, $3 per doz.; branch laurel, per bunch, 50c. Boxwood, per lb., 20c. Leucothoe sprays, per 100, $1. Green and Spaghnum moss, $1 per barrel. Lyrata (new). H. M. Robinson & Co., 8 Province St., Boston, Mass.

Greens, galax, leaves, ferns and leucothoe sprays, holly. Princess pine, all kinds of evergreens. Galax leaves, $1 per 1,000. N. Lecakes & Co., 53 W. 28th St., New York.

Greens, cut palmetto and cycas palm leaves, galax, leucothoe, ferns, mosses and all decorating exergreens. The Kervan Co., 20 W. 27th St., New York.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 52 W. 28th St., New York.

Greens, fancy ferns, $1 per 1,000. Galax, $1.25. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. A. J. Fellouris, 52 W. 28th St., New York.

Greens, smilax and all southern evergreens. E. A. Beaven, Evergreen, Ala.

Greens, fancy or dagger ferns, 75c. Perkins, Newark, N. J.

HIBISCUS.

Hibiscus Syriacus Meehani. P. J. Berckmans Co., Inc., Augusta, Ga.

HOLLYHOCKS.

Hollyhock, Myosotis, Pansies, all seeds. Hasslach & Roumanille, seed growers, St. Remy de Provence, France.

HONEYSUCKLES.

Honeysuckles, 4-in. pots, $8 per 100. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

HYDRANGEAS.

Hydrangeas, Hortensia and Otaksa, 6 to 7-in., $12 per 100; specimens for 10 to 12-in., $60 per 100. Storrs & Harrison Co., Painesville, O.

Hydrangea Otaksa, field-grown, $1.50 and $2 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Hydrangeas. Jackson & Perkins Co., Newark, N. Y.

IVY.

Ivy, hardy English, $2 per 100; $15 per 1,000. R. Vincent, Jr. & Son, White Marsh, Md.

Ivy, English. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

JERUSALEM CHERRIES.

Jerusalem cherries, 3½-in. in bloom, $4 per 100. J. W. Dunford, Clayton, Mo.

Jerusalem cherries, 3-in., $10 per 100. Geo. A. Kuhl, Pekin, Ill.

Jerusalem cherries, field-grown, 4-in., 3c. Byer Bros., Chambersburg, Pa.

MARANTAS.

Maranta Lietzii, 2½-in., $1 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

MUSHROOM SPAWN.

Mushroom Spawn, "Pure Culture" spawn, and importers of English mushroom spawn. Knud Gundestrup & Co., 4273 Milwaukee Ave., Chicago.

Mushroom spawn, Columbia, Alaska, Bohemia. Cochran Mushroom & Spawn Co., 911 Chemical Bldg., St. Louis, Mo.

Mushroom Spawn, superior strains of Pure Culture Spawn. E. L. Hess, 604 La Salle Ave., Chicago.

Mushroom Spawn, English and pure culture. Weeber & Don, 114 Chambers St., New York.

Mushroom Spawn, frequent importations from England. J. J. Styer, Concordville, Pa.

MYRTLE.

Myrtle, creeping, 2¼-in., $2.50 per 100; $20 per 1,000. Ludvig Mosbaek, Onarga, Ill.

NURSERY STOCK.

Nursery stock, hothouse, grape vines, fine, strong 2 and 3 year old canes, Black Hamburg, Muscat, Alexander and other varieties. Rose Hill Nurseries, New Rochelle, N. Y.

Nursery stock, dwarf and standard roses, rododendrons, clematis, conifers, ornamental trees and general nursery stock. Geo. Jackman & Son, Surrey, England.

Nursery stock, shade trees, fruit trees, small fruits, shrubs, clematis, Barberry Thunbergii. W. & T. Smith Co., Geneva, N. Y.

Nursery stock, trees and shrubs. Price list on application. Peterson's Nursery, 503 W. Peterson Ave., Chicago.

Nursery stock, fruit trees, evergreen and ornamental novelties. Levavasseur & Sons, Ussy and Orleans, France.

Nursery stock, evergreen and deciduous flowering shrubs and vines. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, pot-grown shrubs, conifers and ornamental stock. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, large trees, oak, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery Stock, ornamental trees and shrubs, eucalyptus. J. Staer, Wahroonga, N. S. W., Australia.

Nursery stock, plants and shrubbery of all kinds. Dingee & Conard Co., West Grove, Pa.

Nursery stock, fruit and ornamental trees. Wild Bros. Nursery Co., Sarcoxie, Mo.

ORCHIDS.

Orchids. All the Mexican varieties are sold by J. Balme & Co., Mexico City, P. O. Box 628. Illustrated and descriptive culture catalogue sent on receipt of 10c in postage stamps. Price list free.

Orchids, C. Dowiana, C. gigas, C. Mossiæ, C. Percivaliana, C. Speciosissima, C. Eldorado, C. superba, C. labiata, C. Leopoldii. Lager & Hurrell, Summit, N. J.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England; New York office, room 1, 235 Broadway.

Orchids, Cattleya Trianæ, Orchid peat. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

Orchids, Cattleya Gigas. Jno. De Bruck, Box 78, College Point, L. I., N. Y.

PALMS.

Palms, Areca lutescens, 5-in., 50c each; $5 per doz. Cocos, 2½-in., $1.50 to $1.75 per doz.; C. Bonetti, specimens, $40 each. Kentia Bel., 3-in., $2 per doz.; 5-in., 60c each, $7.20 per doz.; 6-in., xx, $1.25 each, $15 per doz.; Kentia Flors., 5-in., 60c each, $7.20 per doz.; 6-in., $1.25 each, $15 per doz.; 7-in., $2 each, $24 per doz. Phœnix Can., 2-in., $1 per doz.; 5-in., $5 per doz.; 10-in., $3 each; large specimens, $25 to $30 each. Phœnix Recli, 3½-in., $2 per doz.; 4-in., $3 per doz.; 6-in., 50c each, $6 per doz.; 7-in., 75c each. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Palms, Kentia Fors., 6-in. pots, 35 to 40 ins., $1.25; $1.50; 30 to 35 ins., 4-yr., $1; 5½-in., 25 to 30, 3-yr., 75c; 4-in., made-up, 3 plants to pot, 18 to 20 ins., 25c to 30c. K. Bel., 6-in., 5 to 6 leaves, 30 to 35 ins., $1.25; 5½ to 6 ins., 5 to 6 leaves, 75c to $1. K. Fors., 7-in., made-up, 22 to 24 ins., $2 each. Cocos Wed., 15c. Areca Lutescens, made-up, 4-in. pots, 25c. Cycas Revoluta, 6 to 7 in., 7 to 20 leaves, 10c per leaf. G. Aschmann, 1012 Ontario St., Philadelphia.

Palms. L. Van Houtte Pere, Ghent, Belgium.

If you do not find what you need in our Ready Reference Department, write us about it.

Palms, Kentia Fors. and Bel., Phœnix Can., Cycas Revoluta, Livistona sinensis, Areca Lutescens. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

Palms, Phœnix Rœbelenii, 4-in. pots, $80 per 100; 7-in., $4 each; seedlings, $5 per 100; $40 per 1,000. John Lewis Childs, Floral Park, L. I., N. Y.

Palms, Kentia, 3-in., $12. Phœnix Can., 4-in., $20 per 100. Ludvig Mosbaek, Onarga, Ill.

Palms of all kinds. R. Dryer, Woodside, L. I., N. Y.

Palms. J. Staer, Wahroonga, N. S. W., Australia.

PANDANUS.

Pandanus Veitchii. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

PANSIES.

Pansy plants, best plants in the market, 50c per 100; $3 per 1,000; transp., $1 per 100. H. L. Lauscher, Knoxville, Tenn.

Pansies, Intern. strain, seedlings, $3 per 1,000. Seed, $6 per oz.; ⅛ oz., $1 prepaid. Ludvig Mosbaek, Onarga, Ill.

Pansies, $3 per 1,000; 50c per 100. Jos. H. Cunningham, Delaware, O.

Pansies, giant prize, mixed colors, $3 per 1,000. Peter Brown, Lancaster, Pa.

PEONIES.

Peonies, Eclatante, Ne Plus Ultra, Rubra Triumphans, $2 per doz.; $12 per 100. Beresford, Delachii, Queen Victoria, Rosamond, Washington, $2.50 per doz.; $15 per 100. Delicatissima, $4.50 per doz.; Festiva Alba, $3.50 per doz.; $25 per 100. Festiva Maxima, La Tulipe, $5 per doz.; $35 per 100. Floral Treasure G. Harvest, $4.50 per doz.; $30 per 100. Globosa, $1.50 per doz.; $10 per 100. Grandi, Rubra, $4 per doz.; $20 per 100. Humei, $1.50 per doz.; $10 per 100. Marie Lemoine, $4 per doz.; $25 per 100. Offi. Rubra Plena, $1.50 per doz.; $8 per 100; $75 per 1,000. Somerset, $3 per doz.; $20 per 100. Mixed vars., per 100, $8; per 1,000, $75. James King Nursery, Elmhurst, Ill.

Peonies. We have an exceptional fine lot of peonies which we imported ourselves and are the sorts best suited to grow on for cut flowers. The famous Festiva Maxima being among them. We will close out this entire lot cheap. If interested write for prices immediately. First come, first served. E. F. Winterson Co., 45-47-49 Wabash Ave., Chicago.

Peonies, Dorchester, 3 and 5 eye div., $25 per 100. Queen Victoria, $12 per 100; $100 per 1,000. Storrs & Harrison Co., Painesville, O.

Peonies, Queen Victoria, $9 per 100. Festiva Maxima, $30 per 100; Fragrans, $6 per 100. G. H. Wild, Sarcoxie, Mo.

Peonies, 6 choice kinds, all colors, $8 per 100; $75 per 1,000. F. A. Baller, Bloomington, Ill.

Peonies. Wholesale grower of the best varieties. J. F. Rosenfield, West Point, Neb.

Peonies a specialty. Peterson Nursery, 503 W. Peterson Ave., Chicago.

Peonies, leading vars. Jackson & Perkins Co., Newark, N. Y.

Peonies, leading vars. Wild Bros. Nursery Co., Sarcoxie, Mo.

Peonies, 100 varieties. C. & M. Wild, Sarcoxie, Mo.

Peonies, all vars. Jacs Smits, Ltd., Naarden, Holland.

Peonies. W. & T. Smith Co., Geneva, N. Y.

Write for Peony Blue Book. Geo. H. Peterson, Box 71, Fair Lawn, N. J.

PEPPERS.

Peppers, 4-in., bushy, $12 per 100. Storrs & Harrison Co., Painesville, O.

Peppers, ready for 5-in., $10 per 100. Geo. A. Kuhl, Pekin, Ill.

POINSETTIAS.

Poinsettias, 2-in., $5; 3-in., $7.50; 4-in., $12.50. Geo. A. Kuhl, Pekin, Ill.

PRIMULAS.

Primulas, Chinensis, 2½-in., $3 per 100. Obconica Grand., 2½-in., $2.50 per 100. Storrs & Harrison Co., Painesville, O.

Primroses, obconica, fimbriata, alba, rosea, hybrida, $2 per 100. Mixed, 2-in., 2c. Byer Bros., Chambersburg, Pa.

Primroses, Chinese, 2¼-in., $2; obconica alba and rosea, $2. Jos. H. Cunningham, Delaware, O.

Primula obconica. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

Primrose, Baby, 2½-in. pots, 4c each. The Dingee & Conard Co., West Grove, Pa.

PRIVET.

Privet, California, the best. R. Dreyer, Woodside, L. I., N. Y.

RHODODENDRONS.

Rhododendrons. Jacs Smits, Ltd., Naarden. Holland.

ROSES.

Roses, Richmond, 2¼-in., $5 per 100; $40 per 1,000; 3½-in., $6.50 per 100; $55 per 1,000. Beauty, 3-in., $5 per 100; $40 per 1,000; 3½-in., $6.50 per 100; $55 per 1,000. Chatenay, Uncle John, 2½-in., $3.50 per 100; $30 per 1,000; 3½-in., $5 per 100; $45 per 1,000. G. Gate, 2½-in., $3.50 per 100; $30 per 1,000; 3½-in., $4.50 per 100. Kaiserin, 2½-in., $3.50 per 100; $30 per 1,000; Sunrise, 3½-in., $5.50 per 100; $50 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Roses, grafted, Killarney, 3½-in. pots, $18 per 100. Liberty, Kaiserin, Maids, Wootton, 3½-in., $12 per 100. Own root, Richmond, Perle, 3-in., $6 per 100. Bride, Maid, G. Gate, Kaiserin, Liberty, Wootton, 3-in., $4 per 100. J. L. Dillon, Bloomsburg, Pa.

Roses, Richmond, own root, 3-in., $50 per 1,000. Chatenay, 2½-in., $25 per 1,000. Maid, 3-in., $40 per 1,000; 2½-in., $25 per 1,000. E. G. Hill Co., Richmond, Ind.

Roses, 3½-in., Bride, Maid, Chatenay, Kaiserin, Richmond, $4 per 100; $35 per 1,000; 2½-in., Bride and Maid, $2. W. H. Gullett & Sons, Lincoln, Ill.

Roses, field-grown, Magna Charta, C. Rambler, P. Neyron, Dorothy Perkins, etc., $12 per 100; $100 per 1,000. Storrs & Harrison Co., Painesville, O.

Roses, Baby Rambler, grafted on briar roots, 8 to 14 ins., 3 to 6 shoots, $5 per 100; $46 per 1,000; $400 per 10,000. Rose stocks. Levavasseur & Sons, Ussy and Orleans, France.

Rose, Queen Beatrice, finest forcing pink, to be disseminated spring of 1907. F. H. Kramer, 916 F. St., N. W., Washington, D. C.

Roses, from 2½-in pots, Ivory, G. Gate, Bride, Maid, Chatenay. Mrs. J. W. Crouch, 709 Market St., Chattanooga, Tenn.

Roses, 2½-in., C. Rambler, etc., $2 per 100; $15 per 1,000. C. M. Niuffer, Springfield, O.

Roses, Liberty, 3-in., $5 per 100; 2¼-in., $4. Leo Niessen Co., 1217 Arch St., Philadelphia.

Roses, over 1,000 vars. on own roots, all sizes. Dingee & Conard Co., West Grove, Pa.

Roses, best 10 sorts, 2½ and 4-in. pots. Leedle Floral Co., Springfield, O.

Roses, Bride, 3-in., $4 per 100; $35 per 1,000. C. Humfeld, Clay Center, Kan.

Roses, field-grown for forcing. W. & T. Smith Co., Geneva, N. Y.

Roses, Bride, Maid, 3-in., $5 per 100. Ludvig Mosbaek, Onarga, Ill.

Roses, climbing plants. Jacs Smits, Ltd., Naarden, Holland.

Roses, from 3-in. pots. Wood Bros., Fishkill, N. Y.

Roses, Jackson & Perkins Co., Newark, N. Y.

Roses. Geo. A. Kuhl, Pekin, Ill.

SANSEVIERIAS.

Sansevieria Zeylanica var., 4-in., $15 per 100; 3-in., $8 per 100. Ludvig Mosbaek, Onargo, Ill.

Sansevieria Jav. Var., 4-in., $2 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

SEEDS.

Seeds, giant-flowered, cyclamen, German strain, white, dark crimson, Rosa von Marienthal, dark rose, white with carmine eye, white fringed, Rubin, per 1,000 seeds, $5; per 100, 65c. Salmon 100 seeds, $1.50. Giant flowered mixed, 100 seeds, 50c; 250, $1.15; 1,000, $4.50; 5,000, $20. Giant orchid-flowered, white, red, pink, white with carmine eye, lilac, each, 100 seeds, $1; 1,000, $9; orchid-fld., mixed, 25 seeds, 25c; 100, 85c; 1,000, $8. Rokoko, colors and mixed, 100 seeds, $2.50; 50, $1.35. New English grown, Rosy Morn, Picturatum, Grandi. Album, Excelsior, Princess May, Princess of Wales, Mauve Queen, Duke of Connaught, Duke of Fife, Salmon Queen, 100 seeds, $1; 1,000, $9 net. Fimbriatum, 100 seeds, $2.50. Vaughan's Seed Store, Chicago and New York.

Seeds, Asparagus, A. plumosus nanus. Northern greenhouse grown seed, 100 seeds, 60c; 250 seeds, $1.25; 1,000 seeds, $4.50. Southern greenhouse grown, 1,000 seeds, $2.50; 5,000 seeds, $10. A. plumosus robustus, 100 seeds, $1; 1,000 seeds, $9. Decumbens, 100 seeds, 50c; 1,000 seeds, $4. Comorensis, 100 seeds, $1; 1,000 seeds, $7.50. Cash discount 2 per cent. Vaughan's Seed Store, Chicago and New York.

Seeds, sweet peas, Earliest White, per pkt., (40 seeds) 25c; 5 pkts., 75c net. ½ size pkts., 15c; 2 pkts., 25c; 10 pkts., 75c. Burpee's Earliest of All, per oz., 10c; ¼ lb., 30c; per lb., $1. W. Atlee Burpee & Co., Philadelphia.

Seeds, L. C. Nungesser, Griesheim near Darmstadt, Germany, exporter and importer. Specialties: Selected grass and clover seeds, alfalfa of Provence and Turkestan; free from dodder and cuscuta. Crimson clover.

Seeds, Rawson's Continental, cyclamen, white, pink, red, white with claret base and mixed, 50c per 100 seeds; $4 per 1,000; Salmon pink, $2 per 100 seeds; $15 per 1,000. W. W. Rawson & Co., 5 Union St., Boston.

Seeds, cineraria, large fld., mixed and semi-dwf. mixed, tr. pkt., 50c. Pansy mixed, oz., $4.50; ¼-oz., $1.15; ⅛-oz., 60c. W. C. Beckert, 103 Federal St., Allegheny, Pa.

Seeds, all kinds, specialties, onion, carrot, lettuce, sweet peas. Pacific Seed Growers' Co., 109 Market St., San Francisco.

Mexican Plants, Seeds, etc., all the varieties are sold by J. Balme & Co., Mexico City. Orchids and cacti specialties.

Seeds, Asparagus plumosus, per oz., $1; per lb., $14; 5 lbs., $55; 10 lbs., $100. F. G. Taylor Seed Co., Glendale, Cal.

Seeds, choice strains, cineraria, calceolaria, cyclamen, pansy, petunia, etc. Jas. Vick's Sons, Rochester, N. Y.

Seeds, Asparagus plumosus, $3.50 per 1,000 seeds. J. M. Thorburn & Co., 33 Barclay St., New York.

Seeds, all kinds of vegetable and flower seeds. C. C. Morse & Co., 171 Clay St., San Francisco, Cal.

Seeds, 5,400 acres of garden seeds in cultivation. Braslan Seed Growers' Co., San Jose, Cal.

Seeds, Araucaria imbricata, $10 per 1,000. Jules Van Mol, rue Goffart 27, Brussels, Belgium.

Seeds, pansy, 1,000 seeds, mixed, 25c; 1 oz., $2.25. H. Wrede, Luneburg, Germany.

Seeds, Australian and Island. J. Staer, Wahroonga, N. S. W., Australia.

Seeds of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Seeds of all kinds. Stokes Seed Store, 219 Market St., Philadelphia.

Seeds. W. Atlee Burpee Co., Philadelphia, Pa.

Seeds, Snowball cauliflower. R. Wiboltt, Nakskov, Denmark.

SELAGINELLAS.

Selaginella Denticulata, 3-in., $1 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

If you do not find what you need in our Ready Reference Department, write us about it.

SMILAX.

10,000 Smilax. Good strong plants from 2¼-in. pots, to close out, 75c per 100; $6 per 1,000. The W. T. Buckley Co., Springfield, Ill.

1,000 Smilax. 3-in., fine stocky plants; cut-back, $2.00 per 100. Stover Floral Co., Grandville, Mich.

Smilax, 3-in., cut back, strings from these plants, $3 per 100; 2½-in., $2. W. H. Gullett & Sons, Lincoln, Ill.

Smilax, $2 per 100; $15 per 1,000. R. Vincent, Jr. & Son, White Marsh, Md.

Smilax, 2-in., $1.50 per 100; $12.50 per 1,000. C. Humfeld, Clay Center, Kan.

Smilax, 2-in. pots, $1 per 100. West End Greenhouses, Lincoln, Ill.

Smilax, $1 per 100; $9 per 1,000. Jos. H. Cunningham, Delaware, O.

Smilax. Wood Bros., Fishkill, N. Y.

SNAPDRAGONS.

Snapdragons, 3½-in., $5 per 100; $45 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

SPIREAS.

Spirea Van Houttei. W. & T. Smith Co., Geneva, N. Y.

Spireas. Jacs Smits, Ltd., Naarden, Holland.

VINCAS.

Vinca Var., from field, $5 per 100. Jos. H. Cunningham, Delaware, O.

VIOLETS.

Violets, Gov. Herrick, new single violet, good keeper; rooted cuttings, $2 per doz.; $10 per 100; $75 per 1,000; 5,000 or more, $60 per 1,000. H. R. Carlton, Willoughby, O.

Violets. Wood Bros., Fishkill, N. Y.

WHOLESALE CUT FLOWERS.

Commission Dealers.

Allen, J. K., 106 W. 28th St., New York.

Amling, E. C., 32-36 Randolph St., Chicago.

Berning, H. G., 1402 Pine St., St. Louis.

Cleveland Cut Flower Co., 215 Huron road, Cleveland, O.

Deamud, J. B., Co., 51 Wabash Ave., Chicago.

Flower Growers' Market, 60 Wabash Ave., Chicago.

Ford Bros., 48 W. 28th St., New York.

Froment, Horace E., 57 W. 28th St., New York.

Guttman, Alex. J., 43 W. 28th St., N. Y.

Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Henshaw, A. M., 52 W. 28th St., New York.

Horan, Edward C., 55 W. 28th., N. Y.

Hunt, E. H., 76 Wabash Ave., Chicago.

Kennicott Bros Co., 40-44 Randolph St., Chicago.

Kessler, Phil. F., 55 W. 26th St., N. Y.

Kuehn, C. A., 1122 Pine St., St. Louis.

Langjahr, Alfred H., 55 W. 28th St., New York.

McCullough's Sons Co., J. M., 316 Walnut St., Cincinnati, O.

McKellar, Chas. W., 51 Wabash Ave., Chicago.

McKissick, W. E., 1221 Filbert St., Philadelphia.

Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Murdoch, J. B. & Co., 545 Liberty Ave., Pittsburg, Pa.

N. Y. Cut Flower Ex., Coogan Bldg., 6th Ave. and W. 26th St., New York.

Niessen Co., Leo, 1217 Arch St., Phila.

Pennock, S. S., Philadelphia.

Pittsburg Cut Flower Co., Ltd., 504 Liberty Ave., Pittsburg, Pa.

Pittsburg Florists' Exchange, 217-223 Diamond St., Pittsburg, Pa.

Pollworth, C. C. Co., Milwaukee, Wis.

Randall, A. L. Co., 19 Randolph St., Chicago.

Raynor, John I., 49 W. 28th St., N. Y.

Rice Bros., 128 N. 6th St., Minneapolis, Minn.

Seligman, John, 56 W. 26th St., N. Y.

Sheridan, Walter F., 39 W. 28th St., New York.

Traendley & Schenck, 44 W. 28th St., New York.

Vaughan & Sperry, 58-60 Wabash Ave., Chicago.

Welch Bros., 15 Province St., Boston.

Winterson, E. F. Co., 45-49 Wabash Ave., Chicago.

Young, A. L. & Co., 54 W. 28th St., New York.

Young, Thos., 43 W. 28th St., N. Y.

Zech & Mann, 51 Wabash Ave., Chicago.

Growers.

Bassett & Washburn, 76-78 Wabash Ave., Chicago.

Benthey-Coatsworth Co., The, 35 Randoph St., Chicago.

Bruns, H. N., 1409-1411 W. Madison St., Chicago.

Budlong, J. A., 37-39 Randolph St., Chicago.

Elliott, W. H., Brighton, Mass.

Hill, The E. G. Co., Richmond, Ind.

Jensen & Dekema, 674 W. Foster Ave., Chicago.

Metairie Ridge Nursery Co., New Orleans, La.

Peacock Dahlia Farms, Atco, N. J.

Poehlmann Bros. Co., 35-37 Randolph St., Chicago.

Reinberg, Peter, 51 Wabash Ave., Chicago.

Sinner Bros., 60 Wabash Ave., Chicago.

Weiland & Risch, 59 Wabash Ave., Chicago.

Wietor Bros., 51 Wabash Ave., Chicago.

Wilcox, J. F., Council Bluffs, Iowa.

Wittbold, Geo. Co., 1657 Buckingham Place, Chicago.

RETAIL CUT FLOWERS.

Atlanta Floral Co., 41 Peachtree St., Atlanta, Ga.

Berterman Bros. Co., 241 Massachusetts Ave., Indianapolis, Ind.

Breitmeyer's, John, Sons, cor. Miami and Gratiot Aves., Detroit, Mich.

Cooke, George H., Connecticut Ave. and L St., Washington, D. C.

Daniels & Fisher, Denver, Col.

Donohoe, W. H., 2 W. 29th St., N. Y.

Eyres, H. G., 11 N. Pearl St., Albany, N. Y.

Gude, A. & Bro., 1214 F St., Washington, D. C.

Hansen, Mrs. M. A., Galveston, Tex.

Hauswirth, P. J., Audit. Annex, Chicago.

Hess & Swoboda, 1415 Farnum St., Omaha, Neb.

Holm & Olson, St. Paul, Minn.

Kellogg, Geo. M., 906 Grand Ave., Kansas City, Mo.; also Pleasant Hill, Mo.

Lange, A., 40 E. Madison St., Chicago.

Livingston Seed Co., Columbus, O.

Matthews, 16 W. 3rd St., Dayton, O.

Mayberry & Hoover, 1339 14th St., N. W., Washington, D. C.

McConnell, Alex., 571 Fifth Ave., Windsor Arcade, New York.

Miller, Theo., 4832 Delmar Blvd., St. Louis, Mo.

Mills The Florist, 36 W. Forsyth St., Jacksonville, Fla.

Murray, Samuel, Coates House Con., 1017 Broadway, Kansas City, Mo.

Park Floral Co., The, Denver, Col.

Palmer's, Buffalo, N. Y.

Schulz, J., 644 4th Ave., Louisville, Ky.

Virgin, Uriah J., 833 Canal St., New Orleans, La.

Weber, Fred C., 4320-28 Olive St., St. Louis, Mo.

Wilcox, J. F., Council Bluffs, Iowa.

Wilson, Robert G., Brooklyn, N. Y.

BOILERS.

Boilers, improved greenhouse boilers, made of best material; shell firebox sheets and heads of steel; water space all around (front, sides and back). Kroeschell Bros. Co., 45 Erie Street, Chicago.

Boilers, Gurney heaters, heat by steam or hot water. Gurner Heater Mfg. Co., 111 5th Ave., New York; 74 Franklin St., Boston.

Boilers, the Burnham boilers, made for greenhouse heating. Lord & Burnham Co., 1133 Broadway, New York.

Boilers, corrugated, fire box and sectional, greenhouse heating. Hitchings & Co., 1170 Broadway, New York.

Boilers, boilers of high grade for greenhouses. Steam and hot water. Giblin & Co., Utica, N. Y.

Boilers, of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Boilers, water tube steam boilers. King Construction Co., N. Tonawanda, N. Y.

Boilers, write for prices. Johnston Heating Co., 1133 Broaadway, N. Y.

Boilers. Myers & Co., 1122 Betz Bldg., Philadelphia.

BOXES.

Cut Flower Boxes, water-proof; corner lock style. No charge for printing on orders above 250 boxes. Livingston Seed Co., Columbus, O.

Cut Flower Boxes; send for prices. Edwards Folding Box Co., Philadelphia, Pa.

BUILDING MATERIAL.

Building material, lumber for greenhouse benches. Ship lap, drop siding, sheathing, flooring, white cedar posts, etc. We are in special position to furnish "Pecky Cypress"; everything in pine and hemlock building lumber. Adam Schillo Lumber Co., cor. Weed and Hawthorne Sts., Chicago.

Building Material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouses and other building material. Men furnished to superintend erection when desired. A. T. Sterns Lumber Co., Neponset, Boston, Mass.

Building Material, cypress sash bars. Tennessee red cedar posts, pecky cypress benches, hotbed sash and frames, ventilating apparatus, pipe, fittings and all supplies needed in new or reconstruction work. Foley Mfg. Co., 471 W. 22d St., Chicago.

Building Material. Our designs embody best features of greenhouse construction. Best grade gulf cypress used. Red cedar posts, iron fittings, hotbed sash. Lockland Lumber Co., Lockland, O.

Building Material, cypress sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 111-125 Blackhawk St., Chicago.

Building Material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 617 Sheffield Ave., Chicago.

Building Material of all descriptions, cold frames, hotbed sash, etc. Lord & Burnham Co., 1133 Broadway, New York.

Building Material for U-Bar greenhouses. Pierson U-Bar Co., Metropolitan Bldg., 4th Ave. and 23d St., N. Y.

Building Material, cold frames, hotbed sash of every description. Hitchings & Co., 1170 Broadway, N. Y.

Greenhouse materials of all kinds for greenhouse heating. Johnston Heating Co., 1133 Broadway, N. Y.

Building material of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Building Material of all kinds. S. Jacobs & Sons, 1365-79 Flushing Ave., Brooklyn, N. Y

If you do not find what you need in our Ready Reference Department, write us about it.

FERTILIZERS.

A sample 100-lb. bag of BLATCHFORD'S PLANT GROWER AND LAND RENOVATOR FERTILIZER only $2.75. It is composed solely of pure Rose Growers' Bone Meal, Nitrate of Soda, Peruvian Guano, Sulphate of Ammonia, Sulphate of Potash and Gypsum, in the correct proportions. For benches and potting plants, roses, carnations, lilies, mums, etc., it has never been surpassed. Address.

BLATCHFORD'S CALF MEAL FACTORY AND AGRICULTURAL WORKS.
WAUKEGAN, ILL.
Established at Leicester, England, in 1880.

GLASS.

Glass importers and jobbers; greenhouse glass a specialty. Window glass. James H. Rice, corner Michigan, St. Clair and Illinois Sts., Chicago.

Glass, plate and window glass, greenhouse glass a specialty. Sprague-Smith Co., 167-169 Randolph St., Chicago.

Glass, a lot of 16x18 A and B double strength at low price. A. Dietsch Co., 617 Sheffield Ave., Chicago.

Glass, window glass. Greenhouse glass a specialty. H. M. Hooker Co., 50 W. Randolph St., Chicago.

Glass, French and American "White Rose" brand. Stenzil Glass Co., 2 Hudson St., New York.

Glass, all kinds and sizes. Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.

GLAZING POINTS.

Glazing Points, see the point? Holds glass firmly. Peerless glazing points are the best. No rights of lefts. Box of 1,000 points, 75c, postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

GREENHOUSE CONSTRUCTION.

Greenhouse Construction, Eureka greenhouse the best and lowest in price. All houses erected at factory and shipped to purchaser with blue prints, photographs and plain directions so any person can put up. Dillon Greenhouse Mfg. Co., Bloomsburg, Pa.

Greenhouse Construction, builders of greenhouses for private estates, institutions, parks, etc. Pierson U-Bar Co., Metropolitan Bldg., 4th Ave. and 23d St., New York.

Greenhouse Construction, every type of iron frame or wooden construction. Best workmanship, right prices. Weathered Company, 46-48 Marion St., New York.

Greenhouse Construction, sash bar greenhouses. New Truss construction and iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse Construction, builders of every type of greenhouses; the most modern designs. Hitchings & Co., 1170 Broadway, N. Y.

Greenhouse Construction, builders of modern greenhouses. Myers & Co., 1122 Betz Bldg., Philadelphia.

GUTTERS.

Gutters, Garland's gutters will keep snow and ice off your glass. A sample of our gutter is on exhibition at Chicago Flower Growers' Market. Geo. M. Garland, Des Plaines, Ill.

Gutters, Lord & Burnham Improved V-shape gutter, with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

Gutters, new duplex gutter, only drip-proof gutter on the market. E. Hippard, Youngstown, O.

Gutters, Jennings, improved iron gutters. Diller, Caskey & Co., Sixth and Berk Sts., Philadelphia.

INSECTICIDES.

Insecticides, tobacco paper, 24 sheets, 75c; 144, $3.50; 288, $6.50; 1,725, $35.10. Nico-Fume Liquid, pint, $1.50; ½ gal., $5.50; gal., $10.50; 5 gal., $47.25. Kentucky Tobacco Product Co., Louisville, Ky.

Tobacco dust and stems. Swisher Bros., Newark, O.

Fumigating Supplies, vaporizing pans for tobacco extracts, improved. Diller, Caskey & Co., 6th and Berk Sts., Philalephia.

Fumigating Supplies, tobacco dust for fumigating. Edwin L. Koppelman & Co., 31 Pine St., New York.

Fumigating Supplies, tobacco powder and stems. The H. A. Stoothoff Co., 117 West St., New York.

Insecticide, Nicoticide, Bug Killer, the best bug killer and bloom saver. P. R. Palethorpe Co., Louisville, Ky.

Insecticides, Carman's Antipest insecticide and fungicide, $1.50 per gal. Perfection Chemical Co., Flushing, N. Y.

Wilson's Plant Oil for all kinds of plants. In 4-oz. to 1-gal. sizes. Andrew Wilson, 437 Springfield Ave., Summit, N. J.

LAWN MOWERS.

Lawn Mower. The Clipper, lawn mower, No. 1, 12-in., $5; No. 2, 15-in., $6; No. 3, 18-in., $7; No. 4, 21-in., $8. Draft, money order or reg. letter. Clipper Lawn Mower Co., Dixon, Ill.

LEAF MOLD.

Leaf mold. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

MASTICA.

Mastica, for glazing greenhouses. F. O. Pierce Co., 170 Fulton St., New York.

METAL DESIGNS.

Metal signs, send for prices. A. Hermann, 404-12 E. 34th St., New York.

MISCELLANEOUS.

Engravings, best engravings and illustrations of every description for catalogues. Send for estimates. Globe Eng. & Elec. Co., 427 Dearborn St., Chicago.

Printing, large runs of catalogues a specialty. Write for figures. Regan Printing House, 89-91 Plymouth Place, Chicago.

Florists' overdue accounts and bad debts collected by the National Florists' Board of Trade, 56 Pine St., N. Y.

PAINT, PUTTY, ETC.

Paint, Ideal Greenhouse Lead; Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, N. Y.

Paint, Putty, etc. H. M. Hooker Co., 59 W. Randolph St., Chicago.

Paint, Putty, etc. The Jas. H. Rice Co., 80-82 Wabash Ave., Chicago.

Putty, Twemlow's Old English Glazing. Hammond's Paint and Slug Shot Works, Fishkill-on-Hudson, N. Y.

PIPE, FITTINGS, ETC.

Pipe, iron fittings, etc., galvanized iron sash hinges, screw eyes, screw hooks, U bolts, galvanized iron buckles and wires. Fittings for purlin and ridge supports. Foley Mfg. Co., 471 W. 22d St., Chicago.

Iron Fittings, patent iron bench fittings and roof supporters. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

Pipes, valves, fittings of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

A Bargain, 4-in. cast iron pipes, 5 feet lengths at 12c per foot. C. C. Pollworth Co., Milwaukee.

Iron Fittings, etc.; send for prices. Lockland Lumber Co., Lockland, O.

POTS, PANS, ETC.

Pots, standard flower, 1½ in., $2.77 per 1,000; 2-in., $3.33; 2½-in., $3.88; 3-in., $5.27; 3½-in., $6.10; 4-in., $7.77; 4½-in., $10; 5-in., $13.60; 6-in., $22.20; 7-in., $4 per 100; 8-in., $6; 9-in., $8.88; 10-in., $13.33; 12-in., $22.22; 14-in., $38.88; 16-in., $66.66; 20-in., $1.25 each. Azalea pots and bulb pans same price. 2x2½ in. rose pots, $3.50 per 1,000. A. F. Kohr, 1521 N. Leavitt St., Chicago.

Pots, standard, seed pans, cut flower cylinders, hanging baskets, lawn vases, etc. Hilfinger Bros. Pottery, Ft. Edward, N. Y.

Pots, standard flower pots. The Whildin Pottery Co., Philadelphia, Pa.; Jersey City, N. J.; Long Island City, N. Y.

Pots, before buying write for prices. Geo. Keller & Son, 361-63 Herndon St., near Wrightwood Ave., Chicago.

Pots, red standards, full size and wide bottoms. Detroit Flower Pot Mfy., 490 Howard St., Detroit, Mich.

Pots, pots of all kinds. A. H. Hews & Co., No. Cambridge, Mass.; Long Island City, N. Y.

Pots, red standard, azalea pots. The Keller Pottery Co., 213-223 Pearl St., Norristown, Pa.

Pots, red standard. Paducah Pottery Co., Paducah, Ky.

Pots, all sizes. Ionia Pottery Co., Ionia, Mich.

Pots, Syracuse red, Syracuse Pottery Co., Syracuse, N. Y.

Pot hangers, Kramer's $1 doz. by exp., $1.25 by mail. I. N. Kramer & Son, Cedar Rapids, Ia.

PUMPING ENGINES.

Pumping Engines, two streams of water for 1 hour cost 2 cents if you use a Standard pumping engine. The Standard Pump & Engine Co., Cleveland, O.

RAFFIA.

Raffia, samples free if you mention the American Florist. Large assortment of colors. R. H. Comey Co., Camden, N. J., 810-24 Washburn Ave., Chicago.

SEED CASES.

Seed cases, Heller's mice proof. W. C. Heller & Co., Montpelier, O.

STEAM TRAPS.

Steam Traps, the Standard return steam trap has no equal for its simplicity of working. E. Hippard, Youngstown, O.

Steam traps, Morehead Return. Morehead Mfg. Co., 1047 Grand River Ave., Detroit, Mich.

SUPPLIES.

Supplies, milkweeds, wire designs, cut wire, all kinds of letters, immortelles, cycas leaves, sheaves of wheat, ribbons, corrugated boxes of all kinds. Henry M. Robinson & Co., 8-11 Providence St., Boston, Mass.

Supplies, cape flowers, cycas leaves, metal designs and all florists' supplies. A. Herrmann, 404-12 E. 34th St., New York.

Supplies, importers and manufacturers of florists' supplies. L. Baumann & Co., 78 Wabash Ave., Chicago.

Supplies, importers and manufacturers of florists' supplies. Reed and Keller, 122 W. 25th St., New York.

Supplies, wire designs, etc. The Cleveland Cut Flower Co., 215 Huron road, Cleveland, O.

Supplies and novelties of all kinds. J. Stern & Co., 1928 Germantown Ave., Philadelphia.

Supplies of all kinds. E. F. Winterson Co., 45 Wabash Ave., Chicago.

Supplies, wire designs. Pittsburg Florists' Ex., 228 Diamond St., Pittsburg, Pa.

Supplies, flower baskets, novelties. Riessner Bros., Lichtenfels, Bavaria.

Supplies of all kinds. S. S. Pennock, 1610 Ludlow St., Philadelphia.

Supplies of all kinds. Barteldes Seed Co., Denver, Col.

TOOTHPICKS.

Toothpicks, wired, $1.50 per 10,000 $6.25 per 50,000. W. J. Cowee, Mfr., Berlin, N. Y.

VENTILATING APPARATUS.

Ventilators, the Standard ventilating machinery; original machine with self-oiling cups, most powerful, least complicated, very compact. E. Hippard, Youngstown, O.

Ventilators, The Advance Ventilating Apparatus. Write for estimates and circulars. The Advance Co., Richmond, Ind.

TWEMLOW'S
Old English Glazing Putty
SEMI-LIQUID,

For Bedding Glass in Sash or for Filling Cracks or Seams in Roof Joints or Frames of Greenhouses or Hot Beds.

THIS PUTTY

Is used in Machine or Bulb.

If too thick for bulb, thin with a little Pure Linseed Oil, boiled.

So thinned, it can be brushed into any crack or leak, making a solid filling.

THIS PUTTY

Makes a solid bed, impervious to moisture, and holds glass in its place, and will stop any crevice or fault.

When once set on dry wood it does not leave.

Manufactured in the United States only by

HAMMOND'S PAINT & SLUG SHOT WORKS,
FISHKILL-ON-THE-HUDSON, N. Y.

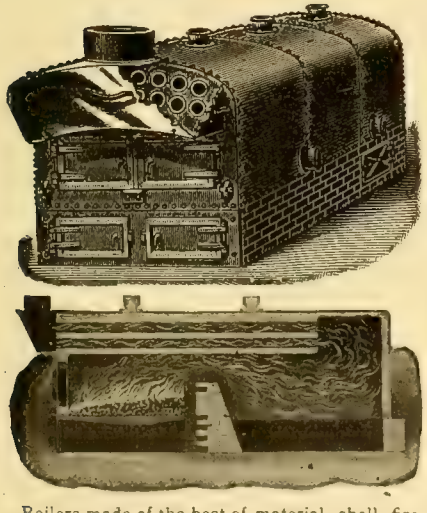
Twemlow's Old English Liquid Glazing Putty

Is sold by

FLORISTS' SUPPLY HOUSES

In New York
Chicago
Philadelphia
Cincinnati
Allegheny
Milwaukee
Detroit, Boston
Providence
Grand Rapids
Richmond
Louisville
New Orleans
Toledo
Cleveland
Buffalo
Baltimore, etc.

KROESCHELL BROS. CO.
IMPROVED
Greenhouse Boiler
45 Erie Street, CHICAGO.



Boilers made of the best of material, shell, fire-box sheets and heads of steel, water space all around (front, sides and back). Write for information.

Please mention the American Florist when writing.

CUT FLOWER BOXES
WATERPROOF Corner Lock Style.

The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always.

Size No.		Per 100	Per 1000
0.	3x 4x20	$2.00	$19.00
1.	3x 4½x16	1.90	17.50
2.	3x 6x18	2.00	19.00
3.	4x 8x18	2.50	23.00
4.	3x 5x24	2.75	26.00
5.	4x 8x22	3.00	28.50
6.	4x 8x28	3.75	36.00
7.	6x16x20	5.50	54.00
8.	3x 7x21	3.00	28.50
9.	5x10x35	6.50	62.00
10.	7x20x20	9.50	67.50
11.	3½x5x30	3.00	28.50

Sample free on application. No charge for printing on orders above 250 boxes. Terms cash.

THE LIVINGSTON SEED COMPANY,
Box 104, COLUMBUS, OHIO.

Please mention the American Florist when writing

THE LOW PRICE HEATING PLANTS

The Chicago House Wrecking Co. is in position to offer you an interesting proposition for furnishing you with a heating plant at a saving of at least 30%. Send us a sketch of your houses with preferred location of the boiler, the points of compass and the desired night temperature for zero weather, and we will gladly submit you an exact detail quotation of all material required to install the plant. We have ***heaters*** and ***boilers*** of every kind, both new and rebuilt. We have always ou hand a large number of rebuilt boilers suitable for greenhouse heating. Our stock embraces ***fire box boilers, horizontal tubular boilers, Kroeschell boilers, cast iron sectional boilers, Erie City economizers*** and other types

We can save you considerable money on ***pipe, valves*** and ***fittings;*** also on ***doors, glass, sash*** and everything needed in the construction of your buildings.

Ask for our Special Catalogue No. 47.

CHICAGO HOUSE WRECKING CO.,
35th and Iron Streets, CHICAGO.

GREENHOUSE HEATING

Complete heating plants erected or materials furnished with working plans. Write for prices on **BOILERS.**

JOHNSTON HEATING COMPANY,
St. James Building, 1133 Broadway, NEW YORK.

GLASS

GOOD BRANDS.
QUICK SHIPMENTS.
LARGE STOCK.

Warehouse on railroad switch. **Be Sure and Get Our Prices.**

SHARP, PARTRIDGE & CO.,
22nd and Lumber Sts., CHICAGO.

Carman's Antipest
INSECTICIDE AHD FUNGICIDE
For the Garden, Orchard and Greenhouse.

Non-poisonous and harmless to vegetation.

Kills Green Fly, Aphides, Bark Lice, Thrip, Mealy Bug, Red Spider, Scale, Wire Worms, Ants and Slugs.

This is the Grower's Friend, handy to use, cheap and effective, mixes readily in water. Destroys all insect pests and keeps down filth. Circulars on application. **$1.50 per gallon.** Also in quarts, half gallons and in bulk

PERFECTION CHEMICAL CO.,
FLUSHING, N. Y.

Please mention the American Florist when writing.

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

WILSON'S PLANT OIL.

The best Insecticide and Plant Renovator ever introduced. Positively harmless. Put up in cans and bottles. Send for circular, testimonials and trade price.

ANDREW WILSON, 437 Springfield Ave SUMMIT, N. J.

Please mention the American Florist when writing.

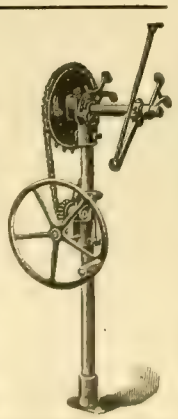
SUN DRIED CYPRESS
GREENHOUSE MATERIAL
IS THE BEST.
WRITE
FOLEY MFG. Co.
471 W. 22ND ST.
- CHICAGO -
FOR FREE CATALOGUE
VENTILATING APPARATUS, FITTINGS, HOT-BED SASH:
WE MAKE SKETCHES AND ESTIMATES-

If you are having delay in getting your roof material, send your orders TO US and don't be in trouble. We will handle any order in the time agreed. Try us.

FOLEY MANUFACTURING CO.,
471 West 22nd Street, : : CHICAGO.

Please mention the American Florist when writing

The Advance
Ventilating Apparatus

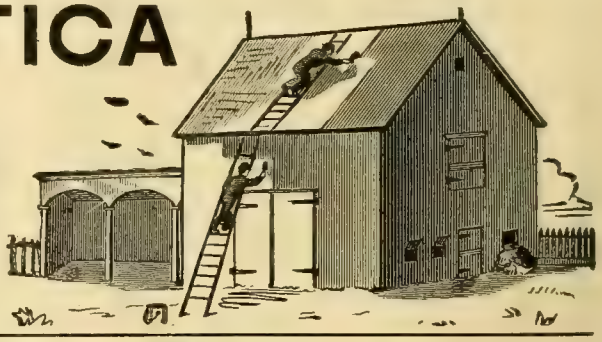


With goods made mechanically correct, on principles that have always given satisfaction with prices that are reasonable, with lasting and satisfactory service, we certainly should have a chance to figure with you on what you may need in our line.

We have always pleased our customers. Why not you?

THE ADVANCE CO.
RICHMOND, IND.
Please mention the American Florist when writing.

MASTICA
Trade Mark Registered.
—FOR—
Glazing Greenhouses
Sole Manufacturers
F. O. PIERCE COMPANY
NEW YORK
At A Seed Stores



Greenhouse Material of Louisiana Cypress and GREENHOUSE HARDWARE AND POSTS.

Hot Bed Sash
Washington Red Cedar
PATENT V AND U GUTTERS.
OUR GRADES INVARIABLY THE BEST. OUR PRICES RIGHT.
Write for Catalogue and Estimate, when figuring on your new houses.
A. DIETSCH CO., 617 Sheffield Ave., CHICAGO.

BEST ENGRAVINGS and ILLUSTRATIONS
—Of Every Description—
FOR CATALOGUES.
SEE OUR WORK IN THIS PAPER. SEND FOR ESTIMATES.
GLOBE ENGRAVING and ELECTROTYPE CO.
407-427 Dearborn St., CHICAGO.

EUREKA GREENHOUSES.
THE BEST AND LOWEST IN PRICE. All houses erected at the factory and shipped to purchasers with blue prints, photographs and plain directions so that any person can put them up.
DILLON GREENHOUSE MFG. CO., Bloomsburg, Pa.

CHEAPEST AND BEST.
If you doubt it try them and be convinced. Send for descriptive price circular.
J. D. Carmody, Evansville, Ind.
Please mention the American Florist when writing.

EVANS' IMPROVED CHALLENGE VENTILATING APPARATUS
WRITE FOR ILLUSTRATED CATALOGUE
QUAKER CITY MACHINE WORKS,
RICHMOND, IND.
Please mention the American Florist when writing

GET OUR PRICES ON
Galvanized Wire Rose Stakes and Tying Wire.
IGOE BROTHERS,
Manufacturers of the Model Plant Supports for Carnations, Dahlias, Golden Glow, Chrysanthemums and Tomatoes
63-71 Metropolitan Ave., BROOKLYN, N. Y.

FOR SALE

GLASS New American. 50 sq. ft. to the box. 10x12 single $1.75 per box; 10x12, 12x12 10x15, double, $2 55 per box; 12x14, 12x20, 14x14, 14x20, double, $2 75 per box; 16x16, 16x18, double, $3.00 per box; 16x24, double, $3 20 per box. Secondhand, 8x12, single, at $1.50 per box; 8x10 and 8x14, second-hand double, at $1.75 per box.

GARDEN HOSE New, ¾-in, guaranteed 100-lbs pressure, 7½c. per ft; ¾-in. not guaranteed, 4¾c. per ft.

HOT-BED SASH New Cypress, 3ft.x6ft. from 75cts. up; glazed, complete, from $1.60 up; Second-hand in good condition, all glass in, at $1.25 and $1.00 each.

PIPE Good serviceable second-hand, with threads; 2-inch, 7 cts.; 1¼-inch, 5½ cts; 1¼-inch, 4cts.; 1-inch, 3cts-; 2½-inch, 10cts; 3-inch, 14cts.; 4 inch, 19cts. New 2-inch, Standard, full lengths, with couplings, 8¾cts. per ft. Old and new fittings and valves.

Get Our Prices on
Boilers, Pumps, Stillson Wrenches, Stocks and Dies, Pipe Cutters, Pipe Vises, Cypress Material, Etc.

METROPOLITAN MATERIAL CO.
1398-1408 Metropolitan Avenue, BROOKLYN, N. Y.
Please mention the American Florist when writing.

FOR SALE.
Tobacco Dust and Stems.
SWISHER BROS.,
Cigar Manufacturers,
NEWARK, - OHIO.

THE AMERICAN FLORIST

America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXVII. **CHICAGO AND NEW YORK, SEPTEMBER 15, 1906.** **No. 954**

THE AMERICAN FLORIST

TWENTY-SECOND YEAR.

Copyright 1906, by American Florist Company. Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

324 Dearborn St., Chicago.

Eastern Office: 1133 Broadway, New York.

Subscription, $1.00 a year. To Europe, $2.00. Subscriptions accepted only from the trade.

Volumes half yearly from August 1904.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—WM. F. KASTING, Buffalo, N. Y., president; H. M. ALTICK, Dayton, O., vice-president; W. J STEWART, 11 Hamilton Place, Boston, Mass., secretary; H. M. BEATTY, Pittsburg, Pa., treasurer. Twenty-third annual meeting at Philadelphia, Pa., August, 1907

OFFICERS-ELECT—WM. J. STEWART, Boston, Mass., president; JOHN WESTCOTT, Philadelphia, Pa., vice president; P. J. HAUSWIRTH, Auditorium Annex, Chicago, secretary; H. B. BEATTY, Pittsburg, Pa., treasurer.

INTERNATIONAL EXHIBITION—A grand international exhibition will be held with the annual convention at Chicago, November, 1908.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual convention and exhibition at Chicago, November 6-12, 1906. WM. DUCKHAM, Madison, N. J., president; DAVID FRASER, Penn and Homewood Ave., Pittsburg, Pa., secretary.

AMERICAN ROSE SOCIETY.

Annual meeting and exhibition at Washington, D. C., March 13-15, 1907. ROBT. SIMPSON, Clifton, N. J., president; BENJAMIN HAMMOND, Fishkill-on-Hudson, N. Y., secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention and exhibition at Toronto, Canada, January, 1907. JOHN H. DUNLOP, Toronto, Canada, president; ALBERT M. HERR, Lancaster, Pa., secretary.

THE AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

Annual convention at Toronto, Ont., 1907. BYRON D. WORTHEN, Manchester, N. H., president; F. L. MULFORD, Harrisburg, Pa., secretary.

AMERICAN PEONY SOCIETY.

Third annual meeting and exhibition at Ithaca, N. Y., 1907. C. W. WARD, Queens, N. Y., president; A. H. FEWKES, Newton Highlands, Mass., secretary.

Contents, page 358.

Advertising Rates, 358.

Index to Advertisers, 382.

Ready Reference Advts., 383.

Florists' Forcing Bulbs and Roots.

Copyright 1906 by the American Florist Company.

I—LILIUM HARRISII.

Acknowledged queen of bulbous flowers is the lily, and among the lilies the Bermuda grown Harrisii claims preeminence. It is this well defined type which has given impetus to the widespread and extensive cultivation of lilies, as witnessed to-day. Its introduction years ago marked the beginning of a new epoch in lily culture. Old time hit-or-miss methods gave way to systematic, closely timed forcing. The growing of lilies is now one of the most important features of commercial floriculture, with Lilium Harrisii still in the front.

The bulbs are among the first to arrive, usually due here in August. If wanted for early forcing no time should then be lost in having them planted. They are graded into several sizes, and whether the small or larger bulbs prove most profitable to florists is still an open question. While some growers, probably most of them, prefer the 5 to 7 inch size, others use none but the 7 to 9 inch grade, claiming that the large bulb can be depended upon as being the best matured and therefore the surest to bloom. It may be set down as a rule that for the general run of trade small sized bulbs give entire satisfaction; for high grade stock in potted lilies the larger should be chosen.

The smaller bulbs are planted into 5-inch pots, the large ones into 6 and some even into 7-inch pots. If, at the time of planting, room is scarce or the grower believes it to be of advantage otherwise, the bulbs might first go into 4-inch pots, to be transplanted into a larger size later, after a start in growth has been made. This practice has fallen into disfavor with growers and is now generally considered a waste of time and labor. However, in the starting of very large bulbs, a midway shift deserves commendation.

As regards the soil to be used in potting there is no need of being over particular, since lilies do well in almost any good soil. Three parts of nice garden loam and one of well decayed cow manure or that from spent hotbeds, well intermixed and broken up, is as good a soil for the purpose as any. Fresh or green manures should not be made use of in preparing the mixture. The bulbs are set deep enough to allow nothing but the extreme tip to be visible. A frame outdoors is the place for the pots.

After a thorough watering, which will firmly settle bubs and soil, a covering, in a layer of an inch or more in thickness, of earth, sand or rotted manure is spread loosely over the pots to prevent rapid drying out. This covering is removed when top growth has started. Before this shows, another good watering may become necessary. An examination of the pots occasionally will tell, and it is always best to make sure on this point. The sashes, at this stage, are of little use, only in long continuing spells of heavy rains they would prove of service in carrying off the water. They should then be raised high enough all around to invite the free circulation of air above the pots.

When top growth shows and after the covering has been removed, the most advanced of the lilies may be taken to the greenhouse for very early forcing, first of all making sure, that root formation is well under way. A lily, backward in top growth, but with an abundance of roots holds out a greater assurance of success in actual forcing than one showing a well advanced crown but no roots, a condition which in most cases is evidence of faulty treatment. A light shading for a week or so, after being brought into the house, will prove of benefit to the earliest lots. Later on this will not be needed, but instead an increased amount of moisture at the roots and overhead. Plenty of light and ventilation, daily syringings and regular tobacco fumigation will promote a healthy and rapid growth. In a night temperature of about 65° a goodly percentage of these early started will come into bloom by the latter part of November, most of them just in time for Thanksgiving day.

A somewhat less severe course in forcing, about 5° lower right through, will lead to a timely finish of the stock

intended for the great winter holidays. High pressure forcing should only then be resorted to, when a seemingly backward lot of lilies must be brought out for Christmas or some other festive occasion, and then only when they have already set their buds. A night temperature of 75°, a heat which sound and well rooted lilies will stand without harm, should nevertheless be considered the limit. Harrisii lilies for the general mid-winter and early spring trade are planted any time from September to November. The pots are kept in outdoor frames, protected against frost, until the bulbs are rooted, when they are removed to the house in successive batches and forced in a moderately high temperature. The forcing of Bermuda lilies for Easter should begin from December 15 up to January 10, all depending on whether that holiday is early or late.

E.

Influence of Artificial Light on Plants.

Paper read by John Craig, Professor of Horticulture, Cornell University, Ithaca, N. Y., before the Acetylene Association, July, 1906.

Three types of artificial light have been investigated in their relation to plant growth since 1861. It was in this year that Hervé-mangon, a Frenchman, studied the effect of electric light on plant growth. He proved that electric light could produce chlorophyll and was capable of causing heliotropism. Dr. Seamons, of England, carried on a comprehensive series of experiments in 1879, '80 and '81, during the course of which he demonstrated the injurious quality of the ultra violet rays. He concluded that a 1,400-candle light about ten feet above glass, under which the plants were grown, was about half as efficient as sunlight.

Déherain continued experiments with arc light in 1889, using a 2,000 naked candlepower. He found the unprotected light injurious, but he also found that the harmful rays could mostly be eliminated by using clear glass. His studies did not suggest that there was a promising field for the exploitation of electric light in forcing-house work.

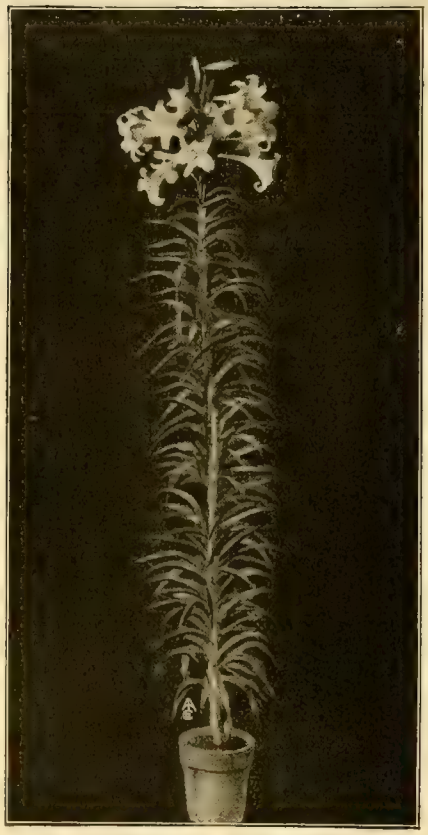
Studies in electric light, in its relation to plant growth, were instituted at Cornell experiment station by Bailey in 1891 and continued for three or four years. The results of these investigations have been set forth in Bulletins 30, 42 and 55. The results were conflicting; some plants were benefited, while others were injured, without regularity or apparent reason. The conclusion was reached that electric light promoted assimilation, hastened growth and maturity; that periods of darkness are not necessary to plant growth; and that it might sometimes be used with profit in certain branches of forcing-house work.

Electric light as a stimulating agent has not been generally adopted by gardeners or florists. Its use is exceptional. At the third annual meeting of the Society of Horticultural Science an interesting paper was presented by Professor Close of the Delaware experiment station on the results of his experiments with the Cooper-Hewitt mercury vapor light, in which he showed the failure of the light to maintain plant growth for any considerable length of time, and also showed the remarkable modification of form which occurred under exclusive illumination of this kind.

The writer has been interested in acetylene as an illuminant since 1896, when he was instrumental in bringing added cheer and comfort to the occupants of the rambling Canadian farm homes where his growing days were enjoyed, by replacing the numerous kerosene lamps with natty acetylene burners, which have since then continued to act as an important factor in country life.

ACETYLENE APPROXIMATES SUNLIGHT.

The discovery of this gas occurred in 1836, but it was not officially christened



Lilium Harrisii.

until 1862. It had no commercial or economic standing until 1892, when a new method of manufacture was discovered at the works of Thos. Wilson, Spray, N. C., by Messrs. d'Chalmont and Professor Morehead. The composition of the light rays is the point which directed attention to its possible use as a growth stimulant. Acetylene more nearly approximates sunlight in its make-up than any other artificial illuminant used. It is composed of the same colors and in very similar degrees of intensity. As for color values of the acetylene rays, let 1 equal the value of each color of sunlight, and we have the following comparison by Münsterberg:

	Sun.	Acetylene.
Red	1	1.03
Yellow	1	1.02
Green	1	.71
Blue	1	1.46
Violet	1	1.07

Indigo and orange are not given. In electric light studies it has always been found that the chemical ultra violet rays were the injurious factors in that illuminant. In the case of the acetylene, the ultra violet rays are practically absent, although blue and violet are as strong or stronger than they are found in electric light.

THE EXPERIMENTS AT CORNELL.

The methods of conducting experiments with acetylene on plant growth at Cornell university were to add the acetylene illumination to the day light illumination by turning on the former after twilight fell. We endeavored to make comparisons on the influence of this light under different conditions, so that a warm, a medium and a cool house were used.

Temperature of warm house, 60 to 65° at night; soil area, 235 square feet; 410 candlepower; five feet from ground.

Temperature of cool house, 45 to 50° at night; soil area, 129 square feet; 350 candlepower; three feet from ground.

Temperature of medium house, 50 to 55° at night; 100 square feet; 270 candlepower; two feet from bench.

I have pleasure in acknowledging valuable assistance from the following firms, who furnished acetylene generators: Radiant Acetylene Generator Co., Canandaigua, N. Y.; Monarch Acetylene Co., Buffalo, N. Y.; Davis Acetylene Generator Co., Elkhart, Ind.; Sunlight Gas Machine Co., New York.

From the following houses, who furnished burners and other fixtures: W. M. Crane Co., New York; Drake Acetylene Burners & Supply Co., Cleveland, O.; State Line Co. and American Lava Co., Chattanooga, Tenn.; J. B. Carroll, Chicago, Ill. Finally the experiments were made possible by the generous aid of the Union Carbide Co., which supplied practically all the carbide used, about two and one-half tons. American Carbolite Co. co-operated, but the carbide arrived too late for use in these experiments.

I should make it clear at the outset that while the main features of the experiments were planned and directed by the writer, the execution of the details, the making of the daily records and the compilation of these records were carried out by M. J. Iorns, who undertook the task as a major problem for a Ph. D. degree in the department of horticulture. The investigation covered two university years.

Scope.—The lights in two houses were run nearly 5,000 hours, during which time something over 2½ tons of carbide were used. In making the investigation, 150 plant forms, embracing 25 families, 50 genera and 65 species were employed.

GENERAL RESULTS.

Influence on top growth for culinary use: Most of the salad plants were studied. Lettuce, parsley and spinach were considerably hastened. The seeding period was also accelerated. The plants under acetylene were crisper and apparently more succulent than those grown under sun alone.

PLANTS GROWN FOR FOLIAGE.

Coleus.—The vigor of the plant was increased, but no other marked change, either as to color or consistency of foliage, was noted.

Asparagus Sprengeri and plumosus.—Very little, if any, difference was observed between the plants in sun and

those in acetylene. Such difference as was noted was in favor of the acetylene plants.

Begonias, rex and tuberosa.—With both types the vegetative growth was considerably stronger under acetylene than under sun alone, but in most cases the flowering period was materially delayed. This might be an advantage in the case of the rex type, but would be a disadvantage in case of the tuberous varieties grown primarily for flowers.

Cobœa scandens.—This produced 15 to 20 per cent more vine under acetylene than under sun alone. No other modification was observed.

Ferns.—These did not show any marked difference, except in the matter of color, which was lighter in the plants under acetylene than those under sun. In these crops and in some of those following, electric light was contrasted with acetylene:

ROOT CROPS.

Leeks.—Here again very little difference was noted between plants grown under acetylene and plants grown under electric light. Both series were a little ahead of those under sun only.

Onions.—Very light differences. Electric, acetylene and sunlight compared. Top growth slightly increased, bottom growth but very slightly affected by either electric light or acetylene. Difference between either electric or acetylene over sun almost inappreciable.

Beets.—Top and root growth practically equal under electricity and acetylene, and the difference between these plants and those under sunlight was so trifling that the use of these artificial lights cannot, in the light of our trial, be commended as an economic proposition.

Radishes.—Under high temperature, that is, in the warm house, the results were slightly in favor of acetylene over electricity or sun. In the cool house the results secured in the dark days of autumn were strikingly in favor of acetylene over the sun. In this house electricity was not used. The plants under acetylene gave more than double the weight of root product and the time period was increased 62 per cent and the maturing period shortened approximately 20 per cent. The results with radishes were not uniform throughout. Crops harvested later in the season, when the sun approximated its maximum, showed less difference between acetylene and sun than those harvested when sunlight was at a minimum as regards intensity. It was also observed that plants on which the acetylene light was applied as soon as the seed was sown became drawn during the seed leaf period. This condition was not observed if the light was not turned on until the true leaves appeared. I am of the opinion that acetylene can be applied to the forcing of this crop with advantage and profit during unfavorable atmospheric conditions.

INFLUENCE OF ARTIFICIAL LIGHT ON PLANT GROWTH.

Cornell experiments on strawberry plants.—Effect of acetylene on two at left.

FRUIT AND EDIBLE TOP CROPS.

Strawberries in the cool house.—Growth increased 25 per cent over those grown under sunlight. Plants ripened fruit 16 days ahead of other plants carried in a similar temperature uninfluenced by acetylene.

Peas.—In both cool and warm houses the effect of acetylene was very marked. There was very little difference in the temperature of electricity and acetylene, both being artificial.

Bush Beans.—In the case of the specifically forcing varieties the results in regard to vine and fruit, both quantity and quality of fruit, were in favor of this artificial light. Acetylene produced the best results, although electric lighted plants were in advance of those lighted by sun only.

Pole Beans.—The results with this crop were conflicting. The effect on vine growth was marked and unquestionable, it being much more vigorous under acetylene and electricity. There was some difference in favor of acetylene in this plant, but less difference than in the case of bush beans. This superabundant vegetative growth had the influence of delaying the time of the maturing of the fruit.

The net result of this experiment, in which electric light, acetylene light and sun light were compared, was that the acetylene lighted plants ripened more fruit, of a larger size, but considerably later than those under the sun only. The vine growth was also greater.

INFLUENCE OF ARTIFICIAL LIGHT ON PLANT GROWTH.

Cornell experiments on narcissus.—Pot on right subjected to sunlight and acetylene.

This was to be expected. The plants under electric light did not produce more fruit than the sun plants, but the fruit averaged somewhat larger in size.

The inference from these results is that acetylene might be used to advantage in the fore part of the season in order to stimulate vegetative growth and make framework for producing fruit. In the latter part of the season, when sunlight increases, the artificial light might be withdrawn.

Cucumbers.—The results, so far as fruit is concerned, are inconclusive. Electric light was not used in this experiment. In the case of the vines, the addition of acetylene lights was a direct detriment. The leaves were smaller and of a less vivid green. The length of vine was about the same in both cases. It is to be remembered in this instance that the temperature of the room was high; that is to say, it was run from 75 to 85 degrees in daytime, with a 10-degree drop at night. Under these forced conditions of growth, acetylene served to be a disadvantage. The additional stimulant was injurious.

VEGETABLE SUMMARY, BY MR. IORNS.

Comparing the results of the different vegetables, we find (1) that with the exception of the cucumbers, all the forms had a decided increase of the foliage parts.

(2) That the time of fruit maturing is variously affected. The strawberries and peas maturing earlier, the tomatoes and pole beans later, and the cucumbers and other forms practically unchanged.

(3) That there is, as a rule, an increase in the amount of fruit, also in size of individual fruits, the cucumber being the chief exception.

(4) That the chief beneficial effects of the light are to make up for deficiency of sunlight, give with few exceptions stronger, more vigorous top growth, and help overcome unfavorable conditions in certain other lines.

(5) That there seems to be a limit in rapidity of growth, beyond which plants cannot be forced at all proportional to the attendant expense. Just what conditions govern this limit or where the limit is in our forcing-house plants, is as yet unknown.

Photosynthetic processes are completed to the point of starch making; root systems increased in the main proportionately with top development.

INFLUENCE ON TIME OF BLOOMING.

Mr. Iorns notes that with three exceptions all forms bloomed earlier under acetylene than under sun alone. Most notable differences are in the case of geraniums. In some cases plants under acetylene bloomed 20 days before those under sun light. In the case of carnations the blooming time was hastened, but the stems were elongated to an injurious extent. Therefore, from the standpoint of hastening the blooming, it is beneficial.

Lilium longiflorum was also greatly benefited. The per cent of gain of plants under acetylene varied from 6 to 15. L. speciosum under acetylene bloomed two to three weeks ahead of those unlighted. In conjunction with either the effect was very marked.

Quantity of bloom.—The influence on quantity of bloom is pronounced. In every case the amount of bloom was increased. In some plants two or three times as many blossoms were produced as in the sun.

Influence of Artificial Light on Plant Growth.

Golden bell buds, under acetylene, one week ahead of others.

Duration of bloom.—Here we have an apparent contradiction. The addition of acetylene shortened the number of days

Influence of Artificial Light on Plant Growth.

Cornell experiments.—Acetylene caused larger plant to flower three weeks ahead of its mate.

which cucumber flowers remained on the vines, but in the case of lily and narcissus the flowers lasted a greater number of days than where only sun was used. This may be due in a measure to the innate character of the flower itself.

GENERAL SUMMARY.

Between 90 and 95 per cent of the plants experiment with responded favorably to the stimulus given by the acetylene light. The remainder were usually negative. There was no uniformity of results within a group of related plants. Lilies, for instance, gave markedly positive results, while some tulips failed to respond entirely.

No markedly injurious results were noted except where plants were growing under optimum conditions. The general influence of acetylene seems to be that of weak or highly diluted sun light.

Under unfavorable conditions of temperature and sun light, acetylene can be used to considerable advantage in stimulating plant growth. It must not be regarded as a magic agent, with which miraculous plant growth may be wrought, but as a supplement or co-operative force to aid the gardener under unfavorable conditions, or at times when natural stimuli must be augmented it promises to be useful. Under such conditions, with certain forcing-house crops, I believe, it can be profitably applied.

In conclusion I would have it understood that I regard these experiments as merely preliminary. There are many questions yet to be answered. For instance, should acetylene be used only in the daytime, during the natural period of plant growth, or on dark days, when the sun light is deficient? What degree of illumination should be employed? If at night, is it best to run a weak light all night or a strong light in order to give a period of rest part of the time?

Why do some plants respond, and others not? What is the fundamental reason? Will the discovery of this reason give us further light in pursuing our investigations?

Deformed Gladiolus Spikes

In further reply to your correspondent's inquiry in THE AMERICAN FLORIST of September 8, on page 314, I would say that the inherent peculiarity of crooked spikes comes from the species G. purpureo-auratus, one of the original wild species of the so-called Lemoine section of hybrids.

Many of the more advanced types of these hybrids do not show this peculiarity at all, and some only under unfavorable weather conditions, to which certain seasons are subject. Aside from the above stated inherent peculiarity, any season of adverse climatic conditions may be expected to cause some of the best and heaviest spike producers to go crooked.

If the early part of the season be warm and humid, with luxuriant plant growth, and sufficient heat to cause the young spikes to droop from this cause, as the conditions of excessive heat relax, the spikes will again turn upwards in their efforts to assume their normal position, but without straightening the crooked stalks.

H. H. GROFF.

CHRYSANTHEMUMS

Cultural Reminders.

Now, that most of the varieties are having the buds taken or are in a state of development, is a good time to give the beds a good mulching. The beds should be gone over first to remove all the weeds and suckers and some of the bottom leaves. Then an inch or two of some good old manure should be put on. A good top-dressing could be made up of about half old horse manure and half fresh cow scrapings, into which has been mixed a little soot or bone meal. The plants should then be given a good watering.

Keep the plants well tied up, and keep down the suckers and lateral shoots. Keep sharply after any insect pests, especially the green and black aphides. The latter is easy to find, but the green aphis is just as bad and harder to locate. It is from now on up to time of blooming that these pests can do the most harm. If first-class blooms are wanted the aphides must not be allowed to get much of a start. Liquid manure should now be applied once or twice a week as the plants require.

G. T.

INFLUENCE OF ARTIFICIAL LIGHT ON PLANT GROWTH.

Cornell experiments on geraniums.—Larger ones had benefit of acetylene.

THE ROSE.

Roses to Date and Their Requirements.

Paper read by John H. Dunlop, of Toronto, Ont., at the annual convention of the Canadian Horticultural Association, at Guelph, August 29, 1906.

The subject assigned me or that I am asked to speak upon is one of considerable magnitude: "A Review of Roses to Present Date and Their Requirements." At first glance it would seem an easy task, but as one analyzes the subject, the first question to confront you is, are all soils alike? Are all conditions similar? Do all growers handle their plants in similar manner? The answer to each of these questions is a positive no. Then in that case the paper will deal entirely with the condition of soil, etc., as existing at my greenhouses and as far as I am able to learn through intercourse with those growing the varieties enumerated and of the forcing varieties grown under glass for cut flowers.

The rose growers have not been as favored as other branches of the profession in the number of varieties put upon the market or disseminated by originators each season. Look at the list of carnations and chrysanthemums; in fact, the number of varieties that have remained permanent or standard forcing varieties have been comparatively few.

There are so many points required in a rose to make it profitable. Probably it is a good grower but the color may not be right. The flower may be too single or too double to open freely. In winter it may have a tendency to be weak stemmed in dark weather or a shy bloomer at the same season. There are so many points to be considered in a forcing variety that there are very few that come up to the requirements of the ideal flower.

Look back for the past 10 years, which is a comparatively short time, and note how many varieties have been introduced with glowing descriptions and how many are grown today. The majority have been tested and found wanting and discarded, as the critical public, to whose taste we cater, are capable of judging the variety and are not slow to detect the weak points. No matter how much we would like to grow them, the patrons of our stores have to be considered and it is the popularity of the variety that we have to look to. But there is a better day coming. A good many of the supposed forcing varieties may have excellent points when grown in the open and may be admirably adapted to outdoor cultivation and I think this is the part that is misleading. Almost all of the new varieties are raised in Europe where the conditions are entirely different and unsuitable to the requirements of this country. But I am sanguine of better things. Have we not men who feel the necessity and have the courage to risk the raising of seedlings who are spending time and money in the endeavor to give us something more and better suited to our requirements who know the conditions, and I am proud to say have achieved success and have overcome obstacles that have appeared unsurmountable?

INFLUENCE OF ARTIFICIAL LIGHT ON PLANT GROWTH.

Cornell experiments on Japanese lilies.—Plant "G" had been etherized.

Have we not John Cook, of Baltimore, who gave us Cornelia Cook and Wootten, Alex Montgomery with Wellesley, E. G. Hill with Gen. McArthur and Richmond? During the past week a visit was paid to this noted establishment and there he has a house 300 feet in length devoted to this years' seedlings, and seedlings of one and two years in limited quantities under extended trial. We should be proud of such men that have the perseverance and skill to devote to this very important branch of our profession.

Of the most recent introductions, and what might be claimed the most important forcing varieties, I would name Richmond, originated by E. G. Hill, Richmond, Ind. This is an American seedling, a cross between Lady Battersea and Liberty. It is a hybrid tea with a much larger percentage of tea blood than most of the hybrid teas, the color an ideal shade of bright crimson, delicately scented, of remarkably free growth and a free bloomer. This variety can be grown successfully with Bride or Bridesmaid, in fact, it is benefited by a few degrees less heat, say a night temperature of 55° suits it better than 58°.

It does not require any particular culture or soil, as it has been grown successfully in both light and moderately heavy soil, but I would recommend a clay loam where it is procurable as I am inclined to think that there is more substance found in the flowers where the heavier soil is used. I would caution growers not to be too liberal in feeding Richmond. It was recommended at time of dissemination to feed it liberally, but as I said before, some soils being stronger and richer than others, caution and care must be exercised in feeding or disaster will be the result. I had a house of this variety last season where the instructions were carried out too closely and the result was that the variety got indigestion and had to be handled very carefully in order to put it in good working order again. There is nothing to be gained in this; better to be cautious with a little underfeeding rather than overfeeding.

Madame Chatenay is a comparatively new variety but has found many admirers. It is of easy culture, being one of the strongest growing teas and easy to force and like Richmond is not particular, as to soil. We have found a temperature of 55° well suited to it. The variety takes well to feeding and in the early spring luxuriates with frequent waterings of liquid manure and a good mulch as the days grow longer. The color is of a soft peach pink on upper side of petal and a lighter shade on under side. It has a delicate perfume.

Killarney is a variety that has been neglected or overlooked. It originated with Dickson, of Belfast, although on the market for some three years its merits were not brought out till a year or so ago where it was grown in different sections in moderate quantities and the value became known. Now it is being largely grown with excellent results as one will note from the reports in the trade papers last season. It is a very free grower and has a fascinating appearance from the fact that the young growth is so showy, being a reddish plum color in comparison with the deep green of the matured foliage. The stems are stiff and erect at all seasons of the year. The bud is pointed and delicately scented and produced in profusion. The color is a deep shade of rose pink although I have seen it very different, in some sections being of a light wash pink. The odor is of the briar. When the hand is passed over the unopened bud it is like the odor of a briar hedge which is always refreshing and appreciated. Similar temperature to Bride and Bridesmaid is best suited to Killarney.

Kate Moulton is a variety that has only been disseminated and in its first year's trial. Its faults, if any, have not been discovered. I had a bunch sent me from Minneapolis, Minn., which arrived in good condition considering the long journey. It is of a soft shade of pink, globular in form and with good stem although the neck was inclined to be weak. Whether that is a fault or not is to be seen. The variety appears to be a good grower.

Wellesley, although on the market a couple of years, has not been grown around Toronto. I had an opportunity of seeing it at Natick, Mass., where it originated and appeared to be a promising variety. The color is a bright shade of medium dark pink of the Bridesmaid type, a good grower and a free bloomer. This is an American seedling raised by that enthusiastic grower, Alex. Montgomery, who is also giving considerable time and thought to the raising of seedling roses. A visit to the Waban Conservatories is always a pleasant and profitable one, where rose growing is a science and everything on the most approved plan.

Gen. McArthur is a variety raised by E. G. Hill, but was not intended for winter forcing, or rather he did not consider it suitable. However, the stock was brought by the Storrs & Harrison Co. and John N. May. This variety was received with considerable enthusiasm, as the list of red forcing varieties was very meager, relying largely on Meteor, which of late has shown considerable deterioration. Gen. McArthur is of a bright cherry red and very fragrant, a free grower and a moderately free bloomer. There is quite a tendency to throw strong shoots which are too heavy for most purposes and are covered with large thorns resembling hardy roses. This variety has been grown successfully in the neighborhood, but most people prefer Richmond and it looks as though Gen. McArthur would be discarded before long. A temperature from 52° to 55° is best suited to it and moderately heavy soil.

Franz Deegan, of comparatively recent introduction, is the best of the yellows eliminating the habit of Perle which is prone to come bullheaded and deformed in dark weather. Franz Deegan opens as freely in midwinter as any season in the year with no deformed flowers. Of an exquisite shade of yellow deepening to a deep shade of orange in the center, a strong grower and continuous bloomer, this is a variety that improves with age as plants undisturbed for four seasons are stronger and produce superior bloom to young plants. This variety is almost immune from mildew and for that reason can be grown where it would not be possible to grow Bride and Bridesmaid, of easy culture. Similar temperature to Bride is suitable for this variety. It enjoys a fairly good feeding. This variety is benefited by being grafted.

Joey Hill, a French variety introduced last season, is of the Perle type in appearance and habit. A soft shade of peach pink, but an entirely different shade from either Sunrise or Sunset in color, being a combination of both. It has long pointed buds and good stems and is the most attractive variety of this color.

Rosalind or English: This variety has not proved itself as good as its companion Richmond. There was a tendency to black spot and the growth was unsatisfactory. The flower is medium in size, of a bright, clear pink Hermosa shade. I expected better results from this variety but found other varieties more satisfactory.

As this is an age of progress and improvement, we are finding new ways and methods of fighting some of the pests that have been very troublesome in the past. Comparatively few growers will content themselves with burning tobacco for the extermination of the green fly. Although the preparations put on the market are comparatively expensive and increase the cost of producing bloom, yet the results are so much more satisfactory that to be up to date, one feels that he should adopt them. There are a number of preparations, viz.: aphis punk, tobakine nico-fume and others. The preparations enumerated I can speak of from experience, having used them. For the best results I find the latter the most effective. It is easily applied and cheaper than the others. These preparations can be applied without injury to the bloom, which is not the case where tobacco is burned.

I find tobakine extract very effective in varieties like American Beauty, which are more subject to the attack of the green fly than some others, that this pest can be exterminated and kept in check where used regularly in the following manner and where steam heating is used: Take an ordinary oil can, fill with the liquid, start at the furthest end and drop on the hot pipes as quickly as possible as the fumes are very sickening and you have to beat a hasty retreat. I well remember on a couple of occasions, when necessity required that I undertook to apply in the manner described. My recollection is not a pleasant one as I had the worst case of seasickness ever experienced along with that giddiness which betokened an overdose of tanglefoot but with a little care this can be obviated. This is also a preventive of thrips when used in this way. A weekly application is sufficient to keep clear of both thrips and aphis.

There is also Campbell's sulphur vaporizer on the market that has helped to keep down mildew when firing ceases. It is an English patent and a trifle expensive but very effective and eliminates almost all of the danger of ignition. We have all had our pet schemes of using sulphur. Some of them have been costly, to wit: when the pan was placed over the coal oil stove and the flame set at what was thought just right to form the vapor from the sulphur on the

ILLINOIS CENTRAL RAILROAD'S GARDENERS AND GUESTS ON INSPECTION TOUR.
In the railroad's station park at New Orleans.

pan and just at that minute called away to attend some duty but on returning a couple of minutes later to our chagrin and dismay, found the pan had taken fire and the sulphur formed that deadly gas so fatal to plant life probably that the whole house was ruined in that few minutes' absence. For this reason I am pleased to know that this vaporizer has reduced the danger minimum. We are using eight of them at present with excellent results. I will not treat of the best houses for rose growing as it is well known that the lightest and airiest are suitable for the purpose, or I might say for the growing of any flower for winter forcing. I hope I have not wearied you with the paper and close with the wish that some benefit may result from its preparation.

Diseased Roses.

ED. AMERICAN FLORIST:—

Under a separate cover I am sending you a plant of the Bride rose with diseased roots. Plants of Bridesmaid are similarly affected. What is the cause and remedy? R.
Indiana.

The Bride rose is suffering from an attack of crown gall, a disease similar to one of the same name which occurs upon apple, peach, pear and other plants. The cause is not perfectly understood, but diseased plants must be destroyed, and the same soil not again used for the cultivation of roses. B. T. G.

Smilax and Roses in Carnation Houses.

ED. AMERICAN FLORIST:—

Please state if smilax and asparagus can be grown in a carnation house, also what should be done to keep mildew off roses which I will attempt to grow in the warm end of the same house.
J. F.

In reply to J. F., smilax and asparagus may be grown in a carnation house, but whether at a profit I cannot say, not having grown them at so low a temperature as is considered the maximum night temperature for carnations, namely 50°.

I would not however hesitate to make the trial if I needed smilax and asparagus to sell at retail prices, but if the product is to be disposed of at growers' wholesale prices I would hesitate because I am afraid it would not pay. What a grower needs who sells his smilax and asparagus at wholesale is to get successive crops as quickly as possible, and to do so requires a minimum night temperature of at least 60° with a rise of an additional 10° during the day time.

To keep mildew off roses, dust the plants at frequent intervals with sulphur and air-slacked lime in about equal proportions, thoroughly mixed by being passed through a fine meshed sieve, about the size of mosquito netting, say about every other day until firing is kept up constantly, after which it might be best to mix linseed oil with the lime-sulphur dust until it is of the consistency of paint when it may be applied to the heating pipes—if either steam or hot water is used—but if the heating is done by furnace then great care will have to be exercised not to allow any sulphur to be put on the flues or terra-cotta pipes as it is likely to ignite and serious damage would be done to nearly all the plants in the house. In that case it would be better to keep on with the dusting process.

After firing is kept up there should be less tendency for the roses to mildew, but as a preventive don't hesitate to apply the lime-sulphur dust occasionally, say once or twice a week.

J. F. does not say what varieties of roses he expects to grow nor what the minimum night temperature it is expected will be maintained at the "warm end of the house." Roses, taking them generally, require a night temperature of not less than 55°. That temperature was considered about right in olden times for Bon Silene and Safrano, also Bride and Bridesmaid, but of late years the latter varieties are being grown successfully in a night temperature of 60°. Temperatures are great factors in the successful growing of most plants, especially does this apply when they are being grown for profit.
EDWIN LONSDALE.

Illinois Central Railroad's Gardeners.

The illustration herewith shows those who participated in the recent inspection tour of the station grounds and gardens of the Illinois Central railroad from a view taken in that concern's station park at New Orleans. The trip occupied six days, August 20-26, covering 4,000 miles of railroad and the gardeners in attendance inspected some 200 station grounds. The tour, which was arranged and carried out by Geo. B. Moulder, the Illinois Central's gardener-in-chief, proved very interesting and of much practical advantage to all concerned. Those shown in the picture reading from left to right are: Noah McMahon, gardener, Springfield division, Clinton, Ill.; A. R. Meade, gardener, Chicago division, Chicago; C. H. Tritschler, chief gardener, North Carolina & St. Louis railroad, Nashville, Tenn.; W. A. Keller, gardener, Louisville division, Louisville, Ky.; Patrick Foy, chief gardener, Norfolk & Western railroad, Roanoke, Va.; August Wagner, florist, Illinois Central railroad, Champaign, Ill.; Frank Brocker, gardener, city parks, New Orleans, La.; Valentine Wickler, gardener, Freeport division, Freeport, Ill.; Geo. B. Moulder, chief gardener, Illinois Central railroad, Chicago; John Gipner, chief gardener, Michigan Central railroad, Niles, Mich.;

A BED OF SCARLET JOOST VAN VONDEL TULIPS.

E. A. Richardson, chief gardener, Boston & Albany railroad, Newtonville, Mass.; H. S. Moulder, gardener, Tennessee division, Fulton, Ky.; H. A. Bodi, assistant gardener, Illinois Central railroad, Chicago.

Patrick Foy, chief gardener of the Norfolk & Western railroad, Roanoke, Va., invited those present to make a similar tour over the railroad with which he is connected, including the Jamestown exposition, next year. The formation of a railroad gardeners' association was discussed on the recent trip and it is probable that such an organization will be formed before next year.

Fall Planting of Dutch and Other Bulbs.

HYACINTHS.—For several reasons it is advisable not to delay preparations for the planting of Dutch and other bulbs for spring and summer flowering. Hyacinths are easy of cultivation if soil and other conditions are satisfactory. Before planting hyacinths the ground should be thoroughly dug and well manured; and good drainage being an absolute necessity for success with hyacinths, it should be attended to without fail. If the soil is stiff it will be well to mix some sand in before planting. The bulbs should be planted about 6 inches deep and from 5 to 6½ inches apart. Care should be exercised when planting that all the bulbs are planted at a uniform depth, otherwise irregularity of growth will be the result.

As hyacinths make roots in the fall and because it is of vital importance to preserve these roots, soon after planting or before frost sets in, a covering five or six inches deep of coarse horse manure, or if that is not obtainable, straw or leaves should be placed over the ground to protect the bulbs from freezing and thawing out. If the ground is left bare the frost will heave the bulbs up, by which action alone the roots will be detached from the bulbs; the covering mentioned will prevent that.

While satisfactory results can be had from planting hyacinths in mixed colors it is not to be denied that beds or borders are always much more pleasing in effect if the colors and even varieties are kept distinct and separate, and it is especially desirable to plant in that way if done for any commercial purpose. It is also more effective to have one large bed or a large number in a border all together, than small detached patches here and there. On some places however where there is only space for a limited number and various kinds of bulbs are desired for spring flowering, mixed colors are a necessity because they are of much more interest than a single variety would be, no matter how good in itself.

TULIPS.—Tulips for spring flowering are in some ways easier of cultivation than hyacinths, but like the latter they do best in a somewhat sandy soil, and although moisture is indispensable to their perfection, drainage of the soil should be considered a matter of importance when planting. The soil should be well dug and worked into a loose state and cow manure mixed in. The bulbs should be planted about 4 inches deep and from 5 to 6 inches apart. The ground after planting should be covered with material the same as advised for hyacinths.

LILIES.—Because lilies are more expensive than most other kinds of bulbs they are usually planted with more of a view to permanency than is attached to the planting of other and cheaper kinds. For that reason and because of their habits of growth and appearance they are very often planted in among shrubs or on borders of shrubberies, also among other perennials and as back rows in borders where other things can be planted to hide the lily stems when they are in no way attractive. The foregoing remarks are of course only pertinent when taken in relation to planting of private places, and in commercial places for the ornamentation of the surroundings. On the other hand when the aim is to produce blooms, lilies require somewhat different treatment. They should be planted in well prepared soil, soil that is rich without very much rank manure, although manure will do no harm in any state unless it comes in contact with the bulb. Plant the bulbs deeply, not less than 10 inches deep, and immediately after planting the ground should be well covered, placing first a layer of leaf mold and well rotted manure, and on top of that place any kind of coarse manure, in all to a depth of 8 to 12 inches. When removing the covering in early spring that portion consisting of leaf mold and rotted manure will be found very beneficial if allowed to remain permanently. In choosing a location for lilies favor one where the plants will be just a trifle shaded from the midday sun. And one that affords the greatest shelter from high winds.

In the following list will be found the greater number of the most suitable for outdoor planting: L. auratum, pure white; L. auratum pictum; L. auratum, rubro-vittatum, pure white with crimson band; L. Canadense, yellow with

TULIP VITELLINA.

black spots; L. Canadense rubrum, crimson spotted with black; L. candidum, pure white, very early; L. Chalcidonicum, scarlet; L. Colchicum, yellow; L. concolor, scarlet with black spots; L. longiflorum; L. Krameri, blush pink; L. speciosum rubrum, white, shaded and spotted with crimson rose; L. speciosum album, pure white; L. tigrinum, tiger lily, orange with black spots; L. superbum, orange petals, tipped red and black; L. tigrinum flore-pleno, double flowering tiger lily; L. excelsum, buff spotted with crimson; L. Martagon, dark crimson with black spots; L. lancifolium rubrum, and L. elegans erectum.

A BED OF TULIPS.

White Joost Van Vondel in center, Keizerskroon in outer circle.

NARCISSUS.—Narcissi are exceedingly good for outdoor planting, both for the effect they produce in beds and borders and their availability for cutting from at a time when very few other flowers are available outdoors. They should be planted in sheltered situations in front of shrubberies and in nooks and corners in the grounds or in the garden. Plant the bulbs in October in good soil, well drained. Do not put manure anywhere near the bulbs. Although the narcissi, like all the other bulbs under observation here, are hardy, yet like these also they should have a covering of litter or leaves from the time they are planted until spring. M.

Notes on Aquatic Plants.

The season has been on the whole a record one for aquatic plants. Established plants of the hardy varieties started with their usual vigor and although the season was backward they were unaffected and flowers were in evidence in due season and quite plentiful until past midsummer.

Many florists use them for window decorations very effectively in New York. A few stores have had some choice specimens of hardy varieties but after the end of July the flowers are much smaller. After two comparatively cool summers and a backward spring this season it looked as though we might experience another cool summer, but those who ventured to plant tender nymphæas and victorias have been well rewarded, as present conditions attest and no brighter or cheerier spot exists in the garden than the water-lily pond.

The season has been unusually wet, necessitating much labor in keeping everything clean of weeds, yet many flowering plants have suffered, notably geraniums and foliage plants such as alternanthera, etc., which have been devoid of brightness and in many instances the color effect has been entirely obliterated. This happily has not been the case with water-lilies and other aquatic plants. The flowers have been brighter and the foliage looked clean after the frequent showers and with the heat of July and August the tender nymphæas and victorias have made luxurious growth and no finer effects are to be seen in floral decoration than the sub-tropical planting of the lily-pond or water garden, and in every case this section of the flower garden has received the least amount of labor and attention. True it is necessary to occasionally pick off a few dead leaves, but there is no back breaking, hoeing, weeding, such as is necessary with flower beds and borders. Not that we can dispense with the latter, but I contend that we can not dispense with the former.

I do not want to convey an impression that weeds will not grow in the lily-pond, for I unexpectedly came across an incident that convinced me of this fact. Prospect park, Brooklyn, has long been noted for its lily-ponds and the fine display of flowers, etc., and being within easy reach I was desirous of seeing the water-lilies. Early in the morning I visited the park by the plaza entrance. To my amazement when I arrived there I beheld nothing but sedge and wild grasses, reminding one of a swampy bog instead of choice and dainty water-lilies. On closer observation I found the large fountain basin studded with small boxes that had been planted with nymphæas and nelumbiums—some boxes containing three plants, three different varieties, but all choked by the wild grass until it appeared that it was the intention to grow weeds instead of water-lilies. A crying disgrace to the Borough of Brooklyn!

How it came about I did not inquire, but I could see very plainly that the boxes had been filled with fresh soil, the same containing hosts of seeds which probably germinated before the soil was covered with water and afterward they took full possession and either for lack of funds or other unaccountable reasons the weeds in the boxes were never pulled out. I do not know if this fountain basin is under the same jurisdiction as the ponds in the park, but these were in a different condition and showed plainly they had been cared for but were apparently rather behind or backward for the season, but the plants were clean, healthy and vigorous with some good specimens of the night-blooming varieties. I found in New York several fountain basins that formerly were planted annually with aquatics quite devoid of any plant, which on the whole was better than a pond of weeds.

A BORDER OF HYACINTHS.

As hardy nymphæas will not endure the strong summer sunshine south of Philadelphia the practicability of using the tender nymphæas is again demonstrated by the existing conditions at the present time, and even north and east of Philadelphia where the season for

the hardy varieties continues longer it is most desirable to plant tender nymphæas especially the day-flowering varieties. I would encourage the planting of the day-flowering varieties, for these are to be seen by many persons who might never see the night-blooming unless through some special effort, as the flowers close early in the morning especially on bright days.

The night blooming varieties are exceptionally good for cutting and are invaluable for decoration either for table or otherwise. The flowers should be cut early in the morning the first day of opening as they close early in the day. It is difficult to tell what buds are right for cutting when all are closed. When the flowers are closed they may be packed closely in shipping boxes where shipping is necessary, using wet paper and damp excelsior to keep them from shifting, when they will travel a long distance. The flowers will sometimes wilt in the hot dry atmosphere of a room, but if they are taken and submerged in water a few minutes they will soon regain their former freshness and last for several hours, or where possible, the flowers might be damped by using a fine sprinkler. Little remains at this season of the year but occasional cleaning of the ponds until it is time to secure stock for the following year.

W. TRICKER.

Sweet Peas in England.

The sweet pea season in England shows signs of becoming unduly prolonged. Although ranking very high in the list of popular flowers it is just possible the public may tire of having sweet peas for home decorations nine months out of the 12 and that is the situation growers and florists are trying to force.

One of our leading growers for early work, C. Engellmann, Saffron Walden, opened the season in January by sending blooms to Covent Garden. The flowers were cut from the Christmas flowering strain raised by A. C. Zvolanek, New Jersey, and they sold at remunerative prices. Engellmann, however, had the field to himself for a couple of months. Next season others are sure to send in early consignments, and this will spell low prices, as the early demand can only be a limited one. He has the advantage of competitors still, as he will introduce several new shades next season, having been hybridizing Zvolanek's strain for two years.

At flower shows sweet peas were never more extensively shown and at every show of note since the advent of April they have been in evidence and will continue throughout September, especially at the northern shows of Dundee and Edinburgh. The National Sweet Pea Society in addition to its London show held a provincial show at Ulverston.

Sports have created no end of trouble through growers putting them on the market before they were fixed, and in some trials 90 per cent were rogues, it being difficult to determine which was intended for the variety named on the label. In National Sweet Pea Society circles there is much talk about introducing drastic measures to prevent similar occurrences in the future, but it is difficult to control. When growers get a sport they want it on the market as soon as possible, knowing full well that two or three of their competitors are almost sure to have the same sport and the first on the market makes the money.

Enchantress, a very fine sport from an improvement upon Countess Spencer, created a sensation when flowers were sent to Covent Garden by Stark & Son, Norfolk, in April. It easily made double the price of any other variety, and the wires were kept active by florists telegraphing for larger consignments. It will be very extensively grown next season. It is a bold flower of a pleasing rosy pink shade and a capital variety under glass for early flowering.

Seed growers are satisfied with the present prospects. John S. Echford, son of the late Henry Echford, says the season has been all that could be wished for, and with another week or two of favorable weather an abundant crop will be safely harvested.

BEE.

New York Florists' Club.

There was a meeting of the New York Florists' Club September 9. It was the first meeting of the new season, and was well attended. Routine business disposed of, L. W. Wheeler, chairman of the outing committee, reported progress and promised a full report at the next meeting which should show a satisfactory financial ending.

Patrick O'Mara, for the committee on express conditions, reported that the committee had not taken any further steps, and was awaiting material on which to work further.

The transportation committee reported its action in connection with the trip to Dayton, made a statement of its disbursements and was discharged with the thanks of the club.

Henry H. Barrows, of Whitman, Mass., was elected to membership and A. Zvolanek, Henry Torry and Lester C. Lovett were nominated for membership.

The secretary reported that his communications to the Horticultural Society of California had been returned as "unclaimed."

A motion by L. W. Wheeler at the last meeting that the treasurer's appropriation for emergencies be increased from $5 to $50 was withdrawn by the mover for lack of support.

Committees on the preparation of memorials on the death of Roderick O'Mara and Jas. Weir, Jr., were appointed by the president, with instructions to report at the next meeting.

There was a lengthy discussion on the project of the national flower show, as taken up by the S. A. F. at the Dayton convention. E. V. Hallock who introduced the subject, and pointed out the emergency which confronted the board of directors due to the fact that the society while intending that the show should be a positive thing passed its resolutions with an "if" which precluded the directors from taking early steps in that direction unless they were prepared to do so at their own personal risk in the matter of expenses. As the convention had appointed committees in the matter it was thought that the way was clear to go ahead, but Mr. Hallock earnestly sought the opinion of the club.

The matter of changing the time for the 1908 convention he also discussed, and invited a consensus of opinion of the club in the matter also. Messrs. O'Mara, Lovett, Guttman, Butterfield, Lenker and others spoke on the matter of the change of date, generally in opposition to any change, and finally a motion by John Birnie that August was the proper month to hold the convention was unanimously carried.

It was an exhibition night for herbaceous plants. J. T. Lovett, of Little Silver, N. J., staged 65 varieties of phlox and 75 varieties of other plants, including Veronica longifolia subsessilis and Salvia azurea five varieties of gaiilardias and a dwarf boltonia, 1½ feet in height.

H. Beaulieu showed seedling dahlias, zinnias, and phloxes.

Washington.

AVERAGE TRADE FOR THE SEASON.

The week opened with very warm weather which did not tend to increased trade, though the retailers report an average trade for the season. Though it is hot under glass, a week of clear weather has made a noticeable improvement in stock, both roses and carnations taking hold well. Contrary to expectations, asters are still coming in considerable quantities. There are more dahlias than a week ago but as commercial factors they amount to little.

FLORISTS' CLUB MEETING.

The regular monthly meeting of the Florists' Club was held on the night of September 4, with a good attendance. The prize list for the rose show was the subject of considerable discussion. It is understood that individual prizes will be given by Peter Bisset, Geo. Field, Mr. Clarke of the Botanical gardens and others, particulars of which will be announced later. A committee was appointed to arrange for a banquet and smoker, for the date of next meeting, in honor of the club's bowling team for their good work at the Dayton tournament. A resolution was adopted inviting Prof. Norton of the U. S. Dept. of Agriculture, to address the club at its next meeting on his experiments and discoveries in the hybridization of carnations. An invitation was received from R. Vincent, Jr., & Son, White Marsh, Md., for the club to visit their place on September 19 for the purpose of inspecting their dahlias and, incidentally, to partake of the firm's hospitality. It is probable that quite a number of members will make the trip.

J. A. Shaw, who it appears in addition to his many and varied accomplishments, is a collector of bad debts, sent in through J. R. Freeman, a bill for $10 for collecting on advertisements which appeared in the Washington convention souvenir. As it is understood that Mr. Shaw had already received a commission on every advertisement that went into that publication, and further that he contracted for the New York ads, the justice of his claim is not apparent to the writer and others.

S. E.

BROOKLYN, N. Y.—M. Schulze will build a greenhouse, 19 x 48 feet, on Union street near Eighth avenue at a cost of $5,000.

F. W. HERENDEEN, OF GENEVA, N. Y., WITH HIS AUTOMOBILE AND FRIENDS.

Baltimore.

HEAT AND HUMIDITY AFFECTS STOCK.

We are having the hottest and most uncomfortable weather of the summer, the temperature being high and the humidity great. Fortunately the heavy rains which made the month of August phenomenal have ceased. The rainfall for that month was quite double the normal precipitation in this latitude, while in Washington, 35 miles south of us, the enormous aggregate for the month of 12 inches is reported. Many crops have been injured by the excess of moisture, but the growth of vegetation of all sorts has been very rank, and there has at no time been any browning of foliage and grass such as is usual to the midsummer season. Trade has kept fairly active. There seems to be some improvement in this locality as in others in the summer business and there is not that absolute stagnation which used to be looked upon as natural and to be expected. Perhaps the efforts to have better stock produced for the dull season has been a gain in that purchasers who want good flowers can be supplied. There has been a fair supply of roses, but now the aster crops are about over and the dahlias threaten to overwhelm the market.

NOTES.

Richard Vincent, Jr., & Son, of White Marsh, Md., have sent out widely invitations to members of the trade throughout the eastern territory to inspect the dahlias for which they are famous and the other specialties of their extensive establishment. Arrangements have been made for the through trains to stop at their station and visitors will be met by vehicles and transported to their place.

John Cook, with three of his daughters, is away on a trip to the highlands of North Carolina and will spend a week at Asheville. S. B.

Oceanic, N. J.

The Monmouth County Horticultural Society held its meeting September 7. Mr. Turner's paper, "Fruit Culture Under Glass" was postponed to the next meeting September 21. The final premium list for the chrysanthemum show was ordered printed. Mr. Turner showed some beautiful pears, Pitmaston, averaging 1¼ pounds each, and scoring 98 points. He also showed some Thos. Rivers peaches scoring 95 points. These fruits were grown under glass. B.

OBITUARY.

Mrs. Theodosia B. Shepherd.

Mrs. Theodosia B. Shepherd, well known in connection with California horticulture, died at her home in Ventura, Cal., September 6, after a lingering illness, in her sixty-first year. Mrs. Shepherd, through her Ventura establishment, has traded in a modest way with many of the commercial horticulturists of the United States and the world, supplying a general line of flower seeds and various California products in plants and bulbs and using in turn for her own business something of the products of other countries.

Mrs. Shepherd was a native of Iowa, removing to California in 1873 for her health. With a wonderful interest in flowers and need of outdoor life, she devoted herself to learning about and growing such seeds and plants as were in demand. Mrs. Shepherd's public work and writings have attracted a great deal of attention from amateurs not only in California but over all the country, she probably being the most noted woman in this line of work and she must be credited with having done much to stimulate interest in horticulture.

Following the funeral September 8 the body, after cremation, was interred at Rosedale cemetery, Los Angeles.

George W. Patten.

Geo. W. Patten, aged 53 years, died at his home in Dracut, Mass., September 1. He was well known in the city having been engaged in the florist business here for over 30 years. He is survived by his wife and one son Percy. After the funeral the remains were escorted to the depot and sent to Barton Landing, Vt., for burial.

James Warburton.

James Warburton, the oldest florist of Fall River, Mass., and well known citizen, was found dead in his home on the New Boston road September 4, from asphyxiation. A few days before Mr. Warburton fell and bruised himself. Dr. Richard J. Thompson, who attended him, called at the house, but was not able to get in. Finding all doors closed and locked and gaining no response to his knock, his suspicions were aroused and he forced an entrance into the house by breaking a window. A rush of gas escaped through the opening. In the bedroom the physician saw Warburton's body.

DAYTON CONVENTION EXHIBIT OF THE HERENDEEN MFG. CO., GENEVA, N. Y.

THE AMERICAN FLORIST

TWENTY-SECOND YEAR.

Subscription, $1.00 a year. To Europe, $2.00 Subscriptions accepted only from those in the trade.

Advertisements, on all except cover pages, 10 Cents a Line Agate: $1 00 per inch. Cash with Order.

No Special Position Guaranteed.

Discounts are allowed **only on consecutive insertions**, as follows—6 times, 5 per cent: 13 times, 10 per cent: 26 times, 20 per cent: 52 times, 30 per cent.

Space on front pages and back cover page sold only on yearly contract at $1.00 per inch, net.

The AMERICAN FLORIST Advertising Department is for florists seedsmen and nurserymen and dealers in wares pertaining to those lines only.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Monday to secure insertion in the issue of the same week. Address

AMERICAN FLORIST CO., Chicago.

When sending us change of address always send the old address at the same time.

We do not assume any responsibility for the opinions of correspondents.

THIS ISSUE 48 PAGES WITH COVER.

CONTENTS.

Florists' forcing bulbs and roots....347
—I. Lilium Harrisii (illus.).....347
Influence of artificial light on plants (illus.) 348
Deformed gladiolus spikes 350
The chrysanthemum 351
—Cultural reminders 351
The rose 351
—Roses to date and their requirements 351
—Diseased roses 353
—Smilax and roses in carnation house 353
Illinois Central Railroad's gardeners (illus.) 353
Fall planting of Dutch and other bulbs (illus.) 354
Notes on aquatic plants 355
Sweet peas in England 356
New York Florists' Club.....356
Washington 356
Baltimore 357
Oceanic, N. J. 357
Obituary 357
—Mrs. Theodosia B. Shepherd.....357
—Geo. W. Patten 357
—James Warburton 357
Toronto sympathy 358
The dahlia society 358
Detroit 358
Meetings next week 358
Kansas City 360
West Grove, Pa. 360
Illinois State Florists' Ass'n.....362
Chicago 362
St. Louis 362
Philadelphia 364
Boston 364
Orange, N. J.....364
New York 366
Buffalo 366
The seed trade 370
—Dickinson leaves Chicago board of trade 370
—The late Mrs. Theodosia B. Shepherd (portrait) 370
—Convention from seedman's standpoint 370
Glen Cove, N. Y.....371
The nursery trade 372
—Delphiniums 372
—Late flowering aquilegias 372
Louisville 374
Cleveland, O.....374
San Francisco 376
Toronto 376
Canadian national exhibition.....376
Massachusetts Horticultural Society 376
Montreal Horticultural Society.....376
Our pastimes 376
—Outing of Buffalo florists.....376
Montreal 380
Providence, R. I. 380
Utica, N. Y. 380
Special illustrations:
—F. W. Herendeen, of Geneva, N. Y., with automobile 357
—Dayton exhibit of the Herendeen Mfg. Co., Geneva, N. Y.....357

BLUE POPPY is the common name of Meconopsis Wallichii in England.

CHRISTMAS BELLS were not so much in evidence at Dayton as at former conventions.

WE are indebted to Editor Elias A. Long of the Acetylene Journal, Chicago, for the use of the illustrated article, "Influence of Artificial Light on Plants" which appears in this issue.

THE date on the yellow address label on your copy of THE AMERICAN FLORIST will show when your subscription expires. Please renew subscriptions promptly on expiration to make certain of receiving your copy of each issue.

Chrysanthemum Society o America.

OFFICIAL JUDGING SCALES.

The official scales of the society are as follows:

For Commercial Purposes.

Color	20
Form	15
Fullness	10
Stem	15
Foliage	15
Substance	15
Size	10
Total	100

For Exhibition Purposes.

Color	10
Stem	10
Foliage	10
Fullness	15
Form	15
Depth	15
Size	25
Total	100

Toronto Sympathy.

At the regular August meeting of the Toronto Gardeners' and Florists' Association the following resolutions were adopted and forwarded to Mrs. James Hartshorne:

"The officers and members of the Toronto Gardeners' and Florists' Association most sincerely sympathize with you in the great affliction you have suffered by the death of your husband.

'The members of this association feel that they have lost a true and kind friend, one who was always ready to do his part and more in assisting any of his brother craftsmen.

The members desire that you should know of the great esteem and respect in which he was held by them."

E. F. COLLINS, Sec'y.

The Dahlia Society.

On September 5, during the dahlia show held at the Horticultural hall at Boston, a dahlia society was formed. The temporary officers were chosen which consisted of H. T. Burt, of Condon, as chairman, and J. M. Fuld as secretary. A committee of five was appointed to arrange another meeting where details could be arranged and permanent officers elected. Over 25 enthusiastic dahlia growers, who were willing to sign their names toward the membership of this new society, were present at the meeting.

The secretary reports that he has up to date about 75 names on his list and expects 100 names before the society is launched. There seems to be a great interest aroused over the dahlia and no doubt the society will flourish and succeed.

Detroit.

The Florists' Club meeting September 5, while not largely attended, was nevertheless highly interesting. The subject for consideration was the S. A. F. convention at Dayton and the trip thereto. E. A. Scribner gave an exhaustive description of the convention city and its chief industry, the N. C. R. Co. He attended all the sessions of the S. A. F. meeting and was able to review its work with interest to his hearers. Others, in turn, recited their impressions of the week and all were unanimous in declaring it a most successful convention. A resolution highly commending the floricultural work of the N. C. R. Co. was adopted and a vote of thanks was given to the Dayton Florists' Club for the many courtesies extended by its members to our visitors while there. Much dissatisfaction was expressed by those present because of the contemplated change in the date for holding the annual convention from August to the month of November and hopes were entertained that the proposed change will not take place. One more member was added to the club's roll and one application received. The newly elected officers were installed and President Dilger announced that at the next meeting he would outline the season's work for the club and name the appointments on standing committees. J. F. S.

Meetings Next Week.

Boston, Mass.—Gardeners' and Florists' Club of Boston, Horticultural Hall, September 18.

Dayton, O.—Dayton Florists' Club, 112 South Main street, September 17.

Des Moines, Ia.—Des Moines Florists' Club, Iowa Seed Co.'s store, September 18, at 8 p. m.

Detroit, Mich. — Detroit Florists' Club, Cowie building, Farran and Gratiot avenues, September 19, at 8 p. m.

Hamilton, Ont. — Hamilton Gardeners' and Florists' Club, office of member, September 18, at 8 p. m.

Montreal, Que.—Montreal Gardeners' and Florists' Club, Alexandria rooms, 2204 St. Catharine street, September 17.

New Orleans, La.—New Orleans Horticultural Society, 125 St. Charles street, September 20, at 8 p. m.

Pasadena, Cal. — Pasadena Gardeners' Association, G. A. R. hall, East Colorado street, September 21, at 8 p. m.

Providence, R. I.—Florists' and Gardeners' Club of Rhode Island, 96 Westminster street, September 17, at 8 p. m.

Richmond, Ind.—Richmond Florists' Club, greenhouses of member, September 17.

Salt Lake City, Utah. — Salt Lake Florists' Club, Huddart Floral Co., 114 East Second South street, September 18.

Scranton, Pa. — Scranton Florists' Club, Guernsey building, September 21, at 7:30 p. m.

St. Louis, Mo.—Plant and Cut Flower Growers' Association, September 19, at 3 p. m.

Toronto, Ont. — Toronto Gardeners' and Florists' Association, St. George's hall, Elm street, September 18, at 8 p. m.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

Cash with Adv.

Plant Advs. NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1906 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

Situation Wanted—By first-class orchid grower and gardener, fully up-to-date; best of references. Address Key 755, care American Florist.

Situation Wanted—By man 14 years' experience, first-class, all around man where first-class stock is grown; A1 potter and propagator. Small place preferred in Indiana, Illinois or Kentucky. Address Key 778, care American Florist.

Situation Wanted—By first-class florist and landscape gardener, capable of managing a gentleman's estate, public institution or large commercial place; 23 years' experience, Europe and this country; A1 references; good salary expected. Key 774, care American Florist.

Situation Wanted—As foreman by a practical grower of cut flowers and plants, etc., capable of managing a large plant and having the work done in a scientific way; first-class references as to ability, etc.; give particulars. Address
Key 777, care American Florist.

Situation Wanted—Position as manager and bookkeeper of good place; have such a position now; would like a change; understand employing help, the growing of general stock and vegetables also hot water and steam heating; will want a good salary. Address
113 Dutchess Ave., London, Canada.

Situation Wanted—Sales manager (practical nurseryman), desiring to make a change, would consider partnership, commission or salaried proposition; accustomed to handle by correspondence large force of agents; competent to install modern office system in retail nursery agency business. Key 775, care American Florist.

Help Wanted—good rose grower. Address
UNITED STATES CUT FLOWER CO.,
Elmira, N. Y.

Help Wanted—Young man from 16 to 20 years of age, to learn the florist business. Apply to
JOHN L. WYLAND De Haven, Pa.

Help Wanted—A man having some knowledge of growing bedding plants; $50 per month to start.
SHOTWELL & GRAVER, Fargo, N. Dak.

Help Wanted—A first-class carnation grower. Wages $45.00 to $50.00 per month; send references.
HASKELL AV. FLORAL CO., Dallas, Texas.

Help Wanted—Experienced help for rose and carnation section; also general florist's work.
THE GASSER CO., 234 Euclid Ave., Cleveland, O.

Help Wanted—One good nurseryman and good propagator wanted at our nurseries good wages to right man. VAUGHAN'S SEED STORE, Chicago.

Help Wanted—Good, experienced gardener, reliable and sober. Address
MRS. THOS. WILCE,
708 W. Harrison St., Chicago, Ill.

Help Wanted—At once; capable man to take charge of 20,000 feet of glass in carnations; $50.00 per month to start.
J. W. DUNFORD, Clayton, Mo.

Help Wanted—By October 1, an intelligent young man as orchid grower, with 3 or 4 years' experience. None others need apply. Address
F. VARDEN, 26 Summerfield St,
Fall River, Mass.

Help Wanted—At once, good grower of cut flowers and plants; single man preferred; must be well recommended State salary expected, with room and board. JOHN DIECKMANN & CO.,
Wheeling, W. Va.

Help Wanted—Foreman to take charge of wholesale place, 22,000 feet glass. Must be good grower of roses and carnations. Wages $75.00 per month. Apply at Room 326, Sherman House, Chicago, Ill.

Help Wanted—Bright, attractive, experienced lady to take charge of floral store in Kalamazoo, Mich. Must be able to do decorating and first-class funeral designs. Apply by letter with references to LOCK BOX 855, Kalamazoo, Mich.

Help Wanted—An experienced man to work in one of the leading flower stores in Hartford, Conn. Must be a good designer and decorator and know how to wait on the best class of trade. Applicant please state age, married or single, wages expected and also give references Address
Key 776, care American Florist.

Help Wanted—There is a vacancy in our greenhouses for one or two young men who desire to study practical horticulture as pupils under a competent instructor, whose specialties are ferns, mushrooms, choice cut blooms and plants, cucumbers, tomatoes, under glass for profit. Address
Key 779, care American Florist.

Help Wanted—Man for store; must have had wide experience in designing and decorating, accustomed to waiting upon high class trade, and come well recommended. Steady position and good salary to the right person. Give full particulars with application and state salary expected. Address RANDOLPH & MCCLEMENTS,
Highland Ave. and Baum St., Pittsburg, Pa.

For Sale—2,000 feed of good, heavy, 4-inch boiler flues at 8 cents per foot. Address
JOSEPH LABO, Joliet, Ill.

For Sale—Nine greenhouses, dwelling house and barn, 3½ acres of ground. For particulars address
P. O. Box 109, Newtown, Bucks Co., Pa.

For Sale or Rent—Store and five small greenhouses, with or without dwelling, on street car line; only florist in town; cause sickness.
548 119th St., West Pullman, Chicago.

For Sale—Glass, 10 x 12, double strength A. Great bargain for the lot. Address
BRANT & NOE FLORAL CO.,
W. Peterson and N. 48th Aves., Chicago, Ill.

For Sale—5,000 feet of 3½ and 4-inch boiler flues with couplings, 16 to 18 feet long, at 8c and 9c per foot; ells and tees half price; also two special made water jacket boilers, each able to heat 4,000 to 5,000 feet of glass; cheap if sold at once; can ship by rail or water. Address
GEO. VATTER, Marinette, Wis.

For Sale—Worthington duplex steam pump, capacity 30-40 gal. per minute in good condition, $45.00; No. 1 receiver and fittings for pump, good as new $50.00. Dean pump for hand or steam, almost new, $20.00; 6-inch pressure regulator, used two seasons, $50.00; 2½-inch pressure regulator, $18.00. Carnation supports, $15.00 per 1000; $125.00 for 10,000. JAMES W. DUNFORD, Clayton, Mo.

FOR SALE.

At a sacrifice, greenhouse well stocked and long established business of the late J. P. Coen, Lexington, Mo., one of the best paying little businesses in the country, and in perfect condition; no competition within 30 miles. The place consists of 3 greenhouses 85x20, 1 lean-to and cold frames, 1½ acres of ground, an excellent 7-room house, with all modern conveniences, steam heat, electric light, etc., out-houses, good barn, laundry, chicken houses, etc. The entire place is lighted with electric light, heated with self-regulator steam boiler, and city water throughout the grounds and houses. Good wholesale trade as well as retail. Lexington is noted for its colleges and schools; one boys' military academy, two girls' colleges and a number of minor schools, all of which keeps the cut flower business very brisk during the school season. The place can be bought for $6,500, which amount wouldn't pay for the improvements; $2,000 cash, balance to suit. For further information address
ARTHUR NEWELL,
12th & Baltimore Aves., Kansas City, Mo.

GOOD HOT WATER BOILERS

for florists' use, cheap. Address
Box 966, Wilmington, Delaware.

FOR SALE.

Des Moines, Iowa, wholesale and retail greenhouse establishment, 29,000 feet of glass, three acres of ground, well located, all in good order, with good wholesale and retail trade. Price $8,000; terms reasonable.

VAUGHAN'S SEED STORE
CHICAGO.

GLASS.

We have for sale a lot of 16x18 glass A. & B. D. S., at a low price.

A. DIETSCH CO.,
617 Sheffield Ave., CHICAGO.

FOR SALE.

Three greenhouses, well stocked, with large assortment of ferns; ample space for hotbeds. Cheap if taken at once. Address

C. T. NEIGLICK, 240½ N. State Street, CHICAGO.

FOR SALE.

Several thousand feet old four-inch cast iron heating pipe at Humboldt Park greenhouse.

JENS JENSEN, General Superintendent Union Park. CHICAGO.

If anyone with

$4,500.00 CAPITAL

wants an up-to-date florist establishment that pays over $5,000.00 per year, he can get it with satisfaction guaranteed by writing

W. BUTLER,
FLORIST,
CHILLICOTHE, . - OHIO

BOILERS.

One 80 H. P., one 40 H. P., return tubular one 32 H. P. upright tubular, for sale at buyer's price. Must be moved at once. Address
1416 Washington Ave.,
PHILADELPHIA.

For Sale for $6,000.

IT WILL PAY YOU TO INVESTIGATE THIS.

The only greenhouse in growing city of nearly 3,500, in Southern Wisconsin. Six houses; four are 16x40, two are 16x70, with 7,000 sq. ft. of glass; all houses well piped and in good condition.

One acre of beautifully situated land on Rock River, three blocks from business center of city, with 300 feet of river front and good boat house

Good nine-room house, large woodshed and barn. Good supply of carnations, roses, chrysanthemums, ferns, palms, and many other plants, besides fruits.

No. 9 Kroeschell boiler, and extra boiler. City water. Owner too old to continue in business. Has **good** business worked up for a man with business ability. **Rigid investigation of this proposition desired.** Address at once

A. M. WEBB, Fort Atkinson, Wisconsin.

GLASS FOR SALE.

We have for sale a quantity of A. and B. double thick, Pennsylvania hand made, tank glass, all of which runs exceptionally uniform in quality and thickness. Terms cash. Inquiries solicited.

King Construction Co.
NORTH TONAWANDA, N. Y.

Auction Sale!

50,000 Feet of Greenhouses,

The entire plant of **Philip Caswell, Newport, R. I.,** near One Mile Corner; including all glass, frames, sheds, lifting apparatus, one 12 section Scollay boiler, five years old; one round, No. 5 Scollay boiler, five years old; four No. 5 Weatherhead boilers, expansion tanks; 7,000 feet 4-inch iron pipe, 1,500 feet 4-inch boiler tube, 500 feet rubber hose, lot of odd pieces of pipe, valves and couplings; lot of tools, 200 lbs. No. 16 galvanized wire, 15,000 flower pots, 2, 3, 4 and 6-inch; lot of floral wire designs and letters; also farm tools, poultry, brooders, etc.

Newport and Fall River electrics, and Newport and Providence electrics run by the place.

Sale at 10 o'clock A. M.,

Thursday Sept. 20 1906, RAIN or SHINE.

OFFICIAL S. A. F.

Shipping Labels

FOR CUT FLOWERS; in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red Price per 500, $2.85; per 1000, $4.50. Samples on request. Electro of leaf, postpaid, $1.25.

American Florist Co.
324 Dearborn St., CHICAGO.

Kansas City.

THE MARKET.

The smart set is arriving by twos and fours which means prosperity for the florists. The opening of schools and theaters and the closing of summer gardens and parks will serve to the advantage of those in the downtown districts. Conditions of stock denote neither an influx nor scarcity in any class save carnations which are yet short-stemmed and small. American Beauty is improving slightly every day. Bride and Bridesmaid are to be had with little difficulty. Kaiserin is dropping off in quantity. Chatenay, Richmond and Liberty are making some improvement in size and stem. Good late asters are rapidly taking the place of the early varieties which were poor this season. Other outdoor stock that is to be seen are Clematis paniculata, L. auratum, dahlias and gladioli. Some very creditable Lilium Harrisii is to be had. The outlook for trade this fall and winter is exceedingly encouraging. Throughout the western trade territory adjacent to this city comes assurance of big crops. In fact industry, in all branches, displays more snap and sales. Shipments and outputs increase as cooler weather sets a period to the vacation season, and fall activities become more pronounced. Fruit crop reports from points in the Missouri valley indicate the largest yield in years. In fact prosperity is in evidence at every turn. One noticeable feature is the increase in greenhouse area. Additions having been made this summer to nearly every establishment. Stores present evidence of enlargement and redecorating. Growers are making preparations for an increased plant trade. Each year makes a new record in sales in this department. A visit to the growers readily impresses one with the extensive variety of this class of stock. The condition of roses and carnations is very good, the plants are clean and in a remarkably healthy state. Taken altogether there is a general feeling of satisfaction with the increase of the fall trade.

NOTES.

Sam'l Murray will have an exceptionally fine lot of Begonia Gloire de Lorraine. The plants shown by him at our show last fall made a lasting memory for his accomplishments with that truly beautiful plant. He declares this year's plants, which in June were in 2-inch pots and now in 7 and 8-inch pans, with fine heads measuring from 12 to 20 inches, are far ahead of those shown last fall. At our visit we found Mr. Murray himself busy shifting a fine lot which he says are from four to six weeks ahead of those exhibited last year.

One of our leading department stores in a special sale last Saturday advertised 2,200, "healthy, hardy growing palms and ferns." They were a bargain on account of their "natural hardiness." The palms were sold for 25 cents. Ferns were graded in four lots for 25 cents, 48 cents, 75 cents and 98 cents.

Chas. Heite, of the W. L. Rock Flower Co., expresses much satisfaction in the showing the chrysanthemum plants are making. At his place one may see them in perfection. Every conceivable shape, size and color are being grown for the fall trade.

One of our trade who recently visited Denver and several western cities remarked that he had little difficulty in obtaining THE AMERICAN FLORIST no matter where or how remote the establishment.

Weddings are becoming more numerous as the season advances. Several large affairs last week caused a demand for choice stock in lily of the valley, orchids, etc., and kept some of the boys busy.

Miller Carter, of the W. L. Rock Flower Co., returned last week from Colorada and the west. Mr. Rock is spending his vacation fishing in the White river country of Arkansas.

Mr. McNamara, of Mangelsdorf Bros. Co., Atchison, Kans., was in the city recently. He reports an increase of 50 per cent over last year's business.

Miss Daley is making some improvements at her store. Geo. Thomas, formerly with the Kansas City Floral Co, is now in her employ.

Miss Moseley is back from the convention and expresses much satisfaction in the Dayton meeting.

Rhododendrons, azaleas, cyclamen, etc., are to be seen in endless quantities at Kellogg's.

Edw. Ellsworth in company with A. Ebberfield returned from Dayton and the east.

Robt. Tindale, of Independence, is in the market daily with a fine lot of asters.

Raymond Blessing and wife are resting in the southern part of the state.

Arthur Newell is in Texas making purchases of land.

K. C.

West Grove, Pa.

Mark B. McHenry, assistant cashier of West Grove National Bank, has purchased of Benjamin Connell the residence, farm and greenhouses of the latter, lying partly within the borough limits, to the east. The property contains 22 acres, finely located and valuable for building sites. For 20 years the late owner has conducted a flourishing greenhouse business thereon, a number of such houses with storage cellars, etc., being on the premises in addition to a modern residence and other buildings.

Mr. McHenry later sold the residence, greenhouses and two acres of land to Ferd Groce. Mr. Connell will continue to run the greenhouses until April 1, 1907, although possession of the house is given October 1, next. Mr. Connell intends to retire from business.

PITTSFIELD, MASS.—R. Engelman & Son have purchased the Davis place adjoining their property near the Pleasure park and will erect several new greenhouses.

GENESEO, N. Y.—The second annual flower carnival of the Methodist church closed August 31 and was a great success financially as well as in the matter of attendance.

ARAUCARIA EXCELSA.

As usual at this season of the year we are again carrying an immense stock of Araucarias which we offer at very favorable prices. These plants travel safely by freight to reasonable distances at this season of the year. Why not lay in a sufficient supply now to carry your sales through the holidays, saving heavy transportation charges later on.

ARAUCARIA EXCELSA.

5-inch pots, 8 to 10 inches high, 3 tiers	$ .65 each
6-inch pots, 12 to 14 inches high, 3 to 4 tiers	.75 each
6-inch pots, 14 to 16 inches high, 4 tiers	1 00 each
6-inch pots, 16 to 18 inches high, 4 tiers	1.25 each
7-inch pots, 20 to 22 inches high, 5 tiers	1.50 each

ARAUCARIA EXCELSA GLAUCA.

5-inch pots, 8 inches high, 2 tiers	$ .75 each
6-inch pots, 13 to 15 inches high 3 tiers	1.25 each
7-inch pots, 22 to 24 inches high, 4 to 5 tiers	2.00 each

ARAUCARIA ROBUSTA COMPACTA.

5-inch pots, 10 inches high, 2 to 3 tiers	$1 25 each
6-inch pots, 12 inches high, 3 tiers	1.50 each

For a complete list of seasonable Plants, Bulbs and Seeds, see our current Wholesale List.

HENRY A. DREER, 714 Chestnut St., PHILADELPHIA, PA.

Ferns

Extra Fine and Cheap.

from bench, Boston, 3-inch, 5c; 6-7-inch, 15c. Boston and Piersoni, 4-inch, 10c.; 5-inch, 12½c. Tarrytown, 3-inch, 10c.; 4-inch, 15c; 5-inch, 25c; Tarrytown Runners, $20.00 per 1000. Scottii, 3-inch, 8c; 4-inch, 12½c; 5-inch, 15c.

PRIMROSE, Chinese, white, strong, 2-in., 1½c.
JERUSALEM CHERRIES, field-grown, for 4-in., 3c.
FLOWERING BEGONIAS, 8 kinds, 2-inch, 2½c.
REX BEGONIAS, 3-inch, 6c.
ASPARAGUS SPRENGERI, 2½-in., $2.00 per 100.

Cash or C. O. D.

BYER BROTHERS,
CHAMBERSBURG, PA.

Please mention the American Florist when writing.

Nephrolepis Scottii.

Small plants from the benches, $5.00 per 100; $50.00 per 1000. Plants large enough for 6-inch pots, $25.00 per 100. Plants large enough to go in 7 and 8-inch pots, $50.00 per 100.

Asparagus Plumosus Nanus, 2¼-inch, fine plants, $3.00 per 100.

JOHN SCOTT,

Rutland Road and East 45th Street, **BROOKLYN, N. Y.**
Telephone 2890 Bedford.

Please mention the American Florist when writing.

SUPPLIES FOR

WESTERN FLORISTS.

We carry a full assortment and can save you time and money.

Ask For Price List.

The Barteldes Seed Co.
DENVER, COL.

Please mention the American Florist when writing.

PANSIES.

Brown's Extra Select Superb Giant Prize Pansies.

Awarded silver medal St. Louis Exposition, 1904.

Plants, mixed colors, in any quantity, $3.00 per 1000. Cash with order.

PETER BROWN,
LANCASTER, PA.

Please mention the American Florist when writing.

RICE BROTHERS

WHOLESALE 113 N. 6th St.,

SHIPPERS of home grown Cut Flowers, comprising the newest varieties of blooms. Full line of supplies and decorative greens. Trial order solicited. Weekly price list issued.

MINNEAPOLIS, MINN.

GOV. HERRICK THE COMING VIOLET

One that produces three times as many flowers as any violet ever offered for sale. It will please you. Order at once. Prices: $2.00 per doz.; $10.00 per 100; $75.00 per 1000; 5,000 or more at $60.00 per 1000. Send for description today.

H. R. CARLTON. Willoughby, O.
INTRODUCER and ORIGINATOR.

NEW CROP SOUTHERN WILD SMILAX

The Man Who Gave You The Wild Smilax.

Is Now Ready for Shipment.

Twenty-four (24) hours notice necessary on telegraphic orders.

Caldwell The Woodsman Co.
EVERGREEN, ALABAMA.

WE HAVE IT! THE HIT OF THE CONVENTION!

BEAVEN'S FADELESS SHEET MOSS.

FROM THE AMERICAN FLORIST. The Judges' Report, Aug. 25.

Awards made by the judges as follows: E. A. Beaven, Evergreen, Ala., fadeless sheet moss, highly commended.

FROM THE FLORISTS' EXCHANGE, August 25, 1906.

The Awards to Miscellaneous Supplies:

Beaven, E. A., Evergreen, Ala.—Sheet moss chemically treated, a very useful article. Highly Commended.

E. A. Beaven, Evergreen, Ala., attracted a great deal of attention with his exhibit of fadeless sheet moss, and also exhibited everything that is worth while in southern evergreens.

Packed in bags of 100 sq. feet. Price per bag, $3.50; New York, Philadelphia or Chicago expressage allowed. For sale by Florists' Supply Houses everywhere, or can be had direct from the introducer.

Send for Free Samples.

J. B. Deamud, Chicago, Ills., Northwestern Agent.

SOUTHERN WILD SMILAX NOW READY.

E. A. BEAVEN, - Evergreen, Ala.

New Crop Dagger and Fancy Ferns

$1.00 per 1000.

FOR EVERY OCCASION.

HARDY CUT DAGGER and **FANCY FERNS,** per 1000..1.00
Discount on large orders.
BRILLIANT BRONZE and **GREEN GALAX,** per 1000.. 1.00
10 000 lots $7.50.
BOUQUET GREEN, per hundred yards..... 7.00
LAUREL FESTOONING, good and full, 5c to 6c per yard
LAUREL WREATHS, per dozen..... 3.00
BRANCH LAUREL, per bunch.....$ .50
BOXWOOD, per pound..... .20
LEUCOTHOE SPRAYS, per hundred..... 1.00
GREEN and **SPHAGNUM MOSS,** per barrel 1.00
LYRATA, which makes a fine substitute for decorations for June.

Also headquarters for all Florists' Supplies, such as **Milkweeds, Wire Designs, Cut Wire,** all kinds of **Letters, Immortelles, Cycas Leaves,** sheaves of **Wheat, Ribbons, Corrugated Boxes** of all kinds, etc.

HENRY M. ROBINSON & CO., L. D. Phone 7618 Main. **8 to 11 Province St., Boston, Mass.**

Extra Fine New Crop **FANCY FERNS** **$1.00 per 1000** Discount on large orders.

GALAX.....per 1000, $1.25

Send for our weekly price list on Cut Flowers. Let us have your standing order for Ferns; will make price right all through the season.

MICHIGAN CUT FLOWER EXCHANGE
WM. DILGER, Mgr. 38 and 40 Broadway, formerly Miami Ave., DETROIT, MICH.

Chicago.

TRADE BRISK.

Trade conditions improved this week, although there was but little complaint at the business of the week before. The local trade shows a gradual increase while the shipping business assumes very satisfactory proportions. There is a large variety of stock coming into the market at present, much of it good and much that sells at indifferent prices. The increasing humidity of the past few days has left its mark on roses and carnations, but in spite of this, there are sufficient quantities of fine stock to meet all demands. Many houses are daily receiving large consignments of choice roses among which American Beauty stands pre-eminent. The stock is unquestionably fine, most of it being long-stemmed and clean. It moves easily and brings normal figures. Kaiserin, Chatenay, Perle and Golden Gate were plentiful earlier in the week but the supply shortened up considerably with the warm weather. The more popular varieties such as Bride, Bridesmaid and Liberty look very well for the greater part and can be had in any quantities desired at normal prices. Carnations are abundant. They are mostly small in flower with soft centers and altogether somewhat below the standard. Boston Market is not so plentiful as a week ago while the amount of Enchantress to be had has decidedly increased. Gladioli still remain abundant and move slowly. Asters are again arriving in absurdly large quantities and a glut, with slaughtered prices, seems imminent. The quality of the stock shows great improvement but this evidently does not prevent it from becoming a drug. Outdoor stock of all kinds is suffering severely from the drought.

NOTES.

The Foley Mfg. Co. is mailing its excellent souvenir steel tape measure, giving the English system of measurement on one side, and the metric system on the other. This is the souvenir that was advertised in our Convention Number for distribution to those who cut out and sent in the coupons in the advertisement in our columns. Those who failed to do this missed a good thing.

Reports from the neighborhood of Niles Center would indicate that the present drought will seriously injure the carnation crops. The river, which has always proven an old stand-by, is now dried up while all of the shallow wells and many of the deeper ones are practically without a supply.

Poehlmann Bros. are handling one of the finest stocks of roses seen on the market this summer. They have a large selection of fine long-stemmed Bride, Bridesmaid, Liberty, Chatenay, Killarney, Kaiserin and American Beauty.

Bert Budlong has loaned the use of his soil pulverizer to Poehlmann Bros. to serve as a model for the erection of two similar machines at a cost if $1,000. Poehlmann Bros. estimate that it will soon pay for itself.

A. L. Vaughan returned from his Michigan trip last week. He reports crops in the neighborhood of Detroit in fine condition. The firm is now handling daily consignments of an extra fine quality of asters.

F. W. Martin, 280 E. Fortieth street, is rebuilding two of his houses. The remaining houses will be rebuilt next season. Mr. Martin, who is doing quite a business in the potted plant line, reports trade excellent.

A. Lange is exhibiting a number of mammoth yellow chrysanthemums which attract a good deal of attention. He has passed the last two weeks with his family in Nebraska.

E. A. Asmus, of Vaughan's Seed Store, intends locating at Bellingham Bay, Wash., where he expects to engage in the bulb growing business.

P. J. Hauswirth and Geo. Asmus with their wives left for Niagara Falls September 7 to attend the Red Men's annual Powwow.

Henry Weiland, son of M. Weiland, was recently married here, and returned to Denver with his bride September 10.

Miss Tonner of the A. L. Randall Co. is again back at her old stand after a pleasant and successful voyage.

The families of J. A. and A. H. Budlong returned from their summer home at Lake Geneva last week.

Peter Reinberg is back from his hunting trip. He is a good shot and bagged a fine lot of ducks.

J. A. Budlong is cutting a large crop of extra fine long-stemmed American Beauty.

Visitors: E. J. Fancourt, with S. S. Pennock, Philadelphia, Pa.; D. MacRorie, with the W. A. Manda Co., So. Orange, N. J.; Joseph Wagner, Beaver Dam, Wis.; Martin Reukauf, with H. Bayersdorfer & Co., Philadelphia, Pa.; E. Bock, Burlington, Ia.; Wm. Walker, Louisville, Ky.; A. E. Lutey, Houghton, Mich.; C. E. Franke, superintendent of parks, Oklahoma City, Okla.; E. C. Green, College Station, Tex.

St. Louis.

MARKET FIRMER.

The first week in September opened up with a firmer market. School openings, store openings and several prominent funerals helped to swell the increased volume of business. Roses have greatly improved, especially Bride, but the very warm weather has been hard on certain varieties, especially Chatenay, Richmond and American Beauty. Retailers complain about the high price of American Beauty on account of its keeping qualities. It seems now more that ever that the general public has been educated to purchase blooms in hud only. People will not take open roses. Some fine asters are in the market.

NOTES.

By far the most important event of the week was the opening of the new department store of the Grand Leader. It certainly was a great boom to the local florists in general. Almost every prominent florist in the city had orders for this opening. It is safe to assert that never before in the history of the city have so many plants or so many set pieces and loose flowers been sold for any one occasion. Several of the largest designs were from out-of-town parties. The demand for American Beauty was immense and all four wholesale houses had their hands full filling orders. Several thousand asters were disposed of. The sight of so many flowers and plants amidst such costly fabrics was a sight that will long be remembered. Among those who were drawn on very heavily for flowers for this opening were Young & Sons, the Riessen Floral Co., F. C. Weber, Geo. Waldbart, the Townsend Floral Co., Miss Theresa Badaracco, Siegel & Burke, Fred Foster and Ostertag Bros.

The next meeting of the Florists' Club will occur on Thursday. The installation of officers for the coming year will be the feature. It is to be regretted that this city will be without a flower show this fall. Cannot some good orator in the club get up and make a speech on harmony and brotherly love and not allow personalities and jealousies to get the better of individuals and thus promote the welfare of the florists at large?

The Bentzen Floral Co. had a large sale of Boston ferns at their store on Herbert street. They cleaned out at a very handsome profit. Next week Otto will have his hands full with wedding orders.

August Hartman, of Kirkwood, has erected two new houses for carnations and violets. He has started cutting carnations and expects a fine crop of violets.

Ludwig Zimmer has one of the prettiest cut-flower and plant stands at Biddle Market. He has a large trade with the middle class, which is very profitable.

Emil Schloss, of Schloss Bros., of New York, dealers in ribbons, was a visitor here.

J. F. Wilcox, Council Bluffs, Ia., shipped some fine American Beauty to this market.

Heller Bros., of New Castle, Ind., are sending in some first-class Bride roses.

W. F.

Illinois State Florists' Association.

We are advised that at the suggestion of President Ammann of the Illinois State Florists' Association a supplementary premium list is being prepared in which additional prizes are offered in the floricultural section of the Illinois state fair, which we believe will open at Springfield September 28. President Ammann is anxious that the florists of the state make as good display as possible with a view to securing a separate building for floriculture at the state fairs of the future. The supplementary premium list will be in the hands of the trade within a few days and entries should be made without delay.

LOS ANGELES, CAL. — Col. C. M. Heintz, editor of the Rural Californian, dropped dead September 6 of heart disease without any warning of his trouble. He was located in this city for some 25 years and was editor of the Rural Californian during that period.

Bassett & Washburn
76 & 78 Wabash Ave., CHICAGO,
Wholesale Dealers and Growers of **Cut Flowers**
GREENHOUSES: HINSDALE, ILL.

E. H. Hunt,

WHOLESALE

Cut Flowers

"THE OLD RELIABLE."

76 Wabash Ave., ...CHICAGO.

Please mention the American Florist when writing

E. C. AMLING

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

32, 34, 36 RANDOLPH ST.,
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Please mention the American Florist when writing

WEILAND & RISCH

Wholesale Growers and Shippers of
CUT FLOWERS
59 Wabash Ave., CHICAGO
'Phone Central 879.
Write for our wholesale price list.

WHOLESALE FLORISTS

Please mention the American Florist when writing

Jensen & Dekema

CARNATION SPECIALISTS

674 W. Foster Ave., CHICAGO.

Please mention the American Florist when writing

SINNER BROS.

WHOLESALE CUT FLOWERS
60 Wabash Ave., Chicago.
Careful attention to all
SHIPPING ORDERS.

Please mention the American Florist when writing

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty.....

WHOLESALE GROWER of CUT FLOWERS

Chas. W. McKellar

51 Wabash Ave.,
CHICAGO.

ORCHIDS
A Specialty,

Fancy Stock in VIOLETS, VALLEY, ROSES, BEAUTIES, CARNATIONS and a full line of all Cut-Flowers. Greens, Wire-Work and FLORISTS' SUPPLIES.

Send for Complete Catalogue.

Wholesale Flower Markets

CHICAGO, Sept. 12.

Roses, Beauty, 30 to 36-in. stems		4 00
" " 20 to 24 "	2.50@	3.00
" " 15 to 18 "	1.50@	2.00
" " 12 "	.75@	1.00
" Liberty, Chatenay	3.00@	6.00
" Bride, Bridesmaid	3.00@	6.00
" Golden Gate	3.00@	6.00
" Killarney, Richmond	4.00@	10.00
Carnations	1.00@	1.50
" fancy		2.00
Lily of the valley	2.00@	4.00
Harrisii lilies, per doz. $1.50		
Asparagus plumosus, per string 35 to 50c.		
" " .35@ 1.00 per bu.		
" Sprengeri	2.00@	4.00
Galax leaves, per 1000, $1 25		.15
Adiantum	.75@	1.00
Fancy ferns, per 1000	1.50	
Smilax, per string, 10c @12½c		
Sweet peas		.50
Asters	1 50@	2.00
Auratum lilies, doz., 1.50		

Poehlmann Bros. Co.

Wholesale Growers of
and Dealers in Cut Flowers.
All telegraph and telephone orders given prompt attention.

Greenhouses: MORTON GROVE, ILL.
35-37 Randolph St., CHICAGO.

WIETOR BROS.,

Wholesale Growers of Cut Flowers

All telegraph and telephone orders given prompt attention.

51 Wabash Ave., CHICAGO.

J. B. DEAMUD CO.

Wholesale Cut Flowers,

51 and 53 Wabash Ave., CHICAGO.
Long Distance Phone Central 3155.
Consignments of Choice Flowers Solicited.

The Geo. Wittbold Co.

1657-1659 Buckingham Place, CHICAGO.

The only retail florist in Chicago who grows his own cut flowers.

FUNERAL WORK ORDERS, OUR SPECIALTY.

Be your own Commission Man

THE
FLOWER GROWERS' MARKET
furnishes the facilities.
See PERCY JONES, Mgr.
60 Wabash Ave., CHICAGO.

Vaughan & Sperry,

Wholesale Florists,

58 and 60 Wabash Ave., CHICAGO.

WRITE FOR SPECIAL PRICES.

Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO.
Telephone, Central 3384.

Please mention the American Florist when writing.

PETER REINBERG

Grower and Wholesaler of Cut Flowers.

1,200,000 feet of glass
Headquarters for American Beauty.

51 Wabash Ave., CHICAGO.

Always mention the American Florist when you order stock.

KENNICOTT BROS. COMPANY

40-42-44 Randolph St., CHICAGO.

Our reputation has always been that we fill orders when others fail. All stock in season at Lowest Market Rates.

THE BENTHEY-COATSWORTH CO.

35 RANDOLPH ST. WHOLESALE FLORISTS CHICAGO.

Philadelphia.

THE MARKET.

Business is very dull, there being but little more activity than for the last of August. Just at present the hot spell which has been sent us by the weather man is blamed for it. How that poor weather prognosticator has to suffer. There is a great plenty of stock in all lines. Most of it is improving. First cuts of a number of winter rose houses appeared this week and looked promising. There should be but little scarcity of American Beauty or red and pink roses the coming season judging from these initial shipments. Although there was a great loss of carnation plants in the field, yet now that they are nearly all housed there seems enough to fill all the old and also the additional houses, about 10 per cent. having been added to the various carnation plants that supply this market.

NOTES.

Wm. McKissick's first business birthday fell on September 3 and was duly celebrated by him with a nicely arranged display of his large and varied stock. None of the large houses now in the business could have made anything to compare to this showing on their first anniversary, as the flowers were not then in the market, which goes to show the wonderful strides made in the business during the past 10 years. The "good old times" of the commission business can not compare to the opportunities of the present day in this line. There is a positive and ever increasing demand for choice stock of all kinds and the house that can command this has no need of pedigree to place it at once in the front ranks.

Alfred Jones, of S. S. Pennock's, says that a visit among the violet growers shows the plants to be in good shape with every prospect for a good supply for the coming season. This firm has added a new ice box to its basement cold storage which will about double the present capacity.

Chas. Meehan returned from his western trip last week and says that the entire bank deposit was not kept in the Real Estate Trust Co., they having an active account in a nearer financial institution. He does not think the Market Co. will lose anything by the failure except that its funds will be tied up for a time. The affairs of this company are now looking better, the directors are back of a large fund and this with other assets, together with the help of the largest creditors, it is hoped will put the institution on its feet again in a short time.

Wm. Graham has sold his property at Logan and is now moving into the old homestead at the greenhouses.

S. S. Pennock is taking a sea trip to Florida for the benefit of his health.

Pittsburg.

MARKED IMPROVEMENT.

September did not open with the expected rush of business but it is a great improvement over the past few weeks. The shipping trade is getting better as little by little the local outside flowers drop off. Asters have never been finer nor more plentiful, white predominating; 30-inch stems are common with blooms proportionate. Gladioli remain a glut. Roses are equal to the demand. Carnations are still short. Lily of the valley is in fair demand. Dahlias lay around every where; no one will touch them. The prospects are that the chrysanthemum crop will be the best this year.

NOTES.

Joseph Jones is remodeling his place at Liberty street and Fifth avenue. When completed Joe will have a thoroughly up-to-date store.

A. W. Walker, Mr. Bassingler, of the Templin Co. and Robt. Schenk, all of Youngstown, O., called during the week.

Lee Riley is no longer with the Florists' Exchange, having taken a position in his home town.

The last Florists' Club meeting was devoted to outside flowers.

Mrs. Williams is back from her trip down east.

Mrs. Koerbel, of Jeannette, was a caller Friday. J.

Boston.

TRADE GROWING IN VOLUME.

The summer is practically ended and with Labor day the homeward journey for the majority began but not until after Thanksgiving will the last of the exclusive class return from their country residences to which they flock from the seashore resorts. Each day, however, an increase is apparent and reports this week are very promising for a good season later on. There has been an unusual demand for funeral work, in spite of the magnificent weather. American Beauty has been the stand-by of the cut trade. From different sources it is being received in large quantities and is more reasonable and satisfactory than other available roses. Local growers are cutting good crops but the bulk is coming from out-of-town people. Wellesley is the best of the medium-priced roses and very satisfactory, being much preferred over Carnot, Liberty, Killarney, Chatenay and Kaiserin, all of which are showing themselves of only fair quality. It is yet too early to expect very fine carnations but this necessity is badly missed as asters are on the wane and will not last very much longer. Fair Maid and white stock are very plentiful but with very short stems and are not especially desirable. The colored varieties are not worthy of mention. Chrysanthemums are already on the market but are poor specimens of what is expected in another month. Garden stock is still abundant as we have not had any frost to cause injury. Hydrangea blooms, cut, have been very prominent in the week's decorations, creating an excellent display at a moderate price. Lily of the valley and gardenias are favorites with the select trade and orchids are becoming more plentiful. The hot weather has seriously impeded the growth of violets but it will not be long now before this favorite flower has returned.

NOTES.

The Gardeners' and Florists' Club will hold the first meeting of the season at Horticultural hall, September 18 at 8 p. m. Plans are being made to open the coming season auspiciously and it is the intention of the directors that this shall be an especially entertaining and instructive meeting. A number of prominent craftsmen have already promised to describe their travels of the summer and invitations have been sent to others. Besides these interesting talks there will be a discussion of F. E. Palmer's paper, read before the Dayton convention on "The Ideal Gardener and His Work." It is hoped that the coming season will enlarge the membership to 400 as it is now 330 and already quite a number of applications are registered. The September meeting is usually well attended and this should be the most enjoyable of all.

Houghton & Clark are having the interior of their store remodeled and they plan to have one of the most attractive stores of the city. Extensive alterations are now being made and the interior is painted in white and green the most desirable combination of colors for a flower store. They have had excellent success with their new summer store at Magnolia and next year will be prepared to commence the season on a larger scale.

Thos. F. Galvin furnished elaborate decorations last week for the Williams-Jackson wedding. Both the home and the church were plentifully decorated with plants and cut flowers. At King's chapel the interior of the church was never more dignified nor beautiful. Hydrangeas, gladioli, Lilium lancifolium, asters and roses furnished the different combinations.

The annual auction of stalls of the Park Street Market was held September 8. The receipts rank with the greatest ever received and many new firms purchased stalls which will all go to make that famous market busier than ever although it has seemed at times that the limit had been reached.

Welch Bros. have had a corner on lily of the valley and are disposing of tremendous quantities to dealers all over New England. They are also handling a fine selection of American Beauty which is selling unusually well. B.

Orange, N. J.

The monthly floral display of the New Jersey Floricultural Society contained orchid exhibits of Cattleya chrysotoxa and Cycnoches chlorochilon and C. Peruviana from Lager & Hurrill, receiving 93 points, and Cattleya Harrisaniae and Oncidium varicosum from Wm. Barr, A. W. Bodwell, gardener, securing 83 points in the competition for the society's prizes. Joseph A. Manda also sent plants for exhibition. Besides these, were the usual array of plants and flowers from the neighboring estates. The judges for the evening were A. W. Caparn, Thos. Jones and Joseph A. Manda. Alexander Wallace addresed the society upon civic horticultural improvements, describing those at Dayton so recently viewed by S. A. F. delegates and incidently praising what he had seen during the day in this city and urged a representation from this society at the international exhibition at Chicago in 1908. Two new members were placed in nomination. Details for the fall exhibition, decided upon at the last meeting, were approved and a special dahlia night provided for the October meeting. Suitable resolutions upon the death of Henry Graves, the orchid collector, were passed. J. B. D.

DAHLIAS
All the Early Varieties.
The best stock coming to the market.

THE LEO. NIESSEN CO.
WHOLESALE FLORISTS.
1217 Arch Street, PHILADELPHIA, PA.

ASTERS.
The very finest Asters arriving in Pittsburg are to be seen at
THE PITTSBURG FLORISTS' EXCHANGE, Pittsburg, Pa.
CAN SUPPLY ANY AMOUNT, ANY COLOR.

VALLEY
Special Prices Made on Yearly Contracts.
RIBBONS AND FLORISTS' SUPPLIES.
Samuel S. Pennock, THE WHOLESALE FLORIST, PHILADELPHIA.

ASPARAGUS PLUMOSUS NANUS.
Cut Strings, 50 cents each.
W. H. ELLIOTT, Brighton, Mass.

THE
J. M. McCullough's Sons Co.
Wholesale Commission Florists.
CONSIGNMENTS SOLICITED.
Special attention given to Shipping Orders.
Jobbers of FLORISTS' SUPPLIES, SEEDS and BULBS.
Price List on Application.
316 Walnut St., CINCINNATI, OHIO.
Phone Main 584.
Please mention the American Florist when writing.

C. A. KUEHN,
Wholesale Florist,
1122 Pine St., ST. LOUIS, MO.
A Complete Line of Wire Designs.
Please mention the American Florist when writing.

ROSES AND CARNATIONS
Pittsburg's Largest and Oldest Wholesalers.
PITTSBURG CUT FLOWER CO., Ltd.
504 Liberty Ave., PITTSBURG, PA.
Please mention the American Florist when writing.

Holton & Hunkel Co.
Wholesale Florists
Milwaukee, Wis.
Please mention the American Florist when writing

H. G. BERNING,
Wholesale Florist
1402 Pine St., ST. LOUIS, MO.
Please mention the American Florist when writing.

Wholesale Flower Markets

PHILADELPHIA, Sept. 12.

Roses, Tea	3.00@ .400
" " extra	6 00@ 8.00
" Liberty	4 00@15.00
" Queen of Edgely, extra	16 00@25 00
" " firsts	12 00@15 00
" Beauty, extra	16.00@25 00
" " firsts	12 00@15 00
Carnations	1.00@ 3 00
Lily of the valley	2 00@ 4 00
Asparagus, bunch	25 00@50 00
Smilax	20 00@25 00
Adiantum	.75@ 1 50
Cattleyas	.50@ .60
Gardenias	8 00@10.00
Auratum lilies	12 00@16 00
Gladiolus	2.00@ 5.00
Asters	.50@ 3.00

BOSTON, Sept. 12.

Roses, Beauty, best	12 00@25.00
" " medium	8.00@12.00
" " culls	1 00@ 4 00
" Bride, Bridesmaid	2.00@ 4 00
" Extra	6 00@ 8.00
" Liberty	6.00@25.00
Carnations	1 00@ 2.00
" Fancy	2 00@ 3.00
Lily of the valley	2.00@ 4.00
Smilax	8.00@12 00
Adiantum	.50@ 1 00
Asparagus	35 00@50 00
Sweet peas	.25@ .75
Pond lilies	2 00@ 4.00

BUFFALO, Sept. 12.

Roses, Beauty	5 00@25.00
" Bride, Bridesmaid, Meteor	3.00@ 8.00
Carnations	.50@ 2.00
Lily of the valley	3.00@ 4.00
Asparagus, strings	40.00@50 00
Smilax	15.00
Adiantum	.75@ 1 50
Lilies	3 00@15 00
Peas	.15@ .25
Water lilies	3.00@ 5.00
Gladiolus	1.00@ 3 00
Asters	.30@ 2.00

THE ART OF Floral..... Arrangement.
The first special newspaper in the world for floral arrangement.
250 ILLUSTRATIONS ANNUALLY.
Specimen number free.
Subscription, $2.40 yearly.
BINDEKUNST-VERLAG,
J. Olbertz, ERFURT, GERMANY.
Please mention the American Florist when writing.

J. B. MURDOCH & CO.
WHOLESALE FLORISTS,
FLORISTS' SUPPLIES.
545 Liberty Ave., PITTSBURG, PA.
Please mention the American Florist when writing.

NOW READY
To fill orders for **American Beauties, Lily of the Valley, Carnations** and all varieties of **Tea Roses** in lots of one hundred to one thousand at short notice Get our prices before ordering elsewhere.
WELCH BROTHERS,
15 Province St., BOSTON, MASS.
Please mention the American Florist when writing.

Field-grown Carnation Plants. GOOD CLEAN STOCK. WRITE FOR PRICES.
ABSOLUTELY THE BEST POSSIBLE SERVICE.
W. E. McKissick
WHOLESALE FLORIST,
Business Hours 7 a.m. to 6 p.m. 1221 Filbert Street, PHILADELPHIA, PA.
Please mention the American Florist when writing

Nephrolepis Whitmani
2¼-inch, $25.00 100,
Boston Ferns 2¼-in. $3.00 per 100.
Henry H. Barrows & Sons, WHITMAN MASS.
Please mention the American Florist when writing.

ROBERT CRAIG CO.
ROSES, PALMS,
and Novelties in Decorative Plants.
Market and 49th Sts., Philadelphia, Pa.
Please mention the American Florist when writing.

New York.

IMPROVEMENT CONTINUES.

In the main the improvement noted last week continues, and there are plenty of signs that business will be good from now on. Commission men speak very hopefully of the situation and think that it is safe to predict a good business for the season now opening. Rose growers are probably more interested in the market than any other specialists, for the reason that the demand for good roses is not being met. Trash is handed out everywhere and really good stock is very conspicuous. Arrivals are quite heavy, but the new crop does not assert itself much, consequently sales are commonly made at prices above quoted figures. American Beauty is plentiful in all grades but the highest, and move very well. Specials are very scarce, but such as arrive do not bring prices in proportion to their scarcity, showing that the market can not be influenced. Bride and Bridesmaid move fairly well, the former continuing short in supply. Kaiserin Augusta Victoria sells easily, and comes in grand condition as a rule. Carnot is also taken very freely. The demand for carnations is increasing, but the offerings are poor in quality, as might be expected for the time of year. Still each week shows some improvement in arrivals, and by October fine blooms will be available. Of the stock coming in Enchantress is perhaps a leader in both flower and stem. Mrs. Lawson is commonly offered but is short and commands only medium prices. Lord and Queen are among the staple offerings which are remunerative. Lilies are in good demand and at times exceed maximum quotations. Lily of the valley is stronger, and occasionally approaching the point of scarcity. Asters are more than plentiful, reaching on some days the glut stage. Good branching kinds, however, move quickly, and at good prices. Orchids are reaching fall values, and are not particularly plentiful. Cattleya labiata is coming in and will soon assert itself as a fall variety. Dahlias are common everywhere, but no fine varieties are to be seen yet. Early chrysanthemums have made their appearance, and appear to sell. Outside products are prolific, and just where they go to is a problem, as retailer's windows are set mainly with plants.

NOTES.

To encourage the planting of trees in the public streets in the borough of the Bronx, the north side board of trade is offering substantial prizes to school pupils in the higher grades for the largest number of trees planted by any one pupil. The first prize is $50 for the largest number of trees planted above 100. The second prize is $25 for the largest number of trees planted above 50; the third prize is $15 for the largest number of trees planted above 40. A fourth prize, $10, is for the largest number of trees planted above 25; and there are 20 $5 prizes for the largest number of trees planted above 15. All trees must be planted upon streets which are graded to the established city grade upon a permit from the park commissioner, Geo. M. Walgrove. The competition closes November 1, and to prove that the trees have been actually planted competing pupils must present signed statements, countersigned by the owner or planter of the tree. This is a proceeding worthy of emulation in the other boroughs, and in fact in all cities which are bare of trees.

The arrangements made for a chrysanthemum show are more than disappointing to local growers. Many novelties usually reserved for exploitation are in their entirety, being kept back for the Chicago show. One novelty, which was expected would be shown in New York, will now only appear in a small way, but as an aspirant for honors will be seen at its best in Chicago. This is a white seedling of chrysanthemum Wm. Duckham which Chas. H. Totty, of Madison, N. J., will introduce. Mr. Totty knows what he is about, and says that this will be the most notable of his offerings for the season.

Carl S. Christianson, formerly of 67 E. Tenth street, was buried on Tuesday. He was a well known member of the trade and well liked for his many good qualities. He was a Norwegian, and started in this city with Gabrielson at Thirteenth and Broadway many years ago. Subsequently he was with Geo. Hauft, finally setting up for himself and conducting a business at 67 E. Tenth street until he sold his interest to Wernz & Koehne quite recently. He was an old-timer in an old time district.

John Nicol, of Jersey City, one of the old-time florists of this section, will sell his six greenhouses and equipment at auction September 19. John P. Cleary will be the auctioneer. Mr. Nicol has been living in Canada for some time in poor health, and will probably reside there permanently in the future.

Alex. J. Guttman was celebrating the anniversary of his Twenty-eighth street opening on Monday, and the cigar boxes went around freely all day. After the club meeting on Monday evening, he entertained several of his friends to a feast of reason and a flow of soul.

Philip F. Kessler must be having an enjoyable time in Europe. His thoughts are of home at times, judging from the number of postal cards received by his large circle of friends every mail. At last reports he was in Nuremburg, Bavaria.

John N. May, of Summit, N. J., was seen in the city last week, the first time for a long while. He was looking much improved in health.

Chas. Thorley supplied several very handsome pieces for the funeral of Herman Oelrichs last week.

Wm. Starke is stocking his greenhouse and store with plants for the opening of the season.

Wm. N. Reed, of Reed & Keller, and Mrs. Reed returned last week from an extended trip through Europe.

Louis Schmutz, of Flatbush, is back from his trip to Europe.

Buffalo.

Weather the past week has been very cool. Labor day passed off quietly with no extra trade. The gardeners and florists made a very creditable showing in the parade with dark trousers, white shirts and caps and smilax across the shirts. They also had a float of palms, etc. Roses show marked improvement. Asters are smaller and carnations are getting better in quality.

NOTES.

John Rosenkrautz, father-in-law of Joseph Striet, who is foreman for S. A. Anderson, died at the residence of Mr. Streit last Tuesday. He had been engaged in greenhouse work for several years.

S. A. Anderson has a fine lot of Boston ferns at present that are selling well.

W. A. Adams and wife were in Dansville, N. Y., last week.

Visitors: James Wheeler and wife, Brookline, Mass., were the guests of Chas. Sandiford; S. T. Green, of H. Bayersdorfer, Philadelphia, Pa.

BISON.

GLOVERSVILLE, N. Y.—Fred Wilson and wife, claiming to be from Detroit, Mich., have opened up a flower store at 34 North Main street. We are advised that this is the same party that opened a store in Scranton, Pa., last year.

ORCHIDS
Largest Importers, Exporters, Growers and Hybridists in the World.
SANDER, St. Albans, England.
NEW YORK OFFICE: Room 1, 235 Broadway. T. MELLSTROM Agent.

VICTORY
GUTTMAN & WEBER,
43 West 28th Street,
NEW YORK.
STRONG, FIELD-GROWN PLANTS NOW READY.
1st size. $15.00 per 100. 2nd size, $12.00 per 100. 3rd size, $10.00 per 100.
DISCOUNT FOR CASH WITH ORDER.

HORACE E. FROMENT, Wholesale, Commission,
Successor to William Ghormley.
Orchids, Roses, Carnations, Valley, Lilies, Etc.
57 West 28th Street, NEW YORK CITY.
Telephones 2200 and 2201 Madison Square.

Trade Directory
—OF THE—
UNITED STATES AND CANADA.
PRICE $2.00, POSTPAID.
American Florist Co.. 324 Dearborn St., Chicago.

Choice Carnations. Selected Roses.
Traendly & Schenck
NEW YORK CITY,
44 W. 28th Street, Cut Flower Exchange.
New Telephone No. 798 & 799 Madison Sq.
Please mention the American Florist when writing

CARNATIONS
MY SPECIALTY
Consignments Solicited. Prompt Payments
Established 1891.
Alfred H. Langjahr, 55 W. 28th St., NEW YORK
Telephone 3924 Madison Square.
Please mention the American Florist when writing.

Original Pioneer House—Established 1871.
JAMES HART
103 W. 28th St., NEW YORK.
Wholesale and Commission
Consignments solicited. Shipping orders promptly attended to. 'Phone 626 Madison.
Please mention the American Florist when writing.

FORD BROS.
Receivers and Shippers of
Fresh Flowers
48 West 28th St. NEW YORK.
Telephone 3870-3871 Madison Sq.
Please mention the American Florist when writing

N. Y. Cut Flower Exchange
Coogan Bldg., 6th Ave. & W. 26th St., New York.
Open for Cut Flower Sales at 6 o'clock Every Morning.
Desirable Wall Space to Rent for Advertising.
V. S. DORVAL, JR., Secretary.

The Best Way to Collect an Account
is to place it with the
NATIONAL FLORISTS' BOARD OF TRADE,
56 Pine St., New York.
Why? Because many debtors will pay the Board, fearing otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.

Adiantum Farleyense
I can quote splendid stock at from $2.00 per dozen up to $24.00 per dozen, in 2-inch to 6-inch pots. If you are looking for Farleyense, better write me about it.
CHARLES H. TOTTY,
Madison, N. J.
Please mention the American Florist when writing.

Wholesale Flower Markets

NEW YORK, Sept. 12

Roses, Beauty	best	10.00@20.00
" "	medium	6.00@10.00
" "	culls	1.00@ 4.00
" Liberty,	best	4.00@10.00
" "	culls	1.00@ 4.00
" Bride, Bridesmaid, G. Gate.		.50@ 4.00
" Kaiserin, Carnot		1.00@ 6.00
Carnations		.50@ 1.00
" fancy and novelties		1.50@ 2.00
Lily of the valley		.50@ 3.00
Lilies		6.00@ 8.00
Smilax		6.00@ 8.00
Adiantum		.50@ .75
Asparagus		20.00@50.00

Thomas Young
WHOLESALE FLORIST.
43 West 28th St., NEW YORK.

Alex. J. Guttman
The Wholesale Florist of
NEW YORK.
Phone 1664-1665 Mad. Sq. 43 W 28th Street.

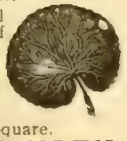
Moore, Hentz & Nash,
Wholesale Commission Florists,
55 and 57 West 26th Street,
Telephone No. 756 Madison Square. New York.

N. Lecakes & Co.
53 W. 28th St., NEW YORK.
Tel. No. 1214 Madison Square

Stands at Cut Flower Exchange, Coogan Bldg., W. 26th Street & 34th Street Cut Flower Market. SPECIALTIES: Galax Leaves, Ferns and Leucothoe Sprays, Holly, Princess Pine and all kinds of Evergreens.

Green and Bronze Galax Leaves, $1.00 per 1000.

A. J. FELLOURIS,
J. J. Fellouris, Manager.

Wholesale and Retail Dealer in all kines of
EVERGREENS.
Fancy and Dagger Ferns Bronze and Green Galax.

Telephone, 2675 Madison Square.
52 West 28th Street, NEW YORK.

George Cotsonas & Co.
Wholesale and Retail Dealers in all kinds of

Evergreens.
Fancy and Dagger Ferns, Bronze and Green Galax.
Phone 1202 Mad. Sq.

Main Store, 50 W. 28th St., NEW YORK.

—FLOWERS SHIPPED BY—
JOHN I. RAYNOR
Are the best product of the best growers for the New York Market.
Adiantum Croweanum sold here exclusively.
49 W. 28th St., NEW YORK.
Tel. 1998 Madison Square
Please mention the American Florist when writing

Walter F. Sheridan,
WHOLESALE FLORIST,
Telephone 902 Madison Square.
39 West 28th St., NEW YORK.
Please mention the American Florist when writing.

J. Seligman. Joseph J. Levy
John Seligman & Co.
WHOLESALE FLORISTS
56 West 26th Street, NEW YORK.
OPPOSITE N. Y. CUT FLOWER CO.
Everything in Cut Flowers. Consignments from growers solicited. Prompt returns. Best prices. Satisfaction guaranteed. Tel. 4878 Madison.
Please mention the American Florist when writing

PHIL. F. KESSLER
Wholesale Commission Florist
Telephones { 2921 / 5243 } Madison Square.
55 WEST 26th STREET,
Consignments solicited. Prompt payments. New York.

A. M. HENSHAW
Wholesale Commission Florist.
Consignments of first-class stock solicited. Out of town orders carefully and promptly filled.
Telephone 5583 Madison.
52 W. 28th St., NEW YORK
Please mention the American Florist when writing.

Receivers and Shippers of Cut Flowers.
Consignments Solicited.
A. L. YOUNG & CO. Wholesale Florists . .
54 West 28th Street.
Telephone 3559 Madison Sq. NEW YORK.

THE KERVAN COMPANY,
20 West 27th St., NEW YORK.
Wholesale dealers in fresh cut Palmetto and Cycas Palm leaves, Galax, Leucothoe Ferns, Mosses and all Decorating Evergreens.

J. K. ALLEN.
Wholesale Commission Florist.
106 West 28th St., NEW YORK CITY.
Open every day at 6:00 A.M Tel. 167 Madison Sq.

IT IS NOT...
what you pay for the advertisement but what the advertisement pays you. It pays to advertise in the American Florist.

CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

William H. Donohoe, No. 2 West 29th St., (One Door Off 5th Ave.) NEW YORK.

PHONES: 3034 and 3035 MADISON SQUARE.

Write, wire or telephone your orders to the above. Personal attention assured.

The best is none too good. Prices always right. Send me your next order.

DETROIT.

JOHN BREITMEYER'S SONS

Cor. MIAMI and GRATIOT AVES.

DETROIT, MICH.

...Artistic Designs...

High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

MILWAUKEE.

C. C. Pollworth Co.

MILWAUKEE, WIS.

Will take proper care of your orders in WISCONSIN.

INDIANAPOLIS.

Bertermann Bros. Co.

FLORISTS

241 Massachusetts Ave., INDIANAPOLIS, IND.

ST. LOUIS.

Fred. C. Weber,

FLORIST,

4320-4328 Olive St., ST. LOUIS, MO.

Established 1873. Bell, Lindell 676.

DENVER.

The Park ...Floral Co.

J. A. VALENTINE, President. DENVER, COLO.

OMAHA.

HESS & SWOBODA,

Florists,

1415 Farnam Street, OMAHA, NEB

'Phone 1501 and L. 1582.

Please mention the American Florist when writing

DENVER.

FLORAL DESIGNS AND FLOWERS.

Best Quality on Shortest Notice.

DANIELS & FISHER, DENVER, COLO.

Order by mail, telephone, telegraph or cable. Cable address: "Daniels Denver."

LONDON PARIS BERLIN

A. Lange

Prompt Attention to STEAMSHIP ORDERS.

Main Address 40 East Madison Street, Heyworth Bldg. ... CHICAGO.

Agents in all Leading European Cities.

WASHINGTON, D. C.

GUDE BROS. CO. FLORISTS 1214 F ST. N.W. WASHINGTON, D.C.

Gude's.

CHICAGO.

P. J. HAUSWIRTH

Auditorium Annex, CHICAGO.

Mail, telegraph or telephone orders filled promptly in best style.

BUFFALO.

Palmer's

Buffalo, N. Y.

W. J. Palmer & Son, 304 Main St.

WASHINGTON.

GEO. H. COOKE,

FLORIST

Connecticut Avenue and L Street

WASHINGTON, D. C.

KANSAS CITY.

Samuel Murray

...FLORIST...

Coates House Conservatory

1017 Broadway, KANSAS CITY, MO.

Both 'Phones 2670 Main.

Write, Telephone or Telegraph. All orders given prompt attention.

KANSAS CITY.

GEO. M. KELLOGG,

906 Grand Avenue,

KANSAS CITY and PLEASANT HILL, MO.

Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

BROOKLYN, N. Y. NEW YORK.

Robert G. Wilson,

BROOKLYN, N. Y., Fulton St. and Greene Ave. NEW YORK, 48 W. 30th St.

Trade orders from all parts of the country filled for delivery at residence, steamer, hotel or theatre, on wholesale basis. Satisfaction guaranteed. Wire or telephone.

ALBANY, N. Y.

EYRES

Flowers or Design Work.

DELIVERED IN ALBANY AND VICINITY ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

ST. PAUL.

HOLM & OLSON,

ST. PAUL.

THE LEADING FLORISTS OF THE NORTHWEST

Orders will be well cared for anywhere in Minnesota and the Dakotas.

GALVESTON.

Mrs. M. A. Hansen,

—FLORIST—

Galveston, Texas.

Special attention given to Telegraph or Telephone Orders. 'Phone 1912.

JACKSONVILLE.

MILLS THE FLORIST,

36 W. Forsyth Street,

JACKSONVILLE, FLA.

WASHINGTON.

Mayberry & Hoover

Florists and Decorators

1339 Fourteenth St., Northwest

Telephone North 508. WASHINGTON, D. C.

New Orleans

CUT FLOWERS

For Tourists and General Trade.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, 838 CANAL ST.

COLUMBUS.

The Livingston Seed Co.

FLORISTS

Cover All Ohio Points. 114 North High St.

AFTER-THOUGHTS OF THE CONVENTION.

The Fall Season is at hand. Are you **thinking** of the **best** place to purchase your Fall and Winter supply of the **best quality**? The **A. L. Randall Co.** will give you a **square deal.** Let us have **ALL** your business this season and **you** will **not regret it.** Correspondence solicited.

A. L. RANDALL CO., Wholesale Cut Flowers and Florists' Supplies, 19-21 Randolph Street, CHICAGO.

It is a cast-iron rule with us to give our patrons ALL that they pay for.

The Cleveland Cut Flower Company,

WHOLESALE CUT FLOWERS, FLORISTS' SUPPLIES, WIRE DESIGNS.

215 Huron Road, CLEVELAND, OHIO.

Cut Flowers or Designs

Will be delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

NEW YORK.

Alexander McConnell

IN NEW QUARTERS.

571 Fifth Avenue, Windsor Arcade, **NEW YORK CITY**

TELEGRAPH orders forwarded to any part of the United States, Canada and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive our prompt attention.

Telephone Calls: 487 and 488 38th Street.
Cable Address: ALEXCONNELL.
WESTERN UNION CODE.

Please mention the American Florist when writing.

ST. LOUIS.

Theodore Miller

FLORIST,

Long Distance Phone, Bell, Forest 56, Kinloch, Delmar 201. 4832 Delmar Boulevard, **ST. LOUIS, MO.**

Please mention the American Florist when writing.

DAYTON, O.

Matthews,

FLORIST,

6 W. 3rd St., DAYTON, O.

Please mention the American Florist when writing.

LOUISVILLE.

JACOB SCHULZ, 644 Fourth Ave., LOUISVILLE, KY.

Cut Flowers of BEST QUALITY in season delivered promptly to any address.

Write, Telegraph or Telephone.
Cumberland and Home Phones 223 and 984.

Please mention the American Florist when writing.

ATLANTA.

ATLANTA FLORAL CO.

41 Peachtree Street, **ATLANTA, GEORGIA.**

Please mention the American Florist when writing.

Orchids!

ARRIVED IN SUPERB CONDITION.

Cattleya Dowiana, C. gigas, C. Mossiæ, C. Percivaliana, C. Speciosissima, C. Eldorado, C. superba, C. labiata C. Leopoldii, and many more. Write for prices,

Lager & Hurrell, SUMMIT, N. J.
Orchid Growers and Importers.

FIELD-GROWN CARNATIONS.

Very Fine. Perfectly Healthy

Queen Louise, Eldorado, Crisis, Wm. Scott, Crocker, Portia.

Price, $5.00 per 100; $45.00 per 1000.

J. L. DILLON, Bloomsburg, Pa.

Please mention the American Florist when writing.

50,000 GOOD, CLEAN CARNATIONS.

Bushy, well-branched stock; grown on new ground.

Lawson Gov. Wolcott, largest size, $6.00 per 100; $55.00 per 1000. Boston Market, White Cloud, Norway, Flora Hill, Joost, Lord, $5.00 per 100; $45.00 per 1000. Splendid stock: full value.

ROSES. ROSES. ROSES.

Strong, clean, 3-inch, Bride, Maid, Chatenay, Kaiserin, Richmond, $4.00 per 100; $35.00 per 1000, to close them out. 2½-inch Bride and Maid $2.00. **SMILAX,** strong 3-inch, twice cut back, early strings from these plants, **$3.00 per 100;** fine, 2⅝-inch, $2.00. **Asparagus Plumosus,** 2-inch, $3.00; 6-inch, $35.00. **Sprengeri,** 4 inch, $7.00, **Boston Ferns,** 5-inch, $25.00. Fine plants.

W. H. GULLETT & SONS, Lincoln, Ill.

ASPARAGUS

	Per 100
Plumosus Nanus, 2¼-in. pots	$2.00
$18.00 per 1000.	
Plumosus Seedlings	1.00
Sprengeri, 2¼-in	2.00

PRIMROSES

	Per 100
Obconica Rosea and Alba	2.00
CANNAS, 5 var., field clumps	15.00
PANSY PLANTS, Oct. 1	$3.00 per 1000; .50
VINCA VAR., from field, Oct	5.00

——CASH PLEASE.——

JOS. H. CUNNINGHAM, Delaware, Ohio.

Steamship Sailings.

WEEK ENDING SEPTEMBER 22.

Sept. 17, Sicilia, Genoa-New York.
Sept. 18, Saxonia, Boston-Liverpool.
Sept. 18, Ivernia, Liverpool-Boston.
Sept. 18, K. Wilhelm II, N. York-Brem.
Sept. 18, Kronprinz Wilh'm, Brem.-N. Y.
Sept. 19, Merion, Liverpool-Philadelphia.
Sept. 19, Teutonic, New York-Liverpool.
Sept. 19, Majestic, Liverpool-New York.
Sept. 19, Hamburg, Genoa-New York.
Sept. 19, N. Amsterdam, N. Y.-Rotterd'm.
Sept. 20, Perugia, New York-Naples.
Sept. 20, La Touraine, New York-Havre.
Sept. 20, Cymric, Boston-Liverpool.
Sept. 20, Canada, Liverpool-Quebec.
Sept. 20, C. F. Lietgen, N. Y.-Copenh'g'n.
Sept. 20, United States, Copenh'g'n-N. Y.
Sept. 20, Deutschland, N. Y.-Hamburg.
Sept. 20, Bluecher, Hamburg-New York.
Sept. 20, Prinzess Irene, Genoa-N. York.
Sept. 20, Manitou, Antwerp-Boston.
Sept. 21, Ionian, Montreal-Liverpool.
Sept. 21, Tunisian, Liverpool-Montreal.
Sept. 21, Cedric, New York-Liverpool.
Sept. 21, Celtic, Liverpool-New York.
Sept. 21, Emp. of Britain, Mont.-Liv'p'l.
Sept. 21, Emp. of Ireland, Liv'p'l-Mont.
Sept. 22, Pomeraman, London-Montreal.
Sept. 22, Caledonia, New York-Glasgow.
Sept. 22, Columbia, Glasgow-New York.
Sept. 22, New York, N. York-Southamp.
Sept. 22, Philadelphia, Southamp.-N. Y.
Sept. 22, Friesland, Philadel.-Liverpool.
Sept. 22, Etruria, New York-Liverpool.
Sept. 22, Umbria, Liverpool-New York.
Sept. 22, La Provence, Havre-New York.
Sept. 22, Dominion, Montreal-Liverpool.
Sept. 22, Graf Waldersee, N. Y.-Hamb'g.
Sept. 22, Potsdam, Rotterdam-N. York.
Sept. 22, Bremen, Bremen-New York.
Sept. 22, Vaderland, New York-Antwerp.
Sept. 22, Zeeland, Antwerp-New York.

CARNATIONS.

The finest, healthiest lot of field-grown plants in the Middle West, mostly planted out of 2½-inch pots. Flamingo, Prosperity, Wolcott, Harlowarden, $6.00 per 100; $50.00 per 1000. Norway, $4.00 per 100; $30.00 per 1000.

FERNS Boston from bench, ready for 4 and 5-inch pots, $10.00 and $15.00 per 100 respectively.

ASPARAGUS.

Heavy, 2½-inch, plants, ready for a shift, Sprengeri, extra fine, 3.00 per 100; 25.00 per 1000 field-grown clumps, $6.00 per 100.

JERUSALEM CHERRIES, 3½-inch now in bloom $4.00 per 100. These plants are ready for 5-inch

J. W. DUNFORD,

CLAYTON, MO,

Lilium Harrisii

FOR XMAS FORCING.

Well ripened and carefully graded bulbs.

5 to 7 Inches,

Per 100.....$4.50; per 1000.....$40.00

VAUGHAN'S SEED STORE,

84-86 Randolph St., CHICAGO. 14 Barclay St., NEW YORK.

The Seed Trade.

American Seed Trade Association.
H. W. Wood, Richmond, Va., Pres.; C. S. Burge, Toledo, O., First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas. Twenty-fifth annual convention at New York, 1907

LEONARD H. VAUGHAN is in Nebraska inspecting seed crops.

WALTER MOTT is now with H. H. Berger & Co., of New York.

CONRAD APPEL has issued his annual report on grass and clover seeds.

VILMORIN-ANDRIEUX & Co.'s preliminary wholesale seed list has come to hand.

THE death of Mrs. Theodosia B. Shepherd is recorded in our obituary column.

THE onion set crop at Chicago is estimated at a slight increase over that of last year.

HJALMAR HARTMANN has arrived in New York from Copenhagen, for a tour through the states.

VISITED CHICAGO: Chr. Hansen, representing A. Hansen, of Copenhagen, Denmark; S. B. Dicks, London, Eng.

CINCINNATI, O.—J. Chas. McCullough and family returned September 12 from a 10 days' sojourn in California.

PHLOX DRUMMONDII, says a close observer, is one of the hardiest annuals, blooming long after most others have been cut down by frost.

CHICAGO.—Rain fell September 12, the first good rain in many parts of Cook county since May. Some onion sets were caught in the storm.

DENVER, COL.—About October 1 the wholesale seed department of the Barteldes Seed Co. will be carried on in the Barteldes building, corner of Sixteenth and Wynkoop streets.

WE are in receipt of the annual report of the twenty-fourth annual convention of the American Seed Trade Association, held at Toledo, O., June 26-28, containing the usual papers, reports, etc.

STEAMERS arriving in New York last week from Italian ports unloaded about 40,000 crates of onions, nearly all of a large yellow variety resembling Prizetaker. These onions are usually sold at auction and bought up by commission houses.

UNION, N. J.—The purchase of the Yellow Pine Co.'s property by the American Warehouse and Trading Co., which is the eastern branch of the Albert Dickinson Co., of Chicago, will mean another large industry on the busy Hudson river shore front and will furnish employment for a large number of hands.

ALFALFA seed crops in the eastern section of Kansas, where thousands of acres were sown this year, have paid farmers from $40 to $60 per acre. The alfalfa hay and seed crops harvested by a farmer near Sabetha, Kans., brought him an average of $66.20 per acre. Most farmers have from 10 to 50 acres in alfalfa. Clover seed crops are bringing farmers an average of $50 per acre.—K. C.

5,400 ACRES OF GARDEN SEEDS IN CULTIVATION.

Braslan Seed Growers Co.

WHOLESALE SEED GROWERS.

SAN JOSE, CALIFORNIA.

Dickinson Leaves Chicago Board of Trade.

Albert Dickinson, president of the well known Albert Dickinson Co., posted his board of trade membership for transfer September 11, which is said to practically mean the passing of this seed house from the board of trade. The firm has not been actively represented on the Chicago exchange since March 1, last, when the present commission rule which provides for trading charges double those which prevailed before that date went into effect. The Dickinson Co. complained when the higher rates were being agitated that the installing of them and the placing of all traders on a brokerage basis would militate against progress in its business. The withdrawal of the firm it is said will result in the transferring of much seed business to other market points, probably to Duluth and Minneapolis, where the firm has made important connections.

The Late Mrs. Theodosia B. Shepherd.
See obituary.

Convention From Seedman's Standpoint.

Geo. C. Watson before the Florists' Club of Philadelphia, September 4, 1906.

Many a man has dug a cavity for the other fellow and fallen into the hole himself. Your committee on subjects last month assigned one to a seedsman whose duty it would be to report on the convention. Unfortunately for the committee there were no Philadelphia seedsmen at the convention big enough for this job. J. Otto Thilow of Dreer's had intended to go, and had promised to make an address, but his plans had to be changed at the last minute. So you see the cavity! Somebody had to fill it! The rest of the committee insisted on my jumping in, and that must be my excuse for attempting, even in a remote way, to fill up this hole. I approach the subject with a meekness exceeding the meekness of Moses and am very sorry we do not have the unhackneyed and original views of Mr. Thilow instead of the overworked and well known notions of yours truly.

To my mind the first and most important feature of a convention to a seedsman is the opportunity it affords him of meeting his customers. It must be remembered that the seedsmen, and in using that term I mean it in the broadest sense, is the very opposite of a specialist. To be a seedsman in the proper sense, one must have a working knowledge of horticulture, floriculture, agriculture, and arboriculture; because the seedsman is an auxiliary to all these different branches of the art of gardening. You will observe that I dignify the art of gardening by embracing under it the culinary, the ornamental, the farm, and the forest. London did so, and no more illustrious example could be followed. To be a gardener in the true sense of that term one must have a working knowledge of all these four great subdivisions of the art, and as the seedsman is the auxiliary and helper in the same field, it follows that he also must be equally well posted so as to fulfill his proper functions with ease and dexterity. Therefore the seedsman, as I said before, is the very opposite of a specialist. He is all embracing. But that is the strongest reason why he should be present at a convention of specialists like that of the Society of American Florists.

There he comes in personal contact with his customers gaining valuable knowledge from their experience with various specialties in which he has a direct pecuniary interest. He is able also to get a line on what is lacking and can lay his plans for future progress thus becoming not only an auxiliary but a pioneer in the onward march of the art of gardening. I have made it a point to attend as many of these conventions as I could during the past 20 years and I have never regretted having done so. In fact, I consider it impossible to become thoroughly posted in the profession of a seedsman without taking in as many as possible of these and other conventions bearing on any phase or branch of the art of gardening.

The second and less important phase of this subject from the seedsman's standpoint is the actual and immediate business that can be transacted. From my own experience and from what I have heard of that of others, the immediate business returns are not adequate in proportion to the expense and moreover unless a good exhibit is put up they will be almost nil. If one goes to a convention for purely business reasons rather than for the purpose of keeping posted a good exhibit is indispensable. Quite a number of our most wide awake houses keep regularly making such displays, year in and year out, and they must find it pays them either directly

or indirectly, else they would not keep it up.

At the same time there can be no gainsaying the fact that a great many of our prominent seed houses do not attend. Whether it be indifference, lack of time, or what, I do not know; but I feel sure many of them need stirring up on this very subject. I can remember well how surprised I was in Buffalo in 1901, when not a single one of the local seedsmen took advantage of the grand chance of making an exhibit at the minimum of cost. I was ashamed of them. And this apathy prevails today. The seed trade wants shaking up on this point. Imagine what a grand show Burpee could make with sweet peas for instance, or Maule with dahlias or Thorburn or Henderson with a general collection of their specialties. I hope to see full advantage taken by such firms in the exhibition of 1907.

In conclusion I may say that for extent, excellence, and variety the Dayton exhibition compared very favorably with those of recent years. There was at least one local seedsman who put up an exhibit and the Livingston Seed Co. of the neighboring city of Columbus had a very interesting display of tomatoes, the subject that has made the name of Livingston famous, besides some good new hybrids of Begonia semperflorens.

Glen Cove, N. Y.

The Nassau County Horticultural Society held its first annual clambake on the afternoon of September 6, followed by a banquet at Karatonyi's hotel. About 80 members and their friends were present, and when the sports commenced at 2 o'clock in the afternoon there were a large number of members ready to take part. Some preferred the bathing, while bowling, billiards, etc., were the attractions of the others. The clambake was an excellent one and every member pronounced the event the finest social gathering ever held by them. After the clambake at the beach the members and friends adjourned to the hotel, where a banquet was served and speeches were made by several of the officers and others.

JAMESTOWN, N. Y.—The capacity of the Lake View Rose Gardens is to be largely increased. The foundations for 45 new houses, each 20 x 200 feet, are being made ready, giving the plant a total capacity under glass of nearly 1,250,000 square feet, and making it the largest in the United States. The new additions will occupy 3½ acres.

Cauliflower and Cabbage SEED.

Ask quotation for 1906 crop.

HJALMAR HARTMANN & CO.

Stormgade 12, COPENHAGEN.

Growers for the Wholesale Trade Only.

BURPEE'S SEEDS PHILADELPHIA.

Wholesale Price List for Florists and Market Gardeners.

I FORCE BULBS MYSELF

and have found out by hard knocks which pay and which don't.

I would like you to try a few hundred of my

La Reine Tulips

in comparison with those you have bought elsewhere, I think I would get your import order for next year. The price is a little high, but——

Per 100, $1.25; per 1000, $9.00.

Perhaps you would be interested in some other bulbs and seeds I have. Write me.

Large White Calla Bulbs. SOUND AND WELL RIPENED. Only a few left.

	Per 100		Per 100
1¼ to 1½ in. diameter	$4 75	2 to 2½-in. diameter	$10.00
1¾ to 2 in. diameter	6.75	Monsters	12.00

Stokes Seed Store.

Walter P. Stokes, of the late firm of Johnson & Stokes. **219 Market Street, PHILADELPHIA.**

PACIFIC SEED GROWERS' CO.

109 MARKET STREET

SAN FRANCISCO, CAL.

Specialties:

Onion, Carrot, Lettuce, Sweet Peas

NOW ARRIVING

DUTCH BULBS

HYACINTHS, TULIPS, NARCISSUS.

Write for copy Fall Florist List. Just issued.

VAUGHAN'S SEED STORE,

CHICAGO. NEW YORK.

Reliable Mushroom Spawn

Originators and Growers of Superior Strains of Pure Culture Mushroom Spawn. For particulars, free booklet, etc., address

E. L. HESS, 604 LaSalle Ave., CHICAGO,

SPECIAL AGENT for Pure Culture Spawn Co., of Pacific Mo.

Araucaria Imbricata FRESH SEEDS

Just received from Araucania, direct importation. Splendid conditions. Complete success. **The Most Attractive Hardy Tree.** Very convenient for avenues, alleys parks, pleasure grounds, colonies, etc. Price, packing free, $10.00 per 1000.

JULES VAN MOL, BRUSSELS, BELGIUM. Rue Goffart 27,

Please mention the American Florist when writing

PANSIES.

International, fine strain: **English Prize, Parisian,** finely variegated and shaded: also **Giant Trimardeau,** all colors and striped: also **Odier,** beautifully spotted. **$3.00** per 1000; **50c** per 100, by mail.

F. A BALLER, Bloomington, Ill.

Please mention the American Florist when writing.

BULBS Now READY.

Right Prices. Best Quality.

	Per 100	1000
White Roman **Hyacinths,** 12-15	$2.50	$23.00
Dutch " " named	2.00	17.50
" mixed " in colors	2.50	22.50
" named " 1st size	6.25	60.00
" " 2nd size	4.25	40.00
Tulips, single, mixed, separate colors	1.00	8.50
" " extra fine mixed	.90	7.50
" " fine mixed	.75	6.00
Tulips, double, mixed, separate colors	1.15	10.00
" " extra fine mixed	1.00	8.50
" " fine mixed	.85	7.00
Narcissus, Von Sion, double nosed	2.25	20.00
" " 1st size	1.60	14.50
" " 2nd size	1.25	10.00
Paper White Narcissus	.90	8.00
" " grandiflora, extra	1.25	10.00
Calla Lilies, 1½-2 in. diam	6.00	55.00
" " 2-3 in. diam	10.00	95.00
Freesias, ¾-in. diam	.85	7.50
" mammoth bulbs	1.25	10.00

All other bulbs in season.

Ask for prices. We can interest you.

PERENNIAL GARDENS CO.,

TOLEDO, O.

Please mention the American Florist when writing.

J. STAER, Nurseryman and Seedsman,

WAHROONGA, New South Wales, AUSTRALIA.

Collector of Australian and Island Seeds and Plants. Palms, Ferns, Platyceriums, Orchids, Eucalyptus, ornamental trees and shrubs.

PALM SEEDS.

	Per 1000		Per 1000
Kentia Forsteriana	$1.25	Livistona Australis	.50
" Belmoreana	1.25	Bacularia Monostachya	1.50
" Canterburyana	3.00	Calamus Muelleri	1.50
" Moorei	12.00	Gymnostachys Anceps	2.00
Areca Baueri	1.00		
Seaforthia Elegans	.50		

TREE SEEDS.

Castanospermum Australe	$5.00 per 1000
Araucaria Excelsa	1.25 per 1000

The Nursery Trade

American Association of Nurserymen.
Orlando Harrison, Berlin, Md., President; J. W Hill, Des Moines, Ia., Vice-President; George C. Seager, Rochester N. Y., Sec'y.
Thirty-second annual convention, Detroit, Mich., June, 1907.

THE annual meeting of the American Civic Association will be held in Milwaukee, Wis., October 26-28.

Delphiniums.

The tall delphiniums are grand at present, but for a continuous summer display in a smaller place or in front part of a border, our choice would be for the dwarfer, humbler Chinese kinds. They flower continuously throughout the summer months. New stems spring up from the root and crop after crop of flowers continue to open. We may cut them or let them alone to fade, it makes no perceptible difference to these plants, they are always in good shape. I like the light blue of the Bella Donna type, though for variety some of the darker shades and a few whites should also be included in a bed. The D. Simense varieties do not give us the great, tall, pyramidal flower spikes like D. Formosum, D. exaltatum, D. hybridum, etc., but they amply make up for it in quantity of small loose spikes, produced in succession. The plants are seldom entirely without flowers at any time from June until fall, new stems forming constantly until frost stops growth.

When clumps get too large and crowded the plants should be divided and replanted. Pieces with three to four eyes make good fine flowering plants in a very short time. Such plantations may be left alone for three or four years before they need much attention again, other than a yearly top-dressing, and regular hoeing and cleaning.

Seedlings will flower well the first year when not started too late in the season, but usually one cannot depend on reproducing the best colors in plants raised from seed, so the inferior ones have to be weeded out.

Varieties which it is desirable to propagate should have a little extra attention. The plants may be divided in spring, or if they remain in their old places, take a few of the first growths, when about two inches long, insert in sand on a shaded greenhouse bench and they will root in a few weeks.

After that they may be planted in boxes or if convenient, in their permanent location in the open ground, taking the precaution, however, to water and shade the young plants for a few days until well established. J. B. K.

Late Flowering Aquilegias.

Perhaps at first glance it would seem out of season to say anything about aquilegias when we are past midsummer because the majority of these elegant and useful plants are spring or summer bloomers, but I want to call attention to a few of the species, which are still in flower, and most likely will not stop blooming before the end of September, although they began to send up their first flower stems as early as May or June. These late blooming species are all of the long spurred type, like A. Canademis, the bright red sepals of which are tipped with green and marked yellow, the inner petals yellow, and the deep red spurs slightly knobbed at the extremities. The flower stems branch out freely, bearing loose panicles of drooping flowers in profusion. It is dwarfer than any of the following, growing to a height of less than two feet generally.

A. chrysantha has very long, slender, dainty spurs, which bend or arch out above the drooping golden yellow flowers. The sepals spread out horizontally, thereby giving the appearance of a much larger flower than it really is. Under generous cultivation this is a continuous bloomer when old flower stems are removed now and then, and it is surely one of our best and handsomest border plants. But close planting of this species should be avoided. When crowded in any way, we can not expect the plants to bloom both early and late, but in good soil with a fair amount of sunlight they bloom continuously, the fall frosts finding some of the flower stems with undeveloped buds. It is a free and robust grower, often attaining a height of over four feet. There are also a number of hybrids of paler and darker tints, also pure white, but I have not seen any of these to bloom so persistently as the parent plant, though some show an inclination to flower later than others.

A. Formosa has bright red sepals with pea green tips and a yellowish cup, and long straight spurs of the same bright red. The stems grow three to four feet high and are profusely branched from the ground up to the tip, a grand, showy plant and a prolific bloomer early and late.

A. Skirmerii, with long, tapering, vivid red spurs, the sepals also red washed, suffused and tipped with green, the limb greenish yellow and red. The flowers are drooping or nodding, borne on an upright branching stem two to three feet high. The panicles are more compact than those of the preceding, owing to the straight upright growth of the branchlets. In an open situation this charming species will always be the last of the aquilegias to open its lovely flowers in June. It begins late, but lasts longer than the others in fall.

I know of no blue species which will annually continue to bloom until past midsummer, though occasionally we had a batch of young, vigorous seedlings make flower stems and flower in autumn, but such happenings must be considered accidental. Two or three of the chrysantha hybrids are running into the purple tints and we may yet be able to produce in time a good late flowering purple or blue. J. B. K.

WOONSOCKET, R. I.—Mrs. James A. Staples has removed her cut flower business from Staples' drug store to the old stand of Miss Cutler in E. R. Darling's store. The business required more room than the former quarters allowed.

FAIRPORT, N. Y.—The second annual flower carnival of the Floral Society opened in the Methodist church here August 31 and continued through the afternoon and evening. There was a very fine display of gladioli, asters, dahlias and many other annual flowers, together with a splendid showing of decorative plants.

MELROSE, MASS.—Many people from this and surrounding towns attended the twenty-third annual exhibition given by the Horticultural and Improvement Society at the city hall September 3. The affair was one of the most successful ever given under the auspices of the society. Prizes were awarded for the best shrub, garden, flower, fruit and vegetable exhibits.

LARGE TREES.
OAKS and MAPLES.
PINES and HEMLOCKS.
ANDORRA NURSERIES,
Wm. Warner Harper, Prop.
Chestnut Hill, PHILA, PA

TREES AND SHRUBS.
We make especially low prices on Nursery Stock to Parks, Cemeteries, etc. Wholesale price-list on application. We carry immense quantities of the finest named varieties of
PEONIES.
PETERSON NURSERY 603 W. Peterson Ave CHICAGO, ILL

FALL SPECIALTIES.

PEONY, Dorchester, (Richardson). Latest and best paying, clear pink Peony. $25.00 per 100 for strong, 3 to 5 eye divisions.

PEONY, Queen Victoria. One of the largest blocks of this popular white to be found. $12.00 per 100; $100.00 per 1000, for strong, 3 to 5 eye divisions.

FORCING GRADE OF FIELD-GROWN ROSES. Home-grown, low-budded plants, selected for pot culture: Magna Charta, Crimson Rambler, Paul Neyron Dorothy Perkins, etc., $12.00 yer 100; $100.00 per 1000.

HYDRANGEA, Hortensia and Otaksa. Bushy young plants with several flower shoots; good for 6 to 7-inch pots: $12.00 per 100. Extra heavy specimens for 10 to 12-inch pots or tubs. $60.00 per 100.

DRACAENA INDIVISA. Field-grown, 5-inch, $15.00 per 100: 6-inch, $25.00 per 100.

CHRISTMAS PEPPER. Set with young fruits, 4-inch pots, bushy: $12.00 per 100.

PRIMULA, Chinensis. Strong, 2½-inch, $3.00 per 100.

PRIMULA, Obconica Grandiflera. 2½ inch, $2.50 per 100.

Send for Catalogue No. 5 for full list of Bulbs, Seeds, Palms, Ferns, Araucarias, etc.

THE STORRS & HARRISON CO.
PAINESVILLE, - OHIO.

FANCY PEONIES.

100 Varieties. Catalog Free.

C. & M. WILD, R. F. D. No. 1, SARCOXIE, MO

Send to THE MOON Company

For Your { Trees, Shrubs, Vines and Small Fruits.

Descriptive Illustrated Catalogue Free

THE WM. H. MOON CO., Morrisville, Pa.

PEONIES.

Queen Victoria (Whitleyii), per 100....$ 9.00
Festiva Maxima, per 100..... 30.00
Fragrans, "Late Rose".....per 100. 6.00
Large stock of M. L. Rhubarb and Lucretia Dewberry Plants.
For 1000 rates and other varieties, write

GILBERT H. WILD, Sarcoxie, Mo.

Jacs Smits, Ltd. NAARDEN, (Holland.

GROWERS OF
Rhododendrons, Axaleas, pot grown Shrubs for forcing, Lily of the Valley, Spiræa, Paeonias, Roses, Climbing Plants good varieties of Conifers and all ornamental stock.

Personal Inspection Cordially Invited.
R. R. Depot, NAARDEN-BUSSUM, near Amsterdam.
Price list free on demand.

ROSES, 2½-Inch STRONG PLANTS.

Crimson Rambler and other varieties.
$2.00 per 100; $15.00 per 1000.

C. M. NIUFFER, SPRINGFIELD, OHIO.

D. and C. Roses Are the cheapest because they are the best. We have in stock over 1,000 varieties on own roots including all the New European and American varieties of merit, as well as all the old varieties. All sizes from 2½-inch pots up. We can also offer 40 of the leading and newest varieties of Cannas inclu[illegible] Mont Blanc, also miscellaneous lists of Plant and Shrubbery, at prices that will make it worth your while to send us your lists for quotations before buying elsewhere. Send for a copy of Our New Guide to Rose Culture, for 1906, a handsome book of 116 pages. Free for the asking.

The DINGEE & CONARD CO., West Grove, Pa.
Established 1850. 70 Greenhouses.

Please mention the American Florist when writing.

Fine young plants on own strong roots **ROSES** From 2½-in. pots, many sorts in 4-in.
Prices per 100. Will quote per 1000 on request.

H. P's: Alps, Charta, Christy, Clio Colomb, Diesbach, Dinsmore, Jacq., Laing, Masson, Neyron, Plantier, $3.50. Caprice Jubilee, Lambelin, $4.00. M. Dickson, Ul. Brunner, $5.00. Druschki, $10.00. **H. B's:** Gruss an Teplitz, $3.00.

H. T's: Bes. Brown, Chatenay, Carnot, H. Gould, Kaiserin Meteor, P. & W. La France, $3.00. Richmond, $5.00. Killarney, $7.00. **B. C:** O. Scarlet $3.00.

T's: Cochet, G. Gate, Kruger, M. Guillot, Notting, $3.00 **Cl's:** Chromatella, Lamarque, M. Niel, R. Peary, $3.00. **H. C. & R:** Dor. Perkins, Cr., P. & Y. Ramblers. $3.00. Baby Rambler, $5.00

H. Pol: Clo. Soupert, $3.00.
Nowshipping from 101 sorts propagated extra early.

THE LEEDLE FLORAL COMPANY, SPRINGFIELD, OHIO.

Make Your Want Known

If you want to get rid of it.
A want advertisement in the

AMERICAN FLORIST

will do what you want. Try it now. Back of every ad is a real want, so it pays to answer them. : : : : :

ROSE Mme. NORBERT LEVAVASSEUR
OR BABY RAMBLER.

For Sale 250,000

PRICES:

For plants grafted on briar's roots. 8 to 14 inches high and 3 to 6 shoots.

Per 100.....$ 5.00
Per 1000..... 46.00
Per 10000.... 340 00

THE FIRM OF

LEVAVASSEUR & SONS,

Ussy (Calvados) and Orleans (Loiret), France,

Beg to inform the trade that their contract with Messrs. Brown Brothers, of Rochester, having expired, they are ready to book orders for the popular **BABY RAMBLER.** Plants can be shipped from France from 15th of October, 1906, to 15th of March, 1907. Send orders now direct to our address.

Also Full Line In

Fruit Tree Stock Rose Stock, Evergreens, Ornamentals, Novelties.

PEONIES

FOR EARLY FALL PLANTING.
Choice selection of named sorts. Young plants of three to five eyes. Apply for rates per thousand.

Beresford. Delicate rose. Creamy petaloids Tipped carmine. Large. Doz., $2.50; hund., $15.00.
Delicatissima. Blush rose with circle of buff under guard petals. Very large and full to center. Strong, robust habit. Doz., $4.50.
Eclatante. Cherry rose to center. Full, strong bloom. Early. Doz., $2.00; hund., $12.00.
Festiva Alba. Pure waxy white flaked with carmine at center. Large, full flower. Doz., $3.50; hund., $25.00.
Festiva Maxima. Snow white, flaked carmine at center. A grand, large bloom and very strong grower. Per doz., $5.00; per 100, $35.00.
Floral Treasure. Clear, brilliant pink. Very double; perfect form Doz., $4.50; hund., $30.00.
Globosa. Incurved form. Brilliant rose with salmon center Doz., $1.50; hund. $10.00.
Golden Harvest. Nearest approach to a yellow. Blush guard petals. Doz $4.50; hund., $30.00.
Grandiflora Rubra. Extra large, perfect balls of blood red. Late. Doz., $4.00; hund., $20.00.
Humei. Clear solid pink. Late. Doz., $1.50; hund., $10.00.
La Tulipe. Blush white. Outer petals flaked red. Distinct and fine. Doz., $5.00; hund., $35.00.
Marie Le Moine. Delicate flesh, fading to white. Very full; perfect form. Doz. $4.00; hund., $25.00.
Ne Plus Ultra. Solid shade of brilliant rose. A grand full petaled flower. Doz., $2.00; hund., $12.00.
Officinalis Rubra Plena. Deep crimson. Very early Doz., $1.50; hund., $8.00; thous. $75.00.
Queen Victoria. Guard petals blush white. Flesh tinted center. A grand full flower. Very full and strong. Doz., $2 50; hund., $15.00.
Rosamond. Bright clear pink tipped pale rose. Very large. Doz., $2.50; hund., $15.00.
Rubra Triumphans. Brilliant deep crimson. Fine contrasting color. Doz., $2.00; hund., $12.00.
Somerset. Pale rose with carmine tint and circle of buff Very large. Doz., $3.00; hund., $20.00.
Washington. Solid shade of delicate pink. Full bloom. Early. Doz. $2 50; hund., $15.00
Mixed Pink Varieties. Hund., $8.00; thous., $75.00.

PHONE 312 **JAMES KING NURSERY, Elmhurst, Ill.**

HIBISCUS SYRIACUS MEEHANII

WE now offer to the trade our new hardy variegated leaf Hibiscus Syriacus Meehanii. This plant attracted much attention when exhibited at the American Nurserymen's Convention at West Baden, Ind., and American Florists' Exhibition at Asheville, N. C. Foliage beautifully variegated; never sun-scalds or reverts to the green; flowers single, very large, satiny lavender; blooms during four months; prices on application. Orders booked now.

P. J. BERCKMANS CO., Inc., Fruitland Nurseries AUGUSTA, GA.

Louisville.

TRADE FAIR.

The previous week may be considered a fair one, there having been quite a quantity of funeral work, which was about all that was doing. We have been having very pleasant weather the past 10 days, and the relief was certainly very welcome. Carnation planting is about completed in this section. There are very few lots that are looking as they should, owing to the enormous number of plants that have suffered from stem-rot. Many growers lost from 25 to 40 per cent of their stock. Fortunately some have a surplus to draw on. Roses are in good supply, the quality being satisfactory and the demand very good. Carnations are in fair supply, but the demand is a little slow as yet. Lilies are obtainable in fair quantities, and find some demand. The supply of asters in white and purple is somewhat short. The demand has been very good, and the quality satisfactory. Dahlias are to be had in medium quantities of good quality. The demand so far has been a little slow. A few Shasta daisies were on the market, but the demand for them has about exhausted itself. Green goods are in fair supply.

NOTES.

The regular monthly meeting of the Kentucky Society of Florists was held Tuesday night at August R. Baumer's store, with a fair attendance. About the only thing done was to decide on giving the annual dinner September 11. It is hoped the fall meetings will be larger in attendance.

The bowling club will hold its first prize bowling meet September 18. The "expert" delegates to Dayton will, no doubt, continue the good work.

F. L. S.

Cleveland, O.

GOOD STOCK EAGERLY SOUGHT.

Business the past week has been above the average for this time of the year, everything of good quality being snapped up at sight. Roses are beginning to improve, but Kaiserin still holds the lead. The new crop of carnations is now coming in, but is still short-stemmed. Asters are in full blast and can be had in any quantity. Gladioli are also plentiful.

NOTES.

Carnation plants are as usual very scarce; most growers are having their troubles getting enough to fill their houses.

The new plant of the F. R. Williams Co. is nearing completion and will be an up-to-date place in every respect.

The bedding in front of A. Graham & Son's place is very attractive and is greatly admired by the passersby.

F. R. Williams and family are enjoying a trip up the lakes.

G. B.

NEWBURYPORT, MASS.—A flower and plant exhibition was given at the high school here in July, under the auspices of the City Improvement Society. Its purpose was to start a revival that might restore the beauty of rich gardens here that have been somewhat neglected of late. It is said that this is the first show if its kind in half a century and recalls a famous show given in 1833.

GRAFTED ROSES.

Extra Fine Plants, Free from Mildew.

KILLARNEY, 3½-in. pots.....$18.00 per 100
LIBERTY, KAISERIN, MAIDS, WOOTTON, 3½-in. pots, 12 00 per 100

OWN ROOT ROSES.

RICHMOND, PERLES, 3-in. pots.....$6.00 per 100
BRIDES, MAIDS, GOLDEN GATES, KAISERIN, LIBERTY, WOOTTON, 3-in. pots..... 4.00 per 100

J. L. DILLON, Bloomsburg, Pa.

E. F. WINTERSON CO.

45-47-49 Wabash Ave., CHICAGO.

All Cut Flowers in Season.

SEND YOUR FALL SUPPLY ORDERS TO

"Leading Florists' Supply House of the West."

WE CARRY EVERYTHING IN SUPPLIES.

GERANIUMS

ROOTED CUTTINGS.

Orders booked for delivery Nov. 1, and after I will have fourteen houses planted to stock plants and can supply you with the right kind of cuttings.

	Per 100	1000
S. A. Nutt, Perkins, Buchner, Doyle	$1.25	$12.50
Viaud, Jaulin, Poitevine, L. Francis, Ricard, Castellane, Trego	1.50	15 00
Peter Henderson	2.00	20.00
Fleuve Blanc (White Poitevine)	5.00	50.00

These cuttings are carefully grown and will make a better plant than the average pot plant.

FIELD PLANTS.

S. A. Nutt, Castellane and Ricard, ready for 3-inch pots, at $2.00 per 100.

ALBERT M. HERR,
Lancaster, Pa.

Cyclamen. Primulas.

Cyclamen Giganteum Splendens, in five colors, also including Rokoko, Low's Pioneers, Butterfly, fringed, lilac, salmon, all that is best, 3-inch, ready for 5-inch, per 100, $6.00; 4-inch ready for 6-inch, per 100, $10.00.

Primula Obconica Grandiflora, Fimbriata, rose, carmine, new giants, all the best, 2½-inch per 100, $3 50; 4-inch per 100, $6.00. All ready for a shift.

Chinese, Vaughan's, International, new giant two best English strains, 3-inch per 100, $5.00; 4-inch, $10.00 per 100, all ready for a shift.

J. SYLVESTER, Florist,
OCONTO, WIS.

Special to Get Room.

Send cash. Money back if not satisfied. Prices good for one week or only until stock is sold.

FANCY FICUS, 5 in., 18 to 24 in.....35c
Take our **Fern List** and deduct 10 per cent.
ROSES. Our list 20 per cent. off in 1000 lots only.
CHINESE PRIMROSES, 2-in.....$ 5 00
PRIMULA OBCONICA, 2-in..... 5.00
CYCLAMEN, 3-in., $7.50; 4-in..... 15.00
CELESTIAL PEPPERS, 3.in, ready for 5, $5.00; 5-in., $10.00; 8-in., $25.00.
CARNATIONS, field-grown, Mrs Joost, $5 per 100
POINSETTIAS, 2½-in., $5; 3-in., $7 50; 4-in., $12.50
If there is anything you want, write us.

GEO. A. KUHL, Pekin, Ill.

Carnation Plants.

Dirt Cheap, if called for.

	Per 1000
Enchantress, 2nd size	$20.00
Crusader, 2nd size	20.00
Boston Market, 2nd size	20.00
Mrs. Nelson 2nd size	20.00
Pink Lawson, 2nd size	20.00
White Cloud, 2nd size	20.00
Guardian Angel, 2nd size	20.00

BRANT & NOE FLORAL CO.
W. Peterson and 48th Aves.. CHICAGO.

AMERICAN FLORIST ADS

Always do business
Week days and every day
Sundays and holidays
All over the country
At home and abroad

GET THE BEST

It don't pay to buy poor stock.

	Per 100	Per 1000
Richmond Roses, 2½-in.	$5.00	$40.00
" " 3½-in.	6.50	55.00
American Beauties, 3-in.	5.00	40.00
" " 3½-in.	6.50	55.00
Chatenay, 2½-in.	3.50	30.00
" 3½-in.	5.00	45.00
Uncle John, 2½ in.	3.50	30.00
" 3½-in.	5.00	45.00
Golden Gates, 2½-in.	3.50	30.00
" 3½-in.	4.50	
Kaiserin, 2½-in.	3.50	30.00
Sunrise, 3½-in.	5.50	50.00

Satisfaction Absolutely Guaranteed.

	Per 100	Per 1000
Sprengeri, 3-in.	$4.00	$35.00
Plumosus, 3 in.	5.00	45.00
Yellow Snapdragon, 3½-in.	5.00	45.00

Field-Grown Carnation Plants.

Free from stem rot or other diseases.
Strong, healthy plants

	Per 100	Per 1000
Wolcott	$4.00	$35.00
Prosperity	4.00	35.00
Fiancee	4.00	35.00
Nelson Fisher	6.00	55.00
Queen	5.50	50.00
Lawson, Thos.	5.50	50.00

POEHLMANN BROS. CO.

MORTON GROVE, ILL.

Please mention the American Florist when writing.

CARNATIONS.

Mrs. Lawson, Avondale, Glacier Ethel Crocker, Eclipse, Phyllis, etc., healthy, bushy stock, $6.00 per 100; per 1000. $55.00

Enchantress, extra strong, $7.00 per 100; $60.00 per 1000.

Rose Pink Enchantress, large, $15.00 per 100.

See last advertisement.

NATHAN SMITH & SON

ADRIAN, MICH.

Please mention the American Florist when writing.

CARNATIONS

Fine, Field-Grown Plants.

700 M. A. Patten, 350 Fiancee, 350 Cardinal, 175 Sunbird, 200 Fair Maid, $5.00 per 100.
500 Belle, $6.00 per 100.
675 Prospector (Red Maceo) $4.00 per 100

Stock grown at and shipped from Springfield, Ill.

S. S SKIDELSKY,

824 No. 24th Street, PHILADELPHIA, PA.

Please mention the American Florist when writing.

SPECIALTIES.

ROSES from 3-inch pots. **CHRYSANTHEMUMS.**
CARNATIONS, for fall delivery. **SMILAX. VIOLETS.**

IN BEST VARIETIES.

Prices low. Send for list.

WOOD BROTHERS, Fishkill, N. Y.

Please mention the American Florist when writing

Carnations

For Sale. Strong, healthy, field-grown plants

	Per 100	1000		Per 100	1000
Lawson	$5.00	$40.00	Harlowarden	4.00	35.00
Enchantress	5.00	40.00	Crusader	4.00	35.00
Boston M'ket	4.00	30.00	Guar. Angel.	3.00	25.00

Sprengeri, out of 2½-in., fine stock, $4.00 per 100.

SCHEIDEN & SCHOOS,

Asbury and Warren Aves., **Evanston, Ill.**

Please mention the American Florist when writing

FINAL OFFER ON PEONIES

To reduce surplus we make the following **SPECIAL PRICES** per hundred for immediate acceptance.

	Divided	Small	Medium
Festiva Maxima, tallest and finest, paper white	$30.00		$90.00
Festiva, true drop white		35.00	60.00
Queen Victor a, best white for storage	15.00	25.00	
Madame Crousse, pure white, very fragrant		50.00	100.00
La Tulipe, blu h white, tulip markings		50.00	
Globosa Grandiflora, very large, full white	15.00		40.00
Madame de Verneville, delicate, fragrant white		50.00	100.00
Golden Harvest, fancy yellow with blush guard		35.00	60.00
Duchess de Nemours, pure white, no markings		35.00	75.00
Triomphe de l' Exposition de Lille, light rose pink, model petals		40.00	70.00
Beaute Francaise, early, fragrant, light pink	20.00		45.00
Floral Treasure, clear, fresh pink		40.00	75.00
Edulis Superba, very early, deep pink	20.00		45.00
Louise Renault, late pink	20.00		45.00
M. Boucharlat Aine, bright rose, fragrant	30.00		65.00
Augustin d' Our, rich red, large and full	20.00		70.00
Berlioz, large, current red	20.00		60.00
Rubra Triumphans, early, dark red		25.00	
Emile Lemoine, rich red, bomb shape, no stamens	20.00		70.00
Delachei, rich, dark red, late		30.00	

Not less than 25 at the above prices. Divided plants have one to four strong eyes; small plants are one year old; medium are two years old.

PETERSON NURSERY

520 W. Peterson Ave., CHICHGO, ILL.

PEONIES

We have the largest and most select stock in the world.

SEND FOR OUR 1906 CATALOGUE.

SURPLUS STOCK.

We offer the following varieties in strong divisions from 2 to 5 eyes each.

Name	Color	Per 100
Achillea.	Blush White	$ 8.00
Alba Sulfurea.	Lemon Yellow	20.00
Alice de Julvecourt.	Salmon Pink	12.00
Charles Verdier.	Carmine	8.00
Duc de Wellington.	Sulphur White	20.00
Duchesse de Nemours.	(Guerin) Pink tinted lilac	20.00
Festiva Maxima.	White	30.00
Golden Harvest.	Tri-Color	25.00
Humei Carnea.	Cherry Pink	8.00
Mme. Costa.	Rose	20.00
Mme. Muyssart.	Delicate Pink	20.00
Ne Plus Ultra.	Bright Rose	12.00
Queen Victoria.	White	8.00
Rubra Triumphans.	Crimson	20.00
Off. Rubra fl. pl..	Deep Crimson per 1000, $70.00;	8.00
Mixed Pinks.	per 1000, 60.00;	7.00
Mixed, all colors.	per 1000, 60.00;	7.00

COTTAGE GARDENS CO., Inc., Queens, N. Y.

PAEONIAS

For September Delivery.

We are booking orders **NOW** from a large and well-assorted stock, carefully selected from hundreds of varieties tested. All have bloomed with us, and we guarantee them true to name. Send for special list, with prices

We are headquarters also for —

ROSES, CLEMATIS, AMPELOPSIS and HYDRANGEAS.

Use printed stationery We sell at wholesale only.

JACKSON & PERKINS CO., Newark, Wayne County, New York

Trade Directory Now Ready

PRICE $2.00

American Florist Co., Chicago.

San Francisco.

STREETCAR STRIKE AFFECTS TRADE.

After 11 days of general distress in this much troubled city, owing to an ill-advised walkout of union labor employes of the streetcar system and the cessation of transportation, there was general joy September 6 because the employes have yielded to popular disapprobation of their action and commenced running their cars, thereby causing florists and all other tradespeople to smile once more. During these days of enforced pedestrianism stores generally have been shy of customers not owning automobiles, and the flower depots have been no exception, business stagnation being the degree of dullness announced by florists and growers. I haven't heard, however, that any wedding dates were interfered with or postponed, and several swell hymeneal functions are notable as bits of business leaven that saved the dull period for the trade from absolute sluggishness. One of these weddings occurred over the bay in Oakland and the other in this city. The scene of the over-the-bay affair was in the First Congregational church, the largest meeting house on the Pacific coast, and was witnessed by the entire congregation. For 24 hours before the marriage J. Seulberger, of Oakland, and a big staff of expert assistants had possession of the church, and he must have made it very beautiful, for the Oakland paper says: "It was the most brilliant wedding of the year. The ceremony took place under a bower of orange blossoms, interwoven with Spanish roses and fragrant lilies, and the large auditorium of the big church was a veritable bower of the ever-popular combination of pink and green." The other wedding of the week was that of Miss Ethyl Hager, the belle of the town, with Miss Helen de Young, the Chronicle proprietor's daughter, as her maid of honor. Sievers & Boland did their best in setting off the scene of the event florally. It was a high affair, that is to say, the bride is only one half inch under six feet high, while the groom is six feet six, and the priest who read the service is six feet four.

During the week a Pasadena grower has come to the front claiming he has out-Burbanked Burbank. His name is J. L. von Hoffman, and his production is a jet black rose. His price per bush is $25,000, an amount he namer on recently receiving a letter of inquiry from J. Pierpont Morgan's private secretary.

JESSE WHITE.

Toronto.

BUSINESS EXCEPTIONALLY GOOD.

Business in the downtown stores is exceptionally good which is due no doubt to the large influx of visitors although there is also a large amount of funeral work and a fair number of weddings. Roses are now plentiful enough to fill orders and the quality is good for the season. American Beauty, Killarney, Richmond, Bride and Bridesmaid, are all in fairly good crop. Carnations are becoming more plentiful and chrysanthemums are promised in a few days. Asters with most growers are over for the season, but the last few days have proved good for dahlias.

Bouvardia from Grobba and Wandrey's, of Mimico, is a splendid addition to the few varieties of stock at present.

The demand for field grown carnations has been exceedingly good and most growers are sold out.

B. C. Crowhurst, of Humber Bay, is sending in some very large Grand Duke Alexis dahlias.

The Mitchell Nursery Co., Mr. Skinner foreman, is cutting new roses and carnations.

H. G. D.

Canadian National Exhibition.

The Canadian national exhibition has closed its doors, having had the largest attendance on record. The display of plants in the horticultural building was a very creditable one, including some highly colored crotons, orchids, begonias and stove plants. The most keenly contested prize in the plant section was that for the most tastefully arranged group on space not exceeding 200 square feet, which was won by Thos. Manton. Among the most successful prize winners were the Exhibition park, Thos. Manton, the Steele Briggs Seed Co., Allan gardens, Wm. Jay & Son, Government house, Sir Henry Pellatt, Reservoir park, J. B. Stevens and others. In the cut flower section the prizes were well distributed excepting in the made up work, in which J. H. Dunlop took all the first prizes, six in all, namely, for Bride's bouquet, wreath, gates ajar, presentation basket, center piece and most original and best funeral design. In carnations Mr. Dunlop took both first prizes, and in roses the North Toronto Floral Co. two firsts and Mr. Dunlop one. The judges were E. Mepstead, Ottawa, Ont., and Geo. Robinson, Montreal, Quebec.

H. G. D.

Massachusetts Horticultural Society.

AWARDS FOR PLANTS AND FLOWERS.

Palms, pair: Mrs. Frederick Ayer, 1st; Wm. Whitman, 2d; Mrs. John L. Gardner, 3d. Six greenhouse and stove plants, decorative specimens of different named varieties, Mrs. John L. Gardner, 1st, 2d and 3d. Caladiums, six named varieties: Mrs. John L. Gardner, 1st. Ferns, five named varieties, Mrs. John L. Gardner. Specimen, other than tree fern: Mrs. John L. Gardner, 1st. Adiantums, five named species: Mrs. John L. Gardner, 1st. Dracænas, six named varieties: Mrs. Frederick Ayer, 1st; Mrs. John L. Gardner, 2d. Crotons, 20 plants, not less than 18 named varieties, in not less than 6 inch pots: Mrs. Frederick Ayer, 1st. Dahliahs, show 18 blooms, named varieties: J. K. Alexander, 1st; Edgar W. Ela, 2d; H. F. Burt, 3d. Fancy, 18 blooms, named varieties: Edgar W. Ela, 1st; Wm. H. Symonds, 2d; Wm. C. Winter, 3d. Cactus, 18 blooms, named varieties: Edgar W. Ela, 1st; Mrs. H. A. Jahn, 2d; W. P. Lothrop, 3d. Decorative, 12 blooms, named varieties: W. G. Winsor, 1st; W. D. Hathaway, 2d; F. L. Tinkham, 3d. Show, 12 blooms, named varieties: J. K. Alexander, 1st; Edgar W. Ela, 2d; W. P. Lothrop, 3d. Fancy, 12 blooms, named varieties: Edgar W. Ela, 1st; Mrs. H. A. Jahn, 2d; W. P. Lothrop, 3d. Best single bloom, of any class, introduction of 1903 or later: W. G. Winsor, 1st; F. G. Baker, 2d; J. H. Flint, Elberton, 3d. Pompon, 12 vases of three blooms each, named varieties: J. K. Alexander, 1st; W. D. Hathaway, 2d; Edgar W. Ela, 3d. Single, 12 vases of three blooms each, named varieties:: Edgar W. Ela, 1st; W. P. Lothrop, 2d; Wm. C. Winter, 3d. Largest and best collection of named varieties, one vase of each: Mrs. L. M. Towle, 1st; Edgar W. Ela, 2d; Wm. C. Winter, 3d. Hardy herbaceous flowers, 30 bottles, distinct species and varieties, not less than 10 genera: Blue Hill Nurseries, 1st; Bay State Nurseries, 2d.

FOR AMATEURS ONLY.

Dahlias, 25 named varieties, large flowers, all classes, one flower of each, J. H. Flint, 1st; W. F. Hall, 2d; J. H. Flint, 3d.

Gratuities.—Harvard botanic garden, display of foliage plants: R. & J. Farquhar & Co., display of foliage plants; J. R. Clarke, herbaceous plants; Bay State Nurseries, display of phlox and herbaceous flowers; Wm. Whitman, display of palms; J. K. Alexander, display of dahlias; Mrs. H. A Jahn, display of dahlias; W. D. Hathaway, display of dahlias; Lager & Hurrell, display of orchids; Blue Hill Nurseries, display of grasses; Mrs. B. M. Gill, display of flowers; Mrs. A. W. Blake, display of flowers; J. K. Alexander, display of gladioli; H. H. Rogers, display of tuberous begonias.

First Class Certificates of Merit.—H. A. Dreer, display of aquatics; Blue Hill Nurseries, Liatris pycnostachya superba.

Honorable Mention.—Blue Hill Nurseries, Lathyrus latifolius Pink Gem; H. H. Rogers, Begonia grandiflora erecta cristata; A. F. Estabrook, display of foliage plants; H. A. Dreer, Inc., Adiantum scutum ramosum; Adiantum macrophyllum album striatum; Asparagus Ducheni; Maranta Goulleti, and Pteris Childsii.

Votes of Thanks.—W. W. Rawson, Lilium Philippense; Joseph Breck & Sons, collection of dahlias, marigolds, etc.; R. & J. Farquhar & Co., herbaceous plants; W. W. Rawson, display of dahlias; G. B. Gill, vase of dahlias; Geo. E. Davenport, seedling dahlias.

Montreal Horticultural Society.

The annual exhibition of the Montreal Horticultural Society was held in the new Royal Scots armory September 5 and 6. President R. Wilson Smith officially opened the exhibition in a brief and well-timed speech. He referred to the fact that he had been in the old land and had seen their horticultural products, but Montreal did not in any respect suffer by comparison.

Among the prize winners were: F. C. Smith, gardener to Sir William Van Horne; W. J. Wilshire, gardener to R. B. Angus; John Dunbar, gardener to Sir Montague Allan; George Trussell, gardener to Mrs. J. H. R. Molson, and R. Jack & Son, of Chateauguay. The judges in the plant classes were Joseph Bennett and D. Wright, and J. Doyle and Alf. Wilshire in classes for professional cut blooms.

OUR PASTIMES.

Outing of the Buffalo Florists.

The event last week was the florists' outing which took place at Fort Erie grove. About 150 were in attendance and all had an enjoyable time. At the dinner President Neubeck had the seat of honor and after all had satisfied themselves with the good things, a few remarks were made by Wm. Scott and a pleasant talk by Wm. F. Kasting. The following is the list of games and winners:

Hundred-yard race: Longley, 1st; Baumgartner, 2d; E. Walters, 3d.

Ladies' race: Miss Schlager, 1st; Ruby Mark, 2d; Miss Sattler, 3d.

Boys' race: R. Klokow, 1st; Griffin, 2d; Bixon, 3d.

Hop, step and jump: D. Scott, 37 feet; W. H. Grever, 36 feet, 11 inches; Baumgartner, 34 feet; J. Langley, 33 feet.

Hop race: Baumgartner, 1st; Langley, 2d; Walters, 3d.

Three-legged race: Walther and Grever, 1st; Kramer and Ray, 2d; Longley and Zimmerman, 3d.

Half mile run: Longley, 1st; Baumgartner, 2d; Zimmerman, 3d; Walther, 4th.

The ball game was a good one. Such has-beens as Anderson and Neubeck took part, but the younger element struck them out at will. All things being favorable Wm. Scott, Wm. Legg and Conley Forbach will enter the game again next year, when another man than Kasting will umpire.

The sage of Corfu has an option on the figure eight and is thinking of buying it. The only wish expressed was that the outing be held earlier next year.

PALMS, FERNS and DECORATIVE PLANTS

We Offer Good Value. Saving in Express and Freight west of Ohio.

ARAUCARIA EXCELSA.

(Norfolk Island Pine.)

We have a large quantity of these popular Christmas plants. All are perfect, well shaped plants, and will give good satisfaction.

Size pot.	Height	Whorls	Each	Doz.
6 in.	16 in.	4	$1.00	$12.00
6-in.	18 in.	4	1.25	15.00
7-in.	22 in.	5	1.50	18.00

ARAUCARIA EXCELSA GLAUCA.

Size pot.	Height	Whorls	Each	Doz.
5-in.	12 in.	3	$1.00	$12.00
6-in.	13 to 15 in.	3 to 4	1.25	15.00
7-in.	18 to 20 in.	4 to 5	1.50	18.00
7-in.	22 to 24 in	4 to 5	2.00	24.00
9-in., fine specimens	30 in.	4 to 5	3.00	....
9-in., fine specimens	34 in.	5	4.00	....

ARAUCARIA ROBUSTA COMPACTA.

Size pot.	Height	Whorls	Each	Doz.
5-in.	10 in.	2	$1.00	$12.00
6-in.	12 in.	2 to 3	1.50	18.00
7-in., fine specimens	28 in.	5	3.00	....
8-in., fine specimens	32 in.	5 to 6	4.00	....

ASPARAGUS PLUMOSUS NANUS.

We Are Headquarters.	Per 100	Per 1000
2-in pots, strong ready for a shift	$3.00	$25.00
2½-in. pots, strong, ready for a shift	4.00	40.00
3-in. pots, strong, ready for a shift	7.00	65.00
Strong Seedings	1.50	12.00

BOSTON FERNS.

Nephrolepis Exaltata Bostoniensis.

We have the finest stock in the west. All our plants are pot grown, bushy stock, well furnished with fronds from the pot up, and cannot be compared with the cheap long-drawn-up lifted stock from the bench. A sample shipment will convince you of our superior stock Stock ready last of August

	Each	Per doz.	Per 100
2½-in pot plants		$ 0.60	$ 5.00
3-in. pot plants		1.50	10.00
4-in. pot plants		2.50	20.00
5-in. pot plants	$ .50	5.00	40.00
6-in. pans plants	.75	8.00	60.00
7-in pans plants	1.00	10.00	75.00
8-in. pans plants	1.00	15.00	.....
9-in. pans plants	$2.00 to $2 50	.....	.....
10-in. pans plants	3.00 to 3 50	.....	.....
12-in. pans plants	4.00 to 5.00	.....	.....

ASSORTED FERNS FOR FERN DISHES.

We have a very large stock of all the best Pteris Ferns, 2¼-in. pots, strong and bushy, assorted, per 100, $3.00; per 1000, $25.00.

BABY RAMBLER ROSES.

We have a fine lot now growing in our fields, and offer strong, dormant plants for October and November delivery.

	Doz.	100	1000
1st size, selected	$3 00	$25.00	$200.00
2nd size, selected	2.50	20.00	150.00
3rd size, selected	2.00	15.00	120.00

Also have a large stock of pot grown plants in bud and bloom.

	Doz.	100
3-in. pots	$1.50	$12.00
4-in. pots	3.00	20.00
5-in. pots	5.00	40.00
6-in. pots	6.00	50.00

NEW ROSE ETOILE DE FRANCE. The best red rose for pot sales, 1-year-old dormant plants, per doz., $2.00; per 100, $15.00

KENTIA FORSTERIANA.

Size Pot	Leaves	Height	Each	Doz.	100
3-in.		8 to 10 in.	$....	$ 2.00	$15.00
4-in.	5 to 6	15 to 16 in.	....	4.00	30.00
5-in.	5 to 6	24 in.	.75	9.00	....
6-in.	5 to 6	26 to 30 in.	1.00	12.00	....
6-in.	6	28 to 30 in.	1.25	15 00	....
6-in.	6	34 to 36 in.	1.50	18.00	....
7-in.	6	36 to 40 in.	2.00	24 00	....
8-in.	5 to 6	45 in.	3.00	36.00	....
8-in.	6 to 7	45 to 50 in.	3.50	....	....
8-in.	6 to 7	50 to 55 in.	4.00	....	....
9-in.	6	55 to 60 in.	4.50	....	....
10-in tubs	6 to 7	65 in.	6.00	....	....
10-in. tubs	6 to 7	70 in.	7.00	....	....
12-in. pots	6	75 in.	8.00	....	....

MADE-UP KENTIA FORSTERIANA.

Size Pot	Plants in Pot	Height	Each
8-in.	3	40 in.	$3.00
8-in.	3	40 to 45 in.	3.50
9 in.	3	50 in.	4.00
9-in.	3	55 in.	4.50
9-in.	3 heavy	60 in.	5.50
9-in. tubs	3 heavy	65 in.	6.00
9-in. tubs	3 heavy	70 in.	7.00
10-in. tubs	5	55 in.	6.00

KENTIA BELMOREANA.

Size Pot	Leaves	Height	Each	Doz.	100
5-in.	5 to 6	18 to 20 in.	$ .75	$ 9.00	$70 00
6-in.	6	20 to 22 in..	1.00	12.00	....
6-in.	6 to 7	24 in..	1.25	15.00	....
7-in.	6	26 to 28 in..	1.50	18 00	....
7-in.	6	28 to 30 in..	2.00	24.00	....
7-in.	6 to 7	32 to 34 in..	2 50	30.00	....
7-in.	6 to 7	35 in..	3.00	36.00	....
8-in.	6 to 7	40 in..	3.50	....	....
8-in.	6 to 7	40 in., heavy	4.00	....	....
9 in. tubs	7	36 to 40 in., heavy	5.00	....	....
9 in. tubs	7	50 in., heavy	8.00	....	....
12-in. pots	8	55 to 60 in., heavy	12.00	....	....

CELESTIAL OR XMAS PEPPERS.

One of the very best of Christmas plants.	Per doz.	Per 100
Strong plants, 4 in. pots	$1.25	$10.00
Strong plants, 5-in. pots	2.00	15.00

FICUS ELASTICA. (Rubber Plant).

5-inch pots, 12 to 14 in. high.....$5.00 per doz.; $40.00 per 100

CYCAS REVOLUTA. (Sago Palm.)

We can supply these in various sizes, from 1 to 6 lb. bulbs, in leaf, at 50c per lb.

HYDRANGEA ROSEA. (New).

3-in. pot plants, ½ stems.....$1.00 per doz.; $8.00 per 100
Otaksa and Thos. Hogg, 4-in. pot plants, 2-3 branches.....$10.00 per 100
field plants, 3-4 branches..... 15.00 per 100

CARNATIONS.

Victory and Robert Craig, medium size.....$12.00 per 100

RICHMOND ROSES.

2½-in. pots, strong	$ 7.00 per 100:	$ 60.00 per 1000
3-in. pots strong	8.00 per 100:	75.00 per 1000
4-in. pots, strong	12 00 per 100:	100.00 per 1000

KILLARNEY, strong.
Strong, 3-in. stock.....$ 8.00 per 100; $ 75.00 per 1000
4-in..... 12.00 per 100: 100.00 per 1000

PAEONIES FOR SEPTEMBER PLANTING. We have the best kinds of our own growing, all true to name. Send for complete list.

PERENNIALS FOR FALL PLANTING. Our stock is large and consists of all the best sorts. Send for special list.

Send for our special list of Palms, Ferns and Decorative Plants. We offer good value; saving in express and freight west of Ohio.

14 Barclay St. NEW YORK. **VAUGHAN'S SEED STORE,** 84-86 Randolph St. CHICAGO.

GREENHOUSES, WESTERN SPRINGS, ILL.

—HEADQUARTERS FOR—

CHOICE PLANTS

English Ivy, Anthericums, Kentias Forsteriana and Belmoreana, Phoenix Canariensis, Araucarias, Bay Trees and Boxwood Pyramids, Asparagus Plumosus, Bird's Nest, Scottii, Elegantissima, Piersoni Boston and Johnsoni Ferns, Cattleya Trianæ, Rubbers, Dracænas Terminalis and Fragrans, Pandanus Veitchii, Gardenia Veitchii, Cycas Revoluta, Cibotium Schiedei, Livistona Sinensis, Areca Lutescens, Crotons, Aspidistras, Lygodium Scandens, Primula Obconica, Begonia Rex, Daisies, Fern Balls, Lily of the Valley, Cut Flowers, Leaf Mold, Orchid Peat, etc. Write for prices.

Anton Schultheis 19th St. and 4th Ave., College Point, L.I., N.Y.

Asparagus Plumosus.

Exceptionally fine stock from 3-in. pots, $5.00 per 100.

Asparagus Sprengeri,

From 3½-in. pots, $6.00 per 100.

Write for price on large lots.

SCHARFF BROS.,
Van Wert, Ohio.

Queen Beatrice Rose.

Four to one shot. Four times as many flowers as Maid.

F. H. KRAMER, 918 F St., WASHINGTON, D. C.

2,000

California Violets.

Large plants, $4.00 per 100.

JOE HAUSER, Webster Grove, Mo.

Palms, Ferns, Etc.

WHOLESALE PRICE LIST.

Bouvardia, field-grown, pink and white, ready to plant into bench for winter blooming, $8.00 per 100.

Hydrangea Otaksa, field grown, $1.50 and $2.00 per doz.

	In.	Tiers.	Ea.	Doz.	100
Araucaria Excelsa	4	2 to 3	$0.35	$4.00	
" "	5	3	.75	9.00	
" "	6	3 to 4	1.00	12.00	
Asparagus Plumosus	2				$3.00
" "	3				6.00
Asparagus Sprengeri	2				3.00
" "	3				6.00
" "	4			1.50	
" "	5			2.00	

Asparagus Scandens Deflexus, a beautiful green for wedding and funeral work, 3-in. pots at $1.50 per doz.; 4-in. pots at $2.00 per doz.

Bay Trees, small standards, 12-inch heads, $5.00 per pair.

Bay Trees, pyramids, 5 feet high, $15.00 per pair

Carnations, field-grown. We have to spare: 500 Enchantress, $6.00 per 100; 500 Lawson, $4.00 per 100; 1000 White Cloud, $4.00; 800 Sports, $4.00 per 100; 500 Estelle, $5.00 per 100; 100 Harlowarden, $5.00 per 100.

Adiantum Capillus, 5-in., $2.00 per doz.

Boston Ferns, 4-in. pots, $1.50 per doz.; 5 in. pots, $3.00 per doz.; 6-in. pots, $4.20 per doz; 6-in. pots, strong, $6.00 per doz.; 7-in. pots, $9.00 per doz. Larger specimens, $1.50, $2.00 and $3.00 each.

Scottii Ferns, 10-in. pots, $2.00 each.

Assorted Ferns for dishes, $3.00 per 100; $25.00 per 1000. We have a large lot to offer in best varieties.

Fern Balls, 7 to 9. Dormant or in leaf, $4.20 per doz.

Crytomium Falcatum, fine plants, 35c and 50c each

Dracaena Fragrans, 5-inch pots, 50c each; $5.00 per doz. 6-in. pots, 75c each; $9.00 per doz

Dracaena Indivisa. 2-inch pots, $2.50 per 100; 6-inch pots, 20 to 26 inches high, 50c each; $5.00 per doz.; 7-inch pots, 30 to 34 inches high, 75c each; $9.00 per doz.

Dracaena Massangeana, 8-inch pots, $2.00 each.
" " beautiful specimens, 9-inch pots, $3.00 each.

Dracaena Terminalis, 4-inch pots, 25c each; $3.00 per doz.; 5-inch pots, 35c each; $4.20 per doz.

Honeysuckle Vines, 4-inch pots, $8.00 per 100.

Maranta Lietzii, 2¼-in., $1.00 per doz.

Pandanus Veitchii, 7-in., $2.00 ea.; $24.00 per doz.
" **Utiles,** 3-in. ..... per doz., $1.50
" " 4-in. ..... per doz., 3.00
" " 5-in. ..... per doz., 5.00

Areca Lutescens, 5-in., 50c each; $5.00 per doz.

Cocos, for dishes, 2½-inch, $1.50 to $1.75 per doz.

Cocos Bonetti, large specimens, $40.00 each.

	In.	Each	Doz.
Kentia Belmoreana	3		$ 2.00
" "	5	$0.60	7.20
" "	6	1.00	12.00
" "	6 xx	1.25	15.00
Kentia Forsteriana	5	.60	7.20
" "	6	1.25	15.00
" "	7	2.00	24.00
Phoenix Canariensis, 2-in.		per doz.,	1.00
" " 5-in.		per doz.,	5.00

" " fine bushy plants, 10-in. pots, $3.00 each. Large specimens, $25.00 to $30.00 each.

Phoenix Reclinata, 3½-in. ..... per doz., $2.00
" " 4-in. ..... per doz., 3.00
" " 6-in., 50c each; per doz., 6.00
" " 7-in., 75c each.

Sansevieria Jav. Var., 4-inch at $2.00 per doz.

Selaginella Denticulata, 3-in., per doz., $1.00.

The Geo. Wittbold Co.

1657 BUCKINGHAM PLACE, CHICAGO.

Please mention the American Florist when writing

Will Sell Cheap

50,000 Canna Roots

Mostly Alphonse Bouvier.

Also 10,000 Boston Ferns in 4-inch and 5-inch pots, Send for prices.

JOHN WOLF, Ott and Anderson Sts., SAVANNAH, GA.

CARNATIONS.

Strong, Healthy, Field-Grown Plants.

PINK	Per 100	Per 1000
Lawson	$5.00	$40.00
Nelson	3.00	25.00
Guardian Angel	3.00	25.00
Nelson Fisher	7.00	60.00
Enchantress	7.00	60.00
Morning Glory	4.00	30.00
Higinbotham	3.00	25.00
WHITE	**Per 100**	**Per 1000**
Boston Market	$4.00	$35.00

WHITE	Per 100	Per 1000
Flora Hill	$3.00	$25.00
Queen Louise	3.00	25.00
White Cloud	3.00	25.00
RED	**Per 100**	**Per 1000**
Estelle	$5.00	$40.00
Mrs. Ine	3.00	25.00
VARIEGATED	**Per 100**	**Per 1000**
Mrs. Patten	$6.00	$50.00
Armazindy	3.00	25.00

ROSE PLANTS.

	Per 100	Per 1000
Liberty, 3-in	$4.00	$35.00

	Per 100	Per 1000
Chatenay, 2½-in	$4.00	$35.00

PETER REINBERG,

51 Wabash Avenue, CHICAGO.

GERANIUMS

2½in. Pots, Ready for Immediate Delivery

Alliance. Lemoine 1905. Hybrid, Ivy and Zonal, semi-double, lilac white, upper petals feathered and blotched crimson maroon, 25c each; $2.00 per doz.

Fleuve Blanc, the semi-double Bruant that promises to become the standard white, flowers and foliage equal to Alph. Riccard, $1.50 per doz.; $10.00 per 100.

Double Dryden, $1.00 per doz.; $5.00 per 100.

Send for Geranium Catalogue.

	Per 100	1000
Alternanthera, red and yellow	$2.00	15.00
Hardy English Ivy	2.00	15.00
Smilax	2.00	15.00

Cactus Geraniums, four varieties, petals curled and twisted similar to the Cactus Dahlia, $2.00 per doz.; $15.00 per 100.

S. A Nutt, La Pilote, Beaute Poitevine, Mme. Barney, Centaur, Miss Kendall, Mme. Jaulin, Jean Viaud, Mme. Charotte, 40c per doz.; $2.00 per 100; $18.00 per 100.

Ville Poitiers, Marquise de Castellane, Berthe de Persilly, M. Jolly de Bammeville Thos. Meehan, 50c per doz.; $3.00 per 100; $25.00 per 1000.

Let us figure on your future supply.

DAHLIA ROOTS.

We are booking orders for fall delivery. Send for list.

A cordial invitation is extended to all interested in horticulture to visit us. Cowenton station, Philadelphia division, B. & O. R. R., 12 miles north of Baltimore.

R. VINCENT, JR. & SON, White Marsh, Md.

LUDVIG MOSBAEK,

ONARGA, ILL.

100,000 Asparagus Pl. Nana and **Sprengeri,** very strong and fine plants, ready for shift, 4-in., $10.00; 3-in., $5.00; 2¼-in., $2.50 per 100. Seedlings, $10.00 per 1000.

10 Acres of Cannas. List mailed and orders booked for fall delivery.

40,000 Ferns, in var.: **Anna Foster, Boston, Piersoni** and **Sword Fern** (Exaltata), very fine, pot grown, ready for shift, 6-inch, $40.00 per 100; $6.00 per doz.; 4-in., $15.00; 3-in., $8.00. **Boston** and **Piersoni,** strong runners $30.00 per 1000.

3,000 Nephrolepis Piersoni Elegantissima, 4-in., $40.00; 3-in., $15.00; 2¼-in., $10.00 per 100.

20.000 Geraniums, stock plants, from field, in standard var., $6.00 per 100, $50.00 per 1000. Will also book orders for R. C and 2¼-in. plants.

Palms, Dracaena Indivisa, 3-in., $5.00 per 100. 4-in., $10.00 per 100 **Kentia,** 3-in., $12.00 per 100. **Phoenix Canariensis,** 4-in., $20.00 per 100.

Pansies are working their way to the front once more. Our International Strain, Seedlings, $3.00 per 1000; Seed, per oz., $6.00; ⅛ oz., $1.00; prepaid for cash.

Roses, Brides and Bridesmaids, 3-inch, in fine condition, $5.00 per 100.

Sansevieria Zeylanica var., 4-in., $15.00 per 100 3-in., $8.00 per 100.

Let me send you a sample of my Asparagus and Ferns. They are worth more money to you than to me.

DAHLIAS.

Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring.

DAVID HERBERT & SON,

Successors to L. K. Peacock, Inc., ATCO, N. J.

O. K. ORCHIDS

A large shipment of

Cattleya Gigas

just arrived in splendid condition. All plants especially collected by myself.

WRITE FOR PRICES.

JOHN DE BUCK

P. O. Box, 78

COLLEGE POINT, L. I., N. Y.

Please mention the American Florist when writing.

ASPARAGUS

PLUMOSUS NANUS, 2-inch pots, $3.00 per 100; $25.00 per 1000, transplanted from the bench, $2.50 per 100; $20.00 per 1000.

SPRENGERI, 2-inch, $3.00 per 100; $25.00 per 1000, from bench, $2.50 per 100; $20.00 per 1000.

WM. CLARK, Colorado Springs, Col.

ABUNDANCE!

Healthy stock, field-grown plants, 1st size, $12.00 per 100; $100.00 per 1000; 2nd size, $10.00 per 100; $75.00 per 1000; 250 at 1000 rates. Delivery 15th of August. Cash with order.

RUDOLPH FISCHER, GREAT NECK, L. I., N. Y.

BERTHA RATH

CARNATION.

FERNS, PALMS,

ARAUCARIA EXCEL.,

ASPIDISTRA,

Green and Variegated.

BAY TREES and PRIVET,

Fine, Strong Stock.

R. DREYER, WOODSIDE, L. I., N. Y.

MABELLE, New Pink Carnation for 1907.

Color—A peculiar shade of lovely pink, with a faint yellowish cast; several shades lighter than the Lawson Unlike most pinks, the brightest sun does not injure the color. Size—3 to 4 inches in diameter when established. Odor—Pleasing, but not strong. Stems—Invariably strong, but always graceful, ranging from 12 to 30 inches during the season. Habit, etc.—A very quick, active grower, making specimen plants in a short time, even from late cuttings. On account of its rapid growth, requires supporting very soon after benching. Gets away rapidly, blooms early and gives long stems right from the start. Productiveness—Prodigious is the best word we know of to use here. It is the most incessant bloomer, early and late, we have ever grown. Stock limited. Delivery January 5 to 10 and later. Price, $12.00 per 100, $100.00 per 1000.

THE H. WEBER & SONS CO., Oakland, Md.

BUY

Crotons, Dracaenas, Camellias, Ardisias, Farleyense,

FROM

Julius Roehrs Co., Exotic Nurseries, RUTHERFORD, N. J.

Carnations.

	Per 100	Per 1000
5,000 Enchantress	$5.00	$45.00
5,000 Mrs. Thos. W. Lawson	4.50	35.00

ELI CROSS, Grand Rapids, Mich.

CARNATIONS.

Enchantress.....$5.00 per 100; $45.00 per 1000
Thos. Lawson ... 4.00 per 100; 35.00 per 1000
Fiancee..... 5.00 per 100; 45.00 per 1000

Fine, healthy plants, grown in sandy soil.

JOHN MUNO, Rogers Park, Chicago, Ill.

CARNATIONS, field-grown

	Per 100		Per 100
2000 Queen Louise, large	$5 00	300 Kohinoor, large	$4.00
2000 Pr'sp'rity large	5.00	600 Frances Joost, large	4.00
500 Lady Bountiful, medium	7.00	200 Gov. Wolcott, large	5.00
1500 Harlowarden, large	5.00	100 Her Majesty, large	5 00
300 America, large	5.00	300 Estelle, smal'..	5.00

C. H. FREY, Lincoln, Neb.

LARGEST STOCK OF ALL

Belgian Plants.

AZALEAS, ARAUCARIAS, SWEET BAYS, PALMS, BEGONIAS, GLOXINIAS, ETC.

Louis Van Houtte Pere,

GHENT, BELGIUM.

Carnations We make it a business to grow and sell carnation plants. No surplus stock. All A1 plants.

	Per 100	1000		Per 100	1000
Enchantress	$5.00	$45.00	Glacier	4.00	35.00
Prosperity	4.50	40.00	Flamingo	5 00	45 00
Morn. Glory	4.00	35.00	Crane	4.50	40.00

Cash with order, please.

Blanksma Bros., R. F. D. No. 11, GRAND RAPIDS, MICH.

WATCH US GROW.

Araucaria Excelsa

The Best of All Decorative Plants Nature Produces

OUR SPECIALTY.

Every man in business and life to be successful must adopt one thing as his specialty, and that specialty, whatever he select, of whatever nature it may be, he must guard, study and push to such an extent that it not only benefits himself, but he must conduct it so that everyone who seeks his aid, service or his article, which he advertises or practices, will share a slice of his activity and prosperity. I made the importation and cultivation of Araucarias as a special study in my life. The figures below will show my success in business: In the first year I commenced with an importation of 250. In the eleventh year now, 1906, my importations have grown up to 6,000 (come and see it), and on account of the Araucaria growing yearly more in favor by the plant consuming people all over the country, as a much admired decorative plant for the parlor, bed, dining and sitting room, stores, hotels, lawns and porches the outlook will be for an importation at least of 8,000 to 10,000 in spring of 1907. To secure this vast amount for 1907 I am now on the ocean, per steamer New Amsterdam, leaving Hoboken Aug. 15, striking for Belgium, making contract for next year, 1907. I also shall at the same time bring over with me a large lot of choice Azalea Indica and Palms, etc., for Christmas and Easter flowering. No money will be spared in obtaining for my customers the cream of the Belgium greenhouses only.

Please note lowest prices now going on for August and September:

Araucaria Excelsa.

12 to 14 in. high, 5½-in. pots, 3 to 4 trs., 2 yr. old.$ .50
12 to 14 in. high, 5½-in. pots, 3 to 4 trs., 2 yr. old. .60
16 to 18 in. high, 5½ to 6 in. pots, 3 to 4 trs., 3 yr. old ..... .75
18 to 20 in. high, 6-in. pots, 5 to 6 trs., 4 yr. old.. 1.00
20 to 24 in. high, 6-in. pots 5 to 6 trs., 4 yr. old.. 1.25
36 to 50 in. specimen, 7-in pots 6 yr. old, $2.50 to 3.00

Araucaria Compacta Robusta, have 1000 of them, never were so nice as this year. Plants are as broad as long from 12 to 20 in. in height, 3 to 4 perfect tiers, 20 to 30 in. wide across from one tip of tiers to the other, 3, 4 and 5 years old, 6 to 7-in. pots $1.25, $1.50, $1.75, $2.00, up to $3.00 each.

Araucaria Excelsa Glauca, are perfect jewels in shape and size; their beautiful green-blue tiers make them of such a striking appearance that everybody seeing them must fall in love with them on sight, and cannot help it. Plants, 6 to 7 in. pots, 3, 4 and 5 perfect tiers, 15 to 25 in. in height, from 15 to 30 in. across, $1.25, $1.50, $1.75, $2.00 to $2.50 each.

Please bear in mind these mentioned varieties are the cream of Belgium importations. We have thousands of them: can meet all demands.

Kentia Forsteriana, 6-in. pots, 35 to 40 in. high, 5 to 6 leaves, 4 years old, $1.25 to $1.50; 30 to 35 in. high, 4 years old, 6 in. pots, $1.00; 5½-in. pots, 25 to 30 in. high, 3 years old, 75c; 4-in. pots, made up with three plants, 18 to 20 in. high, 25 to 30c. **Belmoreana,** 6 in. pots, 4 years old, 5 to 6 leaves, bushy, 30 to 35 in. high, $1.25; 5½ to 6 in. pots, 3 years old, 5 to 6 leaves, 75c to $1.00 each. Above are the sizes entered in the custom house. **Kentia Forsteriana,** 7-in. pots, made up plants, on elarge in center, three smaller sizes, about 22 to 24 in. high, price $2.00 each.

Nephrolepis Barrowsii, 6 in., large, ready for 7-8 in. 50c; 4-in., large, 25c.

Nephrolepis Scottii, 6-in. pots, large, ready for 7-8 in., 50c; 5½-in., 40c; 5 in., 35c; 4-in., 20c to 25c.

Boston Ferns, 4-in., 20c to 25c: have them by the 1000.

Asparagus Plumosus Nanus, 3-in , 6c: 4-in., 10c.

Chinese Primroses, in 4 in pots, ready to shift into 5-in. pots, will bloom for Christmas, $10 00 per 100.

Cocos Weddelliana, 15c.

Areca Lutescens, made up plants, 4-inch pots, 5c.

Ficus Elastica, Belgian importation, 6-in. pots, 50c each.

Ferns. A fine assortment of Ferns for dishes large, bushy, out of 2½-inch pots, $5.00 per 100 3-inch, 7c each.

All goods must travel at purchaser's risk. Cash with order, please.

OUR LITTLE PETS.

By Aschmann, in Philadelphia, I bought
An Araucaria, a pet for our little girl—
Now we have two pets, the pride of our thought,
The little girl so sweet a head full of curls.
And the Araucaria with their everlasting green—
A more joyful home you never have seen.

GODFREY ASCHMANN, Importer and Wholesale Grower of Pot Plants
1012 Ontario St., PHILADELPHIA, PA.

A Few Good Things You Want.

Cash with Order.

Dracaena Indivisa, 4 and 5-inch, $10.00 and $25.00 per 100.
Asparagus Plumosus, 2-in., $3.00 per 100.
Asparagus Sprengeri, 2-inch, $2.50 per 100.
Geraniums, S. A. Nutt, Castellane, John Doyle, Perkins, Poitevine and Double Gen. Grant, La Favorite Mme Saleroi, 2-in. pots, $2.00; 3-in. pots, $4.00 per 100. Rooted cuttings, $1.00 per 100
Rex Begonia, nice plants, 2 and 2½-inch, $5.00 per 100.
Boston Ferns, 5-inch, 30c each.
Pierson Ferns, 5-inch, 50c each.

GEO. M EMMANS, NEWTON, N. J.

SPECIAL.

A few thousand 3½-in. pot grown **BOSTON FERNS,** at the very low price of $10.00 per 100, $90.00 per 1000 lot, subject to being unsold. Order quick.

GEO. A. KUHL, Pekin, Ill.

Highland Grown Carnation Plants.

	Per 100	1000		Per 100	1000
Lawson	$5.00	$45.00	Norway	$5 00	
Flora Hill	5.00	45.00	Prosperity	5.00	
Boston M'ket	6.00	50.00	G. Angel	4.50	$40.00
Crusader	7.00		Peru	4 50	40.00
M. Glory	5.00	40.00	Glacier	4.50	40 00

Enchantress, Bountiful and White Lawson ready next month.

CRABB & HUNTER, Grand Rapids, Mich.

No "Baiting" Advertising Rates.

WE have received several requests lately to insert trial advertisements free of charge "as other trade papers offer."

We wish to state that

THE AMERICAN FLORIST

has nothing to offer free of charge or at cut rates. We have no privileged customers.

We give advertisers full and overflowing value, and that is all any honest advertiser needs.

Advertisers are paying double for so-called cheap advertising in useless correspondence.

THE AMERICAN FLORIST

readers are buyers who pay their bills.

American Florist Company

Montreal.

TRADE FAIR.

Trade last week was fairly good although not quite up to the usual standard yet, but stores assume a livelier appearance. One can see that something is doing within. The supply of cut flowers is quite adequate to fill the demand except in carnations which are scarce. In outdoor cut flowers asters hold first place. Some very fine American Beauty roses are sent from the west.

NOTES.

At the last monthly meeting of the Gardeners' and Florists' Club here A. C. Wilshire, the first member returning from the convention of the Canadian Horticultural Association, in Guelph, Ont., told of his experiences during the trip and convention. He said that the delegates were well received by the local florists and gardeners of Guelph and the authorities of the Agricultural college, in whose buildings the meetings were held, but that the best treat of the whole trip was the visit to the Dale estate, Brampton, where the delegation spent a day.

E. Hayward, just returned from a trip to the old country, told of all he saw at the Kew Gardens and many another park and private estate. He also visited several horticultural shows, and drawing comparisons he said Canada need not be ashamed of her product.

H. Brown is seriously ill with heart trouble. LUCK.

Providence, R. I.

EARLY FALL TRADE.

In former years the advent of July marked the beginning of dull business which did not pick up until heavy frost in October. But in recent years we notice a change for the better inasmuch as the months of July and August are uniformly good, due mainly to the good margin on design work and a regular call for this class of business during the summer months. In fact the months of September and October might well be classed as the year's dullest term, not even the advent of chrysanthemums evening up the quiet business of the early fall. Our local season has been pretty much along the regular lines of the past, nothing new or unusual happening. Carnations are just starting in after an absence of two months. The ever reliable Semple asters are now in full run, giving ample opportunity to make elegant flat bouquets at a good margin of profit. Roses are abundant and full of promise.

Most all flower stores made a practice of Friday afternoon closing during the past two months, and at least one of them has arranged to carry the plan through September, an excellent idea and well appreciated by the help. Early closing was first tried some six or seven years ago and was dubiously considered, but each succeedng season has shown the wisdom of it, until now practically all florists here recognize its benefits. M. M.

PHILADELPHIA, PA.—Geo. L. Grand will erect a greenhouse 18 x 27 feet at a cost of $400 on Crispin street near Rhawn.

Utica, N. Y.

BUSINESS INCREASING.

Vacation time is coming to an end and business is increasing with the return of the people to the city. Most of the florists have their carnations housed and some are sending to market very good blooms for the first crop. The season being favorable carnation plants are unusually strong and free from disease, with the promise of large quantities of good blooms for the coming season. Among the rose growers the bushes look fine, sending up a great many good, red shoots which will soon begin to pay for their summer care.

NOTES.

The meeting of the Florists' Club was held August 30 at Ilion, being entertained by Theo. Schesh and wife. A camp fire and beefsteak supper was a feature that proved both novel and successful. At midnight the members were still around the fire telling tales and trying to finish up the refreshments.

Frank Baker and family have returned after spending a very pleasant two weeks at Port Leyden. The rest and fresh air have been of great benefit to them.

Henry G. Martin and wife have returned after spending a few weeks in cities around Lake Erie, stopping also at Columbus and Newark, Ohio.

J. C. Spencer and family are at Otsego Lake, Cooperstown, N. Y., for a 10-days' outing. BUD.

PITTSBURG, PA.—Linemen of the Duquesne Light Co. were prevented from placing poles on Baum street adjoining the conservatories of Randolph & McClements August 27. Twelve employes were on hand early in the morning and held a hose to turn water on the linemen if they attempted to place the poles. When the linemen saw the men would prevent them in their work they left for Homewood. Mr. Randolph had ordered his men to prevent the placing of the pole on account of having recently put down a new sidewalk.

Now is the Time
to Subscribe to the
Horticultural Trade Journal
Published weekly. The Largest Brightest, and Best British Trade Publication. Also
THE INTERNATIONAL EDITION
Published quarterly. Annual subscription for weekly and quarterly numbers, One dollar, (International money order). Subscribe to-day and keep in touch with European markets and topics.
THE HORTICULTURAL PRINTING COMPANY, BURNLEY, ENGLAND.

MICE PROOF SEED CASES.
SEND FOR BOOKLET.
HELLER & CO., Montpelier, O.

SPRAGUE, SMITH CO.
JOBBERS AND MANUFACTURERS OF
Window Glass.
GREENHOUSE GLASS
A SPECIALTY.
167-169 Randolph St., CHICAGO.

GLASS
GOOD BRANDS.
QUICK SHIPMENTS.
LARGE STOCK.
Warehouse on railroad switch. Be Sure and Get Our Prices.
SHARP, PARTRIDGE & CO.,
22nd and Lumber Sts., CHICAGO.

It Reaches
The Buyers.

AMERICAN FLORIST CO.:—
I wish to express my appreciation of THE AMERICAN FLORIST as a trade paper. My sales have far exceeded my most sanguine expectations and of our immense stock only a few thousand remain and they are moving rapidly. We find that nearly every state in the Union has its consignments, with Canada also getting into the procession, many orders being repeated.
W. J. OLDS.
UNION CITY, PA., July 30, 1906.

The James H. Rice Co.
IMPORTERS and JOBBERS
GREENHOUSE GLASS
A SPECIALTY.
Window Glass, Paint, Putty, etc.
Office and Warehouse: Corner of Michigan, St. Clair and Illinois Streets, CHICAGO.

The Whilldin Pottery Co.

STANDARD FLOWER POTS

Our output of Flower Pots is larger than any concern in the World
Our Stock is always Large and Complete

Main Office and Factory,

713 WHARTON STREET, PHILADELPHIA

Warehouses: JERSEY CITY, N. J. LONG ISLAND CITY, N. Y.

CLIPPER LAWN MOWER CO. DIXON ILL.

The Mower that will **kill all the Weeds in your Lawn.** If you keep the weeds cut so they do not go to seed and cut your grass without breaking the small feeders of roots, the grass will become thick and the weeds will disappear.

The Clipper will do it. Ask your dealer for them. If they have not got them, below is the price: No. 1—12-inch Mower $5; No. 2—15-inch Mower, $6; No. 3—18-inch Mower, $7; No. 4—21-in. Mower, $8. Send draft, money-order or reg. letter.

THE BEST Bug Killer and Bloom Saver.

For **PROOF** Write to

P. R. PALETHORPE COMPANY,

LOUISVILLE, KY.

GEO. KELLER & SON,
MANUFACTURERS OF
FLOWER POTS.
Before buying write for prices.
361-363 Herndon Street, near Wrightwood Ave.,
CHICAGO, ILL.

A. HERRMANN,

Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florists' Supplies.

—SEND FOR PRICES.—

404-412 East 34th St., NEW, YORK.

THE FUMIGATING KIND TOBACCO
KILLS ALL APHIS IN A NIGHT AT A COST OF 15 CENTS.
LET US TELL YOU HOW.
THE H-A-STOOTHOFF CO. 116 WEST ST. NEW-YORK

THE KELLER POTTERY COMPANY,

Manufacturers of **FLORISTS' RED STANDARD POTS.**

Azalea Pots, Bulb and Fern Pans, Etc.

Write for Price List. 213-15-17-19-21-23 Pearl St., NORRISTOWN, PA.

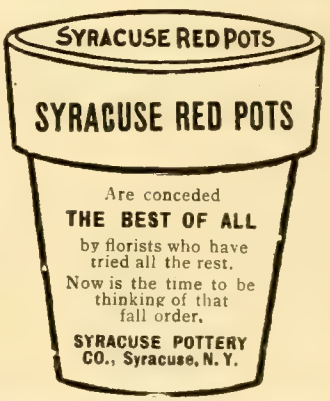
IONIA POTTERY COMPANY.

If you know of no reason why you have never used IONIA POTS, this should be a sufficient reason why you should use them now.

We never lose a patron because our ware is not the best. 35 years of skilled experience is represented in the making. Let us have your order. We promise entire satisfaction.

A postal will bring our catalogue.

IONIA POTTERY COMPANY, Ionia, Mich.



STANDARD FLOWER POTS

No Charge for Crates or Packing.

Inches	per 1000	Inches	per 100
1½	$ 2.77	7	$ 4.00
2	3.33	8	6.00
2½	3.88	9	8.88
3	5.27	10	13.33
3½	6.10	12	22.22
4	7.77	14	38.88
4½	10.00	16	66.66
5	13 60	20	each, 1.25
6	22.20		

Azalea Pots and Bulb Pans same as **Standard Pots.** 2 and 2½-in Rose Pots. $3.50 per 1000. These pots are **carefully made,** very strong and porous. Liberal count is given, thereby protecting our patrons against possible breakage. **Above prices subject to 10 per cent. discount for cash.**

A. F. KOHR, 1521-23-25 N. Leavitt St, Chicago.

Standard Flower Pots!

Packed in small crates, easy to handle.

	Price per crate		Price per crate
1500 2-in., in crate,	$4 88	120 7-in., in crate,	$4 20
1500 2¼ "	5.25	60 8 "	3.00
1500 2½ "	6.00	HAND MADE.	
1000 3 "	5.00	48 9-in., in crate,	$3.60
800 3½ "	5.80	48 10 "	4.80
500 4 "	4.50	24 11 "	3.60
320 5 "	4 51	24 12 "	4.80
144 6 "	3.16	12 14 "	4.80
		6 16 "	4.50

Seed pans, same price as pots. Send for price list Cylinders for Cut Flowers, Hanging Baskets, Lawn vases, etc. Ten per cent off for cash with order. Address

HILFINGER BROS. POTTERY, Fort Edward, N. Y
or AUGUST ROLKER & SONS, New York Agents, 31 Barclay Street, New York City.

Please mention the American Florist when writing.

Red Standard Flower Pots

Price list and samples on application.

PADUCAH POTTERY CO., Inc.
PADUCAH, KENTUCKY.

Kramer's Pot Hangers

For Sale by Wholesale Seedsmen, Florists and Supply Dealers.

Price, $1.00 per dozen by express. Sample dozen by mail, $1.25.

I. N. Kramer & Son, CEDAR RAPIDS, IOWA.

Those Red Pots

"STANDARDS"

FULL SIZE AND WIDE BOTTOMS, BULB PANS AND AZALEA POTS.

DETROIT FLOWER POT M'F'Y.

HARRY BALSLEY, Rep. DETROIT, MICH. 490 Howard St.

L. BAUMANN & CO.,

Importers and Manufacturers of

Florists' Supplies

76-78 Wabash Ave., CHICAGO.

Write for our New Catalogue F. Our prices may interest you.

Index to Advertisers.

Adv rates.....357
Advance Co The....390
Allen J K 367
Amling E C.....363
Andorra Nurseries...372
Aschmann Godfrey..379
Atlanta Floral Co...369
Baller F A.....371
Barrows Henry & Son365
Barteldes Seed Co ..361
Bassett & Washburn.362
Baumann L & Co....381
Beaven E A.....361
Beckert W C..... II
Benthey-Coatsworth Co.....363
Berckmans P J Co...373
Berning H G.. ... 365
Bertermann Bros Co.368
Blanksma Bros.....379
Boddington A T II
Brant & Noe.....374
Braslan Seed Co.....370
Breitmeyer's J Sons 368
Brown Peter.....361
Bruns H N..... II
Budlong J A.... 363
Burpee W A & Co...371
Byer Bros.....361
Caldwell the Woodsman Co.....361
Carlton H R.....361
Carmody J D.....390
Caswell Philip.....359
ChicagoCarnationCo I
Chicago House Wrecking Co.....389
Clark Wm 378
Cleveland Cut Flo Co369
ClipperLawnMower Co.....381
Cochran Mushroom & Spawn Co..... II
Cooke Geo H.....368
Cotsonas Geo & Co..367
Cottage Gardens Co.375
Cowee W J.....389
Crabb & Hunter.....379
Craig Robert Co.....365
Cross Eli.....379
Cunningham Jos H..369
Daniels & Fisher....368
Deamud J B Co.....363
De Buck John.....378
DetroitFloPotMfy...381
Dietsch A Co.....390
Diller Caskey & Co..III
Dillon J L.....369 374
Dillon Mfg Co. 390
Dingee&ConardCo..373
Donohoe W H.....368
Dorner F & Sons Co I
Dreer H A.....360 382
Dreyer R.....379
Dunford J W.....369
Edwards Fold'g Box.389
Elliott Wm H 365
Emmans Geo M.....379
Eyers H G.....368
Fellouris A J 367
Fischer R.....378
Florists'HailAss'n....382
Flower Growers Co. 363
Foley Mfg Co.....390
Ford Bros.....367
For Sale & Rent. 358 359
Frey C H.....379
Froment H E 367
Garland Geo M.....III
Giblin & Co..... IV
Globe Eng Co.....390
Gude A & Bro.....368
Gullett W H & Sons.369
Gundestrup K & Co . II
Gurney Heater Co... IV
Guttman Alex J.....367
Hansen M A 368
Hart Jas.....367
Hartman Hjalmar & Co.....371
Hauser Joe.....377
Hauswirth P J 368
Heller & Co.....380
Henshaw A M.....367
Herbert D & Son....378
Herr Albert M.....374
Herrmann A.....381
Hess E L.....371
Hess & Swoboda....368
Hews A H & Co.....381
Hilfinger Bros.....381
Hill The E G Co.... I
Hippard E.....III
Hitchings & Co. IV
Holm & Olson.....368
Holton& Hunkel Co.365
Hooker H M Co.....382
Hort Advertiser 389
Hort Trade Journal..380
Hunt E H 362
Igoe Bros.....389
Ionia Pottery Co 381
Jacobs S & Sons....390
Jackson&PerkinsCo.375
Jensen & Dekema...363
Johnston Heating Co389
Journal des Roses...390
Kasting W F..... I
Keller Geo & Son...381
Keller Pottery Co...381
Kellogg Geo M. .. 368
Kennicott Bros Co..363
Ky Tob Prod Co....389
Kervan Co The.....367
Kessler P.....367
King Jas.....373
KingConstructionCo III
Kohr A F 381
Koppelman E L & Co382
Kramer F H.....377
Kramer I N & Son..381
Kroeschell Bros Co. 389
Kuehn C A.....365
Kuhl Geo A.....374 379
Lager & Hurrell.....369
Lange A.....368
Langjahr A H.....367
Lecakes N & Co.....367
Leedle Floral Co....373
Levavasseur&Sons..373
Livingston Seed Co. 368 389
LocklandLumb'rCo.III
Lord & BurnhamCo. IV
Matthews, florist....369
McConnell Alex.....369
McCullough's J M Sons Co.....365
McKellar Chas W...363
McKissick W E.....365
Mayberry & Hoover.368
Mich Cut Flower Ex.361
Miller Theo.....369
Mills the Florist.....368
Moninger J C Co....III
Moon The Wm H Co.373
Moore Hentz&Nash.367
Morehead Mfg Co...390
Morse C C & Co..... II
Mosbaek L.....378
Muno John.....379
Murdoch J B & Co ..365
Murray Samuel.....368
Myers & Co.....389
Natl FloBd of Trade.367
N Y Cut Flower Ex .367
Niessen Leo Co 365
Niuffer C M.....373
Olbertz J.....363
Pacific Seed Co.....371
Paducah Pottery 381
Palethorpe P R Co..381
Palmer W J & Son..368
Park Floral Co.....368
Pennock S S.....365
PerennialGardens Co371
Perfection Chem Co.389
Peterson's Nursery.. .....372 373 375
Pierson F R Co..... I
Pierson U Bar Co....III
PittsburgCut FloCo.365
PittsburgFlorist Ex .365
Pollworth C C Co....368
Poehlmann Bros Co 363 375
Quaker City Machine Works.....390
Randall A L Co.....366
Rawson W W & Co.. II
Raynor J I.....367
ReadyRefer'nceAdv.383
Reed & Keller.....389
Regan Print House..389
Reinberg Peter..363 378
Rice Bros.....361
Rice James H Co....380
Robinson H M & Co.361
Roehrs Julius Co.....379
Sander & Son 366
Sharff & Bros.....377
Scheiden & Schoos..375
Schillo Adam.....382
Schultheis Anton....377
Schulz Jacob 369
Scott John.....361
Seligman Jno.....367
SharpPartridge&Co.380
Sheridan W F..... 367
Sinner Bros. 363
Situations & Wants..... .....358 359
Skidelsky S S.....375
Smith Nathan & Son.375
Smith W & T Co.... I
Smits Jacs.....373
Sprague Smith Co...380
Staer J.....371
Standard Pump & Engine Co.....IV
Stearns Lumber Co.. IV
Stenzel Glass Co....382
Stern J & Co.....389
Stokes Seed Store ..371
Stoothoff H A & Co 381
Storrs & Harrison Co372
Styer J J..... II
Sylvester J.....374
Syracuse Pottery Co.381
Taylor F G Seed Co. II
Thompson J D Carnation Co..... I
Thorburn J M & Co. I
Totty Chas H 367
Traendley& Schenck367
VanHoutte PereSons379
Van Mol Julius.....371
Vaughan & Sperry...363
Vaughan's Seed Store .....I II 369 371 377
Vick's Sons Jas..... II
Vincent R Jr & Son..378
Virgin U J.....368
Weathered & Co 390
Weber F C.....368
Weber H & Sons....379
Weeber & Don..... II
Weiland & Risch....363
Welch Bros.....365
Whilldin Pot Co.....381
Wiboltt R II
Wietor Bros.....363
Wild C & M.....373
Wild Gilbert H.....373
Wilson Andrew 389
Wilson Robt G.....368
Winandy Bros III
WintersonE F Co....374
WittboldGeo Co.363 378
Wolf A Q & Bro.....382
Wolf John.....378
Wood Bros.....375
Wrede H..... II
Young A L & Co....367
Young Thos.....367
Zech & Mann.....363

H. M. HOOKER CO.

Window Glass, Paints and Putty.
Greenhouse Glass a Specialty.

59 W. Randolph St., CHICAGO.

Please mention the American Florist when writing.

STENZEL GLASS CO.,

GREENHOUSE GLASS.

French and American "WHITE ROSE" Brand.

2 Hudson St., NEW YORK.

Please mention the American Florist when writing.

—THE—

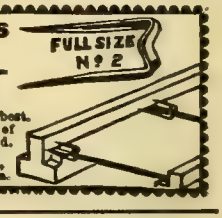
Florists' Hail Association

Insures over 23,000,000 square feet of glass. for particulars address

JOHN G. ESLER, Sec'y, SADDLE RIVER, N. J.

Please mention the American Florist when writing.

Holds Glass Firmly
See the Point
PEERLESS
Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
HENRY A. DREER, 714 Chestnut St., Phila., Pa.



Tobacco Dust

FOR FUMIGATING.

It would pay large users of dust to communicate with us and get samples and prices.

Edwin L. Koppelman & Co., 81 PINE STREET, NEW YORK.

Please mention the American Florist when writing.

LUMBER

for Greenhouse Benches, Ship Lap, Drop Siding, Sheathing, Flooring, White Cedar Posts, Etc.

We are in special position to furnish **"PECKY CYPRESS"** everything in **PINE** and **HEMLOCK BUILDING LUMBER.** **WRITE FOR PRICES.**

Adam Schillo Lumber Co. Cor. Weed and Hawthorn St., **CHICAGO.** Tel. North 1626 and 1627.

Please mention the American Florist when writing.

The New **WOLF PIPE**
Ventilating MACHINES

Uses all roller bearing hangers, circular cut gear steel arms, furnished for all kinds of houses

A. Q. WOLF & BRO., Dayton, Ohio.

AMERICAN FLORIST ADVERTISING RATES.

Our advertising rates are 4s 2d per inch, single column width, £6 3s 3d per page of thirty inches, with discounts on consecutive insertions as follows:

6 insertions	5 per cent.	26 insertions	20 per cent.
13 insertions	10 per cent.	52 insertions	30 per cent.

Space on front pages and back cover page is sold only on yearly contract at 4s 2d per inch net. Remit by foreign postoffice money order.

ANZEIGERATEN DES AMERICAN FLORIST.

Unsere Anzeigeraten sind: für den Zoll der einzelnen Spalte, $1.00 (M. 4.17); für die Seite, 30 Zoll, $30 (M. 125). Bei mehrmaligen Einrückungen werden Diskontoraten gewährt, wie folgt:

6 Einrückungen	5%;	26 Einrückungen	20%;
13 Einrückungen	10%;	52 Einrückungen	30%.

Raum auf den vorderen Seiten und auf der Rückseite des Umschlages wird nur in Jahreskontrakten und zu $1.00 (M. 4.17) den Zoll netto abgegeben. Zahlungen sind mittels Postanweisung erbeten.

TAUX D'ANNONCES DANS L'AMERICAN FLORIST.

Nos taux d'annonces sont $1.00 (Frs. 5-15) par pouce, largeur simple colonne, $30.00 (Frs. 154-50) par page de trente pouces avec escomptes sur les insertions consécutives, comme suit:

6 insertions	5 pour cent.	26 insertions	20 pour cent.
13 insertions	10 pour cent.	52 insertions	30 pour cent.

La place occupée par des annonces sur la première et la dernière couverture ne s'accorde que par contrat annuel au taux de $1.00 (Frs. 5-15), net, par pouce. Faites remise par Mandat-poste International.

Ready Reference Advertising.

ADVERTISEMENTS IN THIS DEPARTMENT 10 CENTS PER LINE, CASH WITH ORDER. COPY MUST REACH US MONDAY OF THE WEEK IN WHICH IT IS TO APPEAR

ALTERNANTHERAS.

Alternantheras, red and jellow, $2 per 100; $15 per 1,000. R. Vincent, Jr., & Son, White Marsh, Md.

AMPELOPSIS.

Ampelopsis. Jackson & Perkins Co., Newark, N. Y.

ANTHERICUM.

Anthericums. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

ARAUCARIAS.

Araucaria Excelsa, 6-in., 16 ins., 4 whls., $1 each; $12 per doz. 6-in., 18 ins., 4 whls., $1.25 each; $15 per doz. 7-in., 22 ins., 5 whls., $1.50 each; $18 per doz. Glauca, 5-in., 12 ins., 3 whls., $1 each; $12 per doz. 6-in., 13 to 15 ins., 3 to 4 whls., $1.25 each; $15 per doz. 7-in., 18 to 20 ins., 4 to 5 whls., $1.50 each; $18 per doz. 7-in., 22 to 24 ins., 4 to 5 whls., $2 each; $24 per doz. 9-in., 30 ins., 4 to 5 whls., $3 each. 9-in., 34 ins., 5 whls., $4 each. Robusta Com., 5-in., 10 ins., 2 whls., $1 each; $12 per doz. 6-in., 12 ins., 2 to 3 whls., $1.50 each; $18 per doz. 7-in., 28 ins., 5 whls., $3 each. 8-in., 32 ins., 5 to 6 whls., $4 each. Vaughan's Seed Store, Chicago and New York.

Araucarias, Excelsa, 12 to 14 ins., 5½-in. pots, 3 to 4 trs., 2-yr., 50c; 14 to 16 ins., 5½-in. pots, 3 to 4 trs., 2-yr. 60c; 16 to 18 ins., 5½ to 6-in. pots, 4 to 5 trs., 3-year, 75c; 18 to 20 ins., 6-in. pots, 5 to 6 trs., 4-yr., $1; 20 to 24 ins., 6-in. pots, 5 to 6 trs., 4-yr., $1.25; 36 to 50 ins., Specimen, 7-in. pots, 5 to 6 trs., 6-yr., $2.50 to $3. A. Compacta Robusta, 12 to 20 ins. high, 3 to 4 trs., 20 to 30 ins., 4 to 5-yr., 6 to 7-in., $1.25, $1.50, $1.75, $2 up to $3 each. A. Excelsa Glauca, 6 to 7-in. pots, 3, 4 and 5 trs., 15 to 25 ins., $1.25, $1.50, $1.75, $2, $2.50 each. G. Aschmann, 1012 Ontario St., Philadelphia.

Araucaria excelsa, 5-in., 8 to 10 ins., 3 trs., 65c each; 6-in., 12 to 14 ins., 3 to 4 trs., 75c; 6-in., 14 to 16 ins., 4 trs., $1; 6-in., 16 to 18 ins., 4 trs., $1.25; 7-in., 20 to 22 ins., 5 trs., $1.50. Excelsa glauca, 5-in., 8 ins., 2 trs., 75c; 6-in., 13 to 15 ins., 3 trs., $1.25; 7-in., 22 to 24 ins., 4 to 5 trs., $2. Robusta Compacta, 6-in., 10 ins., 2 to 3 trs., $1.25; 6-in., 12 ins., 3 trs., $1.50. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Araucaria Excelsa, 4-in., 2 to 3 trs., 35c each; $4 per doz.; 5-in., 3 trs., 75c each; $9 per doz.; 6-in., 3 to 4 trs., $1 each; $12 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Araucarias. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

Araucaria Excelsa. R. Dreyer, Woodside, L. I., N. Y.

Araucarias. L. Van Houtte Pere, Ghent, Belgium.

ASPARAGUS.

Asparagus plumosus, 2-in., $3 per 100; 3-in., $6. Sprengeri, 2-in., $3 per 100; 3-in., $6; 4-in., $1.25 per doz.; 5-in., $2. Scandens Deñ, 3-in., $1.50 per doz.; 4-in., $2 per doz. George Wittbold Co., 1657 Buckingham Pl., Chicago.

Asparagus plumosus, 2-in., $3 per 100; $25 per 1,000. 2½-in., $4 per 100; $40 per 1,000. 3-in., $7 per 100; $65 per 1,000. Strong seedlings, $1.50 per 100; $12 per 1,000. Vaughan's Seed Store, Chicago and New York.

15,000 Asparagus plumosus nanus. Fine young plants from 2¼-in. pots, worth $3, to close out, $1.50 per 100; $15 per 1,000. The W. T. Buckley Co., Springfield, Ill.

Asparagus plumosus, 2¼-in., $2 per 100; $18 per 1,000; seedlings, $1 per 100. Sprengeri, 2¼-in., $2 per 100. Jos. H. Cunningham, Delaware, O.

Asparagus plumosus and Sprengeri, 2-in., $3 per 100; $25 per 1,000; from bench, $2.50 per 100; $20 per 1,000. Wm. Clark, Colorado Springs, Col.

Asparagus plumosus, 3-in., 6c; 4-in., 10c. G. Aschmann, 1012 Ontario St., Philadelphia.

Asparagus plumosus. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

Asparagus plumosus and Sprengeri, 4-in., $10; 3-in., $5; 2¼-in., $2.50 per 100. Seedlings, $10 per 1,000. Ludvig Mosbaek, Onarga, Ill.

Asparagus plumosus plants just as they come from the flats, $1 per 100; $8 per 1,000 plants. B. H. Haverland, Pleasant run, Ohio.

Asparagus plumosus, 2-in., $3; 6-in., $35. Sprengeri, 4-in., $7. W. H. Gullett & Sons, Lincoln, Ill.

Asparagus, strong 2½-in. plumosus plants at $2 per 100. J. W. Munk & Son, Mt. Gilead, Ohio.

Asparagus plumosus, 3-in., $5 per 100. Sprengeri, 3½-in., $6 per 100. Scharff Bros., Van Wert, O.

Asparagus plumosus, 2¼-in., $3 per 100. John Scott, Rutland Rd. and 45th St., Brooklyn, N. Y.

Asparagus Sprengeri, 3-in., $5 per 100. Plumosus, 3-in., $6 per 100; 2-in., $2.50 per 100; $20 per $1,000. Wm. F. Kasting, 383 Ellicott St., Buffalo, N. Y.

Asparagus, 2½-in., Sprengeri, $3 per doz. 8-in., 5 to 6 lvs., 45 ins., $3 each; 100; $25 per 1,000; field clumps, $6 per 100. J. W. Dunford, Clayton, Mo.

Asparagus Sprengeri, 3-in., $4 per 100; $35 per 1,000. Plumosus, 3-in., $5 per 100; $45 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Asparagus Sprengeri, 2-in., $2.50 per 100; plumosus, 2-in., $3 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus Sprengeri, 2½-in., $4 per 100. Scheiden & Schoos, Evanston, Ill.

Asparagus Sprengeri, 2½-in., $2 per 100. Byer Bros., Chambersburg, Pa.

ASPIDISTRA.

Aspidistras, all sizes. Write for prices. Frank Huntsman, Cincinnati, Ohio.

Aspidistras. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

AZALEAS.

Azaleas. L. Van Houtte Pere, Ghent, Belgium.

Azaleas. Jacs Smits, Ltd., Naarden, Holland.

BAY TREES.

Bay trees. A. Schultheis, 19th and 4th Ave., College Point, L. I., N. Y.

Bay trees, fine stock. R. Dreyer, Woodside, L. I., N. Y.

Bay trees. L. Van Houtte Pere, Ghent, Belgium.

BEGONIAS.

Begonia Rex. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

Begonia Rex, 2 and 2½-in., $5 per 100. Geo. M. Emmans, Newton, N. J.

Rex begonias, 3-in., 6c. Byer Bros., Chambersburg, Pa.

Begonias. L Van Houtte Pere, Ghent, Belgium.

BOUVARDIAS.

Bouvardias, pink and white, $8 per 100. Geo. Witthold Co., 1657 Buckingham Pl., Chicago.

BOXWOOD.

Boxwood pyramids. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

BULBS, ROOTS, TUBERS.

Bulbs, hyacinths, white, $2.50 per 100; $23 per 1,000; Dutch, named, $2 per 100; $17.50 per 1,000; mixed, $2.50 per 100; $22.50 per 1,000; named, 1st size, $6.25 per 100; $60 per 1,000; 2nd size, $4.25 per 100; $40 per 1,000. Tulips single, separate colors, $1 per 100; $8.50 per 1,000; extra mix., 90c per 100; $7.50 per 1,000; fine mixed, 75c per 100; $6 per 1,000; double, separate colors, $1.15 per 100; $10 per 1,000; extra mix., $1 per 100; $8.50 per 1,000; mixed, 85c per 100; $7 per 1,000. Narcissus, Von Sion, double nosed, $2.25 per 100; $20 per 1,000; 1st size, $1.60 per 100; $14.50 per 1,000; 2nd size, $1.25 per 100; $10 per 1,000. Paper White, 90c per 100; $8 per 1,000, grandi., $1.25 per 100; $10 per 1,000. Callas, 1½ to 2 diam., $6 per 100; $55 per 1,000; 2 to 3 diam., $10 per 100; $95 per 1,000. Freesias, ¾-in. diam., 85c per 100; $7.50 per 1,000; mammoth, $1.25 per 100; $10 per 1,000. Perennial Gardens Co., Toledo, O.

Bulbs, freesias, Fisher's Purity, 2d grade, $2.50 per 100; $20 per 1,000. Bermuda grown, $9 per 1,000; $1.25 per 100; French grown, $10 per 1,000; $1.40 per 100; jumbo size, $12 per 1,000; $1.75 per 100. W. W. Rawson & Co., 5 Union St., Boston, Mass.

Bulbs, home-grown freesias, large size, $1 per 100; $7 per 1,000; blooming size, 75c per 100; $4.50 per 1,000; small blooming size, 50c per 100; $3.50 per 1,000. Stokes Seed Store, 219 Market St., Philadelphia.

Bulbs, La Reine tulips, per 100, $1.25; per 1,000, $9. White callas, 1¼ to 1½ in., $4.75 per 100; 1¾ to 2 ins., $6.75; 2 to 2½ ins., $10; monsters, $12. Stokes Seed Store, 219 Market St., Philadelphia.

Bulbs, Callas, 1½ to 2 in., $7 per 100; $65 per 1,000, 2 to 2½ in., $11 per 100. Roman Hyacinths, Paper Whites and freesias. Vaughan's Seed Store, Chicago and New York.

Bulbs. L. Harrisii, R. hyancinths, P. W. narcissus, freesias. Weeber & Don, 114 Chambers St., New York.

Bulbs, hyacinths, tulips, narcissus, crosus, lilies, etc. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs, Narcissus Empress and Henry Irving, Candidum lilies. E. F. Winterson Co., 45 Wabash Ave., Chicago.

Bulbs of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Cannas, 5 vars., field-grown clump, $15 per 100. Jos. H. Cunningham, Delaware, O.

Bulbs of all kinds. Currie Bros. Co., 308 Broadway, Milwaukee, Wis.

Cannas of all vars. Dingee & Conard Co., West Grove, Pa.

Cannas in var. Ludvig Mosbaek, Onargo, Ill.

Cannas. John Wolf, Ott and Anderson St., Savannah, Ga.

Iris, German, mixed vars., $2 per 100. James Vick's Sons, Rochester, N. Y.

Lily of the valley, finest cold storage pips. H. N. Bruns, 1409-11 W. Madison St., Chicago.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

CACTI.

Cacti. All the Mexican varieties are sold by J. Balme & Co., Mexico City, P. O. Box 628. Illustrated and descriptive culture catalogue sent on receipt of 10c in postage stamps. Price list free.

CAMELLIAS.

Camellias, Julius Roehrs Co., Rutherford, N. J.

If you do not find what you need in our Ready Reference Department, write us about it.

CARNATIONS.

CARNATIONS.

	100	1,000		100	1,000
Pink. Fiancee	$6		White. B. Market	$5	$45
Lawson	6	$50	F. Burki	7	60
N. Fisher	7	60	F. Hill	5	45
G. Angel	4	35	W. Cloud	5	45
M. Glory	4	35	Red and Crimson. White. Chicago	$5	$45
L. Peary	8	75	H'warden	6	50

Wietor Bros., 51 Wabash Ave., Chicago.

Carnations, field-grown, Lawson, Estelle, $5 per 100; $40 per 1,000. Nelson, F. Hill, G. Angel, $3 per $100; $25 per 1,000. N. Fisher, Enchantress, Mrs. Patten, $6 per 100; $50 per 1,000. M. Glory, $4 per 100; $30 per 1,000. B. Market, $4 per 100; $35 per 1,000. Queen Louise, Mrs. Ine, Higinbotham, Armazindy, W. Cloud, $3 per 100; $25 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

Carnations, field-grown, Cardinal, W. Lawson, small, $4 per 100. W. Lawson, very small, $3 per 100. Harlowarden, med., $4 per 100; very small, $2.50 per 100. Enchantress, med., $6 per 100; small, $5 per 100; very small, $4 per 100. Prosperity, good, $3.50 per 100. Fair Maid, med., $5 per 100. Skyrocket, good, $6 per 100. Glendale, good, $10 per 100. Chicago Carnation Co., Joliet, Ill.

FIELD-GROWN CARNATIONS.

White.	per 100	Pink.	per 100
Lady Bountiful	$7	Prosperity	$6
Boston Market	5	Crimson. Harlowarden	5
Pink. Enchantress	6	Scarlet. Mrs. Lawson	5
Fiancee	6	Red Lawson	6

H. W. BUCKBEE,

Forest City Greenhouses, Rockford, Ill.

Carnations, fine large field-grown plants:

Per 100		Per 100	
Enchantress.	$6.00	Boston M'ket.	$5.00
The Belle	6.00	Red Sport of Maceo	4.00
Fair Maid	6.00	Mrs. Patten	5.00
Sunbird	6.00	Joost	5.00

A. C. Canfield, Springfield, Ill.

Carnations, Lawson. F. Hill, $5 per 100; $45 per 1,000. B. Market, $6 per 100; $50 per 1,000. Crusader, $7 per 100. M. Glory, Norway, Prosperity, $5 per 100; $40 per 1,000. G. Angel, Peru. Glacier, $4.50 per 100; $40 per 1,000. Crabb & Hunter, Grand Rapids, Mich.

Carnations, Lawson, Enchantress, $5 per 100; $40 per 1,000. B. Market, $4 per 100; $30 per 1,000. Harlowarden, Crusader, $4 per 100; $35 per 1,000. G. Angel, $3 per 100; $25 per 1,000. Scheiden & Schoos, Asbury and Warren Aves., Evanston, Ill.

Carnations, Mrs. Lawson, Avondale, Glacier, E. Crocker, Eclipse, Phyllis, etc., $6 per 100; $55 per 1,000. Enchantress, $7 per 100; $60 per 1,000. Rose pink Enchantress, $15 per 100. Nathan Smith & Son, Adrian, Mich.

Carnations, field-grown, White Perfection, $12 per 100. W. Lawson, Cardinal, The Belle, Lady Bountiful, Fiancee, $7 per 100. The Queen, F. Burki, H. Fenn, $6 per 100. F. Dorner & Sons Co., La Fayette, Ind.

Carnations, field-grown, Wolcott, Prosperity, Fiancee, $4 per 100; $35 per 1,000. N. Fisher, $6 per 100; $55 per 1,000. Queen, Lawson, $5.50 per 100; $50 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Carnations, field-grown, 500 Enchantress, $6 per 100. 500 Lawson, 1,000 W. Cloud, 800 Sports, $4 per 100. 500 Estelle, 100 Harlowarden, $5 per 100. Geo. Wittbold Co., 1657 Buckingham Place, Chicago.

Carnation plants, field grown, Lawson, Joost, Prosperity, Queen Louise, Boston Market, Flamingo, Harry Fenn, Lord, Enchantress, Queen, $5 per 100; $45 per 1,000. Holton & Kunkel Co., Milwaukee, Wis.

Carnations, Flamingo, Prosperity, Wolcott, Harlowarden, $6 per 100; $50 per 1,000. Norway, $4 per 100; $30 per 1,000. J. W. Dunford, Clayton, Mo.

Carnations, field-grown. E. T. Grave, Richmond, Ind.

Carnations, Enchantress, Flamingo, $5 per 100; $45 per 1,000. Prosperity, Crane, $4.50 per 100; $40 per 1,000. M. Glory, Glacier, $4 per 100; $35 per 1,000. Blanksma Bros., Grand Rapids, Mich.

Carnations, Q. Louise, Prosperity, Harlowarden, America, Wolcott, Her Majesty, Estelle, $5 per 100. Lady Bountiful, $7 per 100. Joost, Kohinoor, $4 per 100. C. H. Frey, Lincoln, Neb.

Carnations, 2nd size, Enchantress, Crusader, B. Market, Nelson, P. Lawson, W. Cloud, G. Angel, $20 per 1,000. Brant & Noe Floral Co., W. Peterson and N. 48th Ave., Chicago.

Carnations, Lawson, Wolcott, $6 per 100; $55 per 1,000. B. Market, W. Cloud, Norway, F. Hill, Joost, Lord, $5 per 100; $45 per 1,000. W. H. Gullett & Sons, Lincoln, Ill.

Carnations, extra strong, healthy plants, the following varieties at $3 per 100: 600 Queen Louise, 100 Wolcott, 100 Lawson. J. W. Munk & Son, Mt. Gilead, Ohio.

Carnations, field-grown, Patten, Fiancee, Cardinal, Sunbird, Fair Maid, $5 per 100. Belle, $6 per 100. Prospector, $4 per 100. S. S. Skidelsky, 824 N. 24th St., Philadelphia.

Carnations, field-grown, No. 1 stocky plants, Lawson, Mrs. Nelson, Harlowarden, Joost, Norway, $5 per 100. William L. Rock Flower Co., Kansas City, Mo.

Carnations, 2,000 Lawson, 300 Enchantress, 500 B. Market, 200 L. Bountiful, 300 Crane. Good plants, at $3 per 100. Cash. Kring Bros., Fairbury, Ill.

Carnations, field-grown. Queen Louise, Eldorado, Crisis, Wm. Scott, Crocker, Portia, $5 per 100; $45 per 1,000. J. L. Dillon, Bloomsburg, Pa.

Carnations, Abundance, field-grown, 1st size, $12 per 100; $100 per 1,000; 2nd size, $10 per 100; $75 per 1,000. R. Fischer, Great Neck, L. I., N. Y.

Carnations, Victory and Robert Craig, medium, field plants, $1.50 per doz.; $12 per 100. Vaughan's Seed Store, Chicago and New York.

Carnations, field-grown, Crane, Prosperity, Joost, Queen Louise, Boston Market, $3 per 100. Fine plants. Thos. Salveson, Petersburg, Ill.

Carnation plants. About 750 Wolcott, short stocky plants that will please, $5 per 100. Henry F. Piggott, 2311 Pearl St., Cleveland, O.

Carnations, Enchantress, Fiancee, $5 per 100; $45 per 1,000. Lawson, $4 per 100; $35 per 1,000. John Muno, Rogers Park, Chicago, Ill.

Carnation Victory, field-grown, 1st size, $15 per 100; 2nd size, $12; 3rd size, $10. Guttman & Weber, 43 W. 28th St., New York.

Carnations, Enchantress, $5 per 100; $45 per 1,000. Mrs. T. Lawson, $4.50 per 100; $35 per 1,000. Eli Cross, Grand Rapids, Mich.

Carnations, Enchantress, Lawson, Q. Louise, $5 per 100. Pittsburg Florists' Exchange, 228 Diamond St., Pittsburg, Pa.

Carnations, Enchantress, $6; Prosperity, G. Lord, Q. Louise, Estelle, $5. Central Greenhouses, Sandusky, O.

Carnations, Lady Bountiful and Phyllis. E. F. Winterson Co., 45 Wabash Ave., Chicago.

Carnation Mabelle, new, $12 per 100; $100 per 1,000. H. Weber & Sons Co., Oakland, Md.

Carnations, field - grown, standard vars. Leo Niessen Co., 1217 Arch St., Philadelphia.

Carnations, Queen Louise, $4 per 100. Jos. H. Cunningham, Delaware, O.

Carnation Robert Craig. J. D. Thompson Carnation Co., Joliet, Ill.

Carnations, field-grown, Mrs. Joost, $5 per 100. Geo. A. Kuhl, Pekin, Ill.

Carnations, field - grown. H. Weber & Sons Co., Oakland, Md.

Carnation, Bertha Rath. R. Dreyer, Woodside, L. I., N. Y.

Carnations, for fall delivery. Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

Chrysanthemums, G. of Pacific, Polly Rose, Soleil d'October, Robinson, Ivory, Appleton, Pink Ivory, $3 per 100. J. Jones, Mrs. Robert McArthur, Mrs. Coombes, G. Wedding, Yellow Eaton, Monrovia, $4 per 100. Lady Roberts, A. J. Balfour, Wm. H. Chadwick, $6 per 100. Glenview, $25 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Chrysanthemums. Time yet to secure a crop of Xmas bloom; also a crop of dollars by planting the queen of late 'mums, Jeanne Nonin. Only a few thousand left of our immense stock, 4-in., 10c; 2½-in., 5c; R. C., 3c, and going fast. W. J. Olds, Union City, Pa.

Chrysanthemums, 5,000 best sorts, 2½-in. pot plants. Benj. Connell, Wes Grove, Pa.

Chrysanthemum novelties. Chas. H. Totty, Madison, N. J.

Chrysanthemums. Wood Bros., Fishkill, N. Y.

CIBOTIUMS.

Cibotium Schiedei. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

COBOEA.

Coboea Scandens, 4-in., $8 per 100. Godfrey Aschmann, 1012 Ontario St., Philadelphia, Pa.

CROTONS.

Crotons. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

Crotons. Julius Roehrs Co., Rutherford, N. J.

CYCLAMENS.

Cyclamens, giganteum splendens, five colors, Rokoko, Low's Pioneer, Butterfly, fringed, lilac, salmon, 3-in., $6 per 100; 4-in., $10 per 100. J. Sylvester, Oconto, Wis.

Cyclamen, 3-in., $7.50; 4-in., $15. Geo. A. Kuhl, Pekin, Ill.

DAHLIAS.

Dahlias, improved Countess of Lonsdale, cactus type, 6 for $1; $1.75 per doz., $12 per 100. Arthur T. Boddington, 342 W. 14th St., New York.

Dahlia roots. R. Vincent, Jr. & Son, White Marsh, Md.

DAISIES.

Daisies. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

DEUTZIAS.

Deutzias, in variety. W. & T. Smith Co., Geneva, N. Y.

DRACAENAS.

Dracæna fragrans, 5-in., 50c each; $5 per doz.; D. indivisa, 2-in., $2.50 per 100; 6-in., 20 to 26 ins., 50c each; $5 per doz.; 7-in., 30 to 34 ins., 75c each; $9 per doz. D. Mass., 8-in., $2 each; 9-in., $3 each. D. Ter., 4-in., 25c each; $3 per dozen; 5-in., 35c each; $4.20 per dozen. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Dracæna indivisa, field-grown, 5-in., $15 per 100; 6-in., $25 per 100. Storrs & Harrison Co., Painesville, O.

Dracæna Terminalis and Fragrans. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

Dracæna indivisa, 4 and 5 in., $10 and $25 per 100. Geo. M. Emmans, Newton, N. J.

Dracæna Ind., 3-in., $5; 4-in., $10. Ludvig Mosbaek, Onarga, Ill.

Dracænas. Julius Roehrs Co., Rutherford, N. J.

FERNS.

Ferns, Adiantum Capillus, 5-in., $2 per doz. Boston, 4-in., $1.50 per doz.; 5-in., $3; 6-in., $4.20; 6-in., strong, $6; 7-in., $9. Large specimens, $1.50, $2, $3 each. Assorted ferns for dishes, $3 per 100; $25 per 1,000. Scottii, 10-in., $2 each. Fern Balls, 7 to 9 dormant or in leaf, $4.20 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Ferns, Farleyense. Julius Roehrs Co., Rutherford, N. J.

If you do not find what you need in our Ready Reference Department, write us about it.

Ferns, prepaid, Boston, 4-in., 18c; 5-in., 30c; 6-in., 45c; 8-in., $1.25; 10-in., $1.75; Pierson fern, 4-in., 20c; 5-in., 35c; 6-in., 50c; 8-in., $1.50; 10-in., $2 each. Anna Foster, same prices as Pierson fern. N. Wittboldi and N. Washingtoniensis, 2½-in., 6c; 3-in., 12c; 4-in., 25c; 6-in., 50c; 8-in., $2 each. N. Barrowsii, 2½-in., 8c; 3-in., 25c; 4-in., 40c; 6-in., 75c; 8-in., $2.50; 10-in., $4 each. N. Whitmani, 2½-in., 25c; 4-in., 60c; 6-in., $1.25 each. N. Elegantissima, 2½-in., 8c each. B. N. Wichers & Co., Gretna, La.

Ferns, Boston, 2½-in., 60c per doz.; $5 per 100. 3-in., $1.50 per doz.; $10 per 100. 4-in., $2.50 per doz.; $20 per 100. 5-in., 50c each; $5 per doz.; $40 per 100. 6-in. pans, 75c each; $8 per doz.; $60 per 100. 7-in., $1 each; $10 per doz.; $75 per 100. 8-in., $1.50 each, $15 per doz. 9-in., $2 to $2.50 each. 10-in., $3 to $3.50 each. 12-in., $4 to $5 each. Ferns for dishes, asst., 2¼-in., $3 per 100; $25 per 1,000. Vaughan's Seed Store, Chicago and New York.

Ferns, Anna Foster, Boston, Piersoni and Sword, 6-in., $40 per 100; $6 per doz., 4-in., $15; 3-in., $8. Elegantissima, 4-in., $50; 3-in., $20; 2½-in., $12 per 100. Boston and Piersoni runners, $30 per 1,000. Ludvig Mosbaek, Onarga, Ill.

Ferns, Boston and Piersoni, 4-in., 10c; 5-in., 12½c; Boston, 6 and 7-in., 15c; 3-in., 5c; Tarrytown, 3-in., 10c; 4-in., 15c; 5-in., 25c; runners, $20 per 1,000; Scottii, 3-in., 8c; 4-in., 12½c; 5-in., 15c. Byer Bros., Chambersburg, Pa.

Ferns, N. Barrowsii, 6-in., 50c; 4-in., 25c. Scottii, 6-in., 50c; 5½-in., 40c; 5-in., 35c; 4-in., 20c to 25c. Boston, 4-in., 20c to 25c. Ferns for dishes, 2½-in., $5 per 100; 3-in., 7c. G. Aschmann, 1012 Ontario St., Philadelphia.

Ferns, Scottii, small plants from benches, $5 per 100; $50 per 1,000. Plants for 6-in. pots, $25 per 100; plants for 7 and 8-in. pots, $50 per 100. John Scott, Rutland Rd. and 45th St., Brooklyn, N. Y.

Ferns, N. Piersoni, Elegantissima, 2¼-in. pots, $12 per 100; specimen plants, 6-in., $1 each; 8-in., $2; 10-in., $3; 12-in., $5; 14-in., $7.50; 16-in., $10. F. R. Pierson Co., Tarrytown-on-Hudson, N.Y.

Ferns, Bird's Nest, Scottii, Elegantissima, Piersoni, Boston, Johnsoni, Fern balls. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

Ferns, N. Whitmani, 2¼-in., $25 per 100. Boston, 2¼-in., $3 per 100. H. H. Barrows & Sons, Whitman, Mass.

Ferns, Boston, 4-in., 10c; 6-in., 30c; 8-in., 60c. Cash with order. Michler Bros. Co., Lexington, Ky.

Ferns, Boston, from bench, for 4 and 5-in., $10 and $15 per 100. J. W. Dunford, Clayton, Mo.

Ferns, Boston, 5-in., 30c each. Piersoni, 6-in., 50c each. Geo. M. Emmans, Newton, N. J.

Ferns, from $2 to $24 per doz. in 2 to 6-in. pots. C. H. Totty, Madison, N. J.

Ferns, Boston, 3½-in., $10 per 100; $90 per 1,000. Geo. A. Kuhl, Pekin, Ill.

Ferns, Bostons, splendid stock at 25c. Holton & Hunkel Co., Milwaukee, Wis.

Ferns, Boston, 4 and 5-in. John Wolf, Ott and Anderson St., Savannah, Ga.

Fernery ferns, 2½-in., at $3 per 100. Holton & Hunkel Co., Milwaukee, Wis.

Ferns, Boston, 5-in., $25. W. H. Gullett & Sons, Lincoln, Ill.

Ferns, all leading varieties. R. Dreyer, Woodside, L. I., N. Y.

FICUS.

Ficus elastica, 5-in., 12 to 14 ins., $5 per doz.; $40 per 100. Vaughan's Seed Store, Chicago and New York.

Ficus elastica, 6-in., 50c each. G. Aschmann, 1012 Ontario St., Philadelphia.

Ficus. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

Ficus, 5-in., 18 to 24 ins., 35c. Geo. A. Kuhl, Pekin, Ill.

GARDENIAS.

Gardenia Veitchii. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

GERANIUMS.

Geraniums, from 2-in. pots. Alliance, Lemoine 1905, 25c each; $2 per doz. Fleuve Blanc, $1.50 per doz.; $10 per 100. Cactus, 4 vars., $2 per doz.; $15 per 100. Double Dryden, $1 per doz.; $5 per 100. Nutt, Le Pilote, Poitevine, Mme. Barney, Centaure, Kendall, Mme. Jaulin, Viaud, Mme. Charotte, 40c per doz.; $2 per 100; $18 per 1,000. Ville de Poitiers, M. de Castellane, Berthe de Presilly, M. Jolly de Bammeville, T. Meehan, 50c per doz.; $3 per 100; $25 per 1,000. R. Vincent, Jr., & Son, White Marsh, Md.

Geraniums, rooted cuttings, Nutt, Perkins, Buchner, Doyle, $1.25 per 100; $12.50 per 1,000. Viaud, Jaulin, Poitevine, L. Francis, Ricard, Castellane, Trego, $1.50 per 100; $15 per 1,000. Peter Henderson, $2 per 100; $20 per 1,000. Fleuve Blanc, $5 per 100; $50 per 1,000. Field plants, Nutt, Castellane, Ricard, ready for 3-in., $2 per 100. A. M. Herr, Lancaster, Pa.

Geraniums, S. A. Nutt, Castellane, John Doyle, Perkins, Double Gen. Grant, La Favorite, Poiteville, Mme. Salleroi, 2-in. pots, $2 per 100; 3-in. pots, $4 per 100. R. C., $1 per 100. Geo. M. Emmans, Newton, N. J.

Geraniums, Mrs. Hill, Poitevine, Trego, Buchner, strong 2½-in., $1.50 per 100. The W. T. Buckley Co., Springfield, Ill.

Geraniums, stock plants, standard vars., $6 per 100; $50 per 1,000. Ludvig Mosbaek, Onarga, Ill.

GLOXINIAS.

Gloxinias. L. Van Houtte Pere, Ghent, Belgium.

GREENS.

Greens, dagger and fancy ferns, $1 per 1,000. Bronze and green galax, $1 per 1,000; 10,000 lots, $7.50. Bouquet green, per 100 yds., $7. Laurel festooning, 5c and 6c per yd. Laurel wreaths, $3 per doz.; branch laurel, per bunch, 50c. Boxwood, per lb., 20c. Leucothoe sprays, per 100, $1. Green and Spaghnum moss, $1 per barrel. Lyrata (new). H. M. Robinson & Co., 8 Province St., Boston, Mass.

Greens, galax, leaves, ferns and leucothoe sprays, holly. Princess pine, all kinds of evergreens. Galax leaves, $1 per 1,000. N. Lecakes & Co., 53 W. 28th St., New York.

Greens, cut palmetto and cycas palm leaves, galax, leucothoe, ferns, mosses and all decorating exergreens. The Kervan Co., 20 W. 27th St., New York.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 52 W. 28th St., New York.

Greens, fancy ferns, $1 per 1,000. Galax, $1.25. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. A. J. Fellouris, 52 W. 28th St., New York.

Greens, fancy or dagger ferns, 75c. Perkins, Newark, N. J.

Greens, fadeless sheet moss and wild smilax. E. A. Beaven, Evergreen, Ala.

HIBISCUS.

Hibiscus Syriacus Meehani. P. J. Berckmans Co., Inc., Augusta, Ga.

HOLLYHOCKS.

Hollyhock, Myosotis, Pansies, all seeds. Hasslach & Roumanille, seed growers, St. Remy de Provence, France.

HONEYSUCKLES.

Honeysuckles, 4-in. pots, $8 per 100. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

HYDRANGEAS.

Hydrangea rosea, 3-in., $1 per doz.; $8 per 100. Otaksa and Thos. Hogg, 4-in., 2 to 3 branches, $10 per 100; 3 to 4 branches, $15 per 100. Vaughan's Seed Store, Chicago and New York.

Hydrangeas, Hortensia and Otaksa, 6 to 7-in., $12 per 100; specimens for 10 to 12-in., $60 per 100. Storrs & Harrison Co., Painesville, O.

Hydrangea Otaksa, field-grown, $1.50 and $2 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Hydrangea Arborescens Alba Grandi. E. G. Hill Co., Richmond, Ind.

Hydrangeas. Jackson & Perkins Co., Newark, N. Y.

IVY.

Ivy, hardy English, $2 per 100; $15 per 1,000. R. Vincent, Jr. & Son, White Marsh, Md.

Ivy, English. A. Schultheis, 19th St. and 4th Ave., College Point, L. I. N. Y.

JERUSALEM CHERRIES.

Jerusalem cherries, 3½-in. in bloom, $4 per 100. J. W. Dunford, Clayton, Mo.

Jerusalem cherries, field-grown, 4-in., 3c. Byer Bros., Chambersburg, Pa.

MARANTAS.

Maranta Lietzii, 2½-in., $1 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

MUSHROOM SPAWN.

Mushroom Spawn, "Pure Culture" spawn, and importers of English mushroom spawn. Knud Gundestrup & Co., 4273 Milwaukee Ave., Chicago.

Mushroom spawn, Columbia, Alaska, Bohemia. Cochran Mushroom & Spawn Co., 911 Chemical Bldg., St. Louis, Mo.

Mushroom Spawn, superior strains of Pure Culture Spawn. E. L. Hess, 604 La Salle Ave., Chicago.

Mushroom Spawn, English and pure culture. Weeber & Don, 114 Chambers St., New York.

Mushroom Spawn, frequent importations from England. J. J. Styer, Concordville, Pa.

MYRTLE.

Myrtle, creeping, 2¼-in., $2.50 per 100; $20 per 1,000. Ludvig Mosbaek, Onarga, Ill.

NURSERY STOCK.

Nursery stock, hothouse, grape vines, fine, strong 2 and 3 year old canes, Black Hamburg, Muscat, Alexander and other varieties. Rose Hill Nurseries, New Rochelle, N. Y.

Nursery stock, dwarf and standard roses, rhododendrons, clematis, conifers, ornamental trees and general nursery stock. Geo. Jackman & Son, Surrey, England.

Nursery stock, shade trees, fruit trees, small fruits, shrubs, clematis, Barberry Thunbergii. W. & T. Smith Co., Geneva, N. Y.

Nursery stock, trees and shrubs. Price list on application. Peterson's Nursery, 503 W. Peterson Ave., Chicago.

Nursery stock, evergreen and deciduous flowering shrubs and vines. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, pot - grown shrubs, conifers and ornamental stock. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, large trees, oak, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, plants and shrubbery of all kinds. Dingee & Conard Co., West Grove, Pa.

Nursery stock, fruit trees, evergreen and ornamental novelties. Levavasseur & Sons, Ussy and Orleans, France.

ORCHIDS.

Orchids. All the Mexican varieties are sold by J. Balme & Co., Mexico City, P. O. Box 628. Illustrated and descriptive culture catalogue sent on receipt of 10c in postage stamps. Price list free.

Orchids, C. Dowiana, C. gigas, C. Mossiæ, C. Percivaliana, C. Speciosissima, C. Eldorado, C. superba, C. labiata, C. Leopoldii. Lager & Hurrell, Summit, N. J.

If you do not find what you need in our Ready Reference Department, write us about it.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England; New York office, room 1, 235 Broadway.

Orchids, Cattleya Trianæ, Orchid peat. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

Orchids, Cattleya Gigas. Jno. De Buck, Box 78, College Point, L. I., N. Y.

PALMS.

Palms, Kentia Bel., 5-in., 5 to 6 lvs., 18 to 20 ins., 75c each; $9 per doz.; $70 per 100. 6-in., 6 lvs., 20 to 22 ins., $1 each; $12 per doz. 6-in., 6 to 7 lvs., 24 ins., $1.25 each; $15 per doz. 7-in., 6 lvs., 26 to 28 ins., $1.50 each; $18 per doz. 7-in., 6 lvs., 28 to 30 ins., $2 each; $24 per doz. 7-in., 6 to 7 lvs., 32 to 34 ins., $2.50 each; $30 per doz. 7-in., 6 to 7 lvs., 35 ins., $3 each; $36 per doz. 8-in., 6 to 7 lvs., 40 ins., $3.50 each. 8-in., 6 to 7 lvs., 40 ins., heavy, $4 each. 9-in., tubs., 7 lvs., 36 to 40 ins., heavy, $5 each. 9-in., 7 lvs., 50 ins., heavy, $8 each. 12-in. pots, 8 lvs., 55 to 60 ins., heavy, $12 each. Kentia Fors., 3-in., 3 to 10 ins., $2 per doz.; $15 per 100. 4-in., 5 to 6 lvs., 15 to 16 ins., $4 per doz.; $30 per 100. 5-in., 5 to 6 lvs., 24 ins., 75c each; $9 per doz. 6-in., 5 to 6 lvs., 26 to 30 ins., $1 each; $12 per doz. 6-in., 6 lvs., 28 to 30 ins., $1.25 each; $15 per doz. 6-in., 6 lvs., 34 to 36 ins., $1.50 each; $18 per doz. 7-in., 6 lvs., 36 to 40 ins., $2 each; $24 per $36 per doz. 8-in., 6 to 7 lvs., 45 to 50 ins., $3.50 each. 8-in., 6 to 7 lvs., 50 to 55 ins., $4 each. 9-in., 6 lvs., 55 to 60 ins., $4.50 each. 10-in. tubs, 6 to 7 lvs., 65 ins., $6 each. 10-in., 6 to 7 lvs., 70 ins., $7 each. 12-in. pots, 6 lvs., 75 ins., $8 each. Made-up Fors., 8-in., 3 plants in pot, 40 ins., $3 each. 8-in., 3 plts., 40 to 45 ins., $3.50 each. 9-in., 3 plts., 50 ins., $4 each. 9-in., 3 plts., 55 ins., $4.50 each. 9-in., 3 plts., heavy, 60 ins., $5.50 each. 9-in. tubs, 3 plts., heavy, 65 ins., $6 each. 9-in., tubs, 3 plts., heavy, 70 ins., $7 each. 10-in., 5 plts., 55 ins., $6 each. Cycas Revoluta, 1 to 6 lbs., 50c per lb. Vaughan's Seed Store, Chicago and New York.

Palms, Areca lutescens, 5-in., 50c each; $5 per doz. Cocos, 2½-in., $1.50 to $1.75 per doz.; C. Bonetti, specimens, $40 each. Kentia Bel., 3-in., $2 per doz.; 5-in., 60c each, $7.20 per doz.; 6-in., xx, $1.25 each, $15 per doz.; Kentia Fors., 5-in., 60c each, $7.20 per doz.; 6-in., $1.25 each, $15 per doz.; 7-in., $2 each, $24 per doz. Phœnix Can., 2-in., $1 per doz.; 5-in., $5 per doz.; 10-in., $3 each; large specimens, $25 to $30 each. Phœnix Recli, 3½-in., $2 per doz.; 4-in., $3 per doz.; 6-in., 50c each, $6 per doz.; 7-in., 75c each. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Palms, Kentia Fors., 6-in. pots, 35 to 40 ins., $1.25 to $1.50; 30 to 35 ins., 4-yr., $1; 5½-in., 25 to 30, 3-yr., 75c; 4-in., made-up, 3 plants to pot, 18 to 20 ins., 25c to 30c. K. Bel., 6-in., 5 to 6 leaves, 30 to 35 ins., $1.25; 5½ to 6 ins., 5 to 6 leaves, 75c to $1. K. Fors., 7-in., made-up, 22 to 24 ins., $2 each. Cocos Wed., 15c. Areca Lutescens, made-up, 4-in. pots, 25c. G. Aschmann, 1012 Ontario St., Philadelphia.

Palms, Kentia Fors. and Bel., Phoenix Can., Cycas Revoluta, Livistona sinensis, Areca Lutescens. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

Palms, Phoenix Roebelenii, 4-in. pots, $80 per 100; 7-in., $4 each; seedlings, $5 per 100; $40 per 1,000. John Lewis Childs, Floral Park, L. I., N. Y.

Palms, Kentia, 3-in., $12. Phoenix can., 4-in., $20 per 100. Ludvig Mosbaek, Onarga, Ill.

Palms of all kinds. R. Dreyer, Woodside, L. I., N. Y.

Palms. L. Van Houtte Pere, Ghent, Belgium.

PANDANUS.

Pandanus Veitchii. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

PANSIES.

Pansies, International, English prize, Parisian, Giant Trimardeau, Odier, $3 per 1,000; 100 by mail, 50c. F. A. Baller, Bloomington, Ill.

Pansies, Intern. strain, seedlings, $3 per 1,000. Seed, $6 per oz.; ⅛ oz., $1 prepaid. Ludvig Mosbaek, Onarga, Ill.

Pansies, $3 per 1,000; 50c per 100. Jos. H. Cunningham, Delaware, O.

Pansies, giant prize, mixed colors, $3 per 1,000. Peter Brown, Lancaster, Pa.

PEONIES.

Peonies. Festiva Mexima, divided, $30; medium, $90. Festiva, small, $35; med., $60. Queen Victoria, div., $15; small, $25. Mme. Crousse, small, $50; med., $100. La Tulipe, small, $50. Globosa Grandi., div., $15; med., $40. Mme. de Verneville, small, $50; med., $100. Golden Harvest, small, $35; med., $60. Duchess de Nemours, small, $35; med., $75. Triomphe de l'Exposition de Lille, small, $40; med., $70. Beaute Francaise, div., $20; med., $45. Floral Treasure, small, $40; med., $75. Edulis Superba, div., $20; med., $45. Louise Renault, div., $20; med., $45. M. Boucharlat Hine, div., $30; med., $65; Augustin d'Hour, div., $20; small, $70. Berlioz, div., $20; med., $60. Rubra Triumphans, small, $25. Emile Lemoine, div., $20; med., $70. Dalachii, small, $30. Peterson Nursery, 520 W. Peterson Ave., Chicago.

Peonies, Eclatante, Ne Plus Ultra, Rubra Triumphans, $2 per doz.; $12 per 100. Beresford, Delachii, Queen Victoria, Rosamond, Washington, $2.50 per doz.; $15 per 100. Delicatissima, $4.50 per doz.; Festiva Alba, $3.50 per doz.; $25 per 100. Festiva Maxima, La Tulipe, $5 per doz.; $35 per 100. Floral Treasure G. Harvest, $4.50 per doz.; $30 per 100. Globosa, $1.50 per doz.; $10 per 100. Grandi, Rubra, $4 per doz.; $20 per 100. Humei, $1.50 per doz.; $10 per 100. Marie Lemoine, $4 per doz.; $25 per 100. Offi. Rubra Plena, $1.50 per doz.; $8 per 100; $75 per 1,000. Somerset, $3 per doz.; $20 per 100. Mixed vars., per 100, $8; per 1,000, $75. James King Nursery, Elmhurst, Ill.

Peonies, 2 to 5 eyes, Achillea, Chas. Verdier, Humei Carnea, Queen Victoria, $8 per 100. Alba Sulfurea, Duc de Wellington, Duchesse de Nemours, Mme. Costa, Mme. Muyssart, Rubra Triumphans, $20 per 100. Alice de Julvecourt, Ne Plus Ultra, $12 per 100. Festiva Maxima, $30 per 100. Golden Harvest, $25 per 100. Off. Rubra fl. pl., $8 per 100; $70 per 1,000. Mixed pinks and mixed colors, $7 per 100; $60 per 1,000. Cottage Gardens Co., Inc., Queens, N. Y.

Peonies, Dorchester, 3 and 5 eye div., $25 per 100. Queen Victoria, $12 per 100; $100 per 1,000. Storrs & Harrison Co., Painesville, O.

Peonies, Queen Victoria, $9 per 100. Festiva Maxima, $30 per 100; Fragrans, $6 per 100. G. H. Wild, Sarcoxie, Mo.

Peonies. Wholesale grower of the best varieties. J. F. Rosenfield, West Point, Neb.

Peonies, leading vars. Jackson & Perkins Co., Newark, N. Y.

Peonies, 100 varieties. C. & M. Wild, Sarcoxie, Mo.

Peonies, all vars. Jacs Smits, Ltd., Naarden, Holland.

Peonies W. & T. Smith Co., Geneva, N. Y.

PEPPERS.

Peppers, Celestial or Xmas., 4-in., $1.25 per doz.; $10 per 100. 5-in., $2 per doz.; $15 per 100. Vaughan's Seed Store, Chicago and New York.

Celestial peppers, 3-in., $5; 5-in., $10; 8-in., $25. Geo. A. Kuhl, Pekin, Ill.

Peppers, 4-in., bushy, $12 per 100. Storrs & Harrison Co., Painesville, O.

POINSETTIAS.

Poinsettias, 2½-in., $5; 3-in., $7.50; 4-in., $12.50. Geo. A. Kuhl, Pekin, Ill.

PRIMULAS.

Primroses, Chinese, obconica, 2-in., $5. Geo. A. Kuhl, Pekin, Ill.

Primulas, Obconica grandi., fimbriata, etc., 2½-in., $3.50 per 100; 4-in., $6 per 100. Chinese, Vaughan's Intern, 3-in., $5 per 100; 4-in., $10 per 100. J. Sylvester, Oconto, Wis.

Primulas, Chinensis, 2½-in., $3 per 100. Obconica Grand., 2½-in., $2.50 per 100. Storrs & Harrison Co., Painesville, O.

Primroses, obconica rosea and alba, $2 per 100. Jos. Cunningham, Delaware, O.

Primroses, Chinese, 4-in. pots, $10 per 100. G. Aschmann, 1012 Ontario St., Philadelphia.

Primula obconica grandi., $2.50 per 100; $20 per 1,000. E. G. Hill Co., Richmond, Ind.

Primula obconica. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

Primrose, Baby, 2½-in. pots, 4c each. The Dingee & Conard Co., West Grove, Pa.

Primroses, Chinese, 2-in., 1½c. Byer Bros., Chambersburg, Pa.

PRIVET.

Privet, California, the best. R. Dreyer, Woodside, L. I., N. Y.

RHODODENDRONS.

Rhododendrons. Jacs Smits, Ltd., Naarden, Holland.

ROSES.

Roses, Baby Rambler, 1st size, $3 per doz.; $25 per 100; $200 per 1,000. 2nd size, $2.50 per doz.; $20 per 100; $150 per 1,000. 3rd size, $2 per doz.; $15 per 100; $120 per 1,000. Pot-grown in bud and bloom, 3-in. pots, $1.50 per doz.; $12 per 100. 4-in., $3 per doz.; $20 per 100. 5-in., $5 per doz.; $40 per 100. 6-in., $6 per doz.; $50 per 100. Etoile de France, 1-yr. dormant, $2 per doz.; $15 per 100. Richmond, 2½-in., $7 per 100; $60 per 1,000; 3-in., $8 per 100; $75 per 1,000; 4-in., $12 per 100; $100 per 1,000. Killarney, 3-in., $8 per 100; $75 per 1,000; 4-in., $12 per 100; $100 per 1,000. Vaughan's Seed Store, Chicago and New York.

Roses, own root, 2½-in., some in 4-in., Alps, Charta, Christy, Clio, Colomb, Diesbach, Dinsmore, Jacq, Laing, Masson, Neyron, Plantier, $3.50. Caprice, Jubilee, Lambelin, $4. M. Dickson, U. Brunner, $5. Druschki, $10. Gruss an Teplitz, $3. B. Brown, Chatenay, Carnot, H. Gould, Kaiserin, Meteor, Pink and W. La France, $3. Richmond, $5. Killarney, $7. O. Scarlet, $3. Cochet, G. Gate, Kruger, Guillot, Notting, $3. Chromatella, Lamarque, M. Niel, R. Peary, $3. Perkins, Cr., P. and Y. Ramblers, $3. Baby Rambler, $5. Clo. Soupert, $3. Leedle Floral Co., Springfield, O.

Roses, Richmond, 2¼-in., $5 per 100; $40 per 1,000; 3½-in., $6.50 per 100; $55 per 1,000. Beauty, 3-in., $5 per 100; $40 per 1,000; 3½-in., $6.50 per 100; $55 per 1,000. Chatenay, Uncle John, 2½-in., $3.50 per 100; $30 per 1,000; 3½-in., $5 per 100; $45 per 1,000. G. Gate, 2½-in., $3.50 per 100; $30 per 1,000; 3½-in., $4.50 per 100. Kaiserin, 2½-in., $3.50 per 100; $30 per 1,000; Sunrise, 3½-in., $5.50 per 100; $50 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Roses, grafted, Killarney, 3½-in. pots, $18 per 100. Liberty, Kaiserin, Maids, Wootton, 3½-in., $12 per 100. Own root, Richmond, Perle, 3-in., $6 per 100. Bride, Maid, G. Gate, Kaiserin, Liberty, Wootton, 3-in., $4 per 100. J. L. Dillon, Bloomsburg, Pa.

Roses, Baby Rambler, grafted on briar roots, 8 to 14 ins., 3 to 6 shoots, $5 per 100; $46 per 1,000; $340 per 10,000. Rose stocks. Levavasseur & Sons, Ussy and Orleans, France.

Roses, 3¼-in., Bride, Maid, Chatenay, Kaiserin, Richmond, $4 per 100; $35 per 1,000; 2½-in., Bride and Maid, $2. W. H. Gullett & Sons, Lincoln, Ill.

Roses, field-grown, Magna Charta, C. Rambler, P. Neyron, Dorothy Perkins, etc., $12 per 100; $100 per 1,000. Storrs & Harrison Co., Painesville, O.

Roses, 2½-in., C. Rambler, etc., $2 per 100; $15 per 1,000. C. M. Niuffer, Springfield, O.

If you do not find what you need in our Ready Reference Department, write us about it.

Roses, Liberty, 3-in., $4 per $100; $35 per 1,000. Chatenay, 2½-in., $4 per 100; $35 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

Rose, Queen Beatrice, finest forcing pink, to be disseminated spring of 1907. F. H. Kramer, 916 F. St., N. W., Washington, D. C.

Roses, from 2½-in pots, Ivory, G. Gate, Bride, Maid, Chatenay. Mrs. J. W. Crouch, 709 Market St., Chattanooga, Tenn.

Roses, Liberty, 3-in., $5 per 100; 2¼-in., $4. Leo Niessen Co., 1217 Arch St., Philadelphia.

Roses, over 1,000 vars. on own roots, all sizes. Dingee & Conard Co., West Grove, Pa.

Roses, field-grown for forcing. W. & T. Smith Co., Geneva, N. Y.

Roses, Bride, Maid, 3-in., $5 per 100. Ludvig Mosbaek, Onarga, Ill.

Roses, climbing plants. Jacs Smits, Ltd., Naarden, Holland.

Roses, from 3-in. pots. Wood Bros., Fishkill, N. Y.

Roses, Jackson & Perkins Co., Newark, N. Y.

Roses. Geo. A. Kuhl, Pekin, Ill.

SANSEVIERIAS.

Sansevieria Zeylanica var., 4-in., $15 per 100; 3-in., $8 per 100. Ludvig Mosbaek, Onargo, Ill.

Sansevieria Jav. Var., 4-in., $2 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

SEEDS.

Seeds, palm, Kentia Fors., K. Bel., $1.25 per 1,000. Canterburyana, $3 per 1,000. Moorei, $12 per 1,000. Areca Baueri, $1 per 1,000. Seaforthia elegans, 50c per 1,000. Livistona australis, 50c per 1,000. Bacularia monostachya, $1.50 per 1,000. Gymnostachys anceps, $2 per 1,000. Calamus Muelleri, $1.50 per 1,000. Tree seeds, Castanospermum australe, $5 per 1,000. Araucaria excelsa, $1.25 per 1,000. J. Staer, Wahroonga, N. S. W., Australia.

Seeds, Asparagus, A. plumosus nanus. Northern greenhouse grown seed, 100 seeds, 60c; 250 seeds, $1.25; 1,000 seeds $4.50. Southern greenhouse grown, 1,000 seeds, $2.50; 5,000 seeds, $10. A. plumosus robustus, 100 seeds, $1; 1,000 seeds, $9. Decumbens, 100 seeds, 50c; 1,000 seeds, $4. Comorensis, 100 seeds, $1; 1,000 seeds, $7.50. Cash discount 2 per cent. Vaughan's Seed Store, Chicago and New York.

Seeds, sweet peas, Earliest White, per pkt., (40 seeds) 25c; 5 pkts., 75c net. ½ size pkts., 15c; 2 pkts., 25c; 10 pkts., 75c. Burpee's Earliest of All, per oz., 10c; ¼ lb., 30c; per lb., $1. W. Atlee Burpee & Co., Philadelphia.

Seeds, L. C. Nungesser, Griesheim near Darmstadt, Germany, exporter and importer. Specialties: Selected grass and clover seeds, alfalfa of Provence and Turkestan; free from dodder and cuscuta. Crimson clover.

Seeds, cineraria, large fld., mixed and semi-dwf. mixed, tr. pkt., 50c. Pansy mixed, oz., $4.50; ¼-oz., $1.15; ⅛-oz., 60c. W. C. Beckert, 103 Federal St., Allegheny, Pa.

Seeds, all kinds, specialties, onion, carrot, lettuce, sweet peas. Pacific Seed Growers' Co., 109 Market St., San Francisco.

Mexican Plants, Seeds, etc., all the varieties are sold by J. Balme & Co., Mexico City. Orchids and cacti specialties.

Seeds, Asparagus plumosus, per oz., $1; per lb., $14; 5 lbs., $55; 10 lbs., $100. F. G. Taylor Seed Co., Glendale, Cal.

Seeds, choice strains, cineraria, calceolaria, cyclamen, pansy, petunia, etc. Jas. Vick's Sons, Rochester, N. Y.

Seeds, Asparagus plumosus, $3.50 per 1,000 seeds. J. M. Thorburn & Co., 33 Barclay St., New York.

Seeds, all kinds of vegetable and flower seeds. C. C. Morse & Co., 171 Clay St., San Francisco, Cal.

Seeds, 5,400 acres of garden seeds in cultivation. Braslan Seed Growers' Co., San Jose, Cal.

Seeds, Araucaria imbricata, $10 per 1,000. Jules Van Mol, rue Goffart 27, Brussels, Belgium.

Seeds, pansy, 1,000 seeds, mixed, 25c; 1 oz., $2.25. H. Wrede, Luneburg, Germany.

Seeds, cauliflower and cabbage. H. Hartmann & Co., Stormgade 12, Copenhagen.

Seeds of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Seeds. W. Atlee Burpee Co., Philadelphia, Pa.

Seeds, Snowball cauliflower. R. Wibolt, Nakskov, Denmark.

SELAGINELLAS.

Selaginella Denticulata, 3-in., $1 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

SMILAX.

10,000 Smilax. Good strong plants from 2¼-in. pots, to close out, 75c per 100; $6 per 1,000. The W. T. Buckley Co., Springfield, Ill.

1,000 Smilax, 3-in., fine stocky plants; cut-back, $2.00 per 100. Stover Floral Co., Grandville, Mich.

Smilax, 3-in., cut back, strings from these plants, $3 per 100; 2½-in., $2. W. H. Gullett & Sons, Lincoln, Ill.

Smilax, 2-in., strong, $1 per 100; $9 per 1,000. C. Humfeld, Clay Center, Kan.

Smilax, $2 per 100; $15 per 1,000. R. Vincent, Jr. & Son, White Marsh, Md.

Smilax, 2-in., $1.50 per 100; $12.50 per 1,000. C. Humfeld, Clay Center, Kan.

Smilax, 2-in. pots, $1 per 100. West End Greenhouses, Lincoln, Ill.

Smilax, $1 per 100; $9 per 1,000. Jos. H. Cunningham, Delaware, O.

Smilax, Wood Bros., Fishkill, N. Y.

SNAPDRAGONS.

Snapdragons, 3½-in., $5 per 100; $45 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

SPIREAS.

Spirea Van Houttei. W. & T. Smith Co., Geneva, N. Y.

Spireas. Jacs Smits, Ltd., Naarden, Holland.

VINCAS.

Vinca Var., from field, $5 per 100. Jos. H. Cunningham, Delaware, O.

VIOLETS.

Violets, Gov. Herrick, new single violet, good keeper; rooted cuttings, $2 per doz.; $10 per 100; $75 per 1,000; 5,000 or more, $60 per 1,000. H. R. Carlton, Willoughby, O.

Violets, California, $4 per 100. Joe Hauser, Webster Grove, Mo.

Violets. Wood Bros., Fishkill, N. Y.

WHOLESALE CUT FLOWERS.

Commission Dealers.

Allen J. K., 106 W. 28th St., New York.

Amling, E. C., 32-36 Randolph St., Chicago.

Berning, H. G., 1402 Pine St., St. Louis.

Cleveland Cut Flower Co., 215 Huron road, Cleveland, O.

Deamud, J. B., Co., 51 Wabash Ave., Chicago.

Flower Growers' Market, 60 Wabash Ave., Chicago.

Ford Bros., 48 W. 28th St., New York.

Froment, Horace E., 57 W. 28th St., New York.

Guttman, Alex. J., 43 W. 28th St., N. Y.

Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Henshaw, A. M., 52 W. 28th St., New York.

Horan, Edward C., 55 W. 28th, N. Y.

Hunt, E. H., 76 Wabash Ave., Chicago.

Kennicott Bros. Co., 40-44 Randolph St., Chicago.

Kessler, Phil. F., 55 W. 26th St., N. Y.

Kuehn, C. A., 1122 Pine St., St. Louis.

Langjahr, Alfred H., 55 W. 28th St., New York.

McCullough's Sons Co., J. M., 316 Walnut St., Cincinnati, O.

McKellar, Chas. W., 51 Wabash Ave., Chicago.

McKissick, W. E., 1221 Filbert St., Philadelphia.

Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Murdoch, J. B. & Co., 545 Liberty Ave., Pittsburg, Pa.

N. Y. Cut Flower Ex., Coogan Bldg., 6th Ave. and W. 26th St., New York.

Niessen Co., Leo, 1217 Arch St., Phila.

Pennock, S. S., Philadelphia.

Pittsburg Cut Flower Co., Ltd., 504 Liberty Ave., Pittsburg, Pa.

Pittsburg Florists' Exchange, 217-223 Diamond St., Pittsburg, Pa.

Pollworth, C. C. Co., Milwaukee, Wis.

Randall, A. L. Co., 19 Randolph St., Chicago.

Raynor, John I., 49 W. 28th St., N. Y.

Rice Bros., 128 N. 6th St., Minneapolis, Minn.

Seligman, John, 56 W. 26th St., N. Y.

Sheridan, Walter F., 39 W. 28th St., New York.

Traendley & Schenck, 44 W. 28th St., New York.

Vaughan & Sperry, 58-60 Wabash Ave., Chicago.

Welch Bros., 15 Province St., Boston.

Winterson, E. F. Co., 45-49 Wabash Ave., Chicago.

Young, A. L. & Co., 54 W. 28th St., New York.

Young, Thos., 43 W. 28th St., N. Y.

Zech & Mann, 51 Wabash Ave., Chicago.

Growers.

Bassett & Washburn, 76-78 Wabash Ave., Chicago.

Benthey-Coatsworth Co., The, 35 Randolph St., Chicago.

Bruns, H. N., 1409-1411 W. Madison St., Chicago.

Budlong, J. A., 37-39 Randolph St., Chicago.

Elliott, W. H., Brighton, Mass.

Hill, The E. G. Co., Richmond, Ind.

Jensen & Dekema, 674 W. Foster Ave., Chicago.

Metairie Ridge Nursery Co., New Orleans, La.

Peacock Dahlia Farms, Atco, N. J.

Poehlmann Bros. Co., 35-37 Randolph St., Chicago.

Reinberg, Peter, 51 Wabash Ave., Chicago.

Sinner Bros., 60 Wabash Ave., Chicago.

Weiland & Risch, 59 Wabash Ave., Chicago.

Wietor Bros., 51 Wabash Ave., Chicago.

Wilcox, J. F., Council Bluffs, Iowa.

Wittbold, Geo. Co., 1657 Buckingham Place, Chicago.

RETAIL CUT FLOWERS.

Atlanta Floral Co., 41 Peachtree St., Atlanta, Ga.

Berterman Bros. Co., 241 Massachusetts Ave., Indianapolis, Ind.

Breitmeyer's Sons, John, cor. Miami and Gratiot Aves., Detroit, Mich.

Cooke, George H., Connecticut Ave. and L St., Washington, D. C.

Daniels & Fisher, Denver, Col.

Donohoe, W. H., 2 W. 29th St., N. Y.

Eyres, H. G., 11 N. Pearl St., Albany, N. Y.

Gude, A. & Bro., 1214 F St., Washington, D. C.

Hansen, Mrs. M. A., Galveston, Tex.

Hauswirth, P. J., Audit. Annex, Chi.

Hess & Swoboda, 1415 Farnum St., Omaha, Neb.

Holm & Olson, St. Paul, Minn.

Kellogg, Geo. M., 906 Grand Ave., Kansas City, Mo.; also Pleasant Hill, Mo.

If you do not find what you need in our Ready Reference Department, write us about it.

Lange, A., 40 E. Madison St., Chicago,
Livingston Seed Co., Columbus, O.
Matthews, 16 W. 3rd St., Dayton, O.
Mayberry & Hoover, 1339 14th St., N. W., Washington, D. C.
McConnell, Alex., 571 Fifth Ave., Windsor Arcade, New York.
Miller, Theo., 4832 Delmar Blvd., St. Louis, Mo.
Mills The Florist, 36 W. Forsyth St., Jacksonville, Fla.
Murray, Samuel, Coates House Con., 1017 Broadway, Kansas City, Mo.
Park Floral Co., The, Denver, Col.
Palmer's, Buffalo, N. Y.
Schulz, J., 644 4th Ave., Louisville, Ky.
Virgin, Uriah J., 833 Canal St., New Orleans, La.
Weber, Fred C., 4320-28 Olive St., St. Louis, Mo.
Wilcox, J. F., Council Bluffs, Iowa.
Wilson, Robert G., Brooklyn, N. Y.

BOILERS.

Boilers, improved greenhouse boilers, made of best material; shell firebox sheets and heads of steel; water space all around (front, sides and back). Kroeschell Bros. Co., 45 Erie Street, Chicago.

Boilers, Gurney heaters, heat by steam or hot water. Gurney Heater Mfg. Co., 111 5th Ave., New York; 74 Franklin St., Boston.

Boilers, the Burnham boilers, made for greenhouse heating. Lord & Burnham Co., 1133 Broadway, New York.

Boilers, corrugated, fire box and sectional, greenhouse heating. Hitchings & Co., 1170 Broadway, New York.

Boilers, boilers of high grade for greenhouses. Steam and hot water. Giblin & Co., Utica, N. Y.

Boilers of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Boilers, water tube steam boilers. King Construction Co., N. Tonawanda, N. Y.

Boilers, write for prices. Johnston Heating Co., 1133 Broadway, N. Y.

Boilers. Myers & Co., 1122 Betz Bldg., Philadelphia.

BOXES.

Cut Flower Boxes, water-proof; corner lock style. No charge for printing on orders above 250 boxes. Livingston Seed Co., Columbus, O.

Cut Flower Boxes; send for prices. Edwards Folding Box Co., Philadelphia, Pa.

BUILDING MATERIAL.

Building material, lumber for greenhouse benches. Ship lap, drop siding, sheathing, flooring, white cedar posts, etc. We are in special position to furnish "Pecky Cypress"; everything in pine and hemlock building lumber. Adam Schillo Lumber Co., cor. Weed and Hawthorne Sts., Chicago.

Building Material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouses and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building Material, cypress sash bars. Tennessee red cedar posts, pecky cypress benches, hotbed sash and frames, ventilating apparatus, pine, fittings and all supplies needed in new or reconstruction work. Foley Mfg. Co., 471 W. 22d St., Chicago.

Building Material. Our designs embody best features of greenhouse construction. Best grade gulf cypress used. Red Cedar posts, iron fittings, hotbed sash. Lockland Lumber Co., Lockland, Ohio.

Building Material, cypress sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 111-125 Blackhawk St., Chicago.

Building Material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 617 Sheffield Ave., Chicago.

Building Material of all descriptions, cold frames, hotbed sash, etc. Lord & Burnham Co., 1133 Broadway, N Y.

Building Material for U-Bar greenhouses. Pierson U-Bar Co., Metropolitan Bldg., 4th Ave. and 23d St., N. Y.

Building Material, cold frames, hotbed sash of every description. Hitchings & Co., 1170 Broadway, New York.

Greenhouse materials of all kinds for greenhouse heating. Johnston Heating Co., 1133 Broadway, New York.

Building material of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Building Material of all kinds. S. Jacobs & Sons, 1365-79 Flushing Ave., Brooklyn, N. Y.

FERTILIZERS.

A sample 100-lb. bag of BLATCHFORD'S PLANT GROWER AND LAND RENOVATOR FERTILIZER only $2.75. It is composed solely of pure Rose Growers' Bone Meal, Nitrate of Soda, Peruvian Guano, Sulphate of Ammonia, Sulphate of Potash and Gypsum, in the correct proportions. For benches and potting plants, roses, carnations, lilies, mums, etc., it has never been surpassed. Address

BLATCHFORD'S CALF MEAL FACTORY AND AGRI. WORKS,
WAUKEGAN, ILL.
Est. at Leicester, England, in 1880.

GLASS.

Glass importers and jobbers; greenhouse glass a specialty. Window glass. James H. Rice, corner Michigan, St. Clair and Illinois Sts., Chicago.

Glass, plate and window glass, greenhouse glass a specialty. Sprague-Smith Co., 167-169 Randolph St., Chicago.

Glass, a lot of 16x18 A and B double strength at low price. A. Dietsch Co., 617 Sheffield Ave., Chicago.

Glass, window glass. Greenhouse glass a specialty. H. M. Hooker Co., 50 W. Randolph St., Chicago.

Glass, French and American "White Rose" brand. Stenzel Glass Co., 2 Hudson St., New York.

Glass, all kinds and sizes. Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.

GLAZING POINTS.

Glazing Points, see the point? Holds glass firmly. Peerless glazing points are the best. No rights or lefts. Box of 1,000 points, 75c, postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

GREENHOUSE CONSTRUCTION.

Greenhouse Construction, Eureka greenhouse the best and lowest in price. All houses erected at factory and shipped to purchaser with blue prints, photographs and plain directions so any person can put up. Dillon Greenhouse Mfg. Co., Bloomsburg, Pa.

Greenhouse Construction, builders of greenhouses for private estates, institutions, parks, etc. Pierson U-Bar Co., Metropolitan Bldg., 4th Ave. and 23d St., New York.

Greenhouse Construction, every type of iron frame or wooden construction. Best workmanship, right prices. Weathered Co., 46-48 Marion St., N. Y.

Greenhouse Construction, sash bar greenhouses. New Truss construction and iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse Construction, builders of every type of greenhouses; the most modern designs. Hitchings & Co., 1170 Broadway, N. Y.

Greenhouse Construction, builders of modern greenhouses. Myers & Co., 1122 Betz Bldg., Philadelphia.

GUTTERS.

Gutters, Lord & Burnham Improved V-shape gutter, with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

Gutters, Garland's gutters will keep snow and ice off your glass. A sample of our gutter is on exhibition at Chicago Flower Growers' Market. Geo. M. Garland, Des Plaines, Ill.

Gutters, new duplex gutter, only drip-proof gutter on the market. E. Hippard, Youngstown, O.

Gutters, Jennings, improved iron gutters. Diller, Caskey & Co., Sixth and Berk Sts., Philadelphia.

INSECTICIDES.

Insecticides, tobacco paper, 24 sheets, 75c; 144, $3.50; 288, $6.50; 1,725, $35.10. Nico-Fume Liquid, pint, $1.50; ½ gal., $5.50; gal., $10.50; 5 gal., $47.25. Kentucky Tobacco Product Co., Louisville, Ky.

Fumigating Supplies, vaporizing pans for tobacco extracts, improved. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

Fumigating Supplies, tobacco dust for fumigating. Edwin L. Koppelman & Co., 81 Pine St., New York.

Fumigating Supplies, tobacco powder and stems. The H. A. Stoothoff Co., 116 West St., New York.

Insecticide, Nicoticide, Bug Killer, the best bug killer and bloom saver. P. R. Palethorpe Co., Louisville, Ky.

Insecticides, Carman's Antipest insecticide and fungicide, $1.50 per gal. Perfection Chemical Co., Flushing, N. Y.

Wilson's Plant Oil for all kinds of plants. In 4-oz. to 1-gal. sizes. Andrew Wilson, 437 Springfield Ave., Summit, N. J.

LAWN MOWERS.

Lawn Mower. The Clipper, lawn mower, No. 1, 12-in., $5; No. 2, 15-in., $6; No. 3, 18-in., $7; No. 4, 21-in., $8. Draft, money order or reg. letter. Clipper Lawn Mower Co., Dixon, Ill.

LEAF MOLD.

Leaf mold. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

METAL DESIGNS.

Metal signs, send for prices. A. Herrmann, 404-12 E. 34th St., New York.

MISCELLANEOUS.

Engravings, best engravings and illustrations of every description for catalogues. Send for estimates. Globe Eng. & Elec. Co., 427 Dearborn St., Chicago.

Printing, large runs of catalogues a specialty. Write for figures. Regan Printing House, 89-91 Plymouth Place, Chicago.

Florists' overdue accounts and bad debts collected by the National Florists' Board of Trade, 56 Pine St, N. Y.

PAINT, PUTTY, ETC.

Paint, Ideal Greenhouse Lead; Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, N. Y.

Paint, Putty, etc. H. M. Hooker Co., 59 W. Randolph St., Chicago.

Paint, Putty, etc. The Jas. H. Rice Co., 80-82 Wabash Ave., Chicago.

PIPE, FITTINGS, ETC.

Pipes, valves, fittings of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

A Bargain, 4-in. cast iron pipes, 5 feet lengths at 12c per foot. C. C. Pollworth Co., Milwaukee.

Iron Fittings, etc.; send for prices. Lockland Lumber Co., Lockland, O.

RAFFIA.

Raffia, samples free if you mention the American Florist. Large assortment of colors. R. H. Comey Co., Camden, N. J., 810-24 Washburn Ave., Chicago.

SUPPLIES.

Supplies, flower baskets, novelties, Riessner Bros., Lichtenfels, Bavaria.

If you do not find what you need in our Ready Reference Department, write us about it.

Tobacco Paper "**NICO-FUME**" **LIQUID**

IS THE STONGEST, BEST PACKED, EASIEST APPLIED.

OVER 40% NICOTINE.

By far the **CHEAPEST.**

24 sheets	$ 0.75
144 sheets	3 50
288 sheets	6.50
1728 sheets	35.10

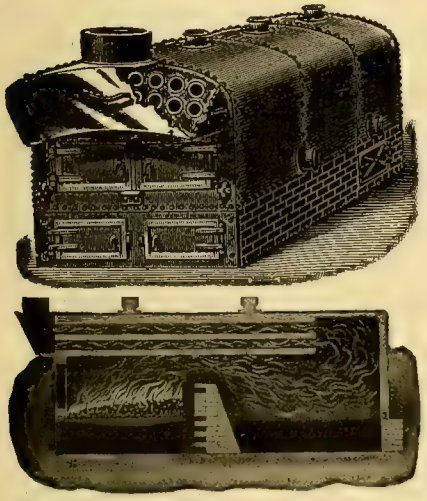
Furnishes the Most Nicotine for the Money!

JUST NOTE PRICES!

Pint	$ 1 50
½ Gallon	5.50
Gallon	10.50
5 Gallons	47.25

Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.

KROESCHELL BROS. CO.
IMPROVED
Greenhouse Boiler
45 Erie Street, CHICAGO.



Boilers made of the best of material, shell, fire-box sheets and heads of steel, water space all around (front, sides and back). Write for information.

CUT FLOWER BOXES WATERPROOF Corner Lock Style.

The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always.

Size No.		Per 100	Per 1000
0.	3x 4x20	$2.00	$19.00
1.	3x 4½x16	1.90	17.50
2.	3x 6x18	2.00	19.00
3.	4x 8x18	2.50	23.00
4.	3x 5x24	2.75	26.00
5.	4x 8x22	3.00	28.50
6.	4x 8x28	3.75	36.00
7.	6x16x20	5.50	54.00
8.	3x 7x21	3.00	28.50
9.	5x10x35	6.50	62.00
10.	7x20x20	9.50	67.50
11.	3½x5x30	3.00	28.50

Sample free on application. No charge for printing on orders above 250 boxes. Terms cash.
THE LIVINGSTON SEED COMPANY,
Box 104, COLUMBUS, OHIO.

The Regan Printing House
LARGE RUNS OF
CATALOGUES —OUR— SPECIALTY
WRITE FOR FIGURES.
83-91 Plymouth Place, CHICAGO.

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

THE LOW PRICE HEATING PLANTS

The Chicago House Wrecking Co. is in position to offer you an interesting proposition for furnishing you with a heating plant at a saving of at least 30%. Send us a sketch of your houses with preferred location of the boiler, the points of compass and the desired night temperature for zero weather, and we will gladly submit you an exact detail quotation of all material required to install the plant. We have ***heaters*** and ***boilers*** of every kind, both new and rebuilt. We have always on hand a large number of rebuilt boilers suitable for greenhouse heating. Our stock embraces ***fire box boilers, horizontal tubular boilers, Kroeschell boilers, cast iron sectional boilers, Erie City economizers*** and other types

We can save you considerable money on ***pipe, valves*** and ***fittings;*** also on ***doors, glass, sash*** and everything needed in the construction of your buildings.

Ask for our Special Catalogue No. 47.

CHICAGO HOUSE WRECKING CO.,
35th and Iron Streets, CHICAGO.

GREENHOUSE HEATING
Complete heating plants erected or materials furnished with working plans.
Write for prices on **BOILERS.**
JOHNSTON HEATING COMPANY,
St. James Building, 1133 Broadway, NEW YORK.

MYERS & CO.
BUILDERS OF
Modern Greenhouses
HEATING
BOILERS.
1122 Betz Bldg.,
PHILA., PA.

Please mention the American Florist when writing.

ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the

"Horticultural Advertiser"

This is the British Trade Paper, being read weekly by all the Horticultural traders: it is also taken by over 1000 of the best continental houses. Annual subscription to cover cost of postage 75c: Money orders payable at Lowdham, Notts.

Address **Editors of "H. A."**
Chilwell Nurseries, LOWDHAM, Notts, England

Wired Toothpicks
10,000, $1.50: 50.000, $6.25. Manufactured by
W. J. COWEE, BERLIN, N. Y.
Sample free. For sale by dealers.
Please mention the American Florist when writing

You heard of, if you did not see, our exhibit at the Convention.
HIGHLY RECOMMENDED
for natural prepared variegated Magnolia Wreaths, Adiantums, natural prepared Christmas Trees and Cycas Wreaths with Asters.
Keep your "I" on the enterprising florists' supply house.
J. STERN & CO.
1928 Germantown Ave., PHILADELPHIA, PA.
Please mention the American Florist when writing.

Carman's Antipest
INSECTICIDE AHD FUNGICIDE
For the Garden, Orchard and Greenhouse.
Non-poisonous and harmless to vegetation.
Kills Green Fly, Aphides, Bark Lice, Thrip, Mealy Bug, Red Spider, Scale, Wire Worms, Ants and Slugs.
This is the Grower's Friend, handy to use, cheap and effective, mixes readily in water. Destroys all insect pests and keeps down filth. Circulars on application. **$1.50 per gallon.** Also in quarts, half gallons and in bulk.
PERFECTION CHEMICAL CO.,
FLUSHING, N. Y.

WILSON'S PLANT OIL.
The best Insecticide and Plant Renovator ever introduced. Positively harmless. Put up in cans and bottles. Send for circular, testimonials and trade price.
ANDREW WILSON, 437 Springfield Ave SUMMIT, N. J.

GET OUR PRICES ON
Galvanized Wire Rose Stakes and Tying Wire.
IGOE BROTHERS,
Manufacturers of the **Model Plant Supports** for Carnations, Dahlias, Golden Glow, Chrysanthemums and Tomatoes.
63-71 Metropolitan Ave., BROOKLYN, N. Y.

REED & KELLER,
122 W. 25th St., NEW YORK.
FLORISTS' SUPPLIES.
We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
and are dealers in **Glassware, Pottery, Decorative Greens and all Florists' Requisites.**
Please mention the American Florist when writing.

LET IT STRIKE YOU

FOLEY MFG. CO. 471 W. 22nd ST CHICAGO.

GREENHOUSE MATERIAL.

HOT-BED SASH OF ALL KINDS
VENTILATING APPARATUS
FITTINGS &c.
SEND FOR FREE ILLUSTRATED CATALOGUE

If you are having delay in getting your roof material, send your orders TO US and don't be in trouble. We will handle any order in the time agreed. Try us.

FOLEY MANUFACTURING CO.,
471 West 22nd Street, : : CHICAGO.

Material for our Patent Short Roof Houses as per cut and all other styles of Construction, either of Washington Red Cedar or Louisiana Cypress.

Dietsch & Co.'s Short Roof Style of Houses Can be seen at George Reinberg, 304 Belmont Avenue, Chicago.

Quality Invariably the Best that Can Be Produced.

A. DIETSCH COMPANY, Patentees

617 Sheffield Ave., CHICAGO, ILL.

BEST ENGRAVINGS and ILLUSTRATIONS

—Of Every Description—

FOR CATALOGUES.

SEE OUR WORK IN THIS PAPER. SEND FOR ESTIMATES.

GLOBE ENGRAVING and ELECTROTYPE CO.

407-427 Dearborn St., CHICAGO.

EUREKA GREENHOUSES.

THE BEST AND LOWEST IN PRICE. All houses erected at the factory and shipped to purchasers with blue prints, photographs and plain directions so that any person can put them up.

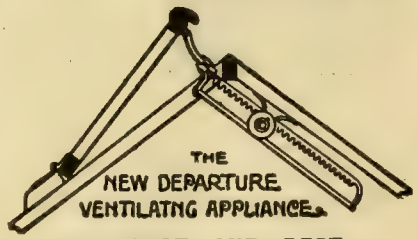
DILLON GREENHOUSE MFG. CO., Bloomsburg, Pa.

The Advance Ventilating Apparatus

With goods made mechanically correct, on principles that have always given satisfaction with prices that are reasonable, with lasting and satisfactory service, we certainly should have a chance to figure with you on what you may need in our line.

We have always pleased our customers. Why not you?

THE ADVANCE CO.
RICHMOND, IND.



CHEAPEST AND BEST.

If you doubt it try them and be convinced. Send for descriptive price circular.

J. D. Carmody, Evansville, Ind.

Please mention the American Florist when writing.

Greenhouse Material

Made of clear Gulf Cypress is what we manufacture. We supply everything for your houses and your carpenter does the rest with the working plans we furnish. Let us figure on your requirements. We can save you money.

S. JACOBS & SONS,
1365-79 Flushing Ave., BROOKLYN, N. Y.

EVANS' IMPROVED CHALLENGE VENTILATING APPARATUS

WRITE FOR ILLUSTRATED CATALOGUE
QUAKER CITY MACHINE WORKS.
RICHMOND, IND.

Please mention the American Florist when writing.

MOREHEAD RETURN TRAPS
are used by
LEADING GROWERS

because they insure an even temperature throughout the greenhouse keeping the returns free from condensation.

An Economic Investment.

Write for illustrated Florists' booklet

MOREHEAD MFG. CO.
1047 Grand River Ave.
DETROIT . MICH.

Le Journal des Roses.

Organ of the French Rosarians.

Published at Paris. Once a month with colored plates.

Subscription $2.70 per Year. Sample Copies Free.

ADMINISTRATION DU JOURNAL DES ROSES
a SUISNES, Brie
a Grisy-Suisnes. (Seine et M FRANCE

Weathered Company,

BUILDERS OF

Iron and Cypress Greenhouses, Greenhouse Heating and Ventilating Apparatus.

P. O. Address. Box 789, NEW YORK CITY.

Always mention the American Florist when you order stock.

It is good business policy to mention
The....
AMERICAN FLORIST
When you write to an advertiser

THE AMERICAN FLORIST

America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXVII. CHICAGO AND NEW YORK, SEPTEMBER 22, 1906. No. 955

THE AMERICAN FLORIST

TWENTY-SECOND YEAR.

Copyright 1906, by American Florist Company. Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

324 Dearborn St., Chicago.

Eastern Office: 1133 Broadway, New York.

Subscription, $1.00 a year. To Europe, $2.00. Subscriptions accepted only from the trade.

Volumes half yearly from August 1901

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—WM. F. KASTING, Buffalo, N. Y., president; H. M. ALTICK, Dayton, O., vice-president; W. J. STEWART, 11 Hamilton Place, Boston, Mass., secretary; H. M. BEATTY, Pittsburg, Pa., treasurer. Twenty-third annual meeting at Philadelphia, Pa., August, 1907

OFFICERS-ELECT—WM. J. STEWART, Boston, Mass., president; JOHN WESTCOTT, Philadelphia, Pa., vice president; P. J. HAUSWIRTH, Auditorium Annex, Chicago, secretary; H. B. BEATTY, Pittsburg, Pa., treasurer.

INTERNATIONAL EXHIBITION—A grand international exhibition will be held with the annual convention at Chicago, November, 1908.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual convention and exhibition at Chicago, November 6-12, 1906. WM. DUCKHAM, Madison, N. J., president; DAVID FRASER, Penn and Homewood Ave., Pittsburg, Pa., secretary.

AMERICAN ROSE SOCIETY.

Annual meeting and exhibition at Washington, D. C., March 13-15, 1907. ROBT. SIMPSON, Clifton, N. J., president; BENJAMIN HAMMOND, Fishkill-on-Hudson, N. Y., secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention and exhibition at Toronto, Canada, January, 1907. JOHN H. DUNLOP, Toronto, Canada, president; ALBERT M. HERR, Lancaster, Pa., secretary.

THE AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

Annual convention at Toronto, Ont., 1907. BYRON D. WORTHEN, Manchester, N. H., president; F. L. MULFORD, Harrisburg, Pa., secretary.

AMERICAN PEONY SOCIETY.

Third annual meeting and exhibition at Ithaca, N. Y., 1907. C. W. WARD, Queens, N. Y., president; A. H. FEWKES, Newton Highlands, Mass., secretary.

Contents, page 402.

Advertising Rates, 402.

Index to Advertisers, 424.

Ready Reference Advts., 425.

Florists' Forcing Bulbs and Roots.

Copyright 1906 by the American Florist Company.

II.—THE TULIP.

Of Holland grown bulbs, annually forced by florists, tulips, without question must be considered of greatest importance commercially. Not only are they made to produce enormous quantities of most desirable cut stock throughout the greater part of winter and early spring, but they are also gladly welcomed as spring flowers and largely enter into the pot plant trade of the enterprising florist. Not all of the numerous varieties, single and double, early and late, are equally good for forcing. A comparatively few sorts only lend themselves willingly to a process that compels a yield of perfect blooms long before their natural season of flowering. It is in the selection of suitable varieties for either early or late forcing where the inexperienced grower is most likely to err. There are a few among the single early varieties that might easily be brought into bloom for the holiday trade in early winter, such as Proserpine, Kaiserkroon and the Duc van Thol varieties. Neither of these, forced out as early as that, would yield a product of an especially desirable or profitable grade. But after the middle of January nearly all of the single early tulips, such as Crimson King, La Reine, Proserpine, Yellow Prince, Kaiserkroon and Rembrandt, may successfully be forced; as also a few of the doubles, such as Salvator Rosa and Yellow Tournesol. Still later in the season, for Easter and the spring trade, not only those just named, but also such sorts as Vermilion Brilliant, Cottage Maid, Scarlet Tournesol, Murillo, Couleur Cardinal and the three Pottebakkers, may be forced with greatest ease and in almost half the time required in earlier attempts. Any one of these sorts and most all of the dwarf growing double varieties, as also Parrot tulips, are good for pots, if slowly brought into bloom for the plant-trade in early spring.

All bulbous plants must be abundantly provided with active roots before they can be forced with entire success. Tulips furnish no exception to this rule. A period of about 8 weeks from the time of planting is required for the formation of roots, and those intended for early forcing should therefore be planted as soon as the bulbs can be obtained in the fall. The common practice of planting them in boxes, about 3 inches deep, and of a convenient size for handling, can hardly be improved upon, whether they are grown extensively or in small quantities. Any good soil, not necessarily very rich, will do for tulips. The bulbs, in planting, are simply pressed into the surface of the soil, leaving the upper tapering half free above ground. They are set quite close with a little bare space between bulbs, so that a box 15x24 inches would easily hold 100 bulbs. After being planted, the boxes are stood side by side on the even floor of a trench made for the purpose, on a piece of well drained garden land, or open field. Now they are thoroughly watered, allowed to dry off a little and then covered to a depth of from 4 to 6 inches, with the fresh soil thrown aside in making the shallow trench. This covering will be all sufficient for the earlier lots, but those intended for later work should receive an additional covering of hay or litter when winter sets in, to prevent a solid freezing up of the top soil, which would render the bringing in of the boxes an irksome task. In from seven to eight weeks the bulbs will be sufficiently rooted for immediate forcing and may then be brought in at any time, when wanted. Those not wanted until late may remain in the ground until a few weeks before their flowers are wanted. While it will take about four weeks of steady forcing in early winter to bring tulips into bloom, the grower need not figure on more than 15 or 18 days in the latter part of winter or early spring.

In transferring the rooted bulbs from their outdoor quarters to the greenhouses, they should be nicely freed of their top covering and carefully guarded against a possible breaking off of the wax-like, tender top growth. A dark and cool place for a day or two will properly prepare the stock for real forcing. The finest flowers from well-rooted

tulip bulbs are obtained under a course of rapid forcing in a house with a moist atmosphere and a steadily held temperature of 65° or 70°. A warm bottom for the boxes is rather a detriment than a help in the case of tulips, and should be avoided. A heavy shading or complete boxing in, for the first half of the forcing period imparts depth and purity to the color of the flowers, and length to their stems, but should be gradually lessened, and entirely removed a few days before the flowers are fully developed. Some varieties, as, for instance, Crimson King, Pottebakker and Rembrandt, finish up splendidly in the same house and temperature, while most of the best commercial sorts require for a perfect finish a sort of hardening off at the close of their course, thereby gaining in substance as well as coloring. Yellow Prince, La Reine and Murillo being examples. Any amount of water is required by tulips, when under actual forcing. E.

THE CARNATION.

Carnation Comment.

FALL WATERING.

The conditions of weather, soil or form of houses may so differ in different localities that it would be presumption to attempt to lay down arbitrary rules for watering. This year we started to lift from the field and plant our houses, under what seemed favorable conditions. The weather was reasonably cool; the plants neither too dry nor too wet. But just as we were well under way the mercury began to climb and kept at it until well above 90°, where it staid for over a week. We gave our houses a good shading of yellow clay and proceeded to make the best of the situation. Now, with a rather light soil, as ours is, and the houses so hot that the pipes felt much the same when touched as if filled with steam, some of the old rules which have been laid down for watering after planting had to be abandoned. The "individual plant," the "light spray" and "mist" theories would not work. We had to water freely and thoroughly.

By this I do not mean to say that we turned every bed into a mud hole, but it was necessary to keep them well wet down both as a means of keeping down to some extent the excessively high and overhead temperature and of keeping the roots moist and cool. Just as soon as we felt the danger was over we began to withhold water and get the plants straightened up. Under such conditions the carnation will stand for only a short time a large amount of water, providing the beds have good drainage. It is also a certainty that if you are watering freely, you must also crowd on all the air possible, but this must not include doors that create strong drafts.

Now that cool nights are at hand and considerable time will elapse before heat will be turned on in the carnation houses, if the weather is dark and dull, but little water will be necessary. On the other hand, if after a cloudy spell the sun shines and the wind blows and there is drying out weather, the grower must be on his guard, for it is another hour of danger. Some of the plants may get too dry before it is realized. always in the forenoon.

I lay it down as a fixed rule that the watering of carnations should be done

SPECIALIST.

Early Versus Late Carnation Planting.

I notice in THE AMERICA FLORIST of September 8, on page 307, under the heading of "Carnation Comment" an article advocating carnations for summer flowers. The writer says that good carnations always sell, which of course is true to a certain extent. But what I have said before, and still claim, is that it pays better to get a good early start by planting early even if one has to sacrifice a number of blooms in the spring or early summer.

In order to get the best results from carnations, financially and otherwise, one must have them in full crop not later than November 1 and keep them so continually until about June 1. If one cannot make carnation growing profitable that way it is safe to say one cannot do so using other methods.

The carnation is like a human being in a way. Just so much can be gotten out of a plant and no more. It is a mistake to suppose one can get as good and early a crop of carnations by planting late. A carnation plant cannot be in full crop from early fall and last into July and August. It is a case of choosing whether one wants the main crop early or late, and I believe every wholesale grower will agree with me that it pays better to get the main crop early and in midseason.

I must admit that it is easier to plant late and get the main crop in the spring when nature will assist greatly in the culture, whereas to bring them in and keep them in bloom during the fall and winter requires more skill and careful handling, but the state of one's bank account will convince one that early planting is the more profitable method of the two and more fully up to the standard of our twentieth century. J.

Diseased Carnation Plants.

ED. AMERICAN FLORIST:—

All summer, while the plants were in the field, here and there a plant would begin to die, one branch at the time, just withered up while the balance of the plant appeared to be healthy. Then another branch would be affected in the same way, and another, until the whole plant was dried up. The stems were the last to die. All varieties were affected alike. The plants are now in the houses and some 10 or 12 have gone off the same way and not one from stem rot. Some light upon the subject will be greatly appreciated.

C. A. M.

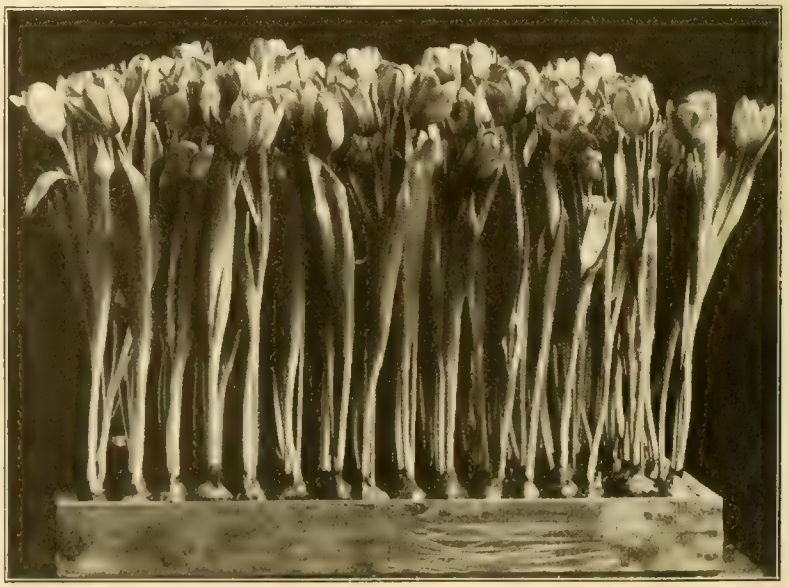
From the description "C. A. M." gives of his carnations it is evident that they have dry stem rot. It attacks the plants just as described and is incurable. The best thing to do is to pull up the plant carefully just as soon as it shows sign of same and burn it up, dig up and throw away the soil with which the affected plants have been in direct contact and apply air-slaked lime freely. It is quite safe to plant another plant in its place, but do not think the diseased plant can be doctored up by cutting off the diseased part, as it will be of no avail and will only tend to spread the disease. Ordinary stem rot generally attacks the plants just within the surface of the soil and makes short work of the plant, whereas the dry stem rot attacks branch after branch, but the result is invariably the same. J.

THE ROSE.

Seasonable Notes.

Now that the difference between the day and night temperature is so great; the effect is easily noted on the indoor plants, and about the only way to equalize the temperature, is to do a little light firing.

American Beauty is perhaps the first to show the effects of a sudden change of temperature, often bringing on black



A FLAT OF FORCED YELLOW PRINCE TULIPS.

spot, and the teas are sure to take mildew if there is a difference of from 25° to 35° between the day and night temperature as is often the case in the early fall.

Light firing, to be effective (if steam is used for heating), does not mean starting the fire in the boiler and banking it off at 10 or 11 o'clock, p. m., leaving it to smolder. If this method of firing is adopted, in all probability the pipes will be stone cold about 4 a. m. This being about the coolest time in the morning, the condensation is greater, and it is this sudden condensing of the atmosphere in the house leaving the moisture, ice cold, to settle on the foliage, that does the damage. Nothing in fact is more injurious than to have this happen several mornings in succession. If a night fireman is employed, now is the time to put him in charge of the heating arrangement as the steam or hot water must be kept in circulation, if used at all. One pipe is usually sufficient on mild nights where the temperature outside is from 50° to 55°, at the same time allowing plenty of air. I find that a temperature of 62° to 65° with steam circulating and the sashes lifted about six inches at night seems to agree with the plants. By reducing the night temperature gradually as the weather grows colder, we soon have our plants in the proper condition to stand the normal temperature they are to be run at through the winter. If the houses are put in charge of a night man now, there should be no difficulty in keeping the plants clean from now on; otherwise a range of rose houses may have their entire contents checked, causing a far greater loss, perhaps, than a night man's wages would amount to in months.

Speaking of night firemen, how often we see a range of houses with that neglected, skinny look to the plants, due, as much as to any other cause, to a cheap night man. It seems that some growers do not look to the great importance of an even temperature and they think there is economy in paying small wages to an incompetent man. This is a great mistake as the fireman must necessarily be intelligent and one we find that is caring for the plant intelligently is worthy of his hire, and is worth as much as the journeyman grower.

Do not expect the newly employed fireman to be a mind reader but take him around and give him time to become familiar with the valve and pipe system. Explain carefully the working of the boiler or boiler pumps, etc., and stay with him until you are sure he thoroughly understands the working of every thing in his line of duty. Remember the product of the whole establishment is left to the mercy of the night force, and one must not take any chances.

The reason I treat the subject at some length is to forcibly impress the grower with the great importance of being equipped properly for the maintenance of an even temperature at night.

The trade writers report the appearance of the new crop in many sections, but this need not be the signal for all of us to let them come into bloom of their own free will. Let only the better grades of plants come into bloom now, as there is considerable outside stock on the market and it is a good policy to build up our plants all we can, while we can do it easily. Disbudding at this time must be done with great care and the object should be to even up the size of the plants, taking all the buds from the smaller plants and allowing only a few to come on the strongest. This course will eventually result in shaping the plants so they will be able to produce a fair number of buds daily, instead of a crop which may come in at a time when prices are at their lowest.

When disbudding the plants now that have attained a fair size it is best to cut down farther on the stem to encourage a sturdier growth. Do not attempt much pruning yet, as this acts directly on the roots. It will be noticed that the plants will not require as much water, particularly after disbudding or heavy cutting as they seem to while making new growth. Still they should never be allowed to become dry at any stage, and if it has been found necessary to use artificial heat when the pipes are under the raised benches, make sure that the water reaches all parts of the soil.

E.

A POT OF FORCED ROSE LUISANTE TULIPS.

Spanish Irises.

The Spanish iris in England is becoming a very important item in the cut flower trade and since growers have been successful in forcing them in large quantities they are becoming increasingly popular, and are now seen on our markets in a cut state from the middle of March until the outdoor grown stock comes in July. This year market growers are ordering the bulbs in large quantities for forcing, larger than they have ever done before, and if the increase of quantities forced continues, as it is doing, a very decided advance in price of bulbs may be expected in the near future. In fact the prices already have an upward tendency and taken as an average all sorts are 25 per cent dearer than last year, and some of the forcing sorts still higher, particularly that fine early yellow variety, Cajanus, which is this year selling at 20 shillings per 1,000 as against 12 shillings per 1,000 last year.

The art of forcing Spanish iris successfully is a very difficult branch of cultivation and beginners generally make a failure the first year or two, but growers are more and more understanding the details of cultivation for forcing, and each year a larger number are growing them successfully. Spanish iris may now be classed as a regular forcing article. There are many reasons of failure which growers usually take two or three years to find out. Probably the greatest cause is that the bulbs intended for forcing are not selected large enough. It should be understood at the outset that a first-sized Spanish iris will not force to perfection. When I say first-sized I mean just the size growers have been for years in the habit of receiving for planting outside and also seedsmen for retailing in shop windows. To force at all one size larger than these bulbs must be used, that is a selected bulb of the very largest and best matured quality. In fact if it is possible bulbs must be obtained one size larger than ordinary first-sized quality.

Another very great fault is that bulbs are not delivered and boxed up early enough. They should never be later than September or early in October, so that

they will have as long a time as possible to make a strong root hold. I have seen iris received from Holland, boxed up during November, which the grower attempted to get in bloom during April, with the certain result that they all came blind. Spanish iris is not like the tulip or even narcissus, but has to rely nearly wholly upon what support it gets from the soil in which it is growing for the development of the plant and bloom. The bloom is not already formed in the bulb when it is received in a dry state as is the case in tulips and hyacinths and in a lesser degree in narcissi. Iris requires a much longer period to develop its root action and also requires a much larger root action than do any bulbs which form their blooms in full the year before as in the case of tulips and hyacinths.

Another thing is that many growers do not put the bulbs in sufficiently deep boxes. Eight inches is none too deep, and the soil should be of a good, rich, mellow character, but without any trace of rank or fresh animal manure in its composition. Some of the most successful cultivators assert it is absolutely necessary that the soil containing the bulbs should never have the direct force of winter frost on it in the slightest degree; they therefore cover the boxes while standing outside with some three to six inches of stable manure plentifully mixed with the stable bedding material in the way of straw or wood chips. This covering not only prevents injury from frost but also serves as a mulch and considerably stimulates the growth in the way of a top dressing of manure. After the boxes are brought inside the houses the forcing should be very slight, gradually increasing, but at no time should they be hard forced, otherwise a very large, if not total, percentage of blind growths will be the result.

The houses used for forcing Spanish iris should be very light and airy and plenty of ventilation given. A grower to be successful must not be afraid to waste an amount of heat through the ventilators. Top lights only must be used. Iris cannot stand drafts although they cannot have too much light and air. The lack of these two essentials causes growths to be weak and spindly with not sufficient strength to support their own weight, and if iris is successfully forced it will stand its own weight as stiff and straight as those grown outside in the open field, whilst too strong heat invariably causes the blooms to come blind. But probably the greatest and most important item of all is to give them plenty of time in which to grow and make a very strong and numerous root hold in plenty of good, mellow, suitable soil before being subjected to any heat whatever.

Then again there is the question of varieties; some growers have the idea that any sort will do for forcing, but this is no more so than it is with tulips, in fact hardly so much as most tulips; even the May flowering sorts, will force a little, whereas some sorts of iris will absolutely refuse to grow at all under forcing treatment. A glance down a leading Dutch bulb catalogue of irises is in most cases a very good guide as to what sorts will force. All the forcing varieties are rapidly advancing in price and in most cases are double the cost of any other sorts, owing to the demand and consequent exhaustion of the stock.

Of course there are other details in cultivation adopted by some growers which may considerably differ from the above, as most growers in nearly all branches of horticulture adopt methods of their own which they find by experience are best suited to their particular circumstances and locality. For instance one of our largest and most successful growers of iris, who grows each year close upon 1,000,000 under glass, uses the following method: He has a large amount of ground covered with skeleton frame houses, that is just wooden posts for support of top-lights, etc. These skeletons are about 4½ feet high at the eaves and 7½ feet high at the ridges and are simply frameworks ready for lifting on top lights when required.

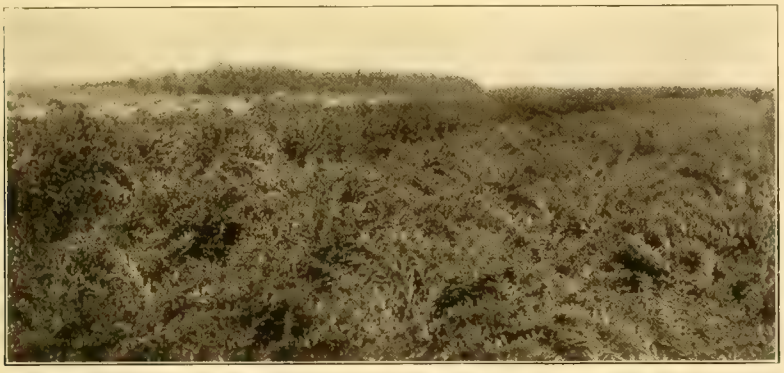
The piping for heating purposes is also hanging on brackets on the supports about two feet from the ground and no partitions between the houses are required. Only glass lights are used on the outsides of the whole block, so that a very large expanse of air is contained under glass without any confinement. The iris is planted in the ground of these houses as soon as received from Holland in a well prepared soil and is allowed to grow and make a large root growth and are fully exposed to outside atmosphere, under, of course, precisely the same conditions as if growing in the open field. As soon as the plants have made good growth and according to what time they are required to bloom the lights are put over and the heat gradually turned on. No finer blooms, nor earlier, ever come into any English market than from this grower. The structures are carefully and well made so that when the lights are on there is no fear whatever of draft.

The following are varieties used almost exclusively in English nurseries for forcing for market work: Alexander von Humboldt, a fine tall growing light blue with blooms of good substance; Belle Chinoise, a good growing sort of medium height and soft yellow color; Blanche Superba, a good forcer, but too short growing for many florists, although very stiff and strong in the stalk, it is the shortest in growth, nearly pure white in color; Blanche Fleure, a white or mauve shaded lilac; British Queen, the finest and grandest forcing pure white, a magnificent large bloom of fine substance, with plenty of last when cut, and a very tall, strong and straight grower; Cajanus, the finest deep golden yellow, a very strong grower, very good and early forcer, a very decided color and used in preference to any other yellow; Chrysolora, another good yellow, but much lighter in color than Cajanus, more of a light sulphur yellow; Darling and Formosa, two dark blues, the former being the best of the two; Gold Cup or Thunderbolt, is the only bronze of any use, a good bronze and yellow sort and an exceptionally strong grower, probably the largest bloom of any and the strongest of any sort in growth, but

ENTRANCE TO VAUGHAN'S NURSERIES, WESTERN SPRINGS, ILL.

bronze is not a color much wanted by the general public; Louise, is a fine porcelain and yellow, the only good forcing sort of its color. As a general rule it is always best to keep the bulbs of the sorts grown to good decided colors, blue, yellow and white only.

ENGLISH CORRESPONDENT.



LIGUSTRUM REGELIANUM AT VAUGHAN'S NURSERIES, WESTERN SPRINGS, ILL.

Lake Geneva Gardeners'

VISIT TO VAUGHAN'S NURSERIES.

The Lake Geneva Gardeners' and Foremen's Association visited Vaughan's Nurseries and Greenhouses, Western Springs, Ill., August 15, and found the outing both pleasant and instructive. Superintendent Wilson and Horace Cheeseman met the party at the station, whence they were driven to the nurseries, about a mile away, where Carl Cropp and Nursery Foreman Stockman joined them. Here luncheon was served in the reception room of Mr. Stockman's residence, shown in one of the illustrations herewith. In the table decorations the new gladiolus, Mrs. Francis King, was employed extensively and was much admired by the visitors.

The nurseries are situated in the open prairie with an ideal soil for the production of stock with fibrous roots and laid out on the block system except around the residence, which is arranged as a show and trial ground representing the various prominent features of landscape work. Here each new introduction must prove its merits without protection of any kind before it is put upon the market.

A large block of Regel's privet looked well, its glossy leaves, stocky growth and hardy character especially commending it. Here also was noted the new Chinese dwarf privet Ligustrum Chinensis, apparently satisfied with its surroundings. This beautiful little shrub rarely exceeds two feet in height and can be substituted for boxwood, which it resembles very much. We noted a large block devoted to hybrid perpetual and other roses, including the Baby Rambler. A large block of Hydrangea paniculata grandiflora was about to burst into bloom.

Special attention is given the propagation and development of the best native shrubs, viburnums, dogwoods, etc. The Carolina poplar and other trees grown in large quantities prove that the soil at Western Springs suits them. The general nursery stock includes in addition to the foregoing everything that is needed in this section of the country in the way of reliable hardy trees, shrubs, vines, etc., including about five acres of the best varieties of peonies.

The perennial phlox is one of the firm's specialties, about four acres being devoted to its propagation and culture. The best varieties only are propagated and some of them originated here. Hardy perennials of all kinds are propagated in immense quantities and grown in pots for convenience in shipping. Cannas and dahlias are grown extensively and represent the cream of existing varieties.

At the greenhouses we found the various sections well filled with thrifty stock of all kinds and sizes. Palms, ferns, araucarias, fancy caladiums and Begonia Gloire de Lorraine were noted in extensive assortment and best possible condition. Chrysanthemums for exhibition purposes had the appearance of prize-winners. Every department showed scrupulous cleanliness and care in growing.

This little notice was prepared at the suggestion of our association and is but an outline of the great work of selection and growing which is going on at this establishment.

JOHN TIPLADY, Pres.

Impressions of Oregon.

To an eastern man Oregon appears big and undeveloped, a land of great resources and almost unlimited possibilities. Over 50 years ago the pioneers settled in the Willamette valley. They and their descendants are still there. The soil is fertile, the climate salubrious and the scenery sublime. Hemmed in by the everlasting hills and cut off from the rest of the world except for a single line of railroad, with bountiful harvests of grain, fruit and hops the native Oregonian has been content to "let well enough alone." This and the blind policy of the only railroad system in the state in not extending its lines or reducing its rates and thereby inviting immigration have kept Oregon in the background for 25 years or more. The Lewis & Clark exposition of 1905, the San Francisco disaster and the expansion policy of several progressive railroads are beginning to awaken up the dormant energies of the sleeping natives, while the influx of eastern push and energy is acting like a leaven which in a short time will permeate the whole state.

From the majestic Columbia river on the north to the state line on the south, a distance of nearly 300 miles, there is only a single line of railroad crossing the state, the O. R. & N., which hugs the south bank of the great river and terminates at Portland. The S. P., a part of the same system, runs from Portland south, up the valley of the Willamette and on to San Francisco. These two lines, with a few short feeders, constitute the railroad system of the state. The roadbed of these roads for the most part cannot be surpassed, but the rolling stock is old and inefficient. Every fall there is a car famine and merchants annually lose thousands of dollars by not having cars to move their products.

The great central and southern portion of this great state are practically undeveloped. A few daring spirits have penetrated the most fertile valleys and a few small towns, the nucleus of cities to come, are established. Some of these interior merchants have to haul their goods by wagon 200 miles from the nearest railroad station.

There are still 10,000,000 acres of government land in the state of Oregon subject to homestead entry, classed as agricultural, timber, stone and desert tracts, but every foot of it rich in natural resources. Such is Oregon as I view it. A land of wonderful possibilities, of almost limitless resources, of sublime scenery, of mild and healthgiving climate, an almost unexplored paradise. It is a land that only needs

THE LAKE GENEVA GARDENERS AT VAUGHAN'S NURSERIES.

development; a rich harvest field awaiting the harvester.

PORTLAND THE BEAUTIFUL.

Portland, the gateway to this great state, reminds one of the older cities of the east, such as Buffalo was 20 years ago. It is situated on both sides of the Willamette river about eight miles from its junction with the Columbia. Ocean steamers from all parts of the world are daily seen at its docks and the volume of its shipping trade is rapidly multiplying.

The city is surrounded by hills from a few hundred to 1,400 feet in height. On these the wealthy have magnificent homes, while hundreds of the middle class camp out on the heights during the summer months. Thousands of the humble poor also have their homes, each surrounded by fruit trees upon these sightly heights. The population of the city is variously estimated at 150,000 to 180,000, while 15,000 or 20,000 not included in these totals live in the surrounding suburbs. There is an immense building boom on in the business district. Old wooden shacks are being replaced by steel and brick structures of the latest style.

This is appropriately called the Rose city. The beautiful queen of flowers is blooming on every lawn. Where the lawns are restricted in size, roses are planted in the boulevards. They are seen everywhere and thousands of flowers are seen in every block, even at this season of the year. In May and June the sight must be grand beyond comparison. But this surfeit of roses renders other flowers scarce. In fact, other flowers are not needed where the rose blooms perpetually. Many of the lawns have fine ornamental shrubs, but they are grown for their beautiful foliage rather than their flowers.

But though vegetation grows most luxuriantly and flowers bloom in the open all the year, there appears to be a good cut flower trade here. There are four first-class stores in the city and 15 or 20 greenhouse establishments in the outskirts and suburbs. Of these I will write at some future time. The rainy season is just commencing and this with the cool nights renders night firing a necessity, especially where roses are grown.

DRUMMER.

HYDRANGEA PANICULATA GRANDIFLORA AT VAUGHAN'S NURSERIES, WESTERN SPRINGS, ILL.

Outing of Two Washington Florists.

ADOLPHUS AND WM. F. GUDE IN THE WEST.

We left Washington, D. C., writes Wm. F. Gude, August 11 and arrived in Denver, Col., early in the morning of August 14. The writer naturally fell in with that genial, wholesouled president of the Park Floral Co., J. A. Valentine. While in Mr. Valentine's place of business we were shown some dahlias, the like of which we had never seen before on either this side or the other of the Atlantic. We were naturally interested to know where these dahlias grew, and a few minutes afterwards we were in an automobile being taken through a most interesting section of the city, and five miles northwest through some of the most fertile fields that it has been ever our pleasure to behold.

A MODEL DAHLIA FARM.

In a short while we were on the grounds of W. W. Wilmore, a former resident of Laurel, Md. Here the beauty and perfection of all the flowers that Mr. Wilmore cultivates are simply unexcelled, but particularly so his dahlia industry, which from our observation seemed to be perfection itself. The following are varieties particularly worthy of mention:

Bonton, he considers the best dark red, and Lyndhurst an excellent red or scarlet. In white, Snow and Glorie de Lyon are both good. Mr. Wilmore considers Kreimhilde a most desirable pink. Cactus and the old deep pink A. D. Livoni are still general favorites, but he predicts that both of these will have to take a back seat when Mme. von Dael is fairly before the public. This he considers the grandest thing yet sent out in pink, but the stock has been too scarce for it to become generally known. It should have a slight shade in this climate to bring the flowers to perfection. Queen of Yellow and Miss Dodd are both good yellows. Twentieth Century has proven to be a valuable and striking variety for florists' use, but it is about the only single that is much in demand here. Mrs. Winters is a magnificent white for the garden, but wilts easily and on that account is not a valuable florists' flower.

Two other new varieties were mentioned which Mr. Wilmore confidently predicts have come to stay. Navajo, a very dark red of decorative form, too dark for florists' purposes but just right for others; and Umatilla, a red with very long stem and fine flowers. A green freak noticed is named Verdiflora, and is as perfectly a formed green flower as we have ever beheld in any color.

It might be well to state that these beautifully fertile acres were a barren waste before Mr. Wilmore took hold of them, but by the introduction and perfect control of the irrigation system he has converted them into a model, commercial, floral and fruit farm. For the flavor of those juicy apples, dished out to us in the form of a liquid, was as pleasing to the taste as was the fruit beautiful to the eye. In all, the home

CAROLINA POPLARS AT VAUGHAN'S NURSERIES, WESTERN SPRINGS, ILL.

of Mr. Wilmore with his sturdy family, his welcome, wholesouled greeting, his kind hospitality and his heartfelt "come again," make one feel proud to be a florist, and that such men as W. W. Wilmore are in the business to grow flowers to such perfection as we saw them here.

Leaving Mr. Wilmore's place laden with arms full of his choice flowers, we stopped at the Union depot to leave them in our cars. The members of our party were all eastern people and they declared that they had never seen such specimens.

IMPRESSIONS OF DENVER AND THE WEST.

We next drove through the principal streets of the city, where we were shown lawns and window boxes to perfection, then to the Park Floral greenhouses where everything that we saw was up-to-date and in fine condition; then through the extensive city park's system, with its zoological park, boulevards, lakes and drives, second to none in point of beauty and artistic arrangement.

Having always been in favor of our national convention reaching out, I feel now more than ever that one of the best moves the Society of American Florists could make would be to hold a convention in Denver, Col., in the near future.

In the midst of the Rocky mountains we were again impressed by the clear color and wonderful beauty of the columbine, which grows wild in great profusion on the mountain tops, also the forget-me-nots with their vivid blue, growing in the highest altitudes, far above the timber line. At Colorado Springs and Manitou, we also noticed that the western people put forth more effort in producing beautiful lawns and gardens than do our eastern people.

SAN FRANCISCO, CAL.—Earthquakes are reported to have been felt within a radius of 200 miles of this city, continuing the feeling of anxiety.

STERLING, ILL.—J. A. Swartley, proprietor of the Sterling greenhouses, has let the contract for the erection of an addition to the plant. The new house when completed, will cost over $2,000 and will be a modern structure in every way. It is to be 46 x 200 feet, and will be devoted to carnations.

WITH THE GROWERS

The Chatogue Greenhouses, Mobile, Ala.

The value of the horticultural industry to Mobile has been greatly increased during the past year. There are nine florists' establishments in the city and outskirts, regularly engaged in the raising of flowers and plants for the market and about half their product is exported to other cities.

THE CHATOGUE GREENHOUSES, MOBILE, ALA.

The nine establishments are the Chatogue Greenhouses, Col. F. P. Davis proprietor, on Spring Hill avenue, at Summerville; C. Ravier & Sons, 250 George street; H. P. Loding, 911 Palmetto, Street; Miss Maria Minge, north Lafayette street; Mrs. Margaret Goodbrad, 982 Dauphin street; Mrs. M. T. Greene, 68 North Lafayette street; Alex. Duplan, 930 Elmira street; L. Thublin, whose establishment is at 515 Marine street, and the Catholic industrial school for boys on North Lafayette street, where both vegetables and flowers are grown for sale locally.

The largest greenhouses in the neighborhood and, in fact, in the south, are the Chatogue Greenhouses. About three years ago when Col. Davis disposed of his cotton compress, and warehouse property and interests, he acquired the historic estate of the late Judge Bragg, on Spring Hill avenue and adjoining properties, which gave him about 80 acres of diversified lands within three miles of the customhouse, and on car, electric, and water lines. Three-mile creek runs through this property, and bottom soil particularly adapted to the growing of roses is found in abundance.

He erected a small block of modern greenhouses, intending to engage in the business of growing cut flowers on a small scale and in a quiet way. From the start there was such demand for the product of his plant that he has been compelled to gradually increase the area of glass until today nearly two acres are covered with the most modern structures, and heated with up-to-date machinery.

One of the most stubborn obstacles to be overcome has been the inability to secure expert labor that could apply knowledge acquired in colder climates to the conditions met here, so that Col. Davis has had to largely direct the work himself. Within the past year he has secured the services of W. M. Bailey, an experienced florist, who received his early training in England, and for a number of years after coming to America had the management of the establishment of the late Mr. Plant, which was located at Macon, Ga. Here he had unlimited means at his disposal with which to apply his knowledge to southern climatic conditions. The local plant is now well equipped to compete with Chicago, which place has heretofore almost exclusively supplied the high class retailers of the south with cut flowers during the winter season.

All of the houses are of iron frame, with seasoned cypress and cedar roof bars, and covered with butted glass. Most of the beds, or benches are constructed of cement.

The main crops grown are roses, carnations and chrysanthemums. All flowers forced out of season are grown to a limited extent, but the three named are grown mostly for shipping. At present 15,000 roses of various kinds are growing on the benches, Bride, Bridemaid, Golden Gate, Ivory, Kaiserin, Killarney, Perle, Richmond and Mme. Brabant. A specialty is being made of Richmond and Killarney. The Chatogue Greenhouses had much of the credit for making a national reputation for the Richmond.

Ten thousand carnations have already been planted in the big house just completed. This house alone covers an area of 7,000 feet. Only a few of the best varieties of carnations are grown, such as Prosperity, Lady Bountiful, Pink and Red Lawson, Enchantress, Moonlight, and the new Christmas Red Cardinal.

Col. Davis is the recognized authority on chrysanthemums in the far south, and a specialty is made of this flower. Of the many varieties tested during the past 20 years, he has culled the list down to about a dozen kinds, mostly white and yellow.

Two houses will be devoted this winter to sweet peas for Christmas, and one to lilies for Easter. A large house has been added to the plant this summer for growing exclusively ferns and foliage plants for the local trade. One house will be devoted to flowering plants in pots. A specialty is made of lily of the valley to order for weddings.

Thermostats are being installed in all

of the houses, and these will operate an electric alarm in the sleeping apartments of the foreman, so that he will be appraised of the slightest change in the temperature.

Heretofore the product of the plant has been sold exclusively at wholesale, but it is announced that the greenhouses will be in future open to the public, and the flowers sold direct.

CANNA KING HUMBERT AT MT. GREENWOOD CEMETERY, CHICAGO.

Expert judges say it is the best canna to date.

A. N. Pierson, Cromwell, Conn.

One of the most extensive greenhouse establishments in the entire country is that of A. N. Pierson, of Cromwell, Conn. He has between 56 and 60 houses under nearly 600,000 feet of glass. Two hundred hands are employed all the time and at certain seasons additional help is employed.

To heat the greenhouses and other buildings requires a battery of 11 boilers, two of them being of 80 horsepower and nine of 125 each or more. Into the furnaces 6,000 tons of coal are shoveled annually. This coal is a mixture of one-fifth bituminous coal and the balance anthracite of the size known as buckwheat. Incidentally it might be mentioned that Mr. Pierson's water bill is $1,600 per annum. A herd of 100 cows is kept for fertilizing purposes, the output of milk paying for the herd.

Mr. Pierson declares he has no specialty, but intends to produce everything the retailer is likely to need. Perhaps lily of the valley is grown as extensively as any other crop. From 2,000 to 5,000 pips are set out every day in the year except Sundays. These pips, which are raised on the place, are kept in cold storage at a temperature of 27° until they are brought out to be slowly thawed for planting. Mr. Pierson estimates that he cuts about 2,000,000 lily of the valley blooms annually. Orchids also are a notable factor in this establishment.

In the rose houses Richmond is now being extensively grown, six houses being devoted to this variety. American Beauty, Bride, Bridesmaid, Ivory and the other leading sorts are hardly less prominent.

Mr. Pierson's greenhouses are in two groups a quarter of a mile apart. In what he calls the north greenhouses are the carnations. Sixteen sorts are being cultivated, Mrs. Lawson and its varieties being most extensively grown. Several greenhouses are devoted to gardenias. Ferns and asparagus of the varieties in demand also are given considerable area.

Mr. Pierson was born near Lund, a city in Sweden, 56 years ago and worked in greenhouses there until 18 years old. He came to this country in 1868 and to Portland, Me., in 1871. The next year he hired Chas. O. Post, of Cromwell, Conn., and built one greenhouse about 50 feet long. A year or two later he married Miss Allison of Middletown and occupied an unpretentious house near his greenhouses. Each year has seen the building of one or more greenhouses, one just finished this year being 60 by 408 feet, and the limit seems as far off as ever.

Mr. Post, his original workman, is still in his employ and is likely to be as long as he works for anyone. Four children have been born to Mr. and Mrs. Pierson, one dying in infancy, one, Representative Frank Pierson, dying last year, and two are living, Wallace Pierson, who is associated in business with his father, and a daughter, the youngest of the family.

Charles Zeller & Sons, Flatbush, N. Y.

A visit to the two establishments in Flatbush of Chas. Zeller & Son discloses the preparations made to meet a demand for miscellaneous stock during the approaching holiday season. As formerly, fruited orange trees will be a specialty. There is a greenhouse full of this stock, the plants running from one to three years old. A nice block of young orange stock is coming along outside, close bushy plants all from cuttings made last February. The evident richness of the soil in the nursery grounds would surprise those who could realize the length of time the grounds have been continuously used for growing stock.

"Here is a piece of ground," said Alfred Zeller, pointing to about an acre planted closely with oranges, hydrangeas, dracæna indivisa and other plants, "which has been used continually for over 30 years, and you would not think stock would grow as well as it does. We feed it well and thus keep it in first-class condition. We put on it well-rotted manure in the proportion of 40 loads to the acre. This spring we found the soil to be a little heavy, so worked into it about 20 team loads of sand. Later, before planting, we applied about half a ton of sheep manure, and a quarter ton of bone meal. We think better soil now could hardly be found."

Another specialty here is Kentia Belmoreana, grown from seed. There is one very fine house full of plants in commercial sizes, all originating in this way. It was stated that there is quite an advantage in cost in favor of home grown stock, compared with the imported, and the appearance of the plants in this house would warrant the assertion that there is also an advantage in quality. Some houses of Boston and Scottii ferns are in excellent shape, the plants being well grown, with a good proportion of them reaching to specimen sizes.

Some houses of chrysanthemums look very well. Maude Dean, Minerva, Minnie Bailey, Pink Appleton and Timothy Eaton are the principal varieties planted. One small house is devoted to cattleyas and has yielded a very satisfactory return during the season. This house later will be used for other stock, and the orchids suspended from the rafters of different houses. There is a

ESTABLISHMENT OF CHAS. ZELLER & SONS, FLATBUSH, N. Y.

Showing house of home grown Kentia Belmoreana

house of cyclamens in excellent shape, and a large quantity of plants outside in frames waiting to be housed. Other things seen coming along are poinsettias, primulas, Pandanus Veitchii, very fine in color, dracænas, caladiums, Japanese peppers, Asparagus Sprengeri, A. plumosus, camellias and begonias. In the field is about half an acre of geraniums growing along for stock plants, the varieties S. A. Nutt, Doyle and Barney predominating.

Pittsburg.

MARKET STEADIER.

Fall trade is beginning to settle down and instead of a spasmodic market it is getting more regular daily. Receipts of carnations are increasing. Quality is also better. Most of our carnation growers will be cutting in a week or two. Roses are better, especially Bride and Killarney. Some nice Chatenay are to be seen. Asters are as good as ever and many more coming in. Lilies are plentiful. Quite a demand for them in pots was felt owing to the 40-hours' devotion. Lily of the valley is plentiful, also candytuft and feverfew. The gladiolus market took a flop at the end of the week, many cleaning up. The chrysanthemum season was ushered in by J. B. Murdoch & Co., showing a few large yellow blooms.

NOTES.

Mrs. E. A. Williams had the anniversary decorations at McCreerey's. The decoration was novel inasmuch as no merchandise was advertised or merits exploited. The whole color scheme was in green, ferns being mostly used, with just enough red dahlias to give the right effect. The counters were all of white asters and yellow dahlias. Mr. Sheaf lost no time getting the decorations ready.

The horse show at Sewickley was pretty well divided between Mrs. E. A. Williams and J. K. Hutchison. The latter had a floral battleship as a centerpiece for the reception dinner given by the club in honor of the naval officers. The piece was beautifully executed and much commented on by the society editors, although they did describe the large asters used as chrysanthemums.

A disease struck a good many local growers' Lawsons, all of which had to be thrown out and new ones secured. Chas. Hoffman and J. L. Wyland were the heaviest losers.

The Pittsburg Florists' Exchange seems to have a corner on the large white aster market. They are also handling some nice Killarney roses.

The Pittsburg Cut Flower Co. reports good sale of gladiolus America during the week.

A. W. Smith is receiving quantities of outside flowers from his Ohio farm.

Visitors: Mrs. Vesey, of Ft. Wayne, Ind., stopped in town Saturday on her way home. John Maxwell, of Greensburg, and G. L. Huscroft, of Steubenville, O., were also visitors. J.

Newport, R. I.

SEASON BETTER THAN EXPECTED.

Now that the Newport season is over, the florists consider business has been as good as last year, although many expected a poor season owing to the great amount of rain in June, and July. August and the beginning of September made up for it. Everybody was rushed with decorations, etc., especially horseshow week.

On September 13 the city was visited by a severe electrical storm, starting at 2 o'clock in the morning. Considerable damage was done by lightning and downpour of rain. The most damage was done at the stable of T. M. Davis, which was struck by lightning and burned to the ground. Mr. Johnson, one of the gardeners, woke up first, while the stable was in flames, he hastened to awake the coachman, etc., who saved the horses and carriages, the help losing everything. Near by two haystacks were burned to the ground belonging to Joe Kenney, a farmer. In the city parks a flag pole was struck by lightning and splintered into a thousand pieces. Many trees and shrubs suffered more or less. In the farming district many barns and houses were struck. The telephone service was out of commission. No glass was damaged, as only rain fell, but in enormous quantity. The storm was over about 5 o'clock a. m. Outdoor flowers and vegetables suffered a great deal. No such storm has been seen here for many years.

Seedsmen are displaying a large variety of dahlia flowers, taking orders for bulbs for spring delivery. They are also unpacking bulbs and filling orders already received.

Stewart Ritchie is beginning to cut carnations out of his new house.

Oscar Schultz is erecting a large storehouse for bay trees, etc.

L.

Wreath for McKinley Monument Unveiling.

The beautiful wreath of laurel, cycas leaves and dark purple asters shown in our illustration, was the offering of the Columbus Florists' Club as a tribute to the memory of our late president at the unveiling of the McKinley memorial monument by Mrs. Nicholas Longworth. The ceremony took place at Columbus, O., September 14. The committee from the club in charge of the matter were: Albert Knopf, Guy H. Woodrow and M. B. Faxon.

McKINLEY MEMORIAL WREATH.
The Columbus Florists' Club's contribution.

Columbus, O.

The unveiling of the McKinley monument caused quite a stir in society last week. Among the out-of-town guests were Nicholas Longworth and wife, and Miss Ida McKinley Day, niece of the late president. A number of receptions were held, and luncheons and dinners given in their honor which created a great demand for red carnations and

American Beauty roses. The Columbus Florists' Club sent a handsome wreath to the committee having charge of the unveiling. The wreath was highly appreciated by the committee and given a prominent place at the speaker's stand.

The Livingstone Seed Co. made a display at the Ohio state fair among which the Boston ferns, a variety of semperflorens begonias, "their own introduction," and Baby Rambler roses were especially worthy of mention. This firm has an unusual demand for fancy evergreens, of which they have a fair collection.

The Fifth Avenue Floral Co. has finished the planting of its carnations after being interrupted very often by the rush in funeral work. Mr. Woodrow reports business as being double that of last year.

J. R. Hellenthal has his new carnation house planted with Enchantress and Ethel Ward, which are in prime condition. The house is up-to-date in every respect. CARL.

Baltimore.

JUBILEE'S EFFECT ON TRADE.

We have had great crowds of visitors and wonderful outdoor gatherings of strangers and our own people during the past week, the occasion being a jubilee celebration in honor of the restoration and rehabilitation of the city after the devastating fire of 1904. Military and civic parades, processions of firemen, including many who came to our assistance in the attempt to fight the great conflagration, and a great concourse of heterogeneous elements to close a week of noise and enthusiasm. As yet it is a mooted question whether business was helped or hindered; certain lines, such as hotels and restaurants, had more to do than they could attend to, but in other branches there is wide complaint that the usual routine of business was rudely interrupted, although there were a large number of retail merchants in town from contributory territory who combined work and play. In the cut flower business some of the street merchants did a good business, but many of the regulars deserted to give their time, energies and vocal powers to the distribution of badges, medals, canes, hats and souvenirs of various sorts, which yesterday were not and today spring up more suddenly and more abundantly than grain sprouting in the field. Florists say there was little acceleration to sales, though naturally some flowers were employed, the bouquets carried in some of the processions being wondrous in size and makeup. The weather has been simply perfect, a warm sun tempered by delightful breezes, with cool and invigorating nights. So far as heard from night firing has not begun with any of the rose growers, and roses, both indoors and out, of good quality and poor, are overabundant. Dahlias come in deluges and carnations are abundant.

The Fernery, 1421 N. Charles street, has made arrangements to grow much of its own material and has leased the greenhouses of Mrs. McRoberts at Govanstown.

Among the improvements not heretofore noted is a greenhouse, 16x100 feet, of Philip B. Welsh, at Glyndon, for carnations. S. B.

Syracuse, N. Y.

The state fair, which closed Saturday, attracted 150,000 visitors. P. R. Quinlan & Co., in the floral exhibit, took 27 out of 32 first prizes in the professional class, four seconds and one third. Among their exhibits were funeral pieces, bouquets, dahlias and ferns. The floral exhibit was in charge of David Campbell, superintendent of the Syracuse parks. The exhibit of flower beds on the grounds was a feature of the fair, the plants having been grown in the state fair greenhouses and put in place by Supt. Henry A. Smith. Arthur Cowee of Berlin, N. Y., had a large show of gladioli and took several prizes.

The park commission recently created by the legislature is planning for a system of public parks in this city. Geo. E. Kessler, of Kansas City, Mo., has been engaged to formulate plans. James W. Pennock is president of the commission.

During the state fair and Ka-noo-no carnival a large number of dinners were given which proved to be profitable to the florists. Fall weddings have started and there is the usual amount of funeral work.

The Wheadons did a large business during the week, the bulk of it having been dinner party decorations.

There has been one light frost this month, but not heavy enough to harm any of the stock outdoors.

Roses are coming in fairly well, American Beauty showing a good length of stem.

Henry Morris has returned from a vacation at Cranberry lake. A. J. B.

Cleveland.

THE MARKET.

The intense heat of the past week had a tendency to weaken the market a trifle, it being one of the hottest spells this season and having a bad effect on the keeping qualities of all kinds of stock. Asters are on the decline, it being impossible to obtain good stock. Carnations and roses are quite plentiful; quantities can be had to fill all orders. Dahlias have put in an appearance, but do not keep after being cut when the weather is so hot.

NOTES.

The bowling alleys at the club are being refinished and will be in fine shape for next week.

Herman Hart has completed his new houses and now has everything up in fine shape.

The stork has visited Geo. Smith. It's a handsome baby girl.

Smith & Fetters had a very large wedding the past week.

Visitors: F. J. Stehle, Lorain, O.; T. G. Yale, Wellington, O.

OHIO.

The Gasser Co. will open a wholesale cut flower house October 1 in the Osborn block. They have secured a very commodious store at this point, which is known locally as the "new center," and as the store fronts on both Prospect avenue and Huron road, it gives it plenty of light and is of ready access. This firm is fitting up both the first floor and basement as shipping and stock rooms. This move was made necessary by the ever increasing business of the company's wholesale branch which has entirely outgrown the limited quarters alloted to it at the retail store on Euclid avenue. Each business will be run independently of the other, and the retail store will be charged with all the stock it gets.

Louisville.

TRADE QUIET.

Business the previous week was generally conceded as being somewhat quiet, with the possible exception of one or two days. There is not, however, much of an over-supply in anything, especially asters, in which white and purple have become very short. The nights have been very cool, and stock is beginning to show quality. There is nothing short about the quality of roses, the supply also being good. The demand has been satisfactory. Carnations are improving both in quality and supply, and find a fair demand. Asters are nearly through locally, though a few of fair quality are yet to be had. The demand is somewhat slow. Lilies are seen occasionally, and have some demand. Cosmos can be had in small quantities, but the blooms are as yet a little small. Dahlias have found a good demand, and can be had in small quantities of satisfactory quality. Green goods can be had in adequate quantities.

The annual dinner of the Kentucky Society of Florists was given Tuesday, and a large number participated. Vice-president Baumer made an ideal toastmaster. President Rasmussen's topic was "Our Society," and pointed out what little time it takes to attend our monthly meetings. J. E. Marret had for his subject "Ladies." Nuf sed. Jacob Schulz spoke of the illumination of Far Hills and touched a little on the short attendance at the majority of our meetings. He urged members to overlook little things that received a majority vote, contrary to their ideas. Secretary Fred L. Schulz spoke of the S. A. F. Louis Kirch gave a talk on "Bowling." The affair was a very pleasant one. Make it a habit.

Visitors: G. S. Brush, representing the J. B. Owens Pottery Co., Zanesville, O.; S. Freund, representing Hummel & Downing Co., Milwaukee; a representative of Schloss Bros., ribbon dealers of New York, and Mr. Burdell, of the Burdell Floral Co., Bowling Green, Ky.

F. L. S.

San Francisco.

TRADE SATISFACTORY.

The first week after the street railway strike and resumption of trolley transportation service trade on the whole is again up to the point of satisfaction. Roses and carnations are reported very scarce and prices have gone up considerably. Lilium album and L. rubrum are not quite so plentiful and find a ready sale. In the show windows I see quite a few cold storage Lilium longiflorum.

Within the week a few more flower stores have opened and one of the finest is that of the Sievers Floral Co., the original John H. Sievers. The location is at 1660 California street, near Van Ness avenue. Also, three streets south from California, at 1345-47 Sutter street, near Van Ness avenue, Pelicano

& Rossi have opened a second flower store with very fine show windows.

Mr. Boland has withdrawn from the old firm of Sievers & Boland and leased two stores at 45-47 Geary street. He is converting them into one store and says it will be the scene of the prettiest flower store in the city. He purposes opening this first downtown store in the burned district the first of next month.

A new flower store opening the past week was on Sutter street, near Fillmore, conducted by Messrs. Stein & Levin, who for years before the earthquake were chief decorator and salesmen, respectively, in the service of the American Florist stand on Polk street.

The Art Floral Co. is enlarging its store on Van Ness avenue and fitting it up very tastefully.

JESSE WHITE.

Denver.

TRADE EXCELLENT.

The flower business has been far ahead of anything we have ever had here during July, August and September. General reports indicate that it was 50 per cent better than the best previous record. The weather is now getting a little cooler and all are looking forward to a good business this fall.

A. C. Sinram has opened up a new store at 1555 Arapahoe street. He has a very attractive establishment and is situated opposite the postoffice. We wish him every success.

E. E. Petersen's new house is planted with the newer carnations, which are looking well.

The Park Floral Co. has its varied and extensive lines in unusually fine condition.

The Alpha Floral Co. expects to move into its new quarters about October 15.

The Colfax Avenue Floral Co. is in good shape for the fall business.

Mrs. Mauff's establishment is well stocked with good material.

N. A. Benson's carnations are in fine condition.

PLATTE.

Davenport, Ia.

TRADE EXCELLENT.

Trade has picked up wonderfully in the past week with plenty of flowers to fill all orders. Roses are fine and carnations are getting better every day, some really good ones now finding their way to the market. Chrysanthemums are in fine shape. In fact everything is looking better now than it did this time last year.

TRI-CITY FLORISTS' CLUB MEETING.

The Tri-City Florists' Club held its regular monthly meeting September 15 with Henry Gaethje, of South Rock Island. "The Forcing of Bulbs" was the topic for consideration and as nearly every member of the society was present an excellent discussion resulted. As it is a subject every florist is more or less interested in, the discussion brought out some excellent suggestions and experiences, especially in the forcing of Lilium Harrisii and L. longiflorum. One new name was submitted for membership. After the meeting refreshments were served and the members enjoyed a social hour. The next meeting will be with Julius Staack, of Moline. As Mr. Staack has just completed a new range of houses of the most modern design, the members are all anxious to inspect them.

The state convention of the Society of Iowa Florists will be held in Dubuque, Ia., October 17.

John Temple, president of the Florists' Club, and Theo. Ewoldt, expect to attend. Mr. Ewoldt is vice-president and Mr. Temple ex-president of the Iowa State Association.

NOTES.

John Temple, who has just returned from the Iowa State Fair, held at Des Moines, reports that the floral display was finer and on a larger scale than ever before. He claims that the amateur display was the best he ever saw and in some respects outclassed those of the professionals.

The Bills Floral Co. has completed the remodeling of its store and has now one of the finest retail stores in this part of the country.

Henry Gaethje has just installed the vacuum system of heating and expects to save one-third his fuel bill this winter.

T. E.

Kansas City.

THE MARKET.

Market conditions for last week, with but few exceptions, have remained unchanged. Generally outdoor stock, including asters and dahlias, is badly in need of rain. Delightfully cool weather has prevailed this week, which to a certain extent has served to stimulate trade. Most every shop has nice future orders booked for weddings, parties, etc. Quite a number of large orders have been executed the past week for department store openings. These made use of large numbers of palms and cut flowers which were given away as souvenirs. With the usual run of funeral work we find the majority of the stores rather busy. The supply of asters is shortening somewhat. Dahlias are scarce. Gladioli may be obtained, but in limited quantities. Carnations are showing the good effects of the cool days. American Beauty is yet scarce and poor. Bride and Bridesmaid roses are increasing in size and length of stem. Smilax, asparagus and all green goods are scarce as usual in this market. All are looking forward with much interest to chrysanthemum time. A visit to many of the growers assures us of a splendid lot for the fall trade. Compared with last year the crop is far ahead in quantity and quality.

NOTES.

The regular monthly meeting of the Missouri Valley Horticultural Society last Saturday was with M. E. Chandler at the Elmhurst Nursery, Argentine, Kans. An interesting address, "The Larger Aspect of Horticulture" was delivered by Prof. Howard Dean, Park College. Papers of interest were read by Mrs. G. E. Rose, Rosedale, Kans., and Prof. E. A. Popno, Manhattan, Kans. A fine dinner was provided and the day was much enjoyed by all.

The People's Floral Co. held its annual opening September 15. Many visitors were entertained. The windows of the store were made very attractive with the use of a large quantity of asters and greens. At the greenhouses was shown a criditable assortment of foliage plants.

Ed. Ellsworth is busy directing the work of remodeling the store. Ed. has the reputation of being very tasty in store arrangements and we are watching with interest the improvements being made.

J. R. Pendroy, of Bartlesville, I. T., was in the city last week making purchases for a new flower shop to be known as the New Novelty Flower Shop which is soon to be established in that city.

Frank Meinhardt, who opened a well-appointed flower store in Leavenworth, Kans., last Thursday, expresses much satisfaction in the volume of business transacted the first few days.

Sam'l Murray reports a good outlook for fall trade, Miss Hayden of that firm having recently succeeded in capturing some nice wedding orders.

Wm. Bridgeland is again busy having spent a very enjoyable visit with home folks in York state.

Mr. King of the Butte Floral Co., Butte, Mont., stopped in the city a few days.

D. Frendenthal contemplates a trip to New Orleans next month.

Miss Ella Newman, of Kansas City, Kans., has sold her place.

K. C.

PORTLAND, ME.—The Portland Sunday Times of September 2 gave an appreciative account of Albert Dirwanger and his business.

ALBANY, N. Y.—The board of contract and supply at its last meeting awarded the contract for tulip bulbs to be planted in Washington park to Henry A. Dreer, Inc., Philadelphia, for $486.90.

—R. D.

OBITUARY.

Michael King.

Following an illness of several months' duration, Michael King, for many years a well known florist of Louisville, Ky., died September 9, aged 71 years. Mr. King was the father of John King, who for several years conducted the Commercial college at Louisville, and is survived by a son, Patrick King, and a daughter, Miss Mary King.

Otto Froebel.

Otto Froebel, the well known horticulturist of Zurich, Switzerland, died August 28, age 62 years.

The Hieland Heather.

Some like the red rose, some the white,
And some the shil-pit lily;
The dahlia and forget-me-not
May please young maidens silly;
But Scotland's hills can boast a flow'r
Worth a' their flow'rs thegither;
Nae sickly hothouse plant, I trow,
But hardy Hieland heather.

When Rome, great mistress of the world,
Sent o'er her conq'ring champions,
Auld Scotland ga'e her lug a claw,
Then off an' o'er the Grampians.
Syne yellochs out in Norlan' wrath,
Come gather, lads, come gather;
Imperial Rome shall rue the day
She first smelt Hieland heather.

—Gardening World.

THE AMERICAN FLORIST

TWENTY-SECOND YEAR.

Subscription, $1.00 a year. To Europe, $2.00
Subscriptions accepted only from those in the trade.

Advertisements, on all except cover pages, 10 Cents a Line Agate: $1.00 per inch. Cash with Order.

No Special Position Guaranteed.

Discounts are allowed **only on consecutive insertions,** as follows—6 times, 5 per cent: 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent.

Space on front pages and back cover page sold only on yearly contract at $1.00 per inch, net.

The AMERICAN FLORIST Advertising Department is for florists, seedsmen and nurserymen and dealers in wares pertaining to those lines only.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Monday to secure insertion in the issue of the same week. Address

AMERICAN FLORIST CO., Chicago.

When sending us change of address always send the old address at the same time.

We do not assume any responsibility for the opinions of correspondents.

THIS ISSUE 48 PAGES WITH COVER.

CONTENTS.

Florists' forcing bulbs and roots....391
—II.—The tulip (illus.)....391
The carnation....392
—Carnation comment....392
—Early versus late carnation planting....392
—Diseased carnation plants....393
The rose....392
—Seasonable notes....392
Spanish irises....392
Lake Geneva gardeners at Vaughan's Nurseries (illus.)....395
Impressions of Oregon....395
Outing of two Washington florists....396
With the growers....397
—The Chatogue Greenhouses, Mobile, Ala. (illus.)....397
—A. N. Pierson, Cromwell, Conn....398
—Chas. Zeller & Sons, Flatbush, N. Y. (illus.)398
Pittsburg....399
Newport, R. I....399
Wreath for McKinley monument unveiling.... (illus.)....399
Columbus, O....399
Baltimore....400
Syracuse....400
Cleveland, O....400
Louisville....400
San Francisco....400
Denver....401
Davenport, Ia....401
Kansas City....401
Obituary....401
—Michael King....401
—Otto Froebel....401
The Hieland heather....401
Greenhouse glass....402
American carnation Society....402
Coming exhibitions....402
Meetings next week....403
Our pastimes....404
—At Philadelphia....404
—Milwaukee Florists' Club picnic....404
Nebraska State Horticultural Society....404
Chicago....406
Illinois State Florists' Association....406
St. Louis....406
Milwaukee....406
Philadelphia....408
Boston....408
Lenox, Mass....408
New York....410
Washington....410
The seed trade....414
—Chas. S. Burge (portrait)....414
—American Seed Trade Association....414
—Stock catalogues....414
The nursery trade....416
—American Association of Nurserymen....416
Los Angeles, Cal....416
St. Paul....418

FROM this date forward be prepared for frosts injurious to tender stock in the open ground.

BENJ. HAMMOND in addition to his other work and effort for the public good has that of president of the Fishkill board of education in hand just now.

SECRETARY BENJAMIN HAMMOND of the American Rose Society is sending his numerous friends a neat advertisement of that association in the form of a celluloid book mark showing a cluster of colored roses.

CHRYSANTHEMUM IVORY, says an expert grower of that variety, does best in light soil with plenty of feeding.

M. L.—No. 1 is a caladium. The names of the other plants can not be supplied in the absence of foliage and flowers.

THE E. G. HILL Co. offer a prize of $15 for best 25 blooms of Chrysanthemum Mary Mann, and $10 for best 15 blooms of any introduction of 1906.

THE Austrian emperor will sell at auction 1,700 orchids of rare beauty and value at his palace at Schonbrunn, near Vienna, on October 1. The imperial collection now numbers more than 20,000 plants, and the greenhouses are so crowded that it is necessary to make a clearance.

Greenhouse Glass.

IMPORT DUTY AS IT AFFECTS FLORISTS.

At the Dayton convention President Kasting's address brought out matters which led to a discussion on the high cost of greenhouse glass, and that the tariff thereon had a marked effect in keeping up the very high cost.

How many millions of square feet of glass there are used by the florists of the United States I am unable to say, but all men who have greenhouses or cold frame plants, are greatly interested in the cost of this important commodity.

In the discussion which ensued at the time it was stated that if there was to be anything done in the modification of the present tax on glass, some action must be taken, otherwise nothing would be ever accomplished.

The matter, after debate, was referred to a committee of which the writer is a member, and to give a correct status of the present rate on glass, application was made to the commissioner of commerce and labor.

Prior to the Spanish war, so-called, the rate on glass used by the greenhouse men was as follows:

"On all sizes not exceeding 10x15 inches square, the import duty was 1 cent per pound; on sizes above 10x15 inches square, and not exceeding 16x24 inches square, 1¼ cents per pound; above 16x24 inches square and not exceeding 24x30 inches square, 1¾ cents per pound."

It will be noted that the tariff is not placed upon the square foot nor is it an ad valorem rate. The valuation is placed on the net weight of glass in boxes, which is 50 feet or as near as may be, and glass will approximate 50 to 80 pounds net in a box, according to thickness. Such was the rate in existence in 1896.

In 1897 the tariff was changed and it is under this tariff that the glass now used in the United States is protected. The paragraph which governs that duty is as follows:

"Glass not exceeding 10x15 inches square at 1⅜ cents per pound, above that and not exceeding 16x24 inches square at 1⅞ cents per pound, and not exceeding 24 x 30 inches square at 2⅜ cents per pound."

Provided, that the duties shall be according to the actual weight of the glass, the reader will see at a glance the substantial increase in the cost of each box of glass, which this protection gives over and above 1896 and previous. In 1896 the quantity imported of the cylinder, crown and common window glass was valued at $54,189,854.13 and for 1905 it was $17,933,028.50.

The question before the greenhouse men of the country is, whether it is worth while to make an effort to procure a lower duty on glass, and bring before the proper authorities the sense that the time is ripe when the high rates of the present duties should be modified for the general good.

This matter, of course, affects not only greenhouse people, but every builder and sash maker in the land.

It was suggested at the Dayton convention that the florists of the United States should make known their interest in the matter by direct statement. The committee to whom this matter was referred would be glad to hear of the public expression, looking toward a proper presentation of the matter in such shape that it will command the attention of the proper congressional committees.

BENJAMIN HAMMOND.
Fishkill-on-Hudson, N. Y.

American Carnation Society.

CARNATION REGISTERED.

"Pocahontas" a cross between a light red seedling and Gov. Roosevelt, strong upright grower, free flowering and produces flowers of very large size with good calyx and a long strong stem. Color a bright shade of crimson, has been submitted by Baur & Smith, Indianapolis, Ind.

ALBERT M. HERR, Sec'y.

Coming Exhibitions.

(Secretaries are requested to supply any omission from this list.)

BOSTON, MASS., November 2-4, 1906.—Chrysanthemum exhibition Massachusetts Horticultural Society. Address Wm. P. Rich, Horticultural hall, 300 Massachusetts avenue, Boston, Mass.

CHICAGO, November 6-12, 1906.—Annual exhibition Horticultural Society of Chicago. Address Willis N. Rudd, Blue Island, Ill.

LENOX, MASS., October 24-25, 1906.—Chrysanthemum exhibition, Lenox Horticultural Society. Address Geo. Foulsham, Lenox, Mass.

MADISON, N. J., November 1-2, 1906.—Eleventh annual flower show Morris County Gardeners' and Florists' Society. Address E. Reagan, Box 315, Morristown, N. J.

NEW HAVEN, CONN., November 6-8, 1906.—Annual exhibition New Haven County Horticultural Society. Address Thos. Pettit, 90 Prospect street, New Haven, Conn.

PROVIDENCE, R. I., November 9-10, 1906.—Chrysanthemum and carnation exhibition Rhode Island Horticultural Society. Address C. W. Smith, 27-29 Exchange street, Providence, R. I.

RED BANK, N. J., October 31-November 1, 1906.—Ninth annual exhibition Monmouth County Horticultural Society. Address H. A. Kettel, Red Bank, N. J.

SANTA BARBARA, CAL., October 17-18, 1906.—Chrysanthemum exhibit Santa Barbara County Horticultural Society. Address Thos. Poole, Santa Barbara, Cal.

TARRYTOWN, N. Y., October 30-November 1, 1906.—Eighth annual exhibition Tarrytown Horticultural Society. Address E. W. Neubrand, Tarrytown, N.Y.

WORCESTER, MASS., November 8, 1906.—Chrysanthemum exhibition Worcester County Horticultural Society. Address Adin A. Hixon, Horticultural hall, 18 Front street, Worcester, Mass.

Meetings Next Week.

Baltimore, Md.—Gardeners' Club of Baltimore, Royal Arcanum building, 18 W. Saratoga street, September 24, at 8 p. m.

Chicago. — Gardeners' and Florists' Union No. 10615, 10-12 Clark street, September 26.

Cleveland, O. — Cleveland Florists' Club, Progress hall, 244 Detroit street, September 24, at 7:30 p. m.

Dayton, O.—Dayton Florists' Club, 112 South Main street, September 24.

Denver, Col.—Denver Floral Club, 323 Charles block, September 28, at 8 p. m.

Grand Rapids, Mich.—Grand Rapids Florists' Club, Board of Trade rooms, Pearl street, September 24.

Hartford, Conn.—Hartford Florists Club, September 28, at 8 p. m.

New London, Conn. — New London County Horticultural Society, Elks' hall, September 26.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

Cash with Adv.

Plant Advs. NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1906 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

Situation Wanted—By a good rose grower. Box 275 Hinsdale, Ill.

Situation Wanted—By American, 40 years old, 20 years in the business, married, good all-around man; best references; would prefer place in west. Address M. J. CROSBY, Silver Creek, N. Y.

Situation Wanted—Experienced man in general indoor and outdoor work is open to engagement in public or private garden; best of references. Address JOHN FABIAN, 2234 W. Kinzie St., Chicago.

Situation Wanted—By young woman, with thorough understanding of flower business; ten years' experience; is also an expert bookkeeper; salary, $15 to $20 per week. Address Key 780, care American Florist.

Situation Wanted—As foreman, by a practical grower of roses, carnations, 'mums and general stock; capable of managing a large plant; good wages expected; references O. K. Address Key 782, care American Florist.

Situation Wanted—Sales manager (practical nurseryman), desiring to make a change, would consider partnership, commission or salaried proposition; accustomed to handle by correspondence large force of agents; competent to install modern office system in retail nursery agency business. Key 775, care American Florist.

Situation Wanted—By a young man 21 years of age; 2 years' experience in the florists' business, wants position where roses carnations and bedding plants are grown and where he can learn to make up designs; first class habits. Please give full particulars in first letter. Address EMIL SIMONS, Fairport N. Y.

Help Wanted—Several good rose and carnation growers Address WEILAND & RISCH, 59 Wabash Ave., Chicago, Ill.

Help Wanted—Young man from 16 to 20 years of age, to learn the florist business. Apply to JOHN L. WYLAND, De Haven, Pa.

Help Wanted—A first-class carnation grower. Wages $45.00 to $50.00 per month; send references. HASKELL AV. FLORAL CO., Dallas, Texas.

Help Wanted—Experienced help for rose and carnation section; also general florist's work. THE GASSER CO., 234 Euclid Ave., Cleveland, O

Help Wanted—One good nurseryman and good propagator wanted at our nurseries good wages to right man. VAUGHAN'S SEED STORE, Chicago.

Help Wanted—At once; capable man to take charge of 20,000 feet of glass in carnations; $50.00 per month to start. J. W. DUNFORD, Clayton, Mo.

Help Wanted—A good grower for cut flowers and plants, one to take charge. Address, stating wages and references. Key 783, care American Florist.

Help Wanted—There is a vacancy in our greenhouses for one or two young men who desire to study practical horticulture as pupils under a competent instructor, whose specialties are ferns, mushrooms, choice cut blooms and plants, cucumbers, tomatoes, under glass for profit. Address Key 779, care American Florist.

Help Wanted—At once, good all-around grower for steady position; must be sober and industrious. State experience and salary. Address WM. E. F. WEBER, Sault Ste. Marie, Mich.

Help Wanted—Foreman manager for large commercial cut flower growing establishment. References demanded. Address THE GASSER COMPANY, Euclid Ave., Cleveland, O.

Help Wanted—At once, good grower of cut flowers and plants; single man preferred; must be well recommended. State salary expected, with room and board. JOHN DIECKMANN & CO., Wheeling, W. Va.

Help Wanted—An expert orchid grower. Must be practical and thoroughly experienced. No amateur or experimenter need apply. Address LOUIS BURK, Girard Ave. and Third St., Philadelphia, Pa.

Help Wanted—Bright attractive, experienced lady to take charge of floral store in Kalamazoo, Mich. Must be able to do decorating and first-class funeral designs. Apply by letter with references to LOCK BOX 855, Kalamazoo, Mich.

Help Wanted—At once, a first-class rose and carnation grower; must be capable of taking care of a section; $45.00 per month and house. Only first-class man need apply. Steady position for right man. Address ROBERT KLAGGE Mt. Clemens, Mich.

For Sale—2 000 feet of good, heavy, 4-inch boiler flues at 8 cents per foot. Address JOSEPH LABO, Joliet, Ill.

For Sale—Nine greenhouses, dwelling house and barn, 3½ acres of ground. For particulars address P. O. Box 109, Newtown, Bucks Co., Pa.

For Sale—Glass, 10 x 12, double strength A. Great bargain for the lot. Address BRANT & NOE FLORAL CO., W. Peterson and N. 48th Aves., Chicago., Ill.

For Sale—Desirable greenhouse business, with dwelling, in growing town 7 miles from Philadelphia; well stocked and everything in good shape to go right ahead; established 14 years; best of reasons for selling. Address F. R MATZINGER, Palmyra, N. J.

For Sale—Worthington duplex steam pump, capacity 30-40 gal. per minute in good condition, $45.00; No. 1 receiver and fittings for pump, good as new $50.00. Dean pump for hand or steam, almost new, $20.00; 6-inch pressure regulator, used two seasons, $50.00; 2½-inch pressure regulator, $18.00. Carnation supports $15.00 per 1000; $125.00 for 10,000. JAMES W. DUNFORD, Clayton, Mo.

For Sale—5,000 feet of 3½ and 4-inch boiler flues with couplings, 16 to 18 feet long, at 8c and 9c per foot; ells and tees half price; also two special made water jacket boilers, each able to heat 4,000 to 5,000 feet of glass; cheap if sold at once; can ship by rail or water. Address GEO. VATTER, Marinette, Wis.

BOILERS.

One 80 H. P., one 40 H. P., return tubular one 32 H. P. upright tubular, for sale at buyer's price. Must be moved at once. Address

1416 Washington Ave., PHILADELPHIA.

FOR SALE.

Second-hand low pressure steam boiler and hot water boiler at Humboldt Park greenhouse.

JENS JENSEN, General Superintendent, Union Park, CHICAGO.

For Sale or Rent—Store and five small greenhouses, with or without dwelling, on street car line; only florist in town; cause sickness. 548 119th St., West Pullman, Chicago.

GLASS.

We have for sale a lot of 16x18 glass A. & B. D. S., at a low price.

A. DIETSCH CO.,
617 Sheffield Ave., CHICAGO.

FOR SALE.

Des Moines, Iowa, wholesale and retail greenhouse establishment, 29,000 feet of glass, three acres of ground, well located, all in good order, with good wholesale and retail trade. Price $8.000; terms reasonable.

VAUGHAN'S SEED STORE
CHICAGO.

If anyone with

$4,500.00 CAPITAL

wants an up-to-date florist establishment that pays over $5,000.00 per year, he can get it with satisfaction guaranteed by writing

W. BUTLER,
FLORIST,
CHILLICOTHE, . - OHIO.

GLASS FOR SALE.

We have for sale a quantity of A. and B. double thick, Pennsylvania hand made, tank glass, all of which runs exceptionally uniform in quality and thickness. Terms cash. Inquiries solicited.

King Construction Co.
NORTH TONAWANDA, N. Y.

Circulation in Buyers' Brains

IS the kind enjoyed by the American Florist. Its actual paid circulation we believe, is the largest in its class. The contents are of real present value and are preserved for future reference. Advertisers who realize this establish permanent business with the best trade in the United States and Canada.

SPLENDID OPPORTUNITY.

Fine, Modern Greenhouse Plant For Sale.

Owing to illness, the proprietor of a first-class greenhouse establishment of about 15,000 feet of glass in an Ohio town of about 12,000 people, is compelled to sell. The plant is well stocked for a general line of retail trade. The stock is in fine condition and there is plenty of everything on hand at present, such as roses and carnations, and the chrysanthemums will be heard from shortly. The business has been established some 14 years and the local trade is of the very best character, supplemented by a large business in surrounding towns. The place is heated by steam. Terms easy. Address **Key 781, care American Florist.**

Please mention the American Florist when writing.

OUR PASTIMES.

At Philadelphia.

A number of the associate members of the Florists' Club amongst whom are some of the best bowlers in the city, challenged the team that represented the club at the late convention to a game, thinking that from the average of the team in that famous tournament they would have no trouble to win. The Dayton boys accepted and as the following scores show, had no trouble in holding their own. The match was bowled at the club alleys, Monday, September 10, the Dayton team winning with 78 pins.

DAYTON TEAM.

Player.	1st.	2d.	3d.	Total.
Robertson	180	157	191	528
Falck	145	149	170	464
Graham	144	146	167	457
Adelberger	154	153	136	443
Dunlap	181	158	134	473
Connor	160	170	166	496
	969	933	964	2861

ASSOCIATES TEAM.

Player.	1st.	2d.	3d.	Total.
Eiwerman	200	135	176	511
Moore	141	151	147	439
Holmes	181	122	129	433
Gross	167	139	168	474
Harris	155	160	158	476
Durham	143	172	135	450
	991	879	913	2783

Milwaukee Florists' Club Picnic.

The Milwaukee Florists' Club held its second annual picnic on the grounds of the C. C. Pollworth Co., in Wauwatosa September 16. Over 50 florists and their families, a total of 200, attended and all enjoyed themselves very much. The entertainment committee, consisting of Herman Hunkel and Wm. Zimmerman, had arranged for several racing events with the following results:

Men's race—C. Dallwig's prizes: A. Peterson, 1st; C. Dettmann, 2d.

Ladies' race—Holton & Hunkel Co.'s prizes: Miss Kennedy, 1st; Miss Hunkel, 2d.

Girls' race—W. A. Kennedy's prizes: Miss Kennedy, 1st; Miss Husslein, 2d.

Girls' race (under 12 years)—F. Pollworth's prizes: G. Baumgarten, 1st; Hilda Menger, 2d.

Boys' race—Hunkel's Seed Store prizes: J. Klokner, 1st; A. Menger, 2d.

Three-legged race—Holton & Hunkel Co.'s prizes: Kuhl and G. Manke, 1st; Welke and W. Manke, 2d.

Sack race—Chas. Menger's prizes: A. Rice, 1st; H. Welke, 2d.

Hurdle race—Holton & Hunkel Co.'s prizes: G. Rusch, 1st; W. Kuhl, 2d.

Potato race — C. C. Pollworth's prize: Mrs. Wolf, 1st; Miss Hunkel, 2d.

Peanut race—Nic Zweifel's prizes: Miss Patzwald, 1st.

Tug of war—Prize donated by John G. Heitman: The team captained by A. Klokner easily defeated the team captained by F. Kaiser, although the latter team was by far the heaviest. H.

Nebraska State Horticultural Society.

The exhibition of the Nebraska State Horticultural Society at the state fair, Lincoln, September 1-7, was one of the most successful the society has ever held. The fruit display was grand in quality and great in quantity. Grapes were particularly good, some 35 varieties of seedlings being shown, a number of them of superb quality. The society distributed 50 barrels of apples and several hundred baskets of grapes to the multitude on fruit day. The space in the floral section was filled to the utmost capacity with good collections of clean, healthy, well-grown stock and the competition was very close. A list of the awards follows:

Best floral design.—C. H. Green, Fremont, first; S. E. Greer, Lincoln, second; Brewster & Williams, Grand Island, third; Dole Floral Co., Beatrice, fourth.

Best floral wreath.—Brewster & Williams, first; C. H. Green, second; Dole Floral Co., third.

Best bouquet.—S. E. Greer, first; Dole Floral Co., second; Brewster & Williams, third.

Basket cut flowers.—Brewster & Williams, first; C. H. Green, second; S. E. Greer, third.

Best collection cut roses. — C. H. Green, first; S. E. Greer, second; Dole Floral Co., third.

Best collection cut carnations.—Brewster & Williams, first; S. E. Greer, second; Dole Floral Co., third.

Best collection cut flowers. — S. E. Greer, first; C. H. Green, second; Dole Floral Co., third.

Best collection and display of greenhouse plants.—C. H. Green, first; Brewster & Williams, second; Dole Floral Co., third; S. E. Greer, fourth.

Best collection of palms. — C. H. Green, first; Brewster & Williams, second; Dole Floral Co., third; S. E. Greer, fourth.

Best five specimen palms. — C. C. Green, first; Dole Floral Co., second; Brewster & Williams, third; S. E. Greer, fourth.

Best collection of ferns.—C. H. Green, first; Brewster & Williams, second; Dole Floral Co., third; S. E. Greer, fourth.

Best five variegated foliage plants.—C. H. Green, first; S. E. Greer, second.

Best display of new and rare plants.—Dole Floral Co., first; C. H. Green, second; Brewster & Williams, third.

Best collection rex begonias.—Brewster & Williams, first; S. E. Greer, second; Dole Floral Co., third.

Best collection flowering begonias.—Dole Floral Co., first; Brewster & Williams, second; C. H. Green, third.

Best collection roses in pots.—C. H. Green, first; S. E. Greer, second.

Best collection carnations in pots.—S. E. Greer, first; Dole Floral Co., second.

Best display tuberoses.—C. H. Green, first; Dole Floral Co., second.

Best pair hanging baskets. — C. H. Green, first; S. E. Greer, second; Dole Floral Co., third.

Best bed of geraniums planted on the grounds.—S. E. Greer, first.

KILL YOUR SCALE.

If you want to KILL scale on your plants ABSOLUTELY there is only one preparation—

WILSON'S PLANT OIL.

Take a can of this preparation, dilute to four times its bulk with water, and wash or spray your palms, ferns, aspidistras, smilax or any plants subject to bugs or vermin and **your plants will be clean. No alkali. Nothing deleterious. Dries at once.**

READ WHAT OTHERS SAY OF IT.

RUTHERFORD, N. J., June 28, 1906.

We have thoroughly tried your Plant Oil with very striking results. We may say this is the first insecticide we have tried on our palms that will remove the scale with the first application. We would like to say this is one of the few things that the florists cannot afford to be without, especially those who are growing palms and decorative plants. After one application of your oil the plants take on an entirely new appearance. We would be pleased to have prospective buyers visit our nurseries and inspect the palms on which we have used your oil

BOBBINK & ATKINS.

NEW YORK BOTANICAL GARDEN, Bronx Park, New York City, September 5, 1906.

MR. ANDREW WILSON:—Having used your insecticide here, I can testify to its efficiency in destroying scale and other insects infesting plants.

Yours very truly, GEO. A. SKENE.

WRITE FOR CIRCULAR.

ANDREW WILSON, Summit, N. J.

Wholesale Flower Markets

MILWAUKEE, Sept. 19.

Roses, Beauty...per doz.	.75@ 3.00
" Liberty, Chatenay	2.00@ 6.00
" Bride, Bridesmaid	2.00@ 6.00
" Meteor, Golden Gate	3.00@ 6.00
" Perle	2.00@ 4.00
Carnations	1.00@ 2.00
Smilax	10.00@12.00
Asparagus, sprays	3.00
" Sprengeri	3 00
Lily of the valley	4.00
Adiantum	1.00
Lilium rubrum, short	3.00
Asters	.50@ 2.00
Gladiolus	1.00@ 3.00

ST. LOUIS, Sept 19.

Roses, Beauty, long stem	2.50@ 3.00
" " medium stem	1.50@ 2 00
" " short stem	.50@ 1.00
" Bride, Bridesmaid	1 00@ 4 00
" Maman Cochet	1.00@ 4.00
" Pres. Carnot	2.00@ 8.00
" Kaiserin	2.00@ 4.00
Carnations, common	.50@ 1.50
Smilax	12 50
Asparagus Sprengeri	1.00@ 2.00
" Plumosus, strings	25.00@40.00
Fancy ferns $1.75 per 1000	
Gladiolus	2.00@ 3.00
Asters	.75@12.00
Tuberoses, single	2 00@ 4.00
Lily of the valley	3 00@ 4.00

PITTSBURG, Sept. 19.

Roses, Beauty, specials	18.00@20.00
" " extras	12 00@15 00
" " No. 1	6.00@10.00
" " ordinary	@ 4 00
" Bride, Bridesmaid	2 00@ 6.00
" Chatenay	4 00@ 6.00
" Richmond	4.00@ 6 00
" Kaiserin	3.00@12.00
Carnations	1.00@ 1.50
Lily of the valley	2.00@ 4.00
Smilax	12.50@15.00
Asparagus, strings	30.00@50.00
" Sprengeri	2.00@ 4.00
Lilies	15.00@18 00
Asters	.50@ 2 00
Adiantum	1.25@ 1.50
Gladiolus	2.00@ 4.00
Dahlias	75@ 1.50

CINCINNATI, Sept. 19.

Roses, Beauty, per doz.	1.00@ 4.00
" Bride, Bridesmaid	3.00@ 6.00
" Liberty	4.00@ 8.00
" Meteor, Golden Gate	3.00@ 6.00
Carnations	1.00@ 3.00
Lily of the valley	3.00@ 4.00
Asparagus	50.00
Smilax	12.50
Adiantum	1.00
Asparagus plumosus and Sprengeri in bunches	per bunch 25c
Ferns	1 50 per 1000
Longiflorum lilies	6.00@15.00
Asters	1.00@ 2 00
Gladiolus	2.00@ 3 00

CLEVELAND, Sept. 19.

Roses, Beauty, per doz.	1.50@ 3.00
" Bride, Bridesmaid, Meteor	3.00@ 7.00
" Kaiserin	4 00@ 8 00
Carnations	1.50@ 2 00
Smilax	15.00
Asparagus, strings	25.00@50.00
" Sprengeri	1.00@ 2.00
Common ferns	$1 50 per 1000
Asters	.50@ 1 50
Gladiolus	1 00@ 2.00

FERNS.

Extra Fine and Cheap.

from bench, Boston, 3-inch, 5c; 6-7-inch, 15c. Boston and Piersoni 4-inch, 10c.; 5-inch, 12½c. Tarrytown, 3-inch, 10c.; 4-inch, 15c; 5-inch, 25c; Tarrytown Runners, $20.00 per 1000. Scottii, 3-inch, 8c; 4-inch, 12½c; 5-inch, 15c.

PRIMROSE, Chinese, white, strong, 2-in., 1½c.
JERUSALEM CHERRIES, field-grown, for 4-in., 3c.
FLOWERING BEGONIAS, 8 kinds, 2-inch, 2½c.
REX BEGONIAS, 2-inch, 4c.
ASPARAGUS SPRENGERI, 2½-in., $2.00 per 100.
Dbl. ALYSSUM, Giant white, 2-inch, 2c.
PANSIES, Giant, $3.00 per 1000.
Dbl. DAISIES, Snowball, Longfellow, Delicata, $2.50 per 1000. **STEVIA** Serrata, field, 2c.

Cash or C. O. D.

BYER BROS., Chambersburg Pa

NEW CROP SOUTHERN WILD SMILAX

The Man Who Gave You The Wild Smilax.

Is Now Ready for Shipment.

Twenty-four (24) hours notice necessary on telegraphic orders.

Caldwell The Woodsman Co.

EVERGREEN, ALABAMA.

New Crop Dagger and Fancy Ferns

$1.00 per 1000.

FOR EVERY OCCASION.

HARDY CUT DAGGER and **FANCY FERNS,** per 1000..1.00
Discount on large orders
BRILLIANT BRONZE and **GREEN GALAX,** per 1000.. 1.00
10 000 lots $7.50.
BOUQUET GREEN, per hundred yards..... 7.00
LAUREL FESTOONING, good and full, 5c to 6c per yard
LAUREL WREATHS, per dozen..... 3 00
BRANCH LAUREL, per bunch.....$ .50
BOXWOOD, per pound..... .20
LEUCOTHOE SPRAYS, per hundred..... 1 00
GREEN and **SPHAGNUM MOSS,** per barrel 1.00
LYRATA, which makes a fine substitute for decorations for June.

Also headquarters for all Florists' Supplies, such as **Milkweeds, Wire Designs, Cut Wire,** all kinds of **Letters, Immortelles, Cycas Leaves,** sheaves of **Wheat, Ribbons, Corrugated Boxes** of all kinds, etc.

HENRY M. ROBINSON & CO., L. D. Phone 7618 Main. **8 to 11 Province St., Boston, Mass.**

Extra Fine New Crop **FANCY FERNS** **$1.00 per 1000**
Discount on large orders.

GALAX.....per 1000, $1.25

Send for our weekly price list on Cut Flowers. Let us have your standing order for Ferns: will make price right all through the season.

MICHIGAN CUT FLOWER EXCHANGE

WM. DILGER Mgr. 38 and 40 Broadway, formerly Miami Ave., DETROIT, MICH

Nephrolepis Scottii.

Small plants from the benches, $5.00 per 100; $50.00 per 1000. Plants large enough for 6-inch pots, $25.00 per 100. Plants large enough to go in 7 and 8-inch pots, $50.00 per 100.

Asparagus Plumosus Nanus, 2¼-inch, fine plants, $3.00 per 100.

JOHN SCOTT,

Rutland Road and East 45th Street, **BROOKLYN, N Y.**

Telephone 2890 Bedford.

Please mention the American Florist when writing

Southern Smilax

Now Ready in limited quantities for immediate use.

Everything **worth while** in Southern Evergreens.

EDWARD A. BEAVEN,
Evergreen, Ala.

SUPPLIES FOR

WESTERN FLORISTS.

We carr ya full assortment and can save you time and money.

Ask For Price List.

The Barteldes Seed Co.

DENVER, COL.

RICE BROTHERS

WHOLESALE 113 N. 6th St.,

SHIPPERS of home grown Cut Flowers, comprising the newest varieties of blooms. Full line of supplies and decorative greens. Trial order solicited. Weekly price list issued.

MINNEAPOLIS, MINN.

NEW CROP GREEN GALAX,

60c per 1000, or $5.00 per case of 10,000, or $2.75 per case of 5000. Cash with the order or satisfactory reference.

C. W. BROOKS, Laurelbranch, N. C.

Chicago.

TRADE SUFFERS BY WEATHER.

The market opened with firm prices and good stock early last week and business continued excellent for three days. Then came a warm day followed by others of a similar character, which did much to ruin stock and break the run of trade. Shipping orders fell off considerably and the local trade dwindled away to insignificance. There had been large quantities of excellent material on the market up to that time, but the change of weather brought a shortage in some lines. American Beauty which had been plentiful became quite scarce and there is but little of any note now obtainable. Enchantress carnations also shortened with no substitutes to take their place, as Boston Market, Mrs. Patten, Lawson and other varieties were not in abundance. Most of the carnation stock was of indifferent quality and brought normal prices. The roses showed most plainly the effect of the warm weather; Bride, Bridesmaid, Kaiserin, Chatenay, Richmond and Liberty arrived about half open and had to be sold quickly. There are some exceptions to this, however, as several houses are receiving fairly good stock. Asters continue plentiful, selling at indifferent prices.

NOTES.

Bids for the excavating and filling in of the new portion of Humboldt park were declared too high by the west park board and all bids were rejected. The lowest bid was 42 cents per cubic yard. The board authorized the president to sign a contract for the work at 35 cents per cubic yard without advertising for new bids.

The Florists' Club held its monthly meeting September 13. It was poorly attended, there being just a quorum present. W. K. Wood occupied the chair in the absence of President Hauswirth. No business of importance was transacted.

The E. F. Winterson Co. is building a glass partition the length of the store which will be used for displaying various kinds of florists' supplies. It will serve to keep dust from the goods and add to their attractiveness.

Peter Reinberg reports an unprecedented demand for his new Marshall Field rose. The stock is arriving in fine shape and it keeps his large force hustling to fill all orders promptly.

Bassett & Washburn are cutting heavily of a fine rose crop. They are handling some splendid American Beauty, which sells exceptionally well, owing to the present scarcity.

The Illinois State Florists' Association is doing some vigorous "plugging" among wholesalers with a view to making the state fair a record-breaking event.

Lubliner & Trinz are displaying two funeral wreaths, each in a glass show case, in front of their store which attracts considerable attention.

Miss Sterret of the Chicago Rose Co. has resigned her position with that company and is now keeping books for Geo. Reinberg.

J. J. Curran has severed his connections with Brant & Noe and will start in business on his own account.

Clifford Prunner of E. F. Winterson's who has been confined to his bed the past week with typhoid fever is reported improved.

E. E. Pieser, who has been touring Canada, returned home September 10. He reports a fine trip.

Phil Hauswirth and Geo. Asmus returned from the Powwow of the Red Men last week.

Scheiden & Shoos opened their new stand in the Flower Growers' Market September 17.

Chas. Morton, 3626 Cottage Grove avenue, returned last week from a trip to Europe.

The Selfridge orchid collection is attracting much attention at Lincoln park.

John Degnan is among us once more, having located with E. F. Winterson.

Benthey's aster, where true, has given growers much satisfaction this year.

J. B. Deamud has returned from a fortnight's trip through the east.

A. Hildred, 3030 Indiana avenue, is reported seriously ill.

F. W. Timme returned from Europe last week.

Visitors: Arthur Petersen, Escanaba, Mich.

Illinois State Florists' Association.

To the members of the associations and all florists throughout the state:

It devolves upon us to make a creditable floral display at the coming state fair, September 28 to October 6. The society has been called upon to assist in promoting floricultural exhibits. A committee has taken up the work with the superintendent of this department at the fair, and we now call on each and every florist throughout this great state to assist in the good work.

Remember, it is to all our interests to advance floriculture, and we know of no better way to interest the public than by liberal displays. If you have nothing to enter for competition, send for exhibition—anything to help this movement along. Remember, this will be a starter on the road in the right direction.

Parties intending to exhibit should notify Robert O'Dwyer, Supt. of State Fair Floriculture, Desplaines and Monroe streets, Chicago, not later than September 24, so that he may arrange the space to the best possible advantage.

Be sure and come yourself and spend at least one day. This committee will be pleased to meet you there.

Committee: J. F. Ammann, Edwardsville, Ill.; Albert T. Hey, Springfield, Ill.

St. Louis.

MARKET FIRMER.

The market the past week was somewhat firmer, the extreme warm weather, however, having a bad effect on the quality of the stock. Carnations are still coming in with very short stems and badly spotted. A few good Enchantress may be seen. American Beauty roses and fancy asters are in demand. Warm weather has also a bad effect on fancy ferns, one shipment of 8,000 from the east having arrived all burned up and worthless. There has been a big demand for American Beauty roses and asters for openings all the present week.

F. H. Foster is out with his new powder, a cure for chronic catarrh. Last Sunday Fred visited the wholesale houses and distributed his powder freely during the incoming of a large shipment of Kasting's asters from Buffalo, N. Y. There was a sudden epidemic of sneezing; everyone attributed it to the asters which they vowed had been doctored.

The St. Louis Florists' Club met last Thursday, 22 members being present. The installation of officers and the balloting for new members occupied the time of the club. Fred Alves and Oscar Huettemann were elected as members.

The Ayers Floral Co. is painting and refitting its store. Mrs. Ayers reports trade as first-class. She is ably assisted by Will Adels and L. A. Gieger, formerly with Grimm & Gorley.

Ostertag Bros. had the opening Monday of Werner Bros. They used a very large assortment of decorative plants and over 1,000 American Beauty roses.

Park Commissioner Aull will superintend the unveiling of the equestrian statue of St. Louis in Forest park.

Geo. H. Angermueller filled last week and this two of the largest American Beauty orders of the season.

E. Gullett & Sons, of Lincoln, Ill., are sending in some fine Bride roses to H. G. Berning.

It is probable that cosmos will be the fashionable flower at the veiled prophets' ball.

F. H. Weber is repainting and refitting his store and greenhouse. W. F.

Milwaukee.

TRADE IMPROVING.

Trade the past week has been somewhat better than a year ago, however, there is now plenty of good stock in the market and with the steady improvement of carnations we can expect to see extra fine stock within a very short time. Asters are running down to the tail end of the crop and will be through altogether within two weeks. Plenty of green stock of all kinds is in the market.

Louis E. Herzberg, for a long time employed by Milwaukee florists and now foreman for J. B. Heiss, Dayton, O., and Ida Gerlach, daughter of F. Aug. Gerlach, florist of Mitchell park, were married on the evening of September 17. After a short honeymoon the couple will go to Dayton, O.

H.

MARION, IND.—Gunnar Teilmann has returned from his trip abroad. Arriving in London from Copenhagen with lumbago and a sprained back he was unable to see anything of England. He was confined to his hotel during his two days' stay and only recovered in time to take the train for Southampton where he took returned passage for this country. Mr. Teilmann reports the balance of his journey as very enjoyable to himself and his children.

Bassett & Washburn
76 & 78 Wabash Ave., CHICAGO.
Wholesale Dealers and Growers of **Cut Flowers**
GREENHOUSES: HINSDALE, ILL.

E. H. Hunt,

WHOLESALE

Cut Flowers

"THE OLD RELIABLE."

76 Wabash Ave., ...CHICAGO.

Please mention the American Florist when writing

E. C. AMLING

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

32, 34, 36 RANDOLPH ST.,
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Please mention the American Florist when writing

WEILAND & RISCH

Wholesale Growers and Shippers of
CUT FLOWERS
59 Wabash Ave., CHICAGO.
'Phone Central 879
Write for our wholesale price list.

WHOLESALE FLORISTS

Please mention the American Florist when writing.

Jensen & Dekema

CARNATION SPECIALISTS

674 W. Foster Ave., CHICAGO.

Please mention the American Florist when writing

SINNER BROS.

WHOLESALE CUT FLOWERS
60 Wabash Ave., Chicago.
Careful attention to all
SHIPPING ORDERS.

Please mention the American Florist when writing.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty.....

WHOLESALE GROWER of CUT FLOWERS

Chas. W. McKellar

51 Wabash Ave.,
CHICAGO.

ORCHIDS
A Specialty,

Fancy Stock in VIOLETS, VALLEY, ROSES, BEAUTIES, CARNATIONS and a full line of all Cut-Flowers. Greens, Wire-Work and FLORISTS' SUPPLIES.

Send for Complete Catalogue.

Wholesale Flower Markets

CHICAGO, Sept. 19.

Roses, Beauty, 30 to 36-in. stems		4 00
" " 20 to 24 "	2.50@	3.00
" " 15 to 18 "	1.50@	2.00
" " 12 "	.75@	1.00
" Liberty, Chatenay	3.00@	6.00
" Bride, Bridesmaid	3.00@	6.00
" Golden Gate	3.00@	6.00
" Killarney, Richmond	4.00@	10.00
Carnations	1.00@	1.50
" fancy		2.00
Lily of the valley	2.00@	4.00
Harrisii lilies, per doz. $1.50		
Asparagus plumosus, per string 35 to 50c.		
" " .35@ 1.00 per bu.		
" Sprengeri	2.00@	4.00
Galax leaves, per 1000, $1 25		.15
Adiantum	.75@	1.00
Fancy ferns, per 1000, 1.50		
Smilax, per string, 10c @12½c		
Sweet peas		.50
Asters	1.50@	2.00
Auratum lilies, doz., 1.50		

Poehlmann Bros. Co.

Wholesale Growers of
and Dealers in Cut Flowers.
All telegraph and telephone orders given prompt attention.

Greenhouses: MORTON GROVE, ILL.
35-37 Randolph St., CHICAGO.

WIETOR BROS.,

Wholesale Growers of Cut Flowers
All telegraph and telephone orders given prompt attention.

51 Wabash Ave., CHICAGO.

J. B. DEAMUD CO.

Wholesale Cut Flowers,

51 and 53 Wabash Ave., CHICAGO.
Long Distance Phone Central 3155.
Consignments of Choice Flowers Solicited.

The Geo. Wittbold Co.

1657-1659 Buckingham Place, CHICAGO.

The only retail florist in Chicago who grows his own cut flowers.

FUNERAL WORK ORDERS, OUR SPECIALTY.

Be your own Commission Man

THE
FLOWER GROWERS' MARKET
furnishes the facilities.
See PERCY JONES, Mgr.
60 Wabash Ave., CHICAGO.

Vaughan & Sperry,

Wholesale Florists,

58 and 60 Wabash Ave., CHICAGO.

WRITE FOR SPECIAL PRICES.

Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO.
Telephone, Central 3284.

Please mention the American Florist when writing.

PETER REINBERG

Grower and Wholesaler of Cut Flowers.
1,200,000 feet of glass.
Headquarters for American Beauty.
51 Wabash Ave., CHICAGO.

Always mention the American Florist when you order stock.

KENNICOTT BROS. COMPANY

40-42-44 Randolph St., CHICAGO.

Our reputation has always been that we fill orders when others fail. All stock in season at Lowest Market Rates.

THE BENTHEY-COATSWORTH CO.

35 RANDOLPH ST. WHOLESALE FLORISTS CHICAGO.

Philadelphia.

BUSINESS PICKING UP.

As September progresses the demand for flowers takes several steps forward. Old familiar faces, customers of months ago, are seen in the stores and the sales in all lines are picking up considerably. There is plenty to supply the demand, however, all lines being full. American Beauty roses are quite plentiful and one of the first questions asked when one answers the numerous phone calls that come to the retailers daily is "How about Beauties?" "Send you two dozen dandies for a five spot," and from that down to $1.50 per dozen for 24-inch stems are current prices. Some very nice flowers with 3-foot stems were seen at a stand in Chestnut street last Saturday, offered at $1.50 per dozen. Other roses are showing better form, but this only applies to about 20 per cent. of them, the rest very short stemmed. Mildew is also appearing. Killarney and Richmond are coming in plentifully and promise to be strong factors in the market the coming season. Asters are still plentiful, but much of the stock reaches the market in bad condition from careless packing. Dahlias are now in first class shape. There is a good variety of colors and the quality of the flowers is all that can be desired. Prices range from $1 to $2 per 100. Many of the stores have commenced to stock up with plants, the Boston fern and its very sportive family being seen in all the windows. The newer sorts with fancy fronds all seem to have the fault of the Pierson in that they do not make shapely plants. The growers say, however, that later on when they have attained their growth they will overcome this objection.

NOTES.

John McIntire, who is well up in the wholesale and retail branches of the business, having had considerable experience in both lines, will open a commission house October 1 at the Philadelphia Wholesale Market, 1227 Filbert street. John is a hustler and his consignors will never have to find the fault that their stock did not get a chance to be seen by the trade likely to use it. Success to him.

The Robt. Craig Co. is very busy with its Ficus pandurata. This firm says it can not keep up with the orders for established plants in 6 to 8-inch pots at from $3 to $5 each. A lot of branched plants in larger sizes for the holiday trade will bring great money. A splendid lot of crotons, make-up plants, are also seen here.

Stewart McLean, son of Geo. McLean, of Youngstown, O., has succeeded Paul Klingspoon at the Rosary, Horace Dumont's new store. Mr. McLean has a youthful aggressiveness that should keep him to the fore and is in the right spot to make his talents count.

Ed. Reid was first in with Chrysanthemums, a good large yellow. Chas. Edgar is now one of the Reid staff and looks very familiar in his old position.

S. S. Pennock is back from a sea trip to Florida for his health. He seems much benefited.

Godfrey Aschmann was in Paris September 4.

K.

Boston.

MARKET VERY QUIET.

Anxiety and discouragement have been the lot of salesmen both in and out of the market the past week. The commission salesmen who are mostly stationed in the markets have been the hardest hit, and it is their opinion that the quietest week in years for flower tradesmen is the one just experienced Not that there was no stock to sell, but, on the contrary, there was a deluge of untold varieties of flowers for which there was absolutely no demand. Countless numbers of asters overwhelmed other stock, chiefly carnations and roses. The stage has been reached where goods are sold by the box regardless of the quantity contained. The beautiful weather now being enjoyed is in a large way responsible for the market conditions. It has been fair right along and unusually warm, more seasonable in July than September. Carnations, especially Fair Maid, are going to waste by the thousand. They for the most part are good flowers with very short stems and of but little use except for funeral work. Very few really good blooms are as yet on the market. The rose market is also too abundantly supplied; selling for hitherto unheard of prices, the only possible way to dispose of them. Almost entirely of new stock, they are generally small and very weak. There promises to be an ample supply this winter of the favorite Killarney, also of Richmond. Several large growers recognized the worth of a regular supply of these roses which were badly needed last season. American Beauty, Wellesley and Kaiserin continue to serve as the most satisfactory roses at the present, the first two varieties are exceptionally good for the early season. Bride and Bridesmaid are rapidly advancing to their usual prominence, but the general quality is inferior and valuable for funeral work only. Liberty, Chatenay and Carnot are also plentiful. A few good sweet peas are yet on the market, but for this class of flowers, lily of the valley and gardenias receive the preference. Lilium Philippinensis is eagerly sought, the limited supply going out fast. The quality of these lilies is excellent, causing considerable favorable comment for its growers.

NOTES.

A familiar face has returned to active business circles in the person of James Delay, one of the best known florists of Boston a generation ago. Of late years he has not been engaged in the flower business, but the name has been kept before the public by his enterprising sons. A very good site for the exclusive trade has been secured, the store being on the corner of Boylston and Dartmouth streets. It is being remodelled to suite the prospective tenant. Mr. Delay has the best wishes of the trade in his latest venture.

Wm. E. Doyle suffered some damage from water on account of a fire which broke out in the building which he occupies at 306 Boyleston street. The blaze, the cause of which is not known, was in a tailoring establishment on the second and third floors. The loss to all parties amounted to about $1,000.

On exhibition at Horticultural hall, September 15, was an excellent display of the products of children's gardens. Various cities were represented by the public schools and the success with which this innovation has met deserves the commendation of horticulturists in general.

The Henry M. Robinson Co. announce the arrival of the first shipment of new smilax. Their local trade is quiet but they are unusually busy shipping to customers all over the eastern states. Mr. Robinson is at present on a business trip through New England.

All possible haste is being used in adapting the building at 224 Devonshire street for an ideal wholesale cut flower establishment which, when completed, will be occupied by the old firm of Welch Bros. It is expected to be ready for the new tenants October 1.

The first violets of the season were brought to market September 15 by J. Dolan, of Brookline. Considering the early season for these favorite flowers, they were very good and, as is usual, for the first cut, were gobbled up quickly.

Thos. Heskey, formerly gardener to Lieut. Gov. Draper, has leased the estate of Norcross & Stratton, at North Grafton. He will make a specialty of growing carnations which will be shipped to the Music Hall Market.

J. Jansky, the wire frame manufacturer, who is located at the Music Hall Market, has increased his force by securing two more men. He is now the largest exclusive dealer in florists' frames in the city.

Anderson & Williams, rose growers of Waltham, have secured that able salesman, J. S. Manter, who will in the future handle their stock.

E. E. Fletcher, the popular salesman of the Music Hall Market, has returned from his vacation spent in the wilds of New Hampshire.

B.

Lenox, Mass.

The regular meeting of the Lenox Horticultural Society was held September 15, President S. Carlquist in the chair. Letters were received and read from the following firms, offering premiums for the chrysanthemum show: Howard & Morrow, Pittsfield, Mass.; Julius Roehrs Co., Rutherford, N. J.; C. H. Totty, Madison, N. J.; the Bay State Nurseries, North Abington, Mass.; and J. H. Harris. Votes of thanks were passed for the above. Mrs. Edith R. Wharton was unanimously elected a life member of the society and D. Hothersall an annual member. Everything promises finely for a successful chrysanthemum exhibition, as the chrysanthemums in this section are looking particularly good.

The annual chrysanthemum exhibition will be held in the town hall October 24 and 25.

G. F.

DAYTON, O.—The Montgomery County Horticultural Society met at the home of Walter Beck, September 5, with 125 members present and President Alpaugh in the chair. Harry Altick gave an interesting report on ornamental plants. Much attention was also given to a discussion of the San Jose scale.

DAHLIAS

The Best Stock Coming to the Market.

THE LEO NIESSEN CO.

WHOLESALE FLORIST.

Open From 7 A. M. to 8 P. M.

1217 Arch St., PHILADELPHIA, PA.

ASTERS.

The very finest Asters arriving in Pittsburg are to be seen at

THE PITTSBURG FLORISTS' EXCHANGE, Pittsburg, Pa.

CAN SUPPLY ANY AMOUNT, ANY COLOR.

VALLEY

Special Prices Made on Yearly Contracts.

RIBBONS AND FLORISTS' SUPPLIES.

Samuel S. Pennock, THE WHOLESALE FLORIST, PHILADELPHIA.

ASPARAGUS PLUMOSUS NANUS.

Cut Strings, 50 cents each.

W. H. ELLIOTT, Brighton, Mass.

THE

J. M. McCullough's Sons Co.

Wholesale Commission Florists.

CONSIGNMENTS SOLICITED.

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES, SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

Please mention the American Florist when writing.

C. A. KUEHN,

Wholesale Florist,

3122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

Please mention the American Florist when writing.

ROSES AND CARNATIONS

Pittsburg's Largest and Oldest Wholesalers.

PITTSBURG CUT FLOWER CO., Ltd.

504 Liberty Ave., PITTSBURG, PA.

Please mention the American Florist when writing.

Holton & Hunkel Co.

Wholesale Florists

Milwaukee, Wis.

Please mention the American Florist when writing.

H. G. BERNING,

Wholesale Florist

1402 Pine St., ST. LOUIS, MO.

Please mention the American Florist when writing.

Wholesale Flower Markets

PHILADELPHIA, Sept. 19.

Roses, Tea	3.00@ .400
" " extra	6.00@ 8.00
" Liberty	4.00@15.00
" Queen of Edgely, extra	16.00@25.00
" " " firsts	12.00@15 00
" Beauty, extra	16.00@25.00
" " firsts	12.00@15.00
Carnations	1.00@ 3.00
Lily of the valley	2 00@ 4.00
Asparagus, bunch	25 00@50.00
Smilax	20 00@25.00
Adiantum	.75@ 1.50
Cattleyas	.50@ .60
Gardenias	16 00@25.00
Gladiolus	2.00@ 5.00
Asters	.50@ 3.00
Dahlias	1.00@ 3.00

BOSTON, Sept. 19.

Roses, Beauty, best	12 00@25.00
" " medium	8.00@12.00
" " culls	1.00@ 4.00
" Bride, Bridesmaid	2.00@ 4.00
" Extra	6.00@ 8.00
" Liberty	6.00@25.00
Carnations	1.00@ 2.00
" Fancy	2.00@ 3.00
Lily of the valley	2.00@ 4.00
Smilax	8.00@12 00
Adiantum	.50@ 1 00
Asparagus	35.00@50 00
Sweet peas	.25@ .75
Pond lilies	2 00@ 4.00

BUFFALO, Sept. 19.

Roses, Beauty	5.00@25.00
" Bride, Bridesmaid, Meteor	3.00@ 8.00
Carnations	.50@ 2.00
Lily of the valley	3.00@ 4.00
Asparagus, strings	40.00@50.00
Smilax	15.00
Adiantum	.75@ 1.50
Lilies	3.00@15.00
Peas	.15@ .25
Water lilies	3.00@ 5.00
Gladiolus	1.00@ 3 00
Asters	.30@ 1.50

THE ART OF Floral..... Arrangement.

The first special newspaper in the world for floral arrangement.

250 ILLUSTRATIONS ANNUALLY.

Specimen number free.
Subscription, $2.40 yearly.

BINDEKUNST-VERLAG,
J. Olbertz, ERFURT, GERMANY.

Please mention the American Florist when writing

J. B. MURDOCH & CO.

WHOLESALE FLORISTS,

FLORISTS' SUPPLIES.

545 Liberty Ave., PITTSBURG, PA.

Please mention the American Florist when writing.

NOW READY

To fill orders for **American Beauties, Lily of the Valley, Carnations** and all varieties of **Tea Roses** in lots of one hundred to one thousand at short notice Get our prices before ordering elsewhere.

WELCH BROTHERS,
15 Province St., BOSTON, MASS.

Please mention the American Florist when writing.

Field-grown Carnation Plants. GOOD CLEAN STOCK. WRITE FOR PRICES.

ABSOLUTELY THE BEST POSSIBLE SERVICE.

W. E. McKissick

WHOLESALE FLORIST.

Business Hours 7 a.m. to 6 p.m.

1221 Filbert Street, PHILADELPHIA, PA.

Please mention the American Florist when writing

Nephrolepis Whitmani

2¼-inch, $25.00 100,

Boston Ferns 2¼-in. $3.00 per 100.

Henry H. Barrows & Sons, WHITMAN MASS.

Please mention the American Florist when writing

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants.

Market and 49th Sts. Philadelphia, Pa.

Please mention the American Florist when writing.

New York.

For a few days the market has been unsettled. The improvement noted for the first half of last week was somewhat shortened by bad business during the second half of the week. Recovery has not been very pronounced, still it may be said that business for the first half of the current week is on the whole satisfactory. Good stock in all lines cleans out well and favorably, and this fact makes a striking comparison with the avalanche of inferior stock which at all times confronts legitimate trade in this market. Growers within a radius of 30 miles, having products to cut, throw their stocks into the New York market without regard to quality, and, naturally the commission men have their work cut out to make returns. The amount of "trash" spread upon the counters of wholesale establishments at times seems to shock visitors from other market sections. Roses are steadily improving in quality and selections from the best of arrivals bring prices exceeding the quotations for ordinary stock. While roses continue scarce, and, although not bringing fancy prices on this account, wholesalers are able to use their holdings as a lever to force along the sales of the more plentiful pinks. American Beauty is not quite so plentiful as during last week, and quoted prices are firm. Lily of the valley is a good thing this week, and approaches the point of scarcity. Such stock as is arriving cleans out well and quickly. Asters were at the glut point last week, and Monday of this week saw arrivals not materially shortened. There was a little relief on Tuesday, but with the held-over stock a sacrifice was pretty general. Lilies sell well and are to be had in good summer quality. There is a good demand for the better sorts of carnations coming in. In the best grades qualities are much improved and both stems and flowers are noticeably better. Chrysanthemums and violets have both made an appearance, but nobody wanted them and they were sold for window displays, as are most things antedating a recognized season. Dahlias are freely offered, and clean out at some price or other as far as ordinary grades are concerned. Some of the better and more showy varieties are beginning to come in, and sorts like Century, in its different colorings, Bruton and others recognized as good cutting varieties, bring fair values. Cosmos is coming in well and seems to sell equally well.

NOTES.

Space has been accorded at the New York botanical gardens for the temporary storage and nursing of a number of plants, Abrus precatorius nobilis, which Prof. Joseph Nowack, Baron de Fridland, of Vienna, has brought here prior to their establishment in certain sections in weather bureaus. The professor declares that by means of these plants he is able to forecast atmospheric disturbances early and for a wider area than the regular government weather bureaus. The plants were collected in Mexico and Cuba.

The wholesale store of John Seligman & Co. has been newly painted and decorated, and a convenient and much needed office has been built near the entrance. Joseph J. Levy, a member of the firm, was married September 9 to Miss Woolrich, a lady well known in the wholesale trade, and left for a trip to Niagara Falls and other cities by the lakes.

Alvin Coon, of Rhinebeck, N. Y., was in town last week. He says the reports as to the prevalence of black rot in the violet district are very much exaggerated. The trouble is confined to a few establishments. Many of the growers, however, are troubled with gall fly, and this pest has done considerable damage to otherwise healthy stock.

Lecakes & Co. are receiving early shipments of wild simlax, and green galax. Geo. K. Kardeamonos, a member of the firm, is wearing smiles these days, in anticipation of the arrival in New York this week of his wife, after a separation of 14 years.

L. Allen, lately with James McManus, wholesaler on Twenty-eighth street, has started a business for himself in part of the quarters occupied by James Hart, at 103 West Twenty-eighth street.

The dahlia show and autumn exhibition of the American Institute will be held at the institute, 19-21 W. Forty-fourth street, September 25-27. Entries already made insure a good show.

The retail stores are dressing their windows to harmonize with the season. Oak branches are in demand, and groups of green plants are now enlivened with vari-colored crotons.

The windows of Traendly & Schenck are looking quite handsome just now, filled with fine plants of Adiantum Farleyense, which they are receiving from a grower in the south.

Gunther Bros., the Twenty-ninth street wholesalers, are receiving daily supplies of the finer sorts of dahlias from Herbert & Son, Atco, N. J.

Anton Schultheis, of College Point, L. I., is sending in to Joseph S. Fenrich, daily, some exceptionally fine lily of the valley and cattleyas.

Leventry the Florist, is the name appearing on the window of a new florist's store opened at 134 W. Twenty-third street.

Rowehl & Granz, of Hicksville, L. I., are sending in some large shipments of tritomas to J. K. Allen and A. J. Guttman.

Chrysanthemums have made their appearance, a white variety being seen at the store of J. K. Allen last week.

The first violets of the season arrived last week, a small shipment being received by Alex. J. Guttman.

The auction sales have commenced for the season, but the attendance has been exceedingly light.

Philip F. Kessler arrived in New York on Wednesday on S. S. Barbarossa.

Visitor: J. B. Deamud, Chicago.

COBLESKILL, N. Y.—Lewis S. Holmes has purchased the greenhouses of A. Goldring.

BUFFALO, N. Y.—Bids were opened by the park department September 5 for the superstructure of a propagating house to be built at Humboldt park, to be 80 feet long, with two 100-foot wings. The Lord & Burnham Co., of Irvington-on-the-Hudson, was the lowest bidder, offering to do the work for $8,215.

Washington.

BUSINESS RAPIDLY IMPROVING.

Business conditions are improving. Cabinet officers, members of the diplomatic corps and others who stand high in social life are returning from the various summer resorts to their city homes and in another month it is expected that trade will strike a lively pace. The quality of stock continues to improve, very fair Bridesmaid, Golden Gate, Killarney and other good commercial roses being on the market. Carnations are also showing all that can be expected of them at this season. Both roses and carnations will, however, be kept in the background while the dahlias and a rather unexpected rush of late asters are coming in. Dahlias, as a rule, are of poor quality, but being sold at low prices, displace better stocks.

NOTES.

A mild sensation has been created among dealers and growers by a stock of yellow chrysanthemums that are being handled by Geo. H. Cooke. They are of the variety Monrovia and the blooms are four and five inches in diameter. It has been seldom, if ever, that such fine blooms have been seen in this market so early in the season.

Alex. B. Garden has about completed the rebuilding of three carnation houses. This in addition to similar work done last year gives him a finely equipped range for growing cut flowers. This year, as in the past, he is growing a large amount of bulbous stock.

J. R. Freeman is pushing his new carnation houses to completion and when finished they will be almost indestructible. What won't burn or rot is pretty safe in this neck of woods, as earthquakes and cyclones seldom pass our way.

The American Rose Co. is sending in good stocks in cut lilies. This company has established quite a reputation as growers of lilies, both for cut and pot stock, and its Easter displays have come to be features of that season.

Geo. Field has been sending in a stock of the Thos. Field rose which Z. D. Blackistone says is the best summer rose on the market. Mr. Field having taken up Killarney is also showing a good stock of it.

F. H. Kramer is showing an abundance of good roses, noteworthy among them being Queen Beatrice. S. E.

ORCHIDS
Largest Importers, Exporters, Growers and Hybridists in the World.
SANDER, St. Albans, England.
NEW YORK OFFICE: Room 1, 235 Broadway. T. MELLSTROM Agent.
Please mention the American Florist when writing.

Orchids!
ARRIVED IN SUPERB CONDITION.
Cattleya Dowiana, C. gigas, C. Mossiæ, C. Percivaliana, C. Speciosissima, C. Eldorado, C. superba, C. labiata, C. Leopoldii, and many more. Write for prices.
Lager & Hurrell, SUMMIT, N. J.
Orchid Growers and Importers.
Please mention the American Florist when writing.

HORACE E. FROMENT, Wholesale, Commission,
Successor to William Ghormley.
Orchids, Roses, Carnations, Valley, Lilies, Etc.
57 West 28th Street, NEW YORK CITY.
Telephones 2200 and 2201 Madison Square.

Trade Directory

—OF THE—

UNITED STATES AND CANADA.

PRICE $2.00, POSTPAID.

American Florist Co., 324 Dearborn St., Chicago.

Choice Carnations. Selected Roses.

Traendly & Schenck

NEW YORK CITY,

44 W. 28th Street, Cut Flower Exchange.

New Telephone No. 798 & 799 Madison Sq.

Please mention the American Florist when writing

CARNATIONS

MY SPECIALTY

Consignments Solicited. Prompt Payments

Established 1891.

Alfred H. Langjahr, 55 W. 28th St., NEW YORK.

Telephone 3924 Madison Square.

Please mention the American Florist when writing.

Original Pioneer House—Established 1871.

JAMES HART

103 W. 28th St., NEW YORK.

Wholesale and Commission

Consignments solicited. Shipping orders promptly attended to. 'Phone 626 Madison.

Please mention the American Florist when writing.

FORD BROS.

Receivers and Shippers of

Fresh Flowers

48 West 28th St. NEW YORK.

Telephone 3870-3871 Madison Sq.

Please mention the American Florist when writing.

N. Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York.

Open for Cut Flower Sales at 6 o'clock Every Morning.

Desirable Wall Space to Rent for Advertising.

V. S. DORVAL, JR., Secretary.

The Best Way to Collect an Account

is to place it with the

NATIONAL FLORISTS' BOARD OF TRADE, 56 Pine St., New York.

Why? Because many debtors will pay the Board, fearing otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.

Adiantum Farleyense

I can quote splendid stock at from $2.00 per dozen up to $24.00 per dozen, in 2-inch to 6-inch pots. If you are looking for Farleyense, better write me about it.

CHARLES H. TOTTY,

Madison, N. J.

Please mention the American Florist when writing.

Wholesale Flower Markets

NEW YORK, Sept. 19.

Roses, Beauty best	10.00@20.00
" " medium	6.00@10.00
" " culls	1.00@ 4.00
" Liberty, best	3.00@ 7.00
" " culls	1.00@ 2.00
" Bride, Bridesmaid, G. Gate	.50@ 5.00
" Kaiserin, Carnot	1.00@ 6.00
Carnations	1.00@ 1.50
" fancy and novelties	1.50@ 2.00
Lily of the valley	1.00@ 3.00
Lilies	6.00@ 8.00
Smilax	6.00@ 8.00
Adiantum	.50@ 1.00
Asparagus	20.00@50.00

Thomas Young

WHOLESALE FLORIST.

43 West 28th St., NEW YORK.

Alex. J. Guttman

The Wholesale Florist of

NEW YORK.

Phone 1664-1665 Mad. Sq. 43 W. 28th Street.

Moore, Hentz & Nash,

Wholesale Commission Florists,

55 and 57 West 26th Street,

Telephone No. 756 Madison Square. New York.

N. Lecakes & Co.

53 W. 28th St., NEW YORK.

Tel. No. 1214 Madison Square

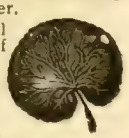
Stands at Cut Flower Exchange, Coogan Bldg., W. 26th Street & 34th Street Cut Flower Market. SPECIALTIES: Galax Leaves, Ferns and Leucothoe Sprays, Holly, Princess Pine and all kinds of Evergreens.

Green and Bronze Galax Leaves, $1.00 per 1000.

A. J. FELLOURIS,

J. J. Fellouris, Manager.

Wholesale and Retail Dealer in all kines of EVERGREENS, Fancy and Dagger Ferns, Bronze and Green Galax.



Telephone, 2675 Madison Square.

52 West 28th Street, NEW YORK.

George Cotsonas & Co.

Wholesale and Retail Dealers in all kinds of

Evergreens.

Fancy and Dagger Ferns, Bronze and Green Galax.

Phone 1202 Mad. Sq.

Main Store, 50 W. 28th St., NEW YORK.

—FLOWERS SHIPPED BY—

JOHN I. RAYNOR

Are the best product of the best growers for the New York Market.

Adiantum Croweanum sold here exclusively.

49 W. 28th St., NEW YORK.

Tel. 1998 Madison Square.

Please mention the American Florist when writing

Walter F. Sheridan,

WHOLESALE FLORIST,

Telephone 902 Madison Square.

39 West 28th St., NEW YORK.

Please mention the American Florist when writing.

J. Seligman. Joseph J. Levy

John Seligman & Co.

WHOLESALE FLORISTS

56 West 26th Street, NEW YORK.

OPPOSITE N. Y. CUT FLOWER CO.

Everything in Cut Flowers. Consignments from growers solicited. Prompt returns. Best prices. Satisfaction guaranteed. Tel. 4878 Madison.

Please mention the American Florist when writing.

PHIL. F. KESSLER

Wholesale Commission Florist

Telephones { 2921 / 5243 } Madison Square.

55 WEST 26th STREET,

Consignments solicited. Prompt payments. New York.

A. M. HENSHAW

Wholesale Commission Florist,

Consignments of first-class stock solicited. Out of town orders carefully and promptly filled.

Telephone 5583 Madison.

52 W. 28th St., NEW YORK

Please mention the American Florist when writing.

Receivers and Shippers of Cut Flowers. Consignments Solicited.

A. L. YOUNG & CO. Wholesale Florists . .

54 West 28th Street.

Telephone 3559 Madison Sq. NEW YORK.

THE KERVAN COMPANY,

20 West 27th St., NEW YORK.

Wholesale dealers in fresh cut Palmetto and Cycas Palm leaves, Galax, Leucothoe, Ferns, Mosses and all Decorating Evergreens.

J. K. ALLEN.

Wholesale Commission Florist.

106 West 28th St., NEW YORK CITY.

Open every day at 6:00 A.M. Tel. 167 Madison Sq.

IT IS NOT...

what you pay for the advertisement but what the advertisement pays you. It pays to advertise in the **American Florist.**

CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

William H. Donohoe, No. 2 West 29th St., (One Door Off 5th Ave.) NEW YORK.

PHONES: 3034 and 3035 MADISON SQUARE.

Write, wire or telephone your orders to the above. Personal attention assured.

The best is none too good. Prices always right. Send me your next order.

DETROIT.

JOHN BREITMEYER'S SONS

Cor. MIAMI and GRATIOT AVES.

DETROIT, MICH.

...Artistic Designs...

High Grade Cut Blooms.

Wa cover all Michigan points and good sections of Ohio, Indiana and Canada.

MILWAUKEE.

C. C. Pollworth Co.

MILWAUKEE, WIS.

Will take proper care of your orders in WISCONSIN.

INDIANAPOLIS.

Bertermann Bros. Co.

FLORISTS

241 Massachusetts Ave., INDIANAPOLIS, IND.

ST. LOUIS.

Fred. C. Weber,

FLORIST.

4320-4328 Olive St., ST. LOUIS, MO.

Established 1873. Bell, Lindell 676.

DENVER.

The Park ...Floral Co.

J. A. VALENTINE, President. DENVER, COLO.

OMAHA.

HESS & SWOBODA,

Florists,

1415 Farnam Street, Phone 1601 and L. 1682. OMAHA, NEB

Please mention the American Florist when writing.

DENVER.

FLORAL DESIGNS AND FLOWERS.

Best Quality on Shortest Notice.

DANIELS & FISHER, DENVER, COLO.

Order by mail, telephone, telegraph or cable. Cable address: "Daniels Denver."

LONDON PARIS BERLIN

A. Lange

Prompt Attention to STEAMSHIP ORDERS.

Main Address 40 East Madison Street, Heyworth Bldg. ...CHICAGO.

Agents in all Leading European Cities.

GUDE BROS. CO. FLORISTS 1214 F ST. N.W. WASHINGTON, D.C.

WASHINGTON, D. C.

Gude's.

CHICAGO.

P. J. HAUSWIRTH

Auditorium Annex, CHICAGO.

Mail, telegraph or telephone orders filled promptly in best style.

BUFFALO.

Palmer's

Buffalo, N. Y.

W. J. Palmer & Son, 304 Main St.

WASHINGTON.

GEO. H. COOKE,

FLORIST

Connecticut Avenue and L Street

WASHINGTON, D. C.

KANSAS CITY.

Samuel Murray

...FLORIST...

Coates House Conservatory

1017 Broadway, KANSAS CITY, MO.

Both 'Phones 2670 Main.

Write, Telephone or Telegraph. All orders given prompt attention.

KANSAS CITY.

GEO. M. KELLOGG,

936 Grand Avenue,

KANSAS CITY and PLEASANT HILL, MO.

Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

BROOKLYN, N. Y. NEW YORK.

Robert G. Wilson,

BROOKLYN, N. Y., Fulton St. and Greene Ave. NEW YORK, 48 W. 30th St.

Trade orders from all parts of the country filled for delivery at residence, steamer, hotel or theatre, on wholesale basis. Satisfaction guaranteed. Wire or telephone.

ALBANY, N. Y.

EYRES

Flowers or Design Work.

DELIVERED IN ALBANY AND VICINITY ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

ST. PAUL.

HOLM & OLSON,

ST. PAUL.

THE LEADING FLORISTS OF THE NORTHWEST

Orders will be well cared for anywhere in Minnesota and the Dakotas.

GALVESTON.

Mrs. M. A. Hansen,

—FLORIST—

Galveston, Texas.

Special attention given to Telegraph or Telephone Orders. 'Phone 1912.

JACKSONVILLE.

MILLS THE FLORIST,

36 W. Forsyth Street,

JACKSONVILLE, FLA.

WASHINGTON.

Mayberry & Hoover

Florists and Decorators

1339 Fourteenth St., Northwest

Telephone North 508. WASHINGTON, D. C.

New Orleans

CUT FLOWERS

For Tourists and General Trade.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, 838 CANAL ST.

COLUMBUS.

The Livingston Seed Co.

FLORISTS

Cover All Ohio Points. 114 North High St.

AFTER-THOUGHTS OF THE CONVENTION.

The Fall Season is at hand. Are you **thinking** of the **best** place to purchase your Fall and Winter supply of the **best quality?** The **A. L. Randall Co.** will give you a **square deal.** Let us have **ALL** your business this season and **you** will **not regret it.** Correspondence solicited

A. L. RANDALL CO., Wholesale Cut Flowers and Florists' Supplies, 19-21 Randolph Street, CHICAGO.

It is a cast-iron rule with us to give our patrons ALL that they pay for.

The Cleveland Cut Flower Company,

WHOLESALE CUT FLOWERS, FLORISTS' SUPPLIES, WIRE DESIGNS.

215 Huron Road, CLEVELAND, OHIO.

Cut Flowers or Designs

Will be delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

NEW YORK.

Alexander McConnell

IN NEW QUARTERS.

571 Fifth Avenue, Windsor Arcade, NEW YORK CITY

TELEGRAPH orders forwarded to any part of the United States, Canada and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive our prompt attention.

Telephone Calls: 487 and 488 38th Street.
Cable Address: ALEXCONNELL.
WESTERN UNION CODE.

Please mention the American Florist when writing.

MOBILE.

Chatogue Greenhouses

MOBILE, ALA.

TWO ACRES UNDER GLASS. ONLY HIGH CLASS FLORAL WORK SOLICITED.

Orders to be delivered at short notice in or near Mobile or New Orleans will be executed with fresh stock from our mammoth plant by our own artist at Mobile, or **Mr. U. J. Virgin, New Orleans.** Orders by telegram at our expense. Address

F. P. DAVIS, Mobile, Ala.

Reference, R. G. Dunn & Co.

ST. LOUIS.

Theodore Miller

FLORIST,

Long Distance Phone, Bell, Forest 56, Kinloch, Delmar 201. **4832 Delmar Boulevard, ST. LOUIS, MO.**

Please mention the American Florist when writing.

DAYTON, O.

Matthews,

FflorIST,

6 W. 3rd St., DAYTON, O.

LOUISVILLE.

JACOB SCHULZ, 644 Fourth Ave., LOUISVILLE, KY.

Cut Flowers of BEST QUALITY in season delivered promptly to any address.

Write, Telegraph or Telephone.
Cumberland and Home Phones 223 and 984.

ATLANTA.

ATLANTA FLORAL CO.

41 Peachtree Street, ATLANTA, GEORGIA.

20,000 FIELD CARNATIONS.

Bushy, large plants, grown on new ground.

Boston Market, White Cloud, Norway, Flora Hill, Joost and Genivieve Lord, $5.00 per 100; $45.00 per 1000. Splendid, healthy stock; exceptional value.

CLEARANCE SALE OF ROSES.

Bride, Maid, Richmond, Chatenay, strong, clean, 3-inch, $4.00 per 100; $35.00 per 1000. 2¼x3 inch., Bride and Maid only, $2.00 per 100. Strong, 3-inch **SMILAX,** 3 times cut back, good for early strings, $3.00 per 100. 2¼-inch, $2.00. **PLUMOSUS,** 2-inch, $3.00; 5-inch $25.00.

W. H. GULLETT & SONS, Lincoln, Ill.

ASPARAGUS

	Per 100
Plumosus Nanus, 2¼-in. pots	$2.00
$18.00 per 1000.	
Plumosus Seedlings	1.00
Sprengeri, 2¼-in	2.00

PRIMROSES

	Per 100
Obconica Rosea and Alba	2.00
CANNAS, 5 var., field clumps	15.00
PANSY PLANTS, Oct. 1	$3.00 per 1000; .50
VINCA VAR., from field, Oct	5.00

——CASH PLEASE.——

JOS. H. CUNNINGHAM, Delaware, Ohio.

A Few Good Things You Want.

Cash with Order.

Dracaena Indivisa, 4 and 5-inch, $10.00 and $25.00 per 100.
Asparagus Plumosus, 2-in., $3.00 per 100.
Asparagus Sprengeri, 2-inch, $2.50 per 100.
Geraniums, S. A. Nutt, Castellane, John Doyle, Perkins, Poitevine and Double Gen. Grant, La Favorite, Mme Saleroi, 2-in. pots, $2.00; 3-in. pots, $4.00 per 100. Rooted cuttings, $1.00 per 100
Rex Begonia, nice plants, 2 and 2½-inch, $5.00 per 100.
Boston Ferns, 5-inch, 30c each.
Pierson Ferns, 5-inch, 50c each.

GEO. M. EMMANS, NEWTON, N. J.

Please mention the American Florist when writing

Steamship Sailings.

WEEK ENDING SEPTEMBER 29.

Sep. 25, Wil. der Grosse, Bremen-N. Y.
Sep. 25, Carmania, New York-Liverpool.
Sep. 25, Caronia, Liverpool-New York.
Sep. 25, Carpathia, New York-Naples.
Sep. 25, Barbarossa, New York-Bremen.
Sep. 26, Noordland, Liverp'l-Philadelphia
Sep. 26, Baltic, New York-Liverpool.
Sep. 26, Oceanic, Liverpool-New York.
Sep. 26, Lake Man., Liverpool-Montreal.
Sep. 26, Statendam, N. Y.-Rotterdam.
Sep. 27, Numidian, Montreal-Glasgow.
Sep. 27, La Savoie, New York-Havre.
Sep. 27, Arabic, Boston-Liverpool.
Sep. 27, Kensington, Liverpool-Mont.
Sep. 27, Hellig Olav, N. Y.-Copenhagen.
Sep. 27, Amerika, New York-Hamburg.
Sep. 27, K. Augusta Vic., Hamburg-N. Y.
Sep. 28, Virginian, Montreal-Liverpool.
Sep. 28, Victorian, Liverpool-Montreal.
Sep. 28, Parisian, Boston-Glasgow.
Sep. 28, Laurentian, Glasgow-Boston.
Sep. 28, Republic, Liverpool-Boston.
Sep. 28, China, San Fran.-Hong Kong.
Sep. 29, Astoria, New York-Glasgow.
Sep. 29, Furnessia, Glasgow-New York.
Sep. 29, St. Louis, N. Y.-Southampton.
Sep. 29, St. Paul, Southampton-N. Y.
Sep. 29, Westernland, Phila.-Liverpool.
Sep. 29, Lucania, New York-Liverpool.
Sep. 29, Campania, Liverpool-New York.
Sep. 29, La Gascogne, New York-Havre.
Sep. 29, La Bretagne, Havre-New York.
Sep. 29, Southwark, Mont.-Liverpool.
Sep. 29, Lake Erie, Montreal-Liverpool.
Sep. 29, Noordam, Rotterdam-New York.
Sep. 29, Konig Albert, New York-Genoa.
Sep. 29, Fried. der Grosse, Bremen-N. Y.
Sep. 29, Kroonland, Antwerp-New York.
Sep. 29, Finland, New York-Antwerp.

CARNATIONS.

The finest, healthiest lot of field-grown plants in the Middle West, mostly planted out of 2½-inch pots. Flamingo, Prosperity, Wolcott, Harlowarden, $6.00 per 100; $50.00 per 1000. Norway, $4.00 per 100; $30.00 per 1000.

FERNS Boston from bench, ready for 4 and 5-inch pots, $10.00 and $15.00 per 100 respectively.

ASPARAGUS.

Heavy, 2½-inch, plants, ready for a shift. Sprengeri, extra fine, 3.00 per 100; 25.00 per 1000 field-grown clumps, $6.00 per 100.

JERUSALEM CHERRIES, 3½-inch, now in bloom at $4.00 per 100. These plants are ready for 5-inch

J. W. DUNFORD,

CLAYTON, MO,

Please mention the American Florist when writing.

Lilium Harrisii

FOR XMAS FORCING.

Well ripened and carefully graded bulbs.

5 to 7 Inches,

Per 100.....$4.50; per 1000.....$40.00

VAUGHAN'S SEED STORE,

84-86 Randolph St., CHICAGO. **14 Barclay St., NEW YORK.**

CYCLAMEN

Giant strains, in separate colors, 3-in. pots, at $6.00 per 100

SIEBRECHT & SON,

NEW ROCHELLE, N. Y.

Please mention the American Florist when writing

CARNATION PLANTS Extra fine, Field-grown.

Enchantress, $6.00 per 100; Joost, Prosperity, Wolcott, new Daybreak, $5.00 per 100. Terms cash.

M. J. SCHAAF, Dansville, N. Y.

The Seed Trade.

American Seed Trade Association.
H. W. Wood, Richmond, Va., Pres.; C. S. Burge, Toledo, O., First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas. Twenty-fifth annual convention at New York, 1907

STANDARD varieties of musk melon seed will be short.

J. E. NORTHRUP is recovering from a recent surgical operation.

IMPORTED forcing radish will be high in price and the germination poor.

WESTERN sweet corn promises very well—a good crop of excellent quality.

VISITED CHICAGO: C. M. Massie, Minneapolis, Minn.; R. W. Pommer, of D. I. Bushnell & Co., St. Louis, Mo.

CHAS. D. BOYLES, of the Albert Dickinson Co., has posted his Chicago Board of Trade membership for transfer.

MANY seedsmen are doing considerable worrying about the lithographers' strike, some of the principal firms in that line refusing business.

ONION SETS are firm, with the Louisville prices advanced somewhat. The Nebraska acreage was considerably over that of last year, with an average crop.

SEEDSMEN of the United States imported seeds to the value of $5,388,043 during the fiscal year ending June 30, 1906, as compared with $3,457,619 in 1905.

CUCUMBER seed, based on this year's crop, should bring a high price. Prices, however, will depend chiefly on how the large holders of carried over seed let go of their supply.

ALEX. HENDERSON, of Vaughan's Seed Store, Chicago, will leave with his family early next week, probably September 24, for Scotland, where they will spend a few weeks' vacation.

PARIS, September 5.—Owing to the protracted drought and great heat we have experienced this year crops are very disappointing, many plants being severely wilted. Young plants for next year are suffering seriously and the growers are quite discouraged.

COLUMBUS, O.—F. G. Johnson, who has been connected with the Livingston Seed Co. for many years, has resigned his position as secretary and treasurer owing to failing health. It is pleasing to note, however, from late reports that he is improving and with proper rest and care will be entirely well again in a short time. Josiah Livingston has been chosen to fill the office of secretary and treasurer.—CARL.

5,400 ACRES OF GARDEN SEEDS IN CULTIVATION.

Braslan Seed Growers Co.

WHOLESALE SEED GROWERS.

SAN JOSE, CALIFORNIA

THE JEROME B. RICE SEED CO., Cambridge, N. Y., has issued its annual onion crop report. We note that the acreage is 18,194 as compared with 17,230 last year, with a yield of 272 bushels per acre, as compared with 250 in 1905. Iowa produced the heaviest yield per acre, Minnesota and New Jersey following in the order named. The states producing the greatest quantity of onions in the order named are Ohio, Indiana and New York.

Chas. S. Burge.

We present herewith the portrait of Chas. S. Burge, vice-president of the American Seed Trade Association. Mr. Burge was born at Maumee, O., in 1868, and located in Toledo in 1882. In 1884 he entered the employ of S. W. Flower in the seed business, of which concern he has had the active management since 1892. The house of S. W. Flower & Co., was established in 1868 and since its inception has been among the most progressive in the country. The members of the firm are Stevens W. Flower and Mr. Burge, but the former takes no active part in the business of the concern. Mr. Burge is also vice-president of the Dayton Dollar Savings Bank & Trust Co., president of the Standard Paper Box & Printing Co., and director of the Toledo Produce Exchange, of which he has been a member since 1888.

Chas. S. Burge.
Vice President American Seed Trade Association.

American Seed Trade Association.

SPECIAL COMMITTEES, 1906-7.

National Board of Trade.—W. Atlee Burpee, Albert McCullough.

National Council of Horticulture.—J. C. Vaughan, C. E. Kendel.

Merchants' and Manufacturers' Association.—Geo. B. McVay.

Seed Legislation.—S. F. Willard, F. W. Bolgiano, C. N. Keeney, O. H. Dickinson, W. Atlee Burpee.

Weights and Measures.—S. G. Courteen, A. H. Goodwin, L. L. Olds, J. Chas. McCullough, W. G. Scarlett.

Customs and Tariff.—W. P. Stokes, Alex. Forbes, S. F. Leonard, J. E. Northrup.

Postal Laws, etc.—C. N. Page, J. T. Buckbee, E. L. Dungan, W. T. Fonda, H. L. Holmes.

Experiment Stations.—W. D. Ross, S. E. Briggs, L. L. Morse, H. M. Schisler, R. Nicholson.

Government Seed Distribution.—C. F. Wood, Jerome B. Rice, E. L. Page, L. L. May.

Transportation.—Geo. S. Green, J. G. Peppard, L. W. Pommer, J. J. Buffington, G. B. McVay.

Registration Bureau.—W. Atlee Burpee, S. F. Willard, Watson S. Woodruff, C. Cropp, H. W. Wood.

Seed Adulteration.—Albert McCullough, Henry Nungesser, Geo. S. Green, C. S. Burge, Alex. Forbes.

Color Scale.—Burnet Landreth, J. C. Vaughan, W. Atlee Burpee.

Stock Catalogues.

Of the many signs of improvement in the nursery and seed trades, few are more self-evident than those to be noted in the catalogues issued by both branches. We can remember the time when price lists were issued about once in three years, and were then literally "lists;" that is, merely the names and prices of goods stocked, with few or no descriptions or cultural details, and without any attempt whatever at embellishment by printer or binder.

Then came the first crude attempts at illustration with rough woodcuts, followed by rapid improvement in style and get up, with a deplorable deterioration in manner; as all the leading firms vied with each other in gaudy flowers and fruits of impossible size and colors, swedes and mangolds of which about three would fill a cart, and other similar lying absurdities of which the authors would not now probably care to be reminded. One great cause of advance has been the wonderful improvements in photography and process work, of which full advantage has been taken by our up-to-date houses, with the result that many of the best lists issued are really objects of art. Illustrations now do really illustrate, and are, as a rule, not only admirable artistically, but convey accurate and honest impressions of the article shown. Growers do not naturally choose their worst specimens as illustrations, but there is a gratifying absence of the gross exaggeration (to put it mildly) so common twenty years ago. With all this praiseworthy improvement, there is still room for criticism in some directions. While the more important firms spare no expense or trouble to make their catalogues a credit to, and a recommendation of their establishments, too many of those in a smaller way are content to rub along with what is known as a "stock catalogue."

As seed, bulb and tree seasons come round, the printer who goes in for horticultural work prepares (with the aid of some out of work gardener or other expert?) a list complete, with exception of title page, which is left to be filled with name and address of the purchaser. This is sold to those members of the trade who lack the time and ability to prepare their own, or to whom the expense of a catalogue of their own is prohibitive. The saving in first cost of both time and money is, of course, considerable, but whether the system is economincal in the long run is quite another matter. A stock list compiled by an outsider is a cold, colorless thing, which really appeals to no one. Its cultural directions must, even when fairly correct, be very vague and general; otherwise they could not apply even approximately to north, south, east, and west of the country alike; and they are also wanting in that personal note which is the motive power of written instructions. A few lines which are the result of your own experience and knowledge of local conditions, added to the ordinary technical information, will influence your customer more than a page of compilation.

Much to the same effect might be said of the difference between a picture from a photo of your taking, or of some of your best plants, fruits, or flowers, and that of the block which has done duty so long that familiarity has bred contempt. Some plead want of time or literary ability for the work. The first excuse merely shows lack of appreciation of its real importance, other-

wise time would be found or made for it. As to the second, though we admire what we have so long called "Queen's English," we are still of opinion that literary style is not everything. Given practical knowledge and a love of the subject (and no man is fit for our business without the latter), the writer may impart his information in such a way as to benefit the reader and his own trade, without any pretensions to artistic style. We have in mind one catalogue, the phraseology of which follows no conventional rules, and at times raises a smile; but the reader is never in doubt as to the meaning, and the practical knowledge and sound sense shown attract the reader and lead to business.

Our advice to beginners and those in a small way is to aim at having a catalogue of your own as soon as possible, and if you cannot run to a fat volume, make it small, but as good in paper, printing, and contents as you can. Don't crib from your neighbor matter which he has probably cribbed from some one else, and which is stale and trite, but let your catalogue be a personal communication between you and your customer, actual or prospective. It is well also to remember that a good catalogue, like Rome, was never built in a day, nor yet in one year. Try as you will, your first edition (not to mention later ones) will contain errors and omissions by the dozen, and there is only one way by which it is possible to approach perfection. This method is to keep a copy, interleaved with blank sheets, always in the desk before you, in which you can note additions, alterations, and improvements from day to day as they crop up. If jotted down as they occur these are ready for inclusion at the annual revision, otherwise a large proportion is forgotten and lost. Treated in this way, a catalogue evolves towards perfection; and though this can never be reached, still it is something not to be ashamed of, and will prove a far more effective factor in bringing grist to the mill than the best "stock" article which was ever placed on the market.—Horticultural Advertiser.

PANSIES.

International, fine strain: **English Prize, Parisian,** finely variegated and shaded; also **Giant Trimardeau,** all colors and striped: also **Odier,** beautifully spotted.

$3.00 per 1000; **50c** per 100. by mail.

F. A. BALLER, Bloomington, Ill.

Please mention the American Florist when writing.

BURPEE'S SEEDS PHILADELPHIA.

Wholesale Price List for Florists and Market Gardeners.

Please mention the American Florist when writing.

Araucaria Imbricata FRESH SEEDS

Just received from Araucania, direct importation. Splendid conditions. Complete success. **The Most Attractive Hardy Tree.** Very convenient for avenues, alleys, parks, pleasure grounds, colonies, etc. Price, packing free, $10.00 per 1000.

JULES VAN MOL, BRUSSELS, BELGIUM. Rue Goffart 27,

Please mention the American Florist when writing.

J. STAER, Nurseryman and Seedsman,

WAHROONGA, New South Wales, AUSTRALIA.

Collector of Australian and Island Seeds and Plants. Palms, Ferns, Platyceriums, Orchids, Eucalyptus, ornamental trees and shrubs.

PALM SEEDS.

	Per 1000		Per 1000
Kentia Forsteriana	$1.25	Livistona Australis	.50
" Belmoreana	1.25	Bacularia Monostachya	1.50
" Canterburyana	3.00	Calamus Muelleri	1.50
" Moorei	12 00	Gymnostachys Anceps	2.00
Areca Baueri	1.00		
Seaforthia Elegans.	.50		

TREE SEEDS.

Castanospermum Australe.....$5.00 per 1000
Araucaria Excelsa ..... 1.25 per 1000

Please mention the American Florist when writing.

I FORCE BULBS MYSELF

and have found out by hard knocks which pay and which don't.

I would like you to try a few hundred of my

La Reine Tulips

in comparison with those you have bought elsewhere, I think I would get your import order for next year. The price is a little high, but—— Per 100, $1.25; per 1000, $9.00.

Perhaps you would be interested in some other bulbs and seeds I have. Write me.

Large White Calla Bulbs.

SOUND AND WELL RIPENED. Only a few left.

	Per 100		Per 100
1¼ to 1½ in. diameter	$4.75	2 to 2½-in. diameter	$10.00
1¾ to 2 in. diameter	6.75	Monsters	12.00

Stokes Seed Store.

Walter P. Stokes, of the late firm of Johnson & Stokes. **219 Market Street, PHILADELPHIA.**

Please mention the American Florist when writing.

...ANNOUNCEMENT...

HJALMAR HARTMANN, of the firm of

Hjalmar Hartmann & Co., Copenhagen, Denmark,

Wholesale Growers and Specialists in Danish

CAULIFLOWER AND CABBAGE SEED,

begs to inform the seed trade that he is now on his annual visit to the States, and invites correspondence. Address **31 BARCLAY ST., NEW YORK.**

Please mention the American Florist when writing.

PACIFIC SEED GROWERS' CO.

109 MARKET STREET

SAN FRANCISCO, CAL.

Specialties:

Onion, Carrot, Lettuce, Sweet Peas

Please mention the American Florist when writing.

NOW ARRIVING

DUTCH BULBS

HYACINTHS, TULIPS, NARCISSUS.

Write for copy Fall Florist List. Just issued.

VAUGHAN'S SEED STORE,

CHICAGO. NEW YORK.

MICE PROOF SEED CASES.

SEND FOR BOOKLET.

HELLER & CO., Montpelier, O.

Please mention the American Florist when writing.

BULBS Now READY.

Right Prices. Best Quality.

		Per 100	1000
White Roman	**Hyacinths,** 12-15	$2.50	$23.00
Dutch "	" named	2.00	17.50
" mixed	" in colors	2.50	22.50
" named	" 1st size	6.25	60.00
"	" 2nd size	4.25	40.00
Tulips, single, mixed, separate colors		1.00	8.50
" " extra fine mixed		.90	7.50
" " fine mixed		.75	6.00
Tulips, double, mixed, separate colors		1.15	10.00
" " extra fine mixed		1.00	8.50
" " fine mixed		.85	7.00
Narcissus, Von Sion, double nosed		2.25	20.00
" " 1st size		1.60	14.50
" " " 2nd size		1.25	10.00
Paper White Narcissus		.90	8.00
" " grandiflora, extra		1.25	10.00
Calla Lilies, 1½-2 in. diam		6.00	55 00
" " 2-3 in. diam		10.00	95.00
Freesias, ¾-in. diam		.85	7.50
" mammoth bulbs		1.25	10.00

All other bulbs in season.

Ask for prices. We can interest you.

PERENNIAL GARDENS CO.,

TOLEDO, O.

Please mention the American Florist when writing

The Nursery Trade

American Association of Nurserymen.
Orlando Harrison, Berlin, Md., President; J. W Hill, Des Moines, Ia., Vice-President; George C. Seager, Rochester N. Y., Sec'y. Thirty-second annual convention, Detroit, Mich., June, 1907.

"I am going to plant a hickory tree
And then, when I'm a man,
My boys and girls will come and eat
Just all the nuts they can."

THE value of nursery stock reported by the growers and dealers of the United States during the fiscal year ending June 30, 1906, was $1,600,683 as compared with $1,512,066 in 1905.

IN summarizing a recent test of sprays for the San Jose scale at the West Virginia experiment station it is stated that of the four spraying materials used Target Brand Scale Destroyer and Kil-o-Scale gave the best results, being practically identical.

American Association of Nurserymen.

President Harrison has appointed committees of American Association of Nurserymen to serve during his term of office as follows:

Committee on transportation.—W. C. Reed, Vincennes, Ind.; Jas. McHutchison, New York; J. C. Miller, Rome, Ga.; Howard Davis, Baltimore, Md.; E. S. Welch, Shenandoah, Ia.

Committee on tariff.—J. C. Hale, Winchester, Tenn.; E. Runyon, Elizabeth, N. J.; Wm. H. Moon, Morrisville, Pa.; J. H. Skinner, Topeka, Kans.; Fred Green, Perry, O.

Committee on legislation.—R. C. Berckmans, Augusta, Ga.; Wm. Pitkin, Rochester, N. Y.; Hon. N. W. Hale, Knoxville, Tenn.; Peter Youngers, Geneva, Neb.; W. T. Hood, Richmond, Va.; Prof. John Craig, Ithaca, N. Y.; J. W. Hill, Des Moines, Ia.

Committee on uniform inspection.—R. C. Berckmans, Peter Youngers, Prof John Craig.

Committee on programme.—Judge Eugene Stark, Louisiana, Mo.; Chas. J. Brown, Rochester, N. Y.; Herbert Chase, Huntsville, Ala.

Committee on publicity.—J. M. Irvine, St. Joseph, Mo.; John C. Chase, Derby, N. H.; H. D. Simpson, Vincennes, Ind.

Committee on exhibits.—Thos. Meehan, Dreshertown, Pa.; H. P. Kelsey, Boston, Mass.; E. P. Bernardin, Parsons, Kans.; J. Woodward Manning, Reading, Pa.; Henry Chase, Huntsville, Ala.

National Council on Horticulture.—Chas. J. Maloy, Rochester, N. Y.; Chas. T. Smith, Concord, Ga.

Committee on arrangements.—Chas. A. Ilgenfritz, Monroe, Mich.; Chas. Greening, Monroe, Mich.; Geo. S. Josselyn, Fredonia, N. Y.; Nelson Bogue, Batavia, N. Y.; John Morey, Dansville, N. Y.

Committee on editing report.—J. Horace McFarland, Harrisburg, Pa.; O. G. Chase, Geneva, N. Y.; Geo. C. Seager, Rochester, N. Y.

BELFAST, ME.—Willis E. Hamilton has begun building a rose house, 32 x 62 feet.

Los Angeles, Cal.

H. C. Rising and G. S. Dunscomb, of this city and Hollywood, respectively, have purchased the Ocean Park Nurseries of E. J. Vawter and will make considerable improvement in the business. The place has undergone a general cleaning up and much of the stock has been already overhauled. Mr. Rising has been an active florist and nurseryman in this city for several years and is a pusher. All those who are acquainted with the members of the new concern predict that they will do a prosperous business.

Edw. H. Rust, located for several years at 440 S. Broadway, has moved out to Eleventh and Flower streets where he has secured a long time lease on a quarter of a block. This will give him more commodious quarters. He is stocking up from his large assortment of plants in South Pasadena.

The Redondo Floral Co., which sold all its real estate to the Pacific Electric R. R. Co., has given up the idea of selling its store and is again stocking up. A. F. Borden remains as superintendent.

Several new nurseries are being started here. The latest is that of Geo. Ely at 1518 W. Thirty-ninth street. Mr. Ely was formerly gardener to Stephen Dorsey.

Chas. W. Reimers, formerly of Louisville, Ky., is in the city considering the prospects of locating here.

LOS ANGELES, CAL.—S. R. Lundy, formerly of Pueblo, Col., later with Frank Pelicano & Co., San Francisco, until the earthquake, has taken a position as head designer with J. W. Wolfskill, this city, Miss Seibert, who has held the position for years, retiring to start a business of her own in Fresno, Cal. Mr. Lundy has been with the B. C. Morris Floral Co., Salt Lake City, since the earthquake.

TREES AND SHRUBS.
We make especially low prices on **Nursery Stock** to Parks, Cemeteries, etc. Wholesale price-list on application. We carry immense quantities of the finest named varieties of **PEONIES.**
PETERSON NURSERY 503 W. Peterson Ave. CHICAGO, ILL.

PAEONIAS For September Delivery.
We are booking orders **NOW** from a large and well-assorted stock, carefully selected from hundreds of varieties tested. All have bloomed with us, and we guarantee them true to name. Send for special list, with prices.
——We are headquarters also for——
ROSES, CLEMATIS, AMPELOPSIS and HYDRANGEAS.
Use printed stationery. We sell at wholesale only.
JACKSON & PERKINS CO., Newark, Wayne County, New York

Climbing Clothilde Soupert, Marie Pavic, Crimson Rambler and Dorothy Perkins **ROSES**
Grafted Oranges and Kin Kans. Palms, Biota Aurea Nana, Conifers and other stock for Florists and Nurserymen,
IN IMMENSE QUANTITIES.
400 acres in Nurseries. 60,000 feet of glass. Catalog on application.
P. J. BERCKMANS CO. (Inc.) Fruitland Nurseries
Established 1856. **AUGUSTA, GA.**

FALL SPECIALTIES.
PEONY, Dorchester, (Richardson). Latest and best paying, clear pink Peony. $25.00 per 100 for strong, 3 to 5 eye divisions.
PEONY, Queen Victoria. One of the largest blocks of this popular white to be found. $12.00 per 100; $100.00 per 1000. for strong, 3 to 5 eye divisions.
FORCING GRADE OF FIELD-GROWN ROSES. Home-grown, low-budded plants, selected for pot culture: Magna Charta, Crimson Rambler, Paul Neyron, Dorothy Perkins, etc., $12.00 yer 100; $100.00 per 1000.
HYDRANGEA, Hortensia and Otaksa. Bushy young plants with several flower shoots; good for 6 to 7-inch pots: $12.00 per 100. Extra heavy specimens for 10 to 12-inch pots or tubs. $60.00 per 100.
DRACAENA INDIVISA. Field-grown, 5-inch, $15.00 per 100; 6-inch, $25.00 per 100.
CHRISTMAS PEPPER. Set with young fruits, 4-inch pots, bushy: $12.00 per 100.
PRIMULA, Chinensis. Strong, 2½-inch, $3.00 per 100.
PRIMULA, Obconica Grandiflora. 2½ inch, $2.50 per 100.
Send for Catalogue No. 5 for full list of Bulbs, Seeds, Palms, Ferns, Araucarias, etc.
THE STORRS & HARRISON CO.
PAINESVILLE, - OHIO.

D. and C. Roses Are the cheapest because they are the best. We have in stock over 1,000 varieties on own roots including all the New European and American varieties of merit, as well as all the old varieties. All sizes from 2½-inch pots up. We can also offer 40 of the leading and newest varieties of Cannas including Mont Blanc, also miscellaneous lists of Plant and Shrubbery, at prices that will make it worth your while to send us your lists for quotations before buying elsewhere. Send for a copy of Our New Guide to Rose Culture, for 1906, a handsome book of 116 pages. Free for the asking.

The DINGEE & CONARD CO., West Grove, Pa.
Established 1850. 70 Greenhouses.

Please mention the American Florist when writing.

LARGE TREES.
OAKS and MAPLES.
PINES and HEMLOCKS.
ANDORRA NURSERIES,
Wm. Warner Harper, Prop.
Chestnut Hill, PHILA, PA

Send to **THE MOON Company**
For Your } **Trees, Shrubs, Vines and Small Fruits.**
Descriptive Illustrated Catalogue Free
THE WM. H. MOON CO.,
Morrisville, Pa.

PEONIES.
Queen Victoria (Whitleyii), per 100....$ 9.00
Festiva Maxima, per 100..... 30.00
Fragrans, "Late Rose"..... per 100. 6.00
Large stock of M. L. Rhubarb and Lucretia Dewberry Plants.
For 1000 rates and other varieties, write
GILBERT H. WILD, Sarcoxie, Mo.

Special offer of PEONIES
For September
Florists' assortment of six choice proved kinds, **named,** including Queen Victoria and Delicatissima, all colors from white to crimson, for $8.00 per 100, $75.00 per 1000. Packed free.
Write for catalogue.
F. A. BALLER, Bloomington, Ill.

Jacs Smits, Ltd. NAARDEN, (Holland.
GROWERS OF
Rhododendrons, Axaleas, pot grown Shrubs for forcing, Lily of the Valley, Spiræa, Paeonias, Roses, Climbing Plants, good varieties of Conifers and all ornamental stock.
Personal Inspection Cordially Invited.
R. R Depot, NAARDEN-BUSSUM, near Amsterdam.
Price list free on demand.
Please mention the American Florist when writing

ROSES, 2½-Inch **STRONG PLANTS.**
Crimson Rambler and other varieties.
$2.00 per 100; $15.00 per 1000.
C. M. NIUFFER, SPRINGFIELD, OHIO.
Please mention the American Florist when writing.

101 Sorts **ROSES** Best **101**
Now shipping from 2½-in. and 4 in. pots.
SEND for fall price us your want **LIST**
THE LEEDLE FLORAL COMPANY® SPRINGFIELD-OHIO.
Please mention the American Florist when writing.

FANCY PEONIES.
100 Varieties. Catalog Free.
C. & M. WILD, R. F. D. No. 1 SARCOXIE, MO.
Please mention the American Florist when writing.

ROSE Mme. NORBERT LEVAVASSEUR
OR BABY RAMBLER.

For Sale 250,000

PRICES:
For plants grafted on briar's roots, 8 to 14 inches high and 3 to 6 shoots.
Per 100.....$ 5.00
Per 1000..... 46.00
Per 10000.... 340 00

THE FIRM OF
LEVAVASSEUR & SONS,
Ussy (Calvados) and Orleans (Loiret), France,
Beg to inform the trade that their contract with Messrs. Brown Brothers, of Rochester, having expired, they are ready to book orders for the popular **BABY RAMBLER.** Plants can be shipped from France from 15th of October, 1906, to 15th of March, 1907. Send orders now direct to our address.
Also Full Line In
Fruit Tree Stock, Rose Stock, Evergreens, Ornamentals, Novelties.

PEONIES
FOR EARLY FALL PLANTING.
Choice selection of named sorts. Young plants of three to five eyes. Apply for rates per thousand.

Beresford. Delicate rose. Creamy petaloids Tipped carmine. Large. Doz., $2.50; hund., $15.00.
Delicatissima. Blush rose with circle of buff under guard petals. Very large and full to center. Strong, robust habit. Doz., $4.50.
Eclatante. Cherry rose to center. Full, strong bloom. Early. Doz., $2.00; hund., $12 00.
Festiva Alba. Pure waxy white flaked with carmine at center. Large, full flower. Doz., $3.50; hund., $25.00.
Festiva Maxima. Snow white, flaked carmine at center. A grand, large bloom and very strong grower. Per doz., $5.00; per 100, $35.00.
Floral Treasure. Clear, brilliant pink. Very double; perfect form. Doz., $4.50; hund., $30.00.
Globosa. Incurved form. Brilliant rose with salmon center Doz., $1.50; hund., $10.00.
Golden Harvest. Nearest approach to a yellow. Blush guard petals. Doz $4.50; hund., $30.00.
Grandiflora Rubra. Extra large, perfect balls of blood red. Late. Doz., $4.00; hund., $20.00.
Humei. Clear solid pink. Late. Doz., $1.50; hund., $10.00.
La Tulipe. Blush white. Outer petals flaked red. Distinct and fine. Doz., $5.00; hund., $35.00.
Marie Le Moine. Delicate flesh, fading to white. Very full; perfect form. Doz. $4.00; hund., $25.00.
Ne Plus Ultra. Solid shade of brilliant rose. A grand full petaled flower. Doz., $2.00; hund., $12.00.
Officinalis Rubra Plena. Deep crimson. Very early Doz., $1.50; hund., $8.00; thous., $75.00.
Queen Victoria. Guard petals blush white. Flesh tinted center. A grand full flower. Very full and strong. Doz., $2 50; hund., $15.00.
Rosamond. Bright clear pink, tipped pale rose. Very large. Doz., $2.50; hund., $15.00.
Rubra Triumphans. Brilliant deep crimson. Fine contrasting color. Doz., $2.00; hund., $12.00.
Somerset. Pale rose with carmine tint and circle of buff. Very large. Doz., $3.00; hund., $20.00.
Washington. Solid shade of delicate pink. Full bloom. Early. Doz. $2 50; hund., $15.00
Mixed Pink Varieties. Hund., $8.00; thous., $75.00.

PHONE 312 **JAMES KING NURSERY, Elmhurst, Ill.**

HIBISCUS SYRIACUS MEEHANII
WE now offer to the trade our new hardy variegated leaf Hibiscus Syriacus Meehanii. This plant attracted much attention when exhibited at the American Nurserymen's Convention at West Baden, Ind., and American Florists' Exhibition at Asheville, N. C. Foliage beautifully variegated; never sun-scalds or reverts to the green; flowers single, very large, satiny lavender; blooms during four months; prices on application. Orders booked now.
P. J. BERCKMANS CO., Inc., Fruitland Nurseries AUGUSTA, GA.

St. Paul.

TRADE FAIR.

Stock was very plentiful up to the middle of last week when a spell of dark, cold weather cut down the stock supply, especially roses. Stock had been improving in fine shape up to this time, but it is poorer now than for some time past. Business has kept up well, funeral work aiding a great deal. Outdoor stock has been hurt a little by rains but is still good. Asters and lilies are as good as any seen in former years and have sold well. Gladioli and salvia suffered most. Local growers of roses have planted Richmond extensively in preference to Liberty, but have not discarded the latter by any means. The only objection to Richmond heard is its inclination to a weak neck. Kate Moulton and Killarney are seen to some extent also, though the former looks the better by long odds. Most carnations were planted late this year on account of the warm weather and are looking better than those which were planted early.

NOTES.

The supply house drummers have been numerous lately. Among them were Martin Reukauf, C. S. Ford, J. J. Karins, Wm. Dykes, G. J. Schneider and Mr. Hummel of Hummel & Downing, Milwaukee. B. Eschner and wife, who have been making a trip on the great lakes, were also callers.

L. L. May & Co.'s houses are well filled up with good looking stock. Their roses are the best seen here. L. Anderson has this place looking better than ever.

The St. Paul Floral Co.'s new rose-houses are the most modern in this city. The plants are looking very well considering the lateness of the planting.

Holm & Olson are building a bulb house or cellar, partly of stone and partly of wood with sawdust for filling.

Christ Bussjaeger's new rose houses look well. They are planted partly with old and partly with young plants.

E. F. Lemke is erecting a bulb cellar at his Snelling avenue place.

O.

ESCANABA, MICH.—There was a severe hail and wind storm here September 12, doing much damage to glass and stock outdoors.

REDONDO, CAL.—Mrs. A. F. Borden, wife of the manager of the Redondo Floral Co., died August 30 and was buried in Los Angeles September 2.

NORTHAMPTON, MASS.—The Home Culture club has bought of Chas. W. Loomis his extensive greenhouses and will in the future manage them as part of its plant.

LOWELL, MASS.—The new greenhouse of Swanson & Dillgren is rapidly nearing completion. The building is 30 x 200 feet. It will be heated by a 35 H. P. boiler. This house is to be devoted entirely to the raising of carnations and violets.

WHITMAN MASS.—M. L. Belcher, of South Weymouth, has purchased of Robert Moir the store that he has conducted for so many years in the Jenkins building, and he will take possession at once. Mr. Belcher has extensive greenhouses at South Weymouth.

Carnations For Sale. Strong, healthy, field-grown plants

	Per 100	1000		Per 100	1000
Lawson	$5.00	$40.00	Harlowarden	4.00	35.00
Enchantress	5.00	40.00	Crusader	4 00	35.00
Boston M'ket	4.00	30.00	Guar. Angel.	3.00	25.00

Sprengeri, out of 2½-in., fine stock, $4.00 per 100.

SCHEIDEN & SCHOOS,
Asbury and Warren Aves. Evanston, Ill.

Cyclamen. Primulas.

Cyclamen Giganteum Splendens, in five colors, also including Rokoko, Low's Pioneers, Butterfly, fringed, lilac, salmon, all that is best, 3-inch, ready for 5-inch, per 100, $6.00; 4-inch ready for 6-inch, per 100, $10.00.

Primula Obconica Grandiflora, Fimbriata, rose, carmine, new giants, all the best, 2½-inch per 100, $3 50; 4-inch per 100, $6.00. All ready for a shift.

Chinese, Vaughan's, International, new giant two best English strains, 3-inch per 100, $5.00; 4-inch, $10.00 per 100, all ready for a shift.

J. SYLVESTER, Florist,
OCONTO, WIS.

Carnations.

1000 Red Lawson	$6.00 per 100;	$50.00 per 1000
1000 P. Lawson	5.00 per 100;	40.00 per 1000
500 The Queen	5.00 per 100;	40.00 per 1000
500 Queen Louise	5.00 per 100;	40.00 per 1000
250 Fiancee	5.00 per 100	

The above stock is in good condition.

C. MERKEL & SON, Mentor, Ohio.

CARNATION PLANTS.

DIRT CHEAP.

Lawson, pink, 2nd size, per 1000, $20.00

BRANT & NOE FLORAL CO.,
W. Peterson and N. 48th Aves., CHICAGO.

CARNATIONS.

Mrs. Lawson, Avondale, Glacier Ethel Crocker, Eclipse, Phyllis, etc., healthy, bushy stock, $6.00 per 100; per 1000. $55.00

Enchantress, extra strong, $7.00 per 100; $60.00 per 1000.

Rose Pink Enchantress, large, $15.00 per 100.

See last advertisement.

NATHAN SMITH & SON
ADRIAN, MICH.

CARNATIONS, field-grown

	Per 100		Per 100
2000 Queen Louise, large	$5.00	300 Kohinoor, large	$4.00
2000 Pr'sp'rity large	5.00	600 Frances Joost, large	4.00
500 Lady Bountiful, medium.	7.00	200 Gov. Wolcott, large	5.00
1500 Harlowarden, large	5.00	100 Her Majesty, large	5.00
300 America, large.	5.00		

C. H. FREY, Lincoln, Neb.
Please mention the American Florist when writing.

SPECIALTIES.

ROSES, from 3-inch pots. CHRYSANTHEMUMS.
CARNATIONS, for fall delivery. SMILAX. VIOLETS.
IN BEST VARIETIES.
Prices low. Send for list.

WOOD BROTHERS, Fishkill, N. Y.
Please mention the American Florist when writing.

The Regan Printing House

LARGE RUNS OF
CATALOGUES —OUR— SPECIALTY
WRITE FOR FIGURES.

83-91 Plymouth Place, CHICAGO.
Please mention the American Florist when writing.

Muskogee Carnation Company

Has added to their old plant five large greenhouses and can now fill all orders for

CUT FLOWERS,
SUCH AS
CARNATIONS, BRIDES, BRIDESMAIDS and BEAUTIES.
Write for Price List.

MUSKOGEE, IND. TER.

SURPLUS STOCK FOR SALE AT ONCE.

100	**Dracaena Regina,** 4 in. pots	10c
250	**Dracaena Stricta grandis,** 4-in. pots	15c
100	**Dracaena Lady Hume,** beautifully colored variety	15c
100	**Dracaena Hybrida**	15c
250	**Dracaena Amabilis**	25c
350	**Dracaena Terminalis**	12c
100	**Pandanus Utilis,** 4-pots	25c
500	**Cyclamen** in 3-in. and 4-in. pots, of the best giant varieties, at from $8.00 to $10.00 per 100.	

Subject to being unsold.
Above are strong, clean, healthy stock.

SIEBRECHT & SON,
ROSE HILL NURSERY,
NEW ROCHELLE, N. Y.

Inquiries That Pay Dividends.

AMERICAN FLORIST CO.:—Enclosed please find copy for ad., which you will please continue until advised to the contrary. We are more than gratified at the inquiries and orders received, and can not afford to discontinue even though we were inclined to do so.

IONIA, MICH., Sept. 15, 1906. **Ionia Pottery Co.**

NO EXPERIMENTAL ADVERTISING. NO BOGUS INQUIRIES.

ARAUCARIA EXCELSA.

As usual at this season of the year we are again carrying an immense stock of Araucarias which we offer at very favorable prices. These plants travel safely by freight to reasonable distances at this season of the year. Why not lay in a sufficient supply now to carry your sales through the holidays, saving heavy transportation charges later on.

ARAUCARIA EXCELSA.

5-inch pots, 8 to 10 inches high, 3 tiers	$ .65 each
6-inch pots, 12 to 14 inches high, 3 to 4 tiers	.75 each
6-inch pots, 14 to 16 inches high, 4 tiers	1.00 each
6-inch pots, 16 to 18 inches high, 4 tiers	1.25 each
7-inch pots, 20 to 22 inches high, 5 tiers	1.50 each

ARAUCARIA EXCELSA GLAUCA.

5-inch pots, 8 inches high, 2 tiers	$ .75 each
6-inch pots, 13 to 15 inches high, 3 tiers	1.25 each
7-inch pots, 22 to 24 inches high, 4 to 5 tiers	2.00 each

ARAUCARIA ROBUSTA COMPACTA.

6-inch pots, 10 inches high, 2 to 3 tiers	$1 25 each
6-inch pots, 12 inches high, 3 tiers	1.50 each

For a complete list of seasonable Plants, Bulbs and Seeds, see our current Wholesale List.

HENRY A. DREER, 714 Chestnut St., **PHILADELPHIA, PA.**

GET THE BEST

It don't pay to buy poor stock.

	Per 100	Per 1000
Richmond Roses, 2½-in	$5.00	$40.00
" " 3½-in	6.50	55.00
American Beauties, 3-in	5.00	40.00
" " 3½-in	6.50	55.00
Chatenay, 2½-in	3.50	30.00
" " 3½-in	5.00	45.00
Uncle John, 2½ in	3.50	30.00
" " 3½-in	5.00	45.00
Golden Gates, 2½-in	3.50	30.00
" " 3½-in	4.50	
Kaiserin, 2½-in	3.50	30.00
Sunrise, 3½-in	5.50	50.00

Satisfaction Absolutely Guaranteed.

	Per 100	Per 1000
Sprengeri, 3-in	$4.00	$35.00
Plumosus, 3 in	5.00	45.00
Yellow Snapdragon, 3½-in	5.00	45.00

Field-Grown Carnation Plants.

Free from stem rot or other diseases. Strong, healthy plants

	Per 100	Per 1000
Wolcott	$4.00	$35.00
Prosperity	4.00	35.00

POEHLMANN BROS. CO.

MORTON GROVE, ILL.

GERANIUMS

ROOTED CUTTINGS.

Orders booked for delivery Nov. 1. and after. I will have fourteen houses planted to stock plants and can supply you with the right kind of cuttings.

	Per 100	1000
S. A. Nutt, Perkins, Buchner, Doyle	$1.25	$12.50
Viaud, Jaulin, Poitevine, L. Francis, Ricard, Castellane, Trego	1.50	15 00
Peter Henderson	2.00	20.00
Fleuve Blanc (White Poitevine)	5.00	50.00

These cuttings are carefully grown and will make a better plant than the average pot plant.

FIELD PLANTS.

S. A. Nutt, Castellane and Ricard, ready for 3-inch pots, at $2.00 per 100.

ALBERT M. HERR,
Lancaster, Pa.

GRAFTED ROSES.

Extra Fine Plants, Free from Mildew.

KILLARNEY, 3½-in. pots ..... $18.00 per 100
LIBERTY, KAISERIN, MAIDS, WOOTTON, 3½-in. pots, 12 00 per 100

OWN ROOT ROSES.

RICHMOND, PERLES, 3-in. pots ..... $6.00 per 100
BRIDES, MAIDS, GOLDEN GATES, KAISERIN, LIBERTY, WOOTTON, 3-in. pots ..... 4.00 per 100

J. L. DILLON, Bloomsburg, Pa.

Please mention the American Florist when writing.

E. F. WINTERSON CO.

45-47-49 Wabash Ave., CHICAGO.

All Cut Flowers in Season.

SEND YOUR FALL SUPPLY ORDERS TO

"Leading Florists' Supply House of the West."

WE CARRY EVERYTHING IN SUPPLIES.

Please mention the American Florist when writing.

CARNATIONS

Fine, Field-Grown Plants.

700 M. A. Patten, 350 Fiancee, 350 Cardinal, 175 Sunbird, 200 Fair Maid, $5.00 per 100.
500 Belle, $6.00 per 100.
675 Prospector (Red Maceo) $4.00 per 100

Stock grown at and shipped from Springfield, Ill.

S. S SKIDELSKY,
824 No. 24th Street, PHILADELPHIA, PA.

ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the

"Horticultural Advertiser"

This is the British Trade Paper, being read weekly by all the Horticultural traders; it is also taken by over 1000 of the best continental houses. Annual subscription to cover cost of postage 75c; Money orders payable at Lowdham, Notts.

Address **Editors of "H. A."**
Chilwell Nurseries, LOWDHAM, Notts, England

Please mention the American Florist when writing.

Directory for 1906.

Price $2.00 Postpaid.

THE AMERICAN FLORIST COMpany's Trade Directory for 1906, fully revised to date, with thousands of new names and changes of address, is now ready for distribution. It contains 476 pages, including complete lists of the Florists, Seedsmen and Nurserymen of the United States and Canada, arranged both by states and towns and all names alphabetically. Also lists of Foreign Merchants, Firms which issue catalogues, Horticultural Supply Concerns, Parks, Cemeteries, Landscape Architects, Experiment Station Horticulturists, Botanical Gardens, and much other conveniently indexed and invaluable trade information. Published by the

American Florist Co.

324 Dearborn St., Chicago, Ill., U. S. A.

Contains 476 Pages.

Now Ready

PALMS, FERNS and DECORATIVE PLANTS

We Offer Good Value. Saving in Express and Freight west of Ohio.

ARAUCARIA EXCELSA.

(Norfolk Island Pine.)

We have a large quantity of these popular Christmas plants. All are perfect, well shaped plants, and will give good satisfaction.

Size pot.	Height	Whorls	Each	Doz.
6-in	16 in	4	$1.00	$12.00
6-in	18 in.	4	1.25	15.00
7-in	22 in.	5	1.50	18.00

ARAUCARIA EXCELSA GLAUCA.

Size pot.	Height	Whorls	Each	Doz.
5-in	12 in.	3	$1.00	$12.00
6-in	13 to 15 in.	3 to 4	1.25	15.00
7-in	18 to 20 in.	4 to 5	1.50	18.00
7-in	22 to 24 in	4 to 5	2.00	24.00
9-in., fine specimens	30 in.	4 to 5	3.00	....
9-in., fine specimens	34 in.	5	4.00	....

ARAUCARIA ROBUSTA COMPACTA.

Size pot.	Height	Whorls	Each	Doz.
5-in	10 in.	2	$1 00	$12.00
6-in	12 in.	to	1.50	18.00
7-in., fine specimens	28 in.	5	3.00	....
8-in., fine specimens	32 in.	5 to 6	4 00	....

ASPARAGUS PLUMOSUS NANUS.

We Are Headquarters.

	Per 100	Per 1000
2-in pots, strong ready for a shift	$3.00	$25.00
2½-in. pots, strong, ready for a shift	4.00	40.00
3-in. pots, strong, ready for a shift	7.00	65.00
Strong Seedings	1.50	12 00

BOSTON FERNS.

Nephrolepis Exaltata Bostoniensis.

We have the finest stock in the west. All our plants are pot grown, bushy stock, well furnished with fronds from the pot up, and cannot be compared with the cheap long-drawn-up lifted stock from the bench. A sample shipment will convince you of our superior stock. Stock ready last of August.

	Each	Per doz.	Per 100
2½-in pot plants		$ 0.60	$ 5.00
3-in. pot plants		1.50	10.00
4-in. pot plants		2.50	20.00
5-in. pot plants	$ .50	5.00	40.00
6-in. pans plants	.75	8.00	60.00
7-in pans plants	1.00	10.00	75 00
8-in. pans plants	1.00	15.00	.....
9-in. pans plants	$2.00 to $2 50	.....	.....
10-in pans plants	3.00 to 3 50	.....	.....
12-in. pans plants	4.00 to 5.00	.....	.....

ASSORTED FERNS FOR FERN DISHES.

We have a very large stock of all the best Pteris Ferns, 2¼-in. pots, strong and bushy, assorted, per 100, $3.00; per 1000, $25.00.

BABY RAMBLER ROSES.

We have a fine lot now growing in our fields, and offer strong, dormant plants for October and November delivery.

	Doz.	100	1000
1st size, selected, 2 years old	$3 00	$25.00	$200.00
2nd size, selected, 2 years old	2.50	20.00	150.00
1st size, selected, 1 year old	2.00	15.00	120.00

Also have a large stock of pot grown plants in bud and bloom.

	Doz.	100
3-in. pots	$1.50	$12.00
4-in. pots	3.00	20.00
5-in. pots	5.00	40.00
6-in. pots	6.00	50.00

NEW ROSE ETOILE DE FRANCE. The best red rose for pot sales. 1-year-old dormant plants per doz., $2.00; per 100, $15.00

KENTIA FORSTERIANA.

Size Pot	Leaves	Height	Each	Doz.	100
		8 to 10 in.	$....	$ 2.00	$15.00
4-in	5 to 6	15 to 16 in.	....	4.00	30.00
5-in	5 to 6	24 in.	.75	9.00	....
6-in	5 to 6	26 to 30 in.	1.00	12.00	....
6-in	6	28 to 30 in.	1.25	15 00	....
6-in	6	34 to 36 in.	1.50	18.00	....
7-in	6	36 to 40 in.	2 00	24.00	....
8-in	5 to 6	45 in.	3.00	36.00	....
8-in	6 to 7	45 to 50 in.	3.50	....	....
8-in	6 to 7	50 to 55 in.	4.00	....	....
9-in	6	55 to 60 in.	4.50	....	....
10-in tubs	6 to 7	65 in.	6.00	....	....
10-in. tubs	6 to 7	70 in.	7.00	....	....
12-in. pots	6	75 in.	8.00	....	....

MADE-UP KENTIA FORSTERIANA.

Size Pot	Plants in Pot	Height	Each
8-in	3	40 in.	$3.00
8-in	3	40 to 45 in.	3.50
9 in	3	50 in.	4.00
9 in	3	55 in.	4.50
9-in	3 heavy	60 in.	5.50
9-in. tubs	3 heavy	65 in.	6.00
9-in. tubs	3 heavy	70 in.	7.00
10-in. tubs	5	55 in.	6.00

KENTIA BELMOREANA.

Size Pot	Leaves	Height	Each	Doz.	100
5-in	5 to 6	18 to 20 in.	$ .75	$ 9.00	$70 00
6-in	6	20 to 22 in..	1.00	12.00	....
6-in	6 to 7	24 in..	1.25	15.00	....
7-in	6	26 to 28 in..	1.50	18 00	....
7-in	6	28 to 30 in..	2.00	24.00	....
7-in	6 to 7	32 to 34 in..	2 50	30.00	....
7-in	6 to 7	35 in..	3.00	36.00	....
8-in	6 to 7	40 in..	3.50	....	....
8-in	6 to 7	40 in., heavy	4.00	....	....
9 in. tubs	7	36 to 40 in., heavy	5.00	....	....
9 in. tubs	7	50 in., heavy	8.00	....	....
12-in. pots	8	55 to 60 in., heavy	12.00	....	....

CELESTIAL OR XMAS PEPPERS.

One of the very best of Christmas plants.

	Per doz.	Per 100
Strong plants, 4 in. pots	$1.25	$10.00
Strong plants, 5-in. pots	2.00	15.00

FICUS ELASTICA. (Rubber Plant).

5-inch pots, 12 to 14 in. high ..... $5.00 per doz.; $40.00 per 100

CYCAS REVOLUTA. (Sago Palm.)

We can supply these in various sizes, from 1 to 6 lb. bulbs, in leaf, at 50c per lb.

HYDRANGEA ROSEA. (New).

3-in. pot plants, 1 to 2 stems ..... $1.00 per doz.; $8 00 per 100
Otaksa and Thos. Hogg, 4-in. pot plants, 2-3 branches ..... $10.00 per 100
field plants, 3-4 branches ..... 15.00 per 100

CARNATIONS.

Victory and Robert Craig, medium size ..... $12.00 per 100

RICHMOND ROSES.

2½-in. pots, strong	$ 7.00 per 100:	$ 60.00 per 1000
3-in. pots strong	8 00 per 100:	75.00 per 1000
4-in. pots, strong	12 00 per 100:	100.00 per 1000

KILLARNEY, strong.
Strong, 3-in. stock ..... $ 8 00 per 100; $ 75.00 per 1000
4-in ..... 12.00 per 100: 100.00 per 1000

PAEONIES FOR SEPTEMBER PLANTING. We have the best kinds of our own growing, all true to name. Send for complete list.

PERENNIALS FOR FALL PLANTING. Our stock is large and consists of all the best sorts. Send for special list.

Send for our special list of Palms, Ferns and Decorative Plants. We offer good value; saving in express and freight west of Ohio.

14 Barclay St. NEW YORK.

VAUGHAN'S SEED STORE,

84-86 Randolph St. CHICAGO.

GREENHOUSES, WESTERN SPRINGS, ILL.

——HEADQUARTERS FOR——

CHOICE PLANTS

English Ivy, Anthericums, Kentias Forsteriana and Belmoreana, Phoenix Canariensis, Araucarias, Bay Trees and Boxwood Pyramids, Asparagus Plumosus, Bird's Nest, Scottii, Elegantissima, Piersoni Boston and Johnsoni Ferns, Cattleya Trianæ, Rubbers, Dracænas Terminalis and Fragrans, Pandanus Veitchii, Gardenia Veitchii, Cycas Revoluta, Cibotium Schiedei, Livistona Sinensis, Areca Lutescens, Crotons, Aspidistras, Lygodium Scandens Primula Obconica, Begonia Rex, Daisies, Fern Balls, Lily of the Valley, Cut Flowers, Leaf Mold, Orchid Peat, etc. Write for prices.

Anton Schultheis 19th St. and 4th Ave., College Point, L.I., N.Y.

Asparagus Plumosus.

Exceptionally fine stock from 3-in. pots, $5.00 per 100.

Asparagus Sprengeri,

From 3½-in. pots, $6.00 per 100.

Write for price on large lots.

SCHARFF BROS.,

Van Wert, Ohio.

Queen Beatrice Rose.

Four to one shot. Four times as many flowers as Maid.

F. H. KRAMER, 918 F St., WASHINGTON, D. C.

VIOLET PLANTS FOR SALE.

Lady Campbell Violet Plants

Field-grown, $20.00 per 1000 delivered at express office. Cash with order.

J. M. BRAMHAM, Waldrop, Va.

Grower of Violet Plants for the Trade.

Palms, Ferns, Etc.

WHOLESALE PRICE LIST.

Hydrangea Otaksa, field grown, $1.50 and $2.00 per doz.

	In.	Tiers,	Ea.	Doz.	100
Araucaria Excelsa	4	2 to 3	$0.35	$4.00	
" "	5	3	.75	9.00	
" "	6	3 to 4	1.00	12.00	
Asparagus Plumosus	2				$3.00
" "	3				6.00
Asparagus Sprengeri	2				3.00
" "	3				6.00
" "	4			1.50	
" "	5			2.00	

Asparagus Scandens Deflexus, a beautiful green for wedding and funeral work, 3-in. pots at $1.50 per doz.; 4-in. pots at $2.00 per doz.

Bay Trees, small standards, 12-inch heads, $5.00 per pair.

Bay Trees, pyramids, 5 feet high, $15.00 per pair.

Carnations, field-grown. We have to spare: 1000 White Cloud, $4.00 per 100; 800 Sports, $4.00 per 100.

Adiantum Capillus, 5-in., $2.00 per doz.

Boston Ferns, 4-in. pots, $1.50 per doz.; 5-in. pots, $3.00 per doz.; 6-in. pots, $4.20 per doz.; 6-in. pots, strong, $6.00 per doz.; 7-in. pots, $9.00 per doz. Larger specimens, $1.50, $2.00 and $3.00 each.

Scottii Ferns, 10-in. pots, $2.00 each.

Assorted Ferns for dishes, $3.00 per 100; $25.00 per 1000. We have a large lot to offer in best varieties.

Fern Balls, 7 to 9. Dormant or in leaf, $4.20 per doz.

Crytomium Falcatum, fine plants, 35c and 50c each

Dracaena Fragrans, 5-inch pots, 50c each; $5.00 per doz. 6-in. pots, 75c each; $9.00 per doz

Dracaena Indivisa, 2-inch pots, $2.50 per 100; 6-inch pots, 20 to 26 inches high, 50c each; $5.00 per doz.; 7-inch pots, 30 to 34 inches high, 75c each; $9.00 per doz.

Dracaena Massangeana, 8-inch pots, $2.00 each.
" " beautiful specimens, 9-inch pots, $3.00 each.

Dracaena Terminalis, 4-inch pots, 25c each; $3.00 per doz.; 5-inch pots, 35c each; $4.20 per doz.

Honeysuckle Vines, 4-inch pots, $8.00 per 100.

Maranta Lietzii, 2¼-in., $1.00 per doz.

Pandanus Veitchii, 7-in., $2.00 ea.; $24.00 per doz.
" **Utiles,** 3-in. ..... per doz., $1.50
" " 4-in. ..... per doz., 3.00
" " 5-in. ..... per doz., 5.00

Areca Lutescens, 5-in., 50c each; $5.00 per doz.

Cocos, for dishes, 2½-inch, $1.50 to $1.75 per doz.

Cocos Bonetti, large specimens, $40.00 each.

	In.	Each	Doz.
Kentia Belmoreana	3		$ 2.00
" "	5	$0.60	7.20
" "	6	1.00	12.00
" "	6 xx	1.25	15.00
Kentia Forsteriana	5	.60	7.20
" "	6	1.25	15.00
" "	7	2.00	24.00

Phoenix Canariensis, 2-in. ..... per doz., 1.00
" " 5-in. ..... per doz., 5.00
" " fine bushy plants, 10-in. pots, $3.00 each. Large specimens, $25.00 to $30.00 each.

Phoenix Reclinata, 3½-in. ..... per doz., $2.00
" " 4-in. ..... per doz., 3.00
" " 6-in., 50c each; per doz., 6.00
" " 7-in., 75c each.

Sansevieria Jav. Var., 4-inch at $2.00 per doz.

Selaginella Denticulata, 3-in., per doz., $1.00.

The Geo. Wittbold Co.

1657 BUCKINGHAM PLACE, CHICAGO.

Will Sell Cheap

50,000 Canna Roots

Mostly Alphonse Bouvier.

Also 10,000 **Boston Ferns** in 4-inch and 5-inch pots, Send for prices.

JOHN WOLF, Ott and Anderson Sts., SAVANNAH, GA.

It is good business policy to mention
The....
AMERICAN FLORIST
When you write to an advertiser

CARNATIONS.

Strong, Healthy, Field-Grown Plants.

PINK	Per 100	Per 1000
Lawson	$5.00	$40.00
Nelson	3.00	25.00
Guardian Angel	3.00	25.00
Enchantress	7.00	60.00
Morning Glory	4.00	30.00
Higinbotham	3.00	25.00
WHITE	**Per 100**	**Per 1000**
Boston Market	$4.00	$35.00
WHITE	**Per 100**	**Per 1000**
Flora Hill	$3.00	$25 00
Queen Louise	3 00	25.00
White Cloud	3.00	25.00
RED	**Per 100**	**Per 1000**
Estelle	$5.00	$40.00
Mrs. Ine	3.00	25.00
VARIEGATED	**Per 100**	**Per 1000**
Armazindy	$3.00	$25.00

ROSE PLANTS.

	Per 100	Per 1000
Liberty, 3-in.	$4.00	$35.00
Chatenay, 2½-in.	$4.00	$35.00

PETER REINBERG,

51 Wabash Avenue, CHICAGO.

GERANIUMS

2½in. Pots,
Ready for Immediate Delivery

Alliance. Lemoine 1905, Hybrid, Ivy and Zonal, semi-double, lilac white, upper petals feathered and blotched crimson maroon, 25c each; $2.00 per doz.

Fleuve Blanc, the semi-double Bruant that promises to become the standard white, flowers and foliage equal to Alph. Riccard, $1.50 per doz.; $10.00 per 100.

Double Dryden, $1.00 per doz.; $5.00 per 100.

Send for Geranium Catalogue. Let us figure on your future supply.

	Per 100	1000
Alternanthera, red and yellow	$2.00	15 00
Hardy English Ivy	2.00	15.00
Smilax	2.00	15.00

A cordial invitation is extended to all interested in horticulture to visit us. Cowenton station, Philadelphia division, B. & O. R. R., 12 miles north of Baltimore.

R. VINCENT, JR. & SON, **White Marsh, Md.**

Cactus Geraniums, four varieties, petals curled and twisted-similar to the Cactus Dahlia, $2.00 per doz.: $15.00 per 100.

S. A Nutt, La Pilote, Beaute Poitevine, Mme. Barney, Centaur, Miss Kendall, Mme. Jaulin, Jean Viaud, Mme. Charotte, 40c per doz.; $2.00 per 100; $18.00 per 100.

Ville Poitiers, Marquise de Castellane, Berthe de Persilly, M. Jolly de Bammeville, Thos. Meehan, 50c per doz.; $3.00 per 100; $25.00 per 1000.

DAHLIA ROOTS.

We are booking orders for fall delivery. Send for list.

LUDVIG MOSBAEK,

ONARGA, ILL.

100,000 Asparagus Pl. Nana and **Sprengeri,** very strong and fine plants, ready for shift, 4-in., $10.00; 3-in., $5.00; 2¼-in., $2.50 per 100. Seedlings, $10.00 per 1000.

10 Acres of Cannas. List mailed and orders booked for fall delivery.

40,000 Ferns, in var.: **Anna Foster, Boston, Piersoni** and **Sword Fern** (Exaltata), very fine, pot grown, ready for shift, 6-inch, $40.00 per 100; $6.00 per doz.; 4-in., $15.00; 3-in., $8.00. **Boston** and **Piersoni,** strong runners, $30.00 per 1000.

3,000 Nephrolepis Piersoni Elegantissima, 4-in., $40.00; 3-in., $15.00; 2¼-in., $10.00 per 100.

20,000 Geraniums, stock plants, from field, in standard var., $6.00 per 100, $50.00 per 1000. Will also book orders for R. C and 2¼-in. plants.

Palms, Dracaena Indivisa, 3-in., $5.00 per 100. 4-in., $10.00 per 100 **Kentia,** 3-in., $12.00 per 100. **Phoenix Canariensis,** 4-in., $20.00 per 100.

Pansies are working their way to the front once more. Our International Strain, Seedlings, $3.00 per 1000; Seed, per oz., $6.00; ⅛ oz., $1.00; prepaid for cash.

Roses, Brides and Bridesmaids, 3-inch, in fine condition, $5.00 per 100.

Sansevieria Zeylanica var., 4-in., $15.00 per 100 3-in., $8.00 per 100.

Let me send you a sample of my Asparagus and Ferns. They are worth more money to you than to me.

DAHLIAS.

Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring.

DAVID HERBERT & SON,
Successors to L. K. Peacock, Inc., **ATCO, N. J.**

O. K. ORCHIDS

A large shipment of

Cattleya Gigas

just arrived in splendid condition. All plants especially collected by myself.

WRITE FOR PRICES.

JOHN DE BUCK

P. O. Box, 78
COLLEGE POINT, L. I., N. Y.

Please mention the American Florist when writing.

ASPARAGUS

PLUMOSUS NANUS, 2-inch pots, $3.00 per 100; $25.00 per 1000, transplanted from the bench, $2.50 per 100; $20.00 per 1000.

SPRENGERI, 2-inch, $3.00 per 100; $25.00 per 1000, from bench, $2.50 per 100; $20.00 per 1000.

WM. CLARK, Colorado Springs, Col.

ABUNDANCE!

Healthy stock, field-grown plants, 1st size, $12.00 per 100; $100 00 per 1000; 2nd size, $10.00 per 100; $75.00 per 1000; 250 at 1000 rates. Delivery 15th of August. Cash with order.

RUDOLPH FISCHER, GREAT NECK, L. I., N. Y.

BERTHA RATH

CARNATION.

FERNS, PALMS,

ARAUCARIA EXCEL.,

ASPIDISTRA,

Green and Variegated.

BAY TREES and PRIVET,

Fine, Strong Stock.

R. DREYER, WOODSIDE, L. I., N. Y.

Please mention the American Florist when writing.

MABELLE, New Pink Carnation for 1907.

Color—A peculiar shade of lovely pink, with a faint yellowish cast; several shades lighter than the Lawson. Unlike most pinks, the brightest sun does not injure the color. Size—3 to 4 inches in diameter when established. Odor—Pleasing, but not strong. Stems—Invariably strong, but always graceful, ranging from 12 to 30 inches during the season. Habit, etc.—A very quick, active grower, making specimen plants in a short time, even from late cuttings. On account of its rapid growth, requires supporting very soon after benching. Gets away rapidly, blooms early and gives long stems right from the start. Productiveness—Prodigious is the best word we know of to use here. It is the most incessant bloomer, early and late, we have ever grown. Stock limited. Delivery January 5 to 10 and later. Price, $12.00 per 100, $100.00 per 1000.

THE H. WEBER & SONS CO., Oakland, Md.

BUY

Crotons, Dracaenas, Camellias, Ardisias, Farleyense,

FROM

Julius Roehrs Co., Exotic Nurseries, RUTHERFORD, N. J.

Carnations.

	Per 100	Per 1000
5,000 Enchantress	$5.00	$45.00
5,000 Mrs. Thos. W. Lawson	4.50	35.00

ELI CROSS, Grand Rapids, Mich.

Write GEO. A. KUHL,

Pekin, Ill.,

WHOLESALE GROWER, for

Poinsettias, Celestial Peppers, Jerusalem Cherries, Primroses, Obconica, Cyclamen, Ferns of all kinds, Roses, etc.

Highland Grown Carnation Plants.

	Per 100	1000		Per 100	1000
Lawson	$4.50	$45.00	Peru	$4 00	$35.00
Flora Hill	4.50	40.00	Glacier	4.00	35 00
Boston M'ket	5.00	45.00	Enchantress	5.00	45.00
Crusader	5.00		Bountiful	6.00	
M. Glory	4.50	40.00	Har owarden	4.00	35.00
Prosperity	4.00		Roosevelt	4 00	35.00
G. Angel	4.00	35.00			

CRABB & HUNTER, Grand Rapids, Mich.

LARGEST STOCK OF ALL

Belgian Plants.

AZALEAS, ARAUCARIAS, SWEET BAYS, PALMS, BEGONIAS, GLOXINIAS, ETC.

Louis Van Houtte Pere,

GHENT, BELGIUM.

Carnations We make it a business to grow and sell carnation plants. No surplus stock. All A1 plants.

	Per 100	1000		Per 100	1000
Enchantress	$5.00	$45.00	Glacier	4.00	35.00
Prosperity	4.50	40.00	Flamingo	5 00	45 00
Morn. Glory	4.00	35.00	Crane	4.50	40.00

Cash with order, please.

Blanksma Bros., R. F. D. No. 11, GRAND RAPIDS, MICH.

WATCH US GROW.

Araucaria Excelsa

The Best of All Decorative Plants Nature Produces

OUR SPECIALTY.

Every man in business and life to be successful must adopt one thing as his specialty, and that specialty, whatever he select, of whatever nature it may be, he must guard, study and push to such an extent that it not only benefits himself, but he must conduct it so that everyone who seeks his aid, service or his article, which he advertises or practices, will share a slice of his activity and prosperity. I made the importation and cultivation of Araucarias as a special study in my life. The figures below will show my success in business: In the first year I commenced with an importation of 250. In the eleventh year now, 1906, my importations have grown up to 6,000 (come and see it), and on account of the Araucaria growing yearly more in favor by the plant consuming people all over the country, as a much admired decorative plant for the parlor, bed, dining and sitting room, stores, hotels, lawns and porches, the outlook will be for an importation at least of 8,000 to 10,000 in spring of 1907. To secure this vast amount for 1907, I am now on the ocean, per steamer New Amsterdam, leaving Hoboken Aug. 15, striking for Belgium, making contract for next year, 1907. I also shall at the same time bring over with me a large lot of choice Azalea Indica and Palms, etc., for Christmas and Easter flowering. No money will be spared in obtaining for my customers the cream of the Belgium greenhouses only.

Please note lowest prices now going on for August and September:

Araucaria Excelsa,

12 to 14 in. high, 5½-in. pots, 3 to 4 trs., 2 yr. old, $ .50
12 to 14 in. high, 5½-in. pots, 3 to 4 trs., 2 yr. old. .60
16 to 18 in. high, 5½ to 6 in. pots, 3 to 4 trs., 3 yr. old ..... .75
18 to 20 in. high, 6-in. pots, 5 to 6 trs., 4 yr. old.. 1.00
20 to 24 in. high, 6-in. pots 5 to 6 trs., 4 yr. old.. 1.25
36 to 50 in. specimen, 7-in. pots, 6 yr. old, $2.50 to 3.00

Araucaria Compacta Robusta, have 1000 of them, never were so nice as this year. Plants are as broad as long, from 12 to 20 in. in height, 3 to 4 perfect tiers, 20 to 30 in. wide across from one tip of tiers to the other, 3, 4 and 5 years old, 6 to 7-in. pots, $1.25, $1.50, $1.75, $2.00, up to $3.00 each.

Araucaria Excelsa Glauca, are perfect jewels in shape and size: their beautiful green-blue tiers make them of such a striking appearance that everybody seeing them must fall in love with them on sight, and cannot help it. Plants, 6 to 7 in. pots, 3, 4 and 5 perfect tiers, 15 to 25 in. in height, from 15 to 30 in. across, $1.25, $1.50, $1.75, $2.00 to $2 50 each.

Please bear in mind these mentioned varieties are the cream of Belgium importations. We have thousands of them: can meet all demands.

Kentia Forsteriana, 6-in. pots, 35 to 40 in. high, 5 to 6 leaves, 4 years old, $1.25 to $1.50; 30 to 35 in. high, 4 years old, 6 in. pots, $1.00; 5½-in. pots, 25 to 30 in. high, 3 years old, 75c; 4-in. pots, made up with three plants, 18 to 20 in. high, 25 to 30c. **Belmoreana,** 6 in. pots, 4 years old, 5 to 6 leaves, bushy, 30 to 35 in. high, $1.25; 5½ to 6 in. pots, 3 years old, 5 to 6 leaves, 75c to $1.00 each. Above are the sizes entered in the custom house. **Kentia Forsteriana,** 7-in. pots, made up plants, on elarge in center, three smaller sizes, about 22 to 24 in. high, price $2.00 each.

Nephrolepis Barrowsii, 6-in., large, ready for 7-8 in. 50c; 4-in., large, 25c.

Nephrolepis Scottii, 6-in. pots, large, ready for 7-8 in., 50c; 5½-in., 40c; 5 in., 35c; 4-in., 20c to 25c.

Boston Ferns, 4-in., 20c to 25c; have them by the 1000.

Asparagus Plumosus Nanus, 3-in., 6c; 4-in., 10c.

Chinese Primroses, in 4-in pots, ready to shift into 5-in. pots, will bloom for Christmas, $10 00 per 100.

Cocos Weddelliana, 15c.

Areca Lutescens, made up plants, 4-inch pots, 5c.

Ficus Elastica, Belgian importation, 6-in. pots, 50c each.

Ferns. A fine assortment of Ferns for dishes large, bushy, out of 2½-inch pots, $5.00 per 100 3-inch, 7c each.

All goods must travel at purchaser's risk. Cash with order, please.

GODFREY ASCHMANN, Importer and Wholesale Grower of Pot Plants 1012 Ontario St., PHILADELPHIA, PA.

OUR LITTLE PETS.

By Aschmann, in Philadelphia.

I bought
An Araucaria, a pet for our little girl—
Now we have two pets, the pride of our thought,
The little girl so sweet a head full of curls,
And the Araucaria with their everlasting green—
A more joyful home you never have seen.

GOOD FERNS CHEAP

	Per 100
BOSTONS, strong runners	$ 2 00
" from 5-in. pots	25.00
" from 6-in. pots	40.00
" from 7-in. pots	60.00
" from 8-in. pots	75 00
" from 10-in. pots,	$1.50 each

WHITMANI, strong young plants, from bench, $10.00 per 100.

	Per 100
PIERSONI, from 5-in. pots	$25.00
" from 6-in. pots	40.00
" from 7-in. pots	60.00
SCOTTII, from 5-in. pots	$25.00
" from 6-in. pots	40.00
" from 6-in. pots	60.00

ELEGANTISSIMA, strong, 2½-in., $5.00 per 100.

DAVIS BROS., Morrison, Ill.

PANSIES.

Brown's Extra Select Superb Giant Prize Pansies.

Awarded silver medal St. Louis Exposition, 1904.

Plants, mixed colors, in any quantity, $3.00 per 1000. Cash with order.

PETER BROWN,

LANCASTER, PA.

GOV. HERRICK THE COMING VIOLET

One that produces three times as many flowers as any violet ever offered for sale. It will please you. Order at once. Prices: $2.00 per doz.; $10.00 per 100; $75.00 per 1000; 5,000 or more at $60.00 per 1000. Send for description today.

H. R. CARLTON, Willoughby, O.

INTRODUCER and ORIGINATOR.

Always mention the American Florist when you order stock.

Index to Advertisers.

Adv rates....402
Advance Co The....434
Allen J K....411
Amling E C....407
Andorra Nurseries...417
Aschmann Godfrey..423
Atlanta Floral Co...413
Baller F A....415 417
Barrows Henry & Son 409
Barteldes Seed Co ..405
Bassett & Washburn.406
Baumann L & Co....432
Beaven E A....405
Beckert W C....II
Benthey-Coatsworth Co....407
Berckmans P J Co....416 417
Berning H G.. ... 409
Bertermann Bros Co.412
Blanksma Bros....423
Boddington A T II
Branham J M....421
Brant & Noe....418
Braslan Seed Co....414
Breitmeyer's J Sons 412
Brooks C W....405
Brown Peter....423
Bruns H N....II
Budlong J A.... 407
Burpee W A & Co...415
Byer Bros....405
Caldwell the Woodsman Co....405
Carlton H R....423
Carmody J D....434
ChicagoCarnationCo I
Chicago House Wrecking Co....433
Clark Wm....422
Cleveland Cut Flo Co413
ClipperLawnMower Co....432
Cochran Mushroom & Spawn Co.... II
Cooke Geo H....412
Cotsonas Geo & Co...411
Cowee W J....433
Crabb & Hunter.... 423
Craig Robert Co....409
Cross Eli....423
Cunningham Jos H..413
Daniels & Fisher....412
Davis Bros....423
Davis F P.... 413
Deamud J B Co....407
De Buck John 422
DetroitFloPotMfy...432
Dietsch A Co.... ...434
Diller Caskey & Co..III
Dillon J L....419
Dingee&ConardCo..417
Donohoe W H....412
Dorner F & Sons Co I
Dreer H A....419 424
Dreyer R....423
Dunford J W....413
Edwards Fold'g Box.433
Elliott Wm H 409
Emmans Geo M....413
Eyers H G....412
Fellouris A J....411
Fischer R....422
Florists' Hail As'n....424
Flower Growers Co..407
Foley Mfg Co....434
Ford Bros....411
For Sale & Rent....403
Frey C H....418
Froment H E....411
Garland Geo M....III
Giblin & Co.... IV
Globe Eng Co....434
Gude A & Bro....412
Gullett W H & Sons.413
Gundestrup K & Co. II
Gurney Heater Co... IV
Guttman Alex J....411
Hansen M A....412
Hart Jas....411
Hartman Hjalmar & Co....415
Hauswirth P J 412
Heller & Co 415
Henshaw A M....411
Herbert D & Son....422
Herr Albert M....419
Herrmann A....433
Hess & Swoboda....412
Hews A H & Co....432
Hilfinger Bros....432
Hill The E G Co.... I
Hippard E....III
Hitchings & Co. IV
Holm & Olson....412
Holton& Hunkel Co.409
Hooker H M Co....424
Hort Advertiser 419
Hort Trade Journal..434
Hunt E H....407
Igoe Bros....433
Ionia Pottery Co 432
Jackson&PerkinsCo.416
Jensen & Dekema...407
Johnston Heating Co433
Journal des Roses...434
Kasting W F.... I
Keller Geo & Son...432
Keller Pottery Co...432
Kellogg Geo M ...412
Kennicott Bros Co..407
Kervan Co The....411
Kessler P....411
King Jas....417
KingConstructionCo III
Kohr A F 432
Koppelman E L & Co424
Kramer F H....421
Kramer I N & Son..432
Kroeschell Bros Co. 433
Kuehn C A....409
Kuhl Geo A....423
Lager & Hurrell....410
Lange A....412
Langjahr A H....411
Lecakes N & Co....411
Leedle Floral Co....417
Levavasseur&Sons..417
Livingston Seed Co. 412 433
LocklandLumb'rCo.III
Lord & BurnhamCo. IV
Matthews. florist....413
McConnell Alex....413
McCullough's J M Sons Co.... ...409
McKellar Chas W...407
McKissick W E....409
Mayberry & Hoover.412
Merkle C & Son....418
Metropolitan MatCo.434
Mich Cut Flower Ex.405
Miller Theo....413
Mills the Florist....412
Moninger J C Co....III
Moon The Wm H Co.417
Moore Hentz&Nash.411
Morehead Mfg Co...434
Morse C C & Co.... II
Mosbaek L.... ...422
Murdoch J B & Co ..409
Murray Samuel....412
Muskogie Carnation Co....418
Myers & Co....433
Natl Flo Bd of Trade.411
N Y Cut Flower Ex .411
Niessen Leo Co 409
Niuffer C M....417
Olbertz J....409
Pacific Seed Co....415
Paducah Pottery 432
Palethorpe P R Co..432
Palmer W J & Son..412
Park Floral Co....412
Pennock S S....409
PerennialGardens Co415
Perfection Chem Co 433
Peterson's Nursery..416
Pierson F R Co.... 1
Pierson U Bar Co....III
PittsburgCut Flo Co.409
Pittsburg Florist Ex .409
Pollworth C C Co ...412
Poehlmann Bros Co 407, 419
Quaker City Machine Works....433
Randall A L Co....413
Rawson W W & Co.. II
Raynor J I....411
ReadyRefer'nceAdv.425
Regan Print House..418
Reinberg Peter..407 422
Rice Bros.... 405
Rice James H Co....433
Robinson H M & Co.405
Roehrs Julius Co....423
Sander & Son 410
Shaaff M J....413
Scharff & Bros....421
Scheiden & Schoos..418
Schil o Adam....424
Schultheis Anton....421
Schulz Jacob 413
Scott John....405
Seligman Jno....411
SharpPartridge&Co.433
Sheridan W F....411
Siebricht Wm ...413 418
Sinner Bros. 407
Situations & Wants..403
Skidelsky S S....419
Smith Nathan & Son.418
Smith W & T Co.... I
Smits Jacs....417
Sprague Smith Co...433
Staer J....415
Standard Pump & Engine Co.... IV
Stearns Lumber Co.. IV
Stenzel Glass Co....424
Stern J & Co....433
Stokes Seed Store...415
Stoothoff H A & Co 432
Storrs & Harrison Co416
Styer J J.... II
Sylvester J....418
Syracuse Pottery Co.432
Taylor F G Seed Co. II
Thompson J D Carnation Co.... I
Thorburn J M & Co. II
Totty Chas H 411
Traendley& Schenck411
VanHoutte PereSons423
Van Mol Julius....415
Vaughan & Sperry...407
Vaughan's Seed Store ....I II 413 415 421
Vick's Sons Jas....II
Vincent R Jr & Son..422
Virgin U J....412
Weathered & Co 434
Weber F C....412
Weber H & Sons....423
Weeber & Don.... II
Weiland & Risch....407
Welch Bros....409
Whilldin Pot Co....432
Wiboltt R II
Wietor Bros....407
Wild C & M....417
Wild Gilbert H....417
Wilson Andrew 404
Wilson Robt G....412
Winandy Bros III
WintersonEF Co....417
WittboldGeo Co.407 422
Wolf A Q & Bro....424
Wolf John....422
Wood Bros....418
Wrede H.... II
Young A L & Co....411
Young Thos....411
Zech & Mann....407

H. M. HOOKER CO.

Window Glass, Paints and Putty. Greenhouse Glass a Specialty.

59 W. Randolph St., CHICAGO.

Please mention the American Florist when writing.

STENZEL GLASS CO.,

GREENHOUSE GLASS.

French and American "WHITE ROSE" Brand.

2 Hudson St., NEW YORK.

Please mention the American Florist when writing.

—THE—

Florists' Hail Association

Insures over 23,000,000 square feet of glass. for particulars address

JOHN G. ESLER, Sec'y, SADDLE RIVER, N. J.

Please mention the American Florist when writing.

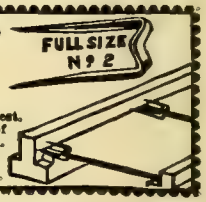
Holds Glass Firmly

See the Point of PEERLESS

Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.

HENRY A. DREER, 714 Chestnut St., Phila., Pa.

FULL SIZE No 2



Tobacco Dust

FOR FUMIGATING.

It would pay large users of dust to communicate with us and get samples and prices.

Edwin L. Koppelman & Co., 81 PINE STREET, NEW YORK.

Please mention the American Florist when writing.

LUMBER

for Greenhouse Benches, Ship Lap, Drop Siding, Sheathing, Flooring, White Cedar Posts, Etc.

We are in special position to furnish **"PECKY CYPRESS"** everything in **PINE** and **HEMLOCK BUILDING LUMBER.** **WRITE FOR PRICES.**

Adam Schillo Lumber Co. Cor. Weed and Hawthorn St., **CHICAGO.** Tel. North 1626 and 1627.

Please mention the American Florist when writing.

The New **WOLF PIPE**

Ventilating MACHINES

Uses all roller bearing hangers, circular cut gear steel arms, furnished for all kinds of houses

A. Q. WOLF & BRO., Dayton, Ohio.

AMERICAN FLORIST ADVERTISING RATES.

Our advertising rates are 4s 2d per inch, single column width, £6 3s 3d per page of thirty inches. with discounts on consecutive insertions as follows:

6 insertions.....5 per cent.	26 insertions.....20 per cent.
13 insertions.....10 per cent.	52 insertions.....30 per cent.

Space on front pages and back cover page is sold only on yearly contract at 4s 2d per inch net. Remit by foreign postoffice money order.

ANZEIGERATEN DES AMERICAN FLORIST.

Unsere Anzeigeraten sind: für den Zoll der einzelnen Spalte, $1.00 (M. 4.17); für die Seite 30 Zoll, $30 (M. 125). Bei mehrmaligen Einrückungen werden Diskontoraten gewährt, wie folgt.

6 Einrückungen.....5%;	26 Einrückungen.....20%;
13 Einrückungen.....10%;	52 Einrückungen.....30%

Raum auf den vorderen Seiten und auf der Rückseite des Umschlages wird nur in Jahreskontrakten und zu $1.00 (M. 4.17) den Zoll netto abgegeben. Zahlungen sind mittels Postanweisung erbeten.

TAUX D'ANNONCES DANS L'AMERICAN FLORIST.

Nos taux d'annonces sont $1.00 (Frs. 5-15) par pouce, largeur simple colonne, $30.00 (Frs. 154-50) par page de trente pouces avec escomptes sur les insertions consécutives, comme suit:

6 insertions.....5 pour cent.	26 insertions.....20 pour cent.
13 insertions.....10 pour cent.	52 insertions.....30 pour cent.

La place occupée par des annonces sur la première et la dernière couverture ne s'accorde que par contrat annuel au taux de $1.00 (Frs. 5-15), net, par pouce. Faites remise par Mandat-poste international.

Ready Reference Advertising.

ADVERTISEMENTS IN THIS DEPARTMENT 10 CENTS PER LINE, CASH WITH ORDER. COPY MUST REACH US MONDAY OF THE WEEK IN WHICH IT IS TO APPEAR

ALTERNANTHERAS.

Alternantheras, red and jellow, $2 per 100; $15 per 1,000. R. Vincent, Jr., & Son, White Marsh, Md.

ALYSSUM.

Alyssum, dbl. giant, 2-in., 2c. Byer Bros., Chambersburg, Pa.

AMPELOPSIS.

Ampelopsis. Jackson & Perkins Co., Newark, N. Y.

ANTHERICUM.

Anthericums. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

ARAUCARIAS.

Araucaria Excelsa, 6-in., 16 ins., 4 whls., $1 each; $12 per doz. 6-in., 18 ins., 4 whls., $1.25 each; $15 per doz. 7-in., 22 ins., 5 whls., $1.50 each; $18 per doz. Glauca, 5-in., 12 ins., 3 whls., $1 each; $12 per doz. 6-in., 13 to 15 ins., 3 to 4 whls., $1.25 each; $15 per doz. 7-in., 18 to 20 ins., 4 to 5 whls., $1.50 each; $18 per doz. 7-in., 22 to 24 ins., 4 to 5 whls., $2 each; $24 per doz. 9-in., 30 ins., 4 to 5 whls., $3 each. 9-in., 34 ins., 5 whls., $4 each. Robusta Com., 5-in., 10 ins., 2 whls., $1 each; $12 per doz. 6-in., 12 ins., 2 to 3 whls., $1.50 each; $18 per doz. 7-in., 28 ins., 5 whls., $3 each. 8-in., 32 ins., 5 to 6 whls., $4 each. Vaughan's Seed Store, Chicago and New York.

Araucarias, Excelsa, 12 to 14 ins., 5½-in. pots, 3 to 4 trs., 2-yr., 50c; 14 to 16 ins., 5½-in. pots, 3 to 4 trs., 2-yr. 60c; 16 to 18 ins., 5½ to 6-in. pots, 4 to 5 trs., 3-year, 75c; 18 to 20 ins., 6-in. pots, 5 to 6 trs., 4-yr., $1; 20 to 24 ins., 6-in. pots, 5 to 6 trs., 4-yr., $1.25; 36 to 50 ins., Specimen, 7-in. pots, 5 to 6 trs., 6-yr., $2.50 to $3. A. Compacta Robusta, 12 to 20 ins. high, 3 to 4 trs., 20 to 30 ins., 4 to 5-yr., 6 to 7-in., $1.25, $1.50, $1.75, $2 up to $3 each. A. Excelsa Glauca, 6 to 7-in. pots, 3, 4 and 5 trs., 15 to 25 ins., $1.25, $1.50, $1.75, $2, $2.50 each. G. Aschmann, 1012 Ontario St., Philadelphia.

Araucaria excelsa, 5-in., 8 to 10 ins., 3 trs., 65c each; 6-in., 12 to 14 ins., 3 to 4 trs., 75c; 6-in., 14 to 16 ins., 4 trs., $1; 6-in., 16 to 18 ins., 4 trs., $1.25; 7-in., 20 to 22 ins., 5 trs., $1.50. Excelsa glauca, 5-in., 8 ins., 2 trs., 75c; 6-in., 13 to 15 ins., 3 trs., $1.25; 7-in., 22 to 24 ins., 4 to 5 trs., $2. Robusta Compacta, 6-in., 10 ins., 2 to 3 trs., $1.25; 6-in., 12 ins., 3 trs., $1.50. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Araucaria Excelsa, 4-in., 2 to 3 trs., 35c each; $4 per doz.; 5-in., 3 trs., 75c each; $9 per doz.; 6-in., 3 to 4 trs., $1 each; $12 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Araucarias. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

Araucaria Excelsa. R. Dreyer, Woodside, L. I., N. Y.

Araucarias. L. Van Houtte Pere, Ghent, Belgium.

ASPARAGUS.

Asparagus plumosus, 2-in., $3 per 100; 3-in., $6. Sprengeri, 2-in., $3 per 100; 3-in., $6; 4-in., $1.25 per doz.; 5-in., $2. Scandens Defi, 3-in., $1.50 per doz.; 4-in., $2 per doz. George Wittbold Co., 1657 Buckingham Pl., Chicago.

Asparagus plumosus, 2-in., $3 per 100; $25 per 1,000. 2½-in., $4 per 100; $40 per 1,000. 3-in., $7 per 100; $65 per 1,000. Strong seedlings, $1.50 per 100; $12 per 1,000. Vaughan's Seed Store, Chicago and New York.

15,000 Asparagus plumosus nanus. Fine young plants from 2¼-in. pots, worth $3, to close out, $1.50 per 100; $15 per 1,000. The W. T. Buckley Co., Springfield, Ill.

Asparagus plumosus, 2¼-in., $2 per 100; $18 per 1,000; seedlings, $1 per 100. Sprengeri, 2¼-in., $2 per 100. Jos. H. Cunningham, Delaware, O.

Asparagus plumosus and Sprengeri, 2-in., $3 per 100; $25 per 1,000; from bench, $2.50 per 100; $20 per 1,000. Wm. Clark, Colorado Springs, Col.

Asparagus plumosus, 3-in., 6c; 4-in., 10c. G. Aschmann, 1012 Ontario St., Philadelphia.

Asparagus plumosus. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

Asparagus plumosus and Sprengeri, 4-in., $10; 3-in., $5; 2¼-in., $2.50 per 100. Seedlings, $10 per 1,000. Ludvig Mosbaek, Onarga, Ill.

Asparagus, strong 2½-in. plumosus plants at $2 per 100. J. W. Munk & Son, Mt. Gilead, Ohio.

Asparagus plumosus, 3-in., $5 per 100. Sprengeri, 3½-in., $6 per 100. Scharff Bros., Van Wert, O.

Asparagus plumosus, 2¼-in., $3 per 100. John Scott, Rutland Rd. and 45th St., Brooklyn, N. Y.

Asparagus plumosus, 2-in., $3; 5-in., $25. W. H. Gullett & Sons, Lincoln, Ill.

Asparagus Sprengeri, 3-in., $5 per 100. Plumosus, 3-in., $6 per 100; 2-in., $2.50 per 100; $20 per $1,000. Wm. F. Kasting, 383 Ellicott St., Buffalo, N. Y.

Asparagus, 2½-in., Sprengeri, $3 per doz. 8-in., 5 to 6 lvs., 45 ins., $3 each; 100; $25 per 1,000; field clumps, $6 per 100. J. W. Dunford, Clayton, Mo.

Asparagus Sprengeri, 3-in., $4 per 100; $35 per 1,000. Plumosus, 3-in., $5 per 100; $45 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Asparagus Sprengeri, 2-in., $2.50 per 100; plumosus, 2-in., $3 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus Sprengeri, 2½-in., $4 per 100. Scheiden & Schoos, Evanston, Ill.

Asparagus Sprengeri, 2½-in., $2 per 100. Byer Bros., Chambersburg, Pa.

ASPIDISTRA.

Aspidistras, all sizes. Write for prices. Frank Huntsman, Cincinnati, Ohio.

Aspidistras. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

AZALEAS.

Azaleas. L. Van Houtte Pere, Ghent, Belgium.

Azaleas. Jacs Smits, Ltd., Naarden, Holland.

BAY TREES.

Bay trees. A. Schultheis, 19th and 4th Ave., College Point, L. I., N. Y.

Bay trees, fine stock. R. Dreyer, Woodside, L. I., N. Y.

Bay trees. L. Van Houtte Pere, Ghent, Belgium.

BEGONIAS.

Begonia Rex. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

Begonia Rex, 2 and 2½-in., $5 per 100. Geo. M. Emmans, Newton, N. J.

Rex Begonias, 2-in., 4c. Byer Bros., Chambersburg, Pa.

Begonias. L Van Houtte Pere, Ghent, Belgium.

BOXWOOD.

Boxwood pyramids. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

BULBS, ROOTS, TUBERS.

Bulbs. L. Harrisii, R. hyancinths, P. W. narcissus, freesias. Weeber & Don, 114 Chambers St., New York.

Bulbs, hyacinths, white, $2.50 per 100; $23 per 1,000; Dutch, named, $2 per 100; $17.50 per 1,000; mixed, $2.50 per 100; $22.50 per 1,000; named, 1st size, $6.25 per 100; $60 per 1,000; 2nd size, $4.25 per 100; $40 per 1,000. Tulips single, separate colors, $1 per 100; $8.50 per 1,000; extra mix., 90c per 100; $7.50 per 1,000; fine mixed, 75c per 100; $6 per 1,000; double, separate colors, $1.15 per 100; $10 per 1,000; extra mix., $1 per 100; $8.50 per 1,000; mixed, 85c per 100; $7 per 1,000. Narcissus, Von Sion, double nosed, $2.25 per 100; $20 per 1,000; 1st size, $1.60 per 100; $14.50 per 1,000; 2nd size, $1.25 per 100; $10 per 1,000. Paper White, 90c per 100; $8 per 1,000, grandi., $1.25 per 100; $10 per 1,000. Callas, 1½ to 2 diam., $6 per 100; $55 per 1,000; 2 to 3 diam., $10 per 100; $95 per 1,000. Freesias, ¾-in. diam., 85c per 100; $7.50 per 1,000; mammoth, $1.25 per 100; $10 per 1,000. Perennial Gardens Co., Toledo, O.

Bulbs, freesias, Fisher's Purity, 2d grade, $2.50 per 100; $20 per 1,000. Bermuda grown, $9 per 1,000; $1.25 per 100; French grown, $10 per 1,000; $1.40 per 100; jumbo size, $12 per 1,000; $1.75 per 100. W. W. Rawson & Co., 5 Union St., Boston, Mass.

Bulbs, La Reine tulips, per 100, $1.25; per 1,000, $9. White callas, 1¼ to 1½ in., $4.75 per 100; 1¾ to 2 ins., $6.75; 2 to 2½ ins., $10; monsters, $12. Stokes Seed Store, 219 Market St., Philadelphia.

Bulbs, home-grown freesias, large size, $1 per 100; $7 per 1,000; blooming size, 75c per 100; $4.50 per 1,000; small blooming size, 50c per 100; $3.50 per 1,000. Stokes Seed Store, 219 Market St., Philadelphia.

Bulbs, Callas, 1½ to 2 in., $7 per 100; $65 per 1,000, 2 to 2½ in., $11 per 100. Roman Hyacinths, Paper Whites and freesias. Vaughan's Seed Store, Chicago and New York.

Bulbs, Romans, Paper Whites, also Dutch bulb stock in full assortment. Our prices f. o. b. Denver, are to Western buyers' advantage. Barteldes Seed Co., Denver, Col.

Bulbs, hyacinths, tulips, narcissus, crocus, lilies, callas, freesias. James Vick's Sons, Rochester, N. Y.

Bulbs, hyacinths, tulips, narcissus, crosus, lilies, etc. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs, Narcissus Empress and Henry Irving, Candidum lilies. E. F. Winterson Co., 45 Wabash Ave., Chicago.

Bulbs of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Bulbs of all kinds. Currie Bros. Co., 308 Broadway, Milwaukee, Wis.

Cannas, 5 vars., field-grown clump, $15 per 100. Jos. H. Cunningham, Delaware, O.

Cannas of all vars. Dingee & Conard Co., West Grove, Pa.

Cannas in var. Ludvig Mosbaek, Onargo, Ill.

Cannas. John Wolf, Ott and Anderson St., Savannah, Ga.

Iris, German, mixed vars., $2 per 100. James Vick's Sons, Rochester, N. Y.

Lily of the valley, finest cold storage pips. H. N. Bruns, 1409-11 W. Madison St., Chicago.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

CACTI.

Cacti. All the Mexican varieties are sold by J. Balme & Co., Mexico City, P. O. Box 628. Illustrated and descriptive culture catalogue sent on receipt of 10c in postage stamps. Price list free.

If you do not find what you need in our Ready Reference Department, write us about it.

CAMELLIAS.

Camellias, Julius Roehrs Co., Rutherford, N. J.

CARNATIONS.

CARNATIONS.

	100	1,000		100	1,000
Pink.			White.		
Fiancee...$6			B. Market$5		$45
Lawson . . 6		$50	F. Burki.. 7		60
N. Fisher. 7		60	F. Hill... 5		45
G. Angel.. 4		35	W. Cloud.. 5		45
M. Glory.. 4		35	Red and Crimson.		
White.			Chicago . .$5		$45
L. Peary.. 8		75	H'warden. 6		50

Wietor Bros., 51 Wabash Ave., Chicago.

Carnations, field-grown, Cardinal, W. Lawson, small, $4 per 100. W. Lawson, very small, $3 per 100. Harlowarden, med., $4 per 100; very small, $2.50 per 100. Enchantress, med., $6 per 100; small, $5 per 100; very small, $4 per 100. Prosperity, good, $3.50 per 100. Fair Maid, med., $5 per 100. Skyrocket, good, $6 per 100. Glendale, good, $10 per 100. Chicago Carnation Co., Joliet, Ill.

FIELD-GROWN CARNATIONS.

White.	per 100	Pink.	per 100
Lady Bountiful.$7		Prosperity $6	
Boston Market.. 5		Crimson.	
Pink.		Harlowarden.... 5	
Enchantress ... 6		Scarlet.	
Mrs. Lawson.... 5		Red Lawson.... 6	
Fiancee 6			

H. W. BUCKBEE,

Forest City Greenhouses, Rockford, Ill.

Carnations, Lawson, Estelle, $5 per 100; $40 per 1,000. Nelson, G. Angel, Higinbotham, F. Hill, Queen Louise, W. Cloud, Mrs. Ine, Armazindy, $3 per 100; $25 per 1,000. Enchantress, $7 per 100; $60 per 1,000. M. Glory, $4 per 100; $30 per 1,000. B. Market, $4 per 100; $35 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

Carnations, Lawson, M. Glory, F. Hill, $4.50 per 100; $40 per 1,000. B. Market, Enchantress, $5 per 100; $45 per 1,000. Crusader, $5 per 100. Prosperity, $4 per 100. G. Angel, Peru, Glacier, Harlowarden, Roosevelt, $4 per 100; $35 per 1,000. Bountiful, $6 per 100. Crabb & Hunter, Grand Rapids, Mich.

CARNATIONS, fine large plants.

Per 100		Per 100	
Cardinal $6		Boston Market.$5	
The Belle 6		Mrs. Patten 5	
Fair Maid 6		Red Sport of	
Sunbird 6		Maceo 4	

A. C. Canfield, Springfield, Ill.

Carnations, Lawson, Enchantress, $5 per 100; $40 per 1,000. B. Market, $4 per 100; $30 per 1,000. Harlowarden, Crusader, $4 per 100; $35 per 1,000. G. Angel, $3 per 100; $25 per 1,000. Scheiden & Schoos, Asbury and Warren Aves., Evanston, Ill.

Carnations, Mrs. Lawson, Avondale, Glacier, E. Crocker, Eclipse, Phyllis, etc., $6 per 100; $55 per 1,000. Enchantress, $7 per 100; $60 per 1,000. Rose pink Enchantress, $15 per 100. Nathan Smith & Son, Adrian, Mich.

Carnations, field-grown, White Perfection, $12 per 100. W. Lawson, Cardinal, The Belle, Lady Bountiful, Fiancee, $7 per 100. The Queen, F. Burki, H. Fenn, $6 per 100. F. Dorner & Sons Co., La Fayette, Ind.

Carnation plants, field grown, Lawson, Joost, Prosperity, Queen Louise, Boston Market, Flamingo, Harry Fenn, Lord, Enchantress, Queen, $5 per 100; $45 per 1,000. Holton & Hunkel Co., Milwaukee, Wis.

Carnations, Q. Louise, Prosperity, Harlowarden, America, Wolcott, Her Majesty, $5 per 100. Lady Bountiful, $7 per 100. Joost, Kohinoor, $4 per 100. C. H. Frey, Lincoln, Neb.

Carnations, field-grown, No. 1 stocky plants, Lawson, Mrs. Nelson, Harlowarden, Joost, Norway, $5 per 100. William L. Rock Flower Co., Kansas City, Mo.

Carnations, field-grown, B. Market, W. Cloud, Norway, F. Hill, Joost, Lord, $5 per 100; $45 per 1,000. W. H. Gullett & Sons, Lincoln, Ill.

Carnations, 1,500 Lawson, 300 Crane, 3c. Good plants. Cash. Kring Bros., Fairbury, Ill.

Carnations, Enchantress, Flamingo, $5 per 100; $45 per 1,000. Prosperity, Crane, $4.50 per 100; $40 per 1,000. M. Glory, Glacier, $4 per 100; $35 per 1,000. Blanksma Bros., Grand Rapids, Mich.

Carnations, extra strong, healthy plants, the following varieties at $3 per 100; 600 Queen Louise, 100 Wolcott, 100 Prosperity. J. W. Munk & Son, Mt. Gilead, Ohio.

Carnations, field-grown, Patten, Fiancee, Cardinal, Sunbird, Fair Maid, $5 per 100. Belle, $6 per 100. Prospector, $4 per 100. S. S. Skidelsky, 824 N. 24th St., Philadelphia.

Carnations, Red Lawson, $6 per 100; $50 per 1,000. P. Lawson, Queen, Q. Louise, $5 per 100; $40 per 1,000. Fiancee, $5 per 100. C. Merkel & Son, Mentor, O.

Carnations, Flamingo, Prosperity, Wolcott, Harlowarden, $6 per 100; $50 per 1,000. Norway, $4 per 100; $30 per 1,000. J. W. Dunford, Clayton, Mo.

Carnations, Abundance, field-grown, 1st size, $12 per 100; $100 per 1,000; 2nd size, $10 per 100; $75 per 1,000. R. Fischer, Great Neck, L. I., N. Y.

Carnations, field-grown, Crane, Prosperity, Joost, Queen Louise, Boston Market, $3 per 100. Fine plants. Thos. Salveson, Petersburg, Ill.

Carnation plants. About 750 Wolcott, short stocky plants that will please, $5 per 100. Henry F. Piggott, 2311 Pearl St., Cleveland, O.

Carnations, Victory and Robert Craig, medium, field plants, $1.50 per doz.; $12 per 100. Vaughan's Seed Store, Chicago and New York.

Carnation Victory, field-grown, 1st size, $15 per 100; 2nd size, $12; 3rd size, $10. Guttman & Weber, 43 W. 28th St., New York.

Carnations, Enchantress, $5 per 100; $45 per 1,000. Mrs. T. Lawson, $4.50 per 100; $35 per 1,000. Eli Cross, Grand Rapids, Mich.

Carnations, Enchantress, $6 per 100; Joost, Prosperity, Wolcott, New Daybreak, $5 per 100. M. J. Schaaf, Dansville, N. Y.

Carnations, field-grown, 1,000 W. Cloud, 800 Sports, $4 per 100. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Carnations, Enchantress, Lawson, Q. Louise, $5 per 100. Pittsburg Florists' Exchange, 228 Diamond St., Pittsburg, Pa.

Carnations, Lawson, 2nd size, $20 per 1,000. Brant & Noe Flo. Co., W. Peterson and N. 48th aves., Chicago.

Carnations, Enchantress, $6; Prosperity, G. Lord, Q. Louise, Estelle, $5. Central Greenhouses, Sandusky, O.

Carnations, Wolcott, Prosperity, $4 per 100; $35 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Carnations, Lady Bountiful and Phyllis. E. F. Winterson Co., 45 Wabash Ave., Chicago.

Carnation Mabelle, new, $12 per 100; $100 per 1,000. H. Weber & Sons Co., Oakland, Md.

Carnation Aristocrat, $12 per 100. Chicago Carnation Co., Joliet, Ill.

Carnation, Bertha Rath. R. Dreyer, Woodside, L. I., N. Y.

Carnations, for fall delivery. Wood Bros., Fishkill, N. Y.

Carnations. J. D. Thompson Carnation Co., Joliet, Ill.

Carnations, field-grown. E. T. Grave, Richmond, Ind.

CHRYSANTHEMUMS.

Chrysanthemums, G. of Pacific, Polly Rose, Soleil d'October, Robinson, Ivory, Appleton, Pink Ivory, $3 per 100. J. Jones, Mrs. Robert McArthur, Mrs. Coombes, G. Wedding, Yellow Eaton, Monrovia, $4 per 100. Lady Roberts, A. J. Balfour, Wm. H. Chadwick, $6 per 100. Glenview, $25 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Chrysanthemum novelties. Chas. H. Totty, Madison, N. J.

Chryanthemums. Wood Bros., Fishkill, N. Y.

Chrysanthemums. Time yet to secure a crop of Xmas bloom; also a crop of dollars by planting the queen of late 'mums, Jeanne Nonin. Only a few thousand left of our immense stock, 4-in., 10c; 2½-in., 5c; R. C., 3c, and going fast. W. J. Olds, Union City, Pa.

Chrysanthemums, 5,000 best sorts, 2½-in. pot plants. Benj. Connell, West Grove, Pa.

CIBOTIUMS.

Cibotium Schiedei. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

COBOEA.

Coboea Scandens, 4-in., $8 per 100. Godfrey Aschmann, 1012 Ontario St., Philadelphia, Pa.

CROTONS.

Crotons. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

Crotons. Julius Roehrs Co., Rutherford, N. J.

CYCLAMENS.

Cyclamens, giganteum splendens, five colors, Rokoko, Low's Pioneer, Butterfly, fringed, lilac, salmon, 3-in., $6 per 100; 4-in., $10 per 100. J. Sylvester, Oconto, Wis.

Cyclamens, 3 and 4-in., $8 to $10 per 100. Siebrecht & Son. New Rochelle, N. Y.

Cyclamen, Geo. A. Kuhl, Pekin, Ill.

DAHLIAS.

Dahlias, improved Countess of Lonsdale, cactus type, 6 for $1; $1.75 per doz., $12 per 100. Arthur T. Boddington, 342 W. 14th St., New York.

Dahlia roots. R. Vincent, Jr. & Son, White Marsh, Md.

DAISIES.

Daisies, dbl., leading vars., $2.50 per 1,000. Byer Bros., Chambersburg, Pa.

Daisies. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

DEUTZIAS.

Deutzias, in variety. W. & T. Smith Co., Geneva, N. Y.

DRACAENAS.

Dracæna fragrans, 5-in., 50c each; $5 per doz.; D. indivisa, 2-in., $2.50 per 100; 6-in., 20 to 26 ins., 50c each; $5 per doz.; 7-in., 30 to 34 ins., 75c each; $9 per doz. D. Mass., 8-in., $2 each; 9-in., $3 each. D. Ter., 4-in., 25c each; $3 per dozen; 5-in., 35c each; $4.20 per dozen. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Dracænas, Regina, 4-in., 10c. Stricta grandis, 4-in., 15c. Lady Hume, 15c. Hybrida, 15c. Amabilis, 25c. Terminalis, 12c. Siebrecht & Son, New Rochelle, N. Y.

Dracæna indivisa, field-grown, 5-in., $15 per 100; 6-in., $25 per 100. Storrs & Harrison Co., Painesville, O.

Dracæna Terminalis and Fragrans. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

Dracæna indivisa, 4 and 5 in., $10 and $25 per 100. Geo. M. Emmans, Newton, N. J.

Dracæna Ind., 3-in., $5; 4-in., $10. Ludvig Mosbaek, Onarga, Ill.

Dracænas. Julius Roehrs Co., Rutherford, N. J.

FERNS.

Ferns, prepaid, Boston, 4-in., 18c; 5-in., 30c; 6-in., 45c; 8-in., $1.25; 10-in., $1.75; Pierson fern, 4-in., 20c; 5-in., 35c; 6-in., 50c; 8-in., $1.50; 10-in., $2 each. Anna Foster, same prices as Pierson fern. N. Wittboldi and N. Washingtoniensis, 2½-in., 6c; 3-in., 12c; 4-in., 25c; 6-in., 50c; 8-in., $2 each. N. Barrowsii, 2½-in., 8c; 3-in., 25c; 4-in., 40c; 6-in., 75c; 8-in., $2.50; 10-in., $4 each. N. Whitmani, 2½-in., 25c; 4-in., 60; 6-in., $1.25 each. N. Elegantissima, 2½-in., 8c each. B. N. Wichers & Co., Gretna, La.

Ferns, Boston, 4-in., 10c; 6-in., 30c; 8-in., 60c. Cash with order. Michler Bros. Co., Lexington, Ky.

If you do not find what you need in our Ready Reference Department, write us about it.

Ferns, Boston, 2½-in., 60c per doz.; $5 per 100. 3-in., $1.50 per doz.; $10 per 100. 4-in., $2.50 per doz.; $20 per 100. 5-in., 50c each; $5 per doz.; $40 per 100. 6-in. pans, 75c each; $8 per doz.; $60 per 100. 7-in., $1 each; $10 per doz.; $75 per 100. 8-in., $1.50 each, $15 per doz. 9-in., $2 to $2.50 each. 10-in., $3 to $3.50 each. 12-in., $4 to $5 each. Ferns for dishes, asst., 2¼-in., $3 per 100; $25 per 1,000. Vaughan's Seed Store, Chicago and New York.

Ferns, Boston, strong runners, $2 per 100; 5-in., $25 per 100; 6-in., $40 per 100; 7-in., $60; 8-in., $75 per 100; 10-in., $1.50 each. Piersoni, 5-in., $25 per 100; 6-in., $40 per 100; 7-in., $60. Scottii, 5-in., $25 per 100; 6-in., $40 per 100; 7-in., $60 per 100. Elegantissima, 2½-in., $5 per 100. Whitmani, young plants from bench, $10 per 100. Davis Bros., Morrison, Ill.

Ferns, Adiantum Capillus, 5-in., $2 per doz. Boston, 4-in., $1.50 per doz.; 5-in., $3; 6-in., $4.20; 6-in., strong, $6; 7-in., $9. Large specimens, $1.50, $2, $3 each. Assorted ferns for dishes, $3 per 100; $25 per 1,000. Scottii, 10-in., $2 each. Fern Balls, 7 to 9 dormant or in leaf, $4.20 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Ferns, Anna Foster, Boston, Piersoni and Sword, 6-in., $40 per 100; $6 per doz.; 4-in., $15; 3-in., $8. Elegantissima, 4-in., $40; 3-in., $15; 2¼-in., $10 per 100. Boston and Piersoni runners, $30 per 1,000. Ludvig Mosbaek, Onarga, Ill.

Ferns, Boston and Piersoni, 4-in., 10c; 5-in., 12½c; Boston, 6 and 7-in., 15c; 3-in., 5c; Tarrytown, 3-in., 10c; 4-in., 15c; 5-in., 25c; runners, $20 per 1,000; Scottii, 3-in., 8c; 4-in., 12½c; 5-in., 15c. Byer Bros., Chambersburg, Pa.

Ferns, N. Barrowsii, 6-in., 50c; 4-in., 25c. Scottii, 6-in., 50c; 5½-in., 40c; 5-in., 35c; 4-in., 20c to 25c. Boston, 4-in., 20c to 25c. Ferns for dishes, 2½-in., $5 per 100; 3-in., 7c. G. Aschmann, 1012 Ontario St., Philadelphia.

Ferns, Scottii, small plants, from benches, $5 per 100; $50 per 1,000. Plants for 6-in. pots, $25 per 100; plants for 7 and 8-in. pots, $50 per 100. John Scott, Rutland Rd. and 45th St., Brooklyn, N. Y.

Ferns, N. Piersoni Elegantissima, 2¼-in. pots, $12 per 100; specimen plants, 6-in., $1 each; 8-in., $2; 10-in., $3; 12-in., $5; 14-in., $7.50; 16-in., $10. F. R. Pierson Co., Tarrytown-on-Hudson, N.Y.

Ferns, mixed for ferneries, 2¼-in. pots (no adiantums or Boston ferns), $2.50 per 100. Cash with order. Wm. A. Clark & Son, 44 Bond St., Watertown, N. Y.

Ferns, Bird's Nest, Scottii, Elegantissima, Piersoni, Boston, Johnsoni, Fern balls. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

Ferns, N. Whitmani, 2¼-in., $25 per 100. Boston, 2¼-in., $3 per 100. H. H. Barrows & Sons, Whitman, Mass.

Ferns, Boston, from bench, for 4 and 5-in., $10 and $15 per 100. J. W. Dunford, Clayton, Mo.

Ferns, Boston, 5-in., 30c each. Piersoni, 6-in., 50c. each. Geo. M. Emmans, Newton, N. J.

Ferns, from $2 to $24 per doz. in 2 to 6-in. pots. C. H. Totty, Madison, N. J.

Ferns, Bostons, splendid stock at 25c. Holton & Hunkel Co., Milwaukee, Wis.

Ferns, Boston, 4 and 5-in. John Wolf, Ott and Anderson St., Savannah, Ga.

Fernery ferns, 2½-in., at $3 per 100. Holton & Hunkel Co., Milwaukee, Wis.

Ferns, all leading varieties. R. Dreyer, Woodside, L. I., N. Y.

Ferns, Farleyense. Julius Roehrs Co., Rutherford, N. J.

Ferns of all vars. Geo. A. Kuhl, Pekin, Ill.

FICUS.

Ficus elastica, 5-in., 12 to 14 ins., $5 per doz.; $40 per 100. Vaughan's Seed Store, Chicago and New York.

Ficus elastica, 6-in., 50c each. G. Aschmann, 1012 Ontario St., Philadelphia.

Ficus. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

GARDENIAS.

Gardenia Veitchii. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

GERANIUMS.

Geraniums, from 2-in. pots. Alliance, Lemoine 1905, 25c each; $2 per doz. Fleuve Blanc, $1.50 per doz.; $10 per 100. Cactus, 4 vars., $2 per doz.; $15 per 100. Double Dryden, $1 per doz.; $5 per 100. Nutt, La Pilote, Poitevine, Mme. Barney, Centaure, Kendall, Mme. Jaulin, Viaud, Mme. Charlotte, 40c per doz.; $2 per 100; $18 per 1,000. Ville de Poitiers, M. de Castellane, Berthe de Presilly, M. Jolly de Bammeville, T. Meehan, 50c per doz.; $3 per 100; $25 per 1,000. R. Vincent, Jr. & Son, White Marsh, Md.

Geraniums, rooted cuttings, Nutt, Perkins, Buchner, Doyle, $1.25 per 100; $12.50 per 1,000. Viaud, Jaulin, Poitevine, L. Francis, Ricard, Castellane, Trego, $1.50 per 100; $15 per 1,000. Peter Henderson, $2 per 100; $20 per 1,000. Fleuve Blanc, $5 per 100; $50 per 1,000. Field plants, Nutt. Castellane, Ricard, ready for 3-in., $2 per 100. A. M. Herr, Lancaster, Pa.

Geraniums, S. A. Nutt, Castellane, John Doyle, Perkins, Double Gen. Grant, La Favorite, Poitevine, Mme. Salleroi, 2-in. pots, $2 per 100; 3-in. pots, $4 per 100. R. C., $1 per 100. Geo. M. Emmans, Newton, N. J.

Geraniums, Mrs. Hill, Poitevine, Trego, Buchner, strong 2½-in., $1.50 per 100. The W. T. Buckley Co., Springfield, Ill.

Geraniums, stock plants, standard vars., $6 per 100; $50 per 1,000. Ludvig Mosbaek, Onarga, Ill.

GLOXINIAS.

Gloxinias. L. Van Houtte Pere, Ghent, Belgium.

GREENS.

Greens, dagger and fancy ferns, $1 per 1,000. Bronze and green galax, $1 per 1,000; 10,000 lots, $7.50. Bouquet green, per 100 yds., $7. Laurel festooning, 5c and 6c per yd. Laurel wreaths, $3 per doz.; branch laurel, per bunch, 50c. Boxwood, per lb., 20c. Leucothoe sprays, per 100, $1. Green and Spaghnum moss, $1 per barrel. Lyrata (new). H. M. Robinson & Co., 8 Province St., Boston, Mass.

Greens, galax, leaves, ferns and leucothoe sprays, holly. Princess pine, all kinds of evergreens. Galax leaves, $1 per 1,000. N. Lecakes & Co., 53 W. 28th St., New York.

Greens, galax, 60c per 1,000; $5 per case of 10,000; $2.75 per case of 5,000. C. W. Brooks, Laurelbranch, N. C.

Decoration Material, fancy fern leaves, also galax, green sheet moss, etc. Ask for latest price list. Barteldes Seed Co., Denver, Col.

Greens, cut palmetto and cycas palm leaves, galax, leucothoe, ferns, mosses and all decorating evergreens. The Kervan Co., 20 W. 27th St., New York.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 52 W. 28th St., New York.

Greens, fancy ferns, $1 per 1,000. Galax, $1.25. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. A. J. Fellouris, 52 W. 28th St., New York.

Greens, fancy or dagger ferns, 75c. Perkins, Newark, N. J.

Greens, fadeless sheet moss and wild smilax. E. A. Beaven, Evergreen, Ala.

HIBISCUS.

Hibiscus Syriacus Meehani. P. J. Berckmans Co., Inc., Augusta, Ga.

HONEYSUCKLES.

Honeysuckles, 4-in. pots, $8 per 100. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

HYDRANGEAS.

Hydrangea rosea, 3-in., $1 per doz.; $8 per 100. Otaksa and Thos. Hogg, 4-in., 2 to 3 branches, $10 per 100; 3 to 4 branches, $15 per 100. Vaughan's Seed Store, Chicago and New York.

Hydrangeas, Hortensia and Otaksa, 6 to 7-in., $12 per 100; specimens for 10 to 12-in., $60 per 100. Storrs & Harrison Co., Painesville, O.

Hydrangea Otaksa, field-grown, $1.50 and $2 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Hydrangea Arborescens Alba Grandi. E. G. Hill Co., Richmond, Ind.

Hydrangeas. Jackson & Perkins Co., Newark, N. Y.

IVY.

Ivy, hardy English, $2 per 100; $15 per 1,000. R. Vincent, Jr. & Son, White Marsh, Md.

Ivy, English. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

JERUSALEM CHERRIES.

Jerusalem cherries, 3½-in. in bloom, $4 per 100. J. W. Dunford, Clayton, Mo.

Jerusalem cherries, field-grown, 4-in., 3c. Byer Bros., Chambersburg, Pa.

Jerusalem cherries. Geo. A. Kuhl, Pekin, Ill.

MARANTAS.

Maranta Lietzii, 2½-in., $1 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

MUSHROOM SPAWN.

Mushroom Spawn, "Pure Culture" spawn, and importers of English mushroom spawn. Knud Gundestrup & Co., 4273 Milwaukee Ave., Chicago.

Mushroom spawn, fresh New Culture Spawn always in stock for quick delivery at eastern prices. Barteldes Seed Co., Denver, Col.

Mushroom spawn, Columbia, Alaska, Bohemia. Cochran Mushroom & Spawn Co., 911 Chemical Bldg., St. Louis, Mo.

Mushroom Spawn, English and pure culture. Weeber & Don, 114 Chambers St., New York.

Mushroom Spawn, frequent importations from England. J. J. Styer, Concordville, Pa.

NURSERY STOCK.

Nursery stock, hothouse, grape vines, fine, strong 2 and 3 year old canes, Black Hamburg, Muscat, Alexander and other varieties. Rose Hill Nurseries, New Rochelle, N. Y.

Nursery stock, shade trees, fruit trees, small fruits, shrubs, clematis, Barberry Thunbergii. W. & T. Smith Co., Geneva, N. Y.

Nursery stock, trees and shrubs. Price list on application. Peterson's Nursery, 503 W. Peterson Ave., Chicago.

Nursery stock, evergreen and deciduous flowering shrubs and vines. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, Biota aurea nana, conifers, oranges, etc. P. J. Berckmans Co. (Inc.), Augusta, Ga.

Nursery stock, pot - grown shrubs, conifers and ornamental stock. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, large trees, oak, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, plants and shrubbery of all kinds. Dingee & Conard Co., West Grove, Pa.

Nursery stock, fruit trees, evergreen and ornamental novelties. Levavasseur & Sons, Ussy and Orleans, France.

ORCHIDS.

Orchids. All the Mexican varieties are sold by J. Balme & Co., Mexico City, P. O. Box 628. Illustrated and descriptive culture catalogue sent on receipt of 10c in postage stamps. Price list free.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England; New York office, room 1, 235 Broadway.

If you do not find what you need in our Ready Reference Department, write us about it.

Orchids, C. Dowiana, C. Gigas, C. Mossiæ, C. Percivaliana, C. Speciosissima, C. Eldorado, C. superba, C. labiata, C. Leopoldii. Lager & Hurrell, Summit, N. J.

Orchids, Cattleya Trianæ, Orchid peat. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

Orchids, Cattleya Gigas. Jno. De Buck, Box 78, College Point, L. I., N. Y.

PALMS.

Palms, Kentia Bel., 5-in., 5 to 6 lvs., 18 to 20 ins., 75c each; $9 per doz.; $70 per 100. 6-in., 6 lvs., 20 to 22 ins., $1 each; $12 per doz. 6-in., 6 to 7 lvs., 24 ins., $1.25 each; $15 per doz. 7-in., 6 lvs., 26 to 28 ins., $1.50 each; $18 per doz. 7-in., 6 lvs., 28 to 30 ins., $2 each; $24 per doz. 7-in., 6 to 7 lvs., 32 to 34 ins., $2.50 each; $30 per doz. 7-in., 6 to 7 lvs., 35 ins., $3 each; $36 per doz. 8-in., 6 to 7 lvs., 40 ins., $3.50 each. 8-in., 6 to 7 lvs., 40 ins., heavy, $4 each. 9-in., tubs., 7 lvs., 36 to 40 ins., heavy, $5 each. 9-in., 7 lvs., 50 ins., heavy, $8 each. 12-in. pots, 8 lvs., 55 to 60 ins., heavy, $12 each. Kentia Fors., 3-in., 8 to 10 ins., $2 per doz.; $15 per 100. 4-in., 5 to 6 lvs., 15 to 16 ins., $4 per doz.; $30 per 100. 5-in., 5 to 6 lvs., 24 ins., 75c each; $9 per doz. 6-in., 5 to 6 lvs., 26 to 30 ins., $1 each; $12 per doz. 6-in., 6 lvs., 28 to 30 ins., $1.25 each; $15 per doz. 6-in., 6 lvs., 34 to 36 ins., $1.50 each; $18 per doz. 7-in., 6 lvs., 36 to 40 ins., $2 each; $24 per $36 per doz. 8-in., 6 to 7 lvs., 45 to 50 ins., $3.50 each. 8-in., 6 to 7 lvs., 50 to 55 ins., $4 each. 9-in., 6 lvs., 55 to 60 ins., $4.50 each. 10-in. tubs, 6 to 7 lvs., 65 ins., $6 each. 10-in., 6 to 7 lvs., 70 ins., $7 each. 12-in. pots, 6 lvs., 75 ins., $8 each. Made-up Fors., 8-in., 3 plants in pot, 40 ins., $3 each. 8-in., 3 plts., 40 to 45 ins., $3.50 each. 9-in., 3 plts., 50 ins., $4 each. 9-in., 3 plts., 55 ins., $4.50 each. 9-in., 3 plts., heavy, 60 ins., $5.50 each. 9-in. tubs, 3 plts., heavy, 65 ins., $6 each. 9-in., tubs, 3 plts., heavy, 70 ins., $7 each. 10-in., 5 plts., 55 ins., $6 each. Cycas Revoluta, 1 to 6 lbs., 50c per lb. Vaughan's Seed Store, Chicago and New York.

Palms, Areca lutescens, 5-in., 50c each; $5 per doz. Cocos, 2½-in., $1.50 to $1.75 per doz.; C. Bonetti, specimens, $40 each. Kentia Bel., 3-in., $2 per doz.; 5-in., 60c each, $7.20 per doz.; 6-in., xx, $1.25 each, $15 per doz.; Kentia Fors., 5-in., 60c each, $7.20 per doz., 6-in., $1.25 each, $15 per doz.; 7-in., $2 each, $24 per doz. Phœnix Can., 2-in., $1 per doz.; 5-in., $5 per doz.; 10-in., $3 each; large specimens, $25 to $30 each. Phœnix Recli, 3½-in., $2 per doz.; 4-in., $3 per doz.; 6-in., 50c each, $6 per doz.; 7-in., 75c each. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Palms, Kentia Fors., 6-in. pots, 35 to 40 ins., $1.25 to $1.50; 30 to 35 ins., 4-yr., $1; 5½-in., 25 to 30, 3-yr., 75c; 4-in., made-up, 3 plants to pot, 18 to 20 ins., 25c to 30c. K. Bel., 6-in., 5 to 6 leaves, 30 to 35 ins., $1.25; 5½ to 6 ins., 5 to 6 leaves, 75c to $1. K. Fors., 7-in., made-up, 22 to 24 ins., $2 each. Cocos Wed., 15c. Areca Lutescens, made-up, 4-in. pots, 25c. G. Aschmann, 1012 Ontario St., Philadelphia.

Palms, Kentia Fors. and Bel., Phoenix Can., Cycas Revoluta, Livistona sinensis, Areca Lutescens. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

Palms, Phoenix Roebelenii, 4-in. pots, $80 per 100; 7-in., $4 each; seedlings, $5 per 100; $40 per 1,000. John Lewis Childs, Floral Park, L. I., N. Y.

Palms, Kentia, 3-in., $12. Phoenix can., 4-in., $20 per 100. Ludvig Mosbaek, Onarga, Ill.

Palms of all kinds. R. Dreyer, Woodside, L. I., N. Y.

Palms. L. Van Houtte Pere, Ghent, Belgium.

Palms. P. J. Berckmans Co. (Inc.), Augusta, Ga.

PANDANUS.

Pandanus Veitchii. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

Pandanus utilis, 4-in., 25c. Siebrecht & Son, New Rochelle, N. Y.

PANSIES.

Pansies, International, English prize, Parisian, Giant Trimardeau, Odier, $3 per 1,000; 100 by mail, 50c. F. A. Baller, Bloomington, Ill.

Pansies, Intern. strain, seedlings, $3 per 1,000. Seed, $6 per oz.; ⅛ oz., $1 prepaid. Ludvig Mosbaek, Onarga, Ill.

Pansies, $3 per 1,000; 50c per 100. Jos. H. Cunningham, Delaware, O.

Pansies, giant prize, mixed colors, $3 per 1,000. Peter Brown, Lancaster, Pa.

Pansies, giant, $3 per 1,000. Byer Bros., Chambersburg, Pa.

PEONIES.

Peonies, Eclatante, Ne Plus Ultra, Rubra Triumphans, $2 per doz.; $12 per 100. Beresford, Delachii, Queen Victoria, Rosamond, Washington, $2.50 per doz.; $15 per 100. Delicatissima, $4.50 per doz.; Festiva Alba, $3.50 per doz.; $25 per 100. Festiva Maxima, La Tulipe, $5 per doz.; $35 per 100. Floral Treasure, G. Harvest, $4.50 per doz.; $30 per 100. Globosa, $1.50 per doz.; $10 per 100. Grandi. Rubra, $4 per doz.; $20 per 100. Humei, $1.50 per doz.; $10 per 100. Marie Lemoine, $4 per doz.; $25 per 100. Offi. Rubra Plena, $1.50 per doz.; $8 per 100; $75 per 1,000. Somerset, $3 per doz.; $20 per 100. Mixed vars., per 100, $8; per 1,000, $75. James King Nursery, Elmhurst, Ill.

Peonies, Dorchester, 3 and 5 eye div., $25 per 100. Queen Victoria, $12 per 100; $100 per 1,000. Storrs & Harrison Co., Painesville, O.

Peonies, Queen Victoria, $9 per 100. Festiva Maxima, $30 per 100; Fragrans, $6 per 100. G. H. Wild, Sarcoxie, Mo.

Peonies, 6 choice kinds, all colors, $8 per 100; $75 per 1,000. F. A. Baller, Bloomington, Ill.

Peonies. Wholesale grower of the best varieties. J. F. Rosenfield, West Point, Neb.

Peonies a specialty. Peterson Nursery, 503 W. Peterson Ave., Chicago.

Peonies, leading vars. Jackson & Perkins Co., Newark, N. Y.

Peonies, 100 varieties. C. & M. Wild, Sarcoxie, Mo.

Peonies, all vars. Jacs Smits, Ltd., Naarden, Holland.

Peonies W. & T. Smith Co., Geneva, N. Y.

PEPPERS.

Peppers, Celestial or Xmas., 4-in., $1.25 per doz.; $10 per 100. 5-in., $2 per doz.; $15 per 100. Vaughan's Seed Store, Chicago and New York.

Peppers, 4-in., bushy, $12 per 100. Storrs & Harrison Co., Painesville, O.

Peppers. Geo. A. Kuhl, Pekin, Ill.

POINSETTIAS.

Poinsettias. Geo. A. Kuhl, Pekin, Ill.

PRIMULAS.

Primulas, Obconica grandi., fimbriata, etc., 2½-in., $3.50 per 100; 4-in., $6 per 100. Chinese, Vaughan's Intern, 3-in., $5 per 100; 4-in., $10 per 100. J. Sylvester, Oconto, Wis.

Primulas, Chinensis, 2½-in., $3 per 100. Obconica Grand., 2½-in., $2.50 per 100. Storrs & Harrison Co., Painesville, O.

Primroses, obconica rosea and alba, $2 per 100. Jos. Cunningham, Delaware, O.

Primroses, Chinese, 4-in. pots, $10 per 100. G. Aschmann, 1012 Ontario St., Philadelphia.

Primula obconica grandi., $2.50 per 100; $20 per 1,000. E. G. Hill Co., Richmond, Ind.

Primula obconica. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

Primrose, Baby, 2½-in. pots, 4c each. The Dingee & Conard Co., West Grove, Pa.

Primroses. Chinese, 2-in., 1½c. Byer Bros., Chambersburg, Pa.

Primroses, obconica. Geo. A. Kuhl, Pekin, Ill.

PRIVET.

Privet, California, the best. R. Dreyer, Woodside, L. I., N. Y.

RHODODENDRONS.

Rhododendrons. Jacs Smits, Ltd., Naarden, Holland.

ROSES.

Roses, Baby Rambler, 1st size, 2 yr., $3 per doz.; $25 per 100; $200 per 1,000. 2nd size, 2 yr., $2.50 per doz.; $20 per 100; $150 per 1,000; 1st size, 1 yr., $2 per doz.; $15 per 100; $120 per 1,000. Pot-grown in bud and bloom, 3-in. pots, $1.50 per doz.; $12 per 100. 4-in., $3 per doz.; $20 per 100. 5-in., $5 per doz.; $40 per 100. 6-in., $6 per doz.; $50 per 100. Etoile de France, 1-yr., dormant, $2 per doz.; $15 per 100. Richmond, 2½-in., $7 per 100; $60 per 1,000; 3-in., $8 per 100; $75 per 1,000; 4-in., $12 per 100; $100 per 1,000. Killarney, 3-in., $8 per 100; $75 per 1,000; 4-in., $12 per 100; $100 per 1,000. Vaughan's Seed Store, Chicago and New York.

Roses, Richmond, 2¼-in., $5 per 100; $40 per 1,000; 3½-in., $6.50 per 100; $55 per 1,000. Beauty, 3-in., $5 per 100; $40 per 1,000; 3½-in., $6.50 per 100; $55 per 1,000. Chatenay, Uncle John, 2½-in., $3.50 per 100; $30 per 1,000; 3½-in., $5 per 100; $45 per 1,000. G. Gate, 2½-in., $3.50 per 100; $30 per 1,000; 3½-in., $4.50 per 100. Kaiserin, 2½-in., $3.50 per 100; $30 per 1,000; Sunrise, 2½-in., $5.50 per 100; $50 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Roses, grafted, Killarney, 3½-in. pots, $18 per 100. Liberty, Kaiserin, Maids, Wootton, 3½-in., $12 per 100. Own root, Richmond, Perle, 3-in., $6 per 100. Bride, Maid, G. Gate, Kaiserin, Liberty, Wootton, 3-in., $4 per 100. J. L. Dillon, Bloomsburg, Pa.

Roses, Baby Rambler, grafted on briar roots, 8 to 14 ins., 3 to 6 shoots, $5 per 100; $46 per 1,000; $340 per 10,000. Rose stocks. Levavasseur & Sons, Ussy and Orleans, France.

Roses, field-grown, Magna Charta, C. Rambler, P. Neyron, Dorothy Perkins, etc., $12 per 100; $100 per 1,000. Storrs & Harrison Co., Painesville, O.

Roses, Bride, Maid, Richmond, Chatenay, 3-in., $4 per 100; $35 per 1,000; 2¼x3 Bride and Maid, $2 per 100. W. H. Gullett & Sons, Lincoln, Ill.

Roses, Liberty, 3-in., $4 per 100; $35 per 1,000. Chatenay, 2½-in., $4 per 100; $35 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

Rose, Queen Beatrice, finest forcing pink, to be disseminated spring of 1907. F. H. Kramer, 916 F St., N. W., Washington, D. C.

Roses, from 2½-in. pots, Ivory, G. Gate, Bride, Maid, Chatenay. Mrs. J. W. Crouch, 709 Market St., Chattanooga, Tenn.

Roses, C. Soupert, Marie Pavie, C. Rambler, Dorothy Perkins. P. J. Berckmans Co. (Inc.), Augusta, Ga.

Roses, 2½-in., C. Rambler, etc., $2 per 100; $15 per 1,000. C. M. Niuffer, Springfield, O.

Roses, over 1,000 vars. on own roots, all sizes. Dingee & Conard Co., West Grove, Pa.

Roses, field-grown for forcing. W. & T. Smith Co., Geneva, N. Y.

Roses, Bride, Maid, 3-in., $5 per 100. Ludvig Mosbaek, Onarga, Ill.

Roses, 101 sorts, 2½ and 4-in. Leedle Floral Co., Springfield, O.

Roses, climbing plants. Jacs Smits, Ltd., Naarden, Holland.

Roses, from 3-in. pots. Wood Bros., Fishkill, N. Y.

Roses, Jackson & Perkins Co., Newark, N. Y.

Roses, Geo. A. Kuhl, Pekin, Ill.

SANSEVIERIAS.

Sansevieria Zeylanica var., 4-in., $15 per 100; 3-in., $8 per 100. Ludvig Mosbaek, Onargo, Ill.

Sansevieria Jav. Var., 4-in., $2 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

If you do not find what you need in our Ready Reference Department, write us about it.

SEEDS.

Seeds, palm, Kentia Fors., K. Bel., $1.25 per 1,000. Canterburyana, $3 per 1,000. Moorei, $12 per 1,000. Areca Baueri, $1 per 1,000. Seaforthia elegans, 50c per 1,000. Livistona australis, 50c per 1,000. Bacularia monostachya, $1.50 per 1,000. Gymnostachys anceps, $2 per 1,000. Calamus Muelleri, $1.50 per 1,000. Tree seeds, Castanospermum australe, $5 per 1,000. Araucaria excelsa, $1.25 per 1,000. J. Staer, Wahroonga, N. S. W., Australia.

Seeds, Asparagus, A. plumosus nanus. Northern greenhouse grown seed, 100 seeds, 60c; 250 seeds, $1.25; 1,000 seeds, $4.50. Southern greenhouse grown, 1,000 seeds, $2.50; 5,000 seeds, $10. A. plumosus robustus, 100 seeds, $1; 1,000 seeds, $9. Decumbens, 100 seeds, 50c; 1,000 seeds, $4. Comorensis, 100 seeds, $1; 1,000 seeds, $7.50. Cash discount 2 per cent. Vaughan's Seed Store, Chicago and New York.

Seeds, sweet peas, Earliest White, per pkt., (40 seeds) 25c; 5 pkts., 75c net. ½ size pkts., 15c; 2 pkts., 25c; 10 pkts., 75c. Burpee's Earliest of All, per oz., 10c; ¼ lb., 30c; per lb., $1. W. Atlee Burpee & Co., Philadelphia.

Seeds, L. C. Nungesser, Griesheim near Darmstadt, Germany, exporter and importer. Specialties: Selected grass and clover seeds, alfalfa of Provence and Turkestan; free from dodder and cuscuta. Crimson clover.

Seeds, Giant Market Pansy, ¼ oz., $2.50; 1 oz., $8. Our Florist Strain German Pansy mixed, 1 oz., $1. Ask for complete list florist seeds and supplies. Barteldes Seed Co., Denver, Col.

Seeds, Suhr's genuine Danish Cauliflower, Dwarf Erfurter and Danish Giant; Cabbage, Danish Ball Head. Wholesale only. Write for particulars. E. Suhr, Copenhagen, Denmark.

Seeds, cineraria, large fld., mixed and semi-dwf. mixed, tr. pkt., 50c. Pansy mixed, oz., $4.50; ¼-oz., $1.15; ⅛-oz., 60c. W. C. Beckert, 103 Federal St., Allegheny, Pa.

Seeds, True Blue Rocky Mountain Columbine seed, new crop now ready, ¼ oz., 40c; 1 oz., $1.25. Barteldes Seed Co., Denver, Col.

Seeds, all kinds, specialties, onion, carrot, lettuce, sweet peas. Pacific Seed Growers' Co., 109 Market St., San Francisco.

Mexican Plants, Seeds, etc., all the varieties are sold by J. Balme & Co., Mexico City. Orchids and cacti specialties.

Seeds, Asparagus plumosus, per oz., $1; per lb., $14; 5 lbs., $55; 10 lbs., $100. F. G. Taylor Seed Co., Glendale, Cal.

Seeds, all kinds of vegetable and flower seeds. C. C. Morse & Co., 171 Clay St., San Francisco, Cal.

Seeds, Asparagus plumosus, $3.50 per 1,000 seeds. J. M. Thorburn & Co., 33 Barclay St., New York.

Seeds, 5,400 acres of garden seeds in cultivation. Brasian Seed Growers' Co., San Jose, Cal.

Seeds, Danish cauliflower and cabbage seed. Hjalmar Hartmann, 31 Barclay St., New York.

Seeds, Araucaria imbricata, $10 per 1,000. Jules Van Mol, rue Goffart 27, Brussels, Belgium.

Seeds, pansy, 1,000 seeds, mixed, 25c; 1 oz., $2.25. H. Wrede, Luneburg, Germany.

Seeds of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Seeds. W. Atlee Burpee Co., Philadelphia, Pa.

Seeds, Snowball cauliflower. R. Wiboltt, Nakskov, Denmark.

SELAGINELLAS.

Selaginella Denticulata, 3-in., $1 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

SMILAX.

10,000 Smilax. Good strong plants from 2¼-in. pots, to close out, 75c per 100; $6 per 1,000. The W. T. Buckley Co., Springfield, Ill.

1,000 Smilax, 3-in., fine stocky plants; cut-back, $2.00 per 100. Stover Floral Co., Grandville, Mich.

Smilax, 3-in., 3 times cut back, $3 per 100; 2¼-in., $2. W. H. Gullett & Sons, Lincoln, Ill.

Smilax, 2-in., strong, $1 per 100; $9 per 1,000. C. Humfeld, Clay Center, Kan.

Smilax, $2 per 100; $15 per 1,000. R. Vincent, Jr. & Son, White Marsh, Md.

Smilax, 2-in. pots, $1 per 100. West End Greenhouses, Lincoln, Ill.

Smilax, $1 per 100; $9 per 1,000. Jos. H. Cunningham, Delaware, O.

Smilax, Wood Bros., Fishkill, N. Y.

SNAPDRAGONS.

Snapdragons, 3½-in., $5 per 100; $45 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

SPIREAS.

Spirea Van Houttei. W. & T. Smith Co., Geneva, N. Y.

Spireas. Jacs Smits, Ltd., Naarden, Holland.

STEVIAS.

Stevia serrata, field, 4c. Byer Bros., Chambersburg, Pa.

VINCAS.

Vinca Var., from field, $5 per 100. Jos. H. Cunningham, Delaware, O.

VIOLETS.

Violets, Gov. Herrick, new single violet, good keeper; rooted cuttings, $2 per doz.; $10 per 100; $75 per 1,000; 5,000 or more, $60 per 1,000. H. R. Carlton, Willoughby, O.

Violets, Lady Campbell, field-grown, $20 per 1,000. J. M. Bramham, Waldrop, Va.

Violets. Wood Bros., Fishkill, N. Y.

WHOLESALE CUT FLOWERS.

Commission Dealers.

Allen J. K., 106 W. 28th St., New York.

Amling, E. C., 32-36 Randolph St., Chicago.

Berning, H. G., 1402 Pine St., St. Louis.

Cleveland Cut Flower Co., 215 Huron road, Cleveland, O.

Deamud, J. B., Co., 51 Wabash Ave., Chicago.

Flower Growers' Market, 60 Wabash Ave., Chicago.

Ford Bros., 48 W. 28th St., New York.

Froment, Horace E., 57 W. 28th St., New York.

Guttman, Alex. J., 43 W. 28th St., N. Y.

Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Henshaw, A. M., 52 W. 28th St., New York.

Horan, Edward C., 55 W. 28th, N. Y.

Hunt, E. H., 76 Wabash Ave., Chicago.

Kennicott Bros. Co., 40-44 Randolph St., Chicago.

Kessler, Phil. F., 55 W. 26th St., N. Y.

Kuehn, C. A., 1122 Pine St., St. Louis.

Langjahr, Alfred H., 55 W. 28th St., New York.

McCullough's Sons Co., J. M., 316 Walnut St., Cincinnati, O.

McKellar, Chas. W., 51 Wabash Ave., Chicago.

McKissick, W. E., 1221 Filbert St., Philadelphia.

Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Murdoch, J. B. & Co., 545 Liberty Ave., Pittsburg, Pa.

Muskogee Carnation Co., Muskogee, I. T.

N. Y. Cut Flower Ex., Coogan Bldg., 6th Ave. and W. 26th St., New York.

Niessen Co., Leo, 1217 Arch St., Phila.

Pennock, S. S., Philadelphia.

Pittsburg Cut Flower Co., Ltd., 504 Liberty Ave., Pittsburg, Pa.

Pittsburg Florists' Exchange, 217-223 Diamond St., Pittsburg, Pa.

Pollworth, C. C. Co., Milwaukee, Wis.

Randall, A. L. Co., 19 Randolph St., Chicago.

Raynor, John I., 49 W. 28th St., N. Y.

Rice Bros., 128 N. 6th St., Minneapolis, Minn.

Seligman, John, 56 W. 26th St., N. Y.

Sheridan, Walter F., 39 W. 28th St., New York.

Traendley & Schenck, 44 W. 28th St., New York.

Vaughan & Sperry, 58-60 Wabash Ave., Chicago.

Welch Bros., 15 Province St., Boston.

Winterson, E. F. Co., 45-49 Wabash Ave., Chicago.

Young, A. L. & Co., 54 W. 28th St., New York.

Young, Thos., 43 W. 28th St., N. Y.

Zech & Mann, 51 Wabash Ave., Chicago.

Growers.

Bassett & Washburn, 76-78 Wabash Ave., Chicago.

Benthey-Coatsworth Co., The, 35 Randolph St., Chicago.

Bruns, H. N., 1409-1411 W. Madison St., Chicago.

Budlong, J. A., 37-39 Randolph St., Chicago.

Chatogue Greenhouses, Mobile, Ala.

Elliott, W. H., Brighton, Mass.

Hill, The E. G. Co., Richmond, Ind.

Jensen & Dekema, 674 W. Foster Ave., Chicago.

Metairie Ridge Nursery Co., New Orleans, La.

Peacock Dahlia Farms, Atco, N. J.

Poehlmann Bros. Co., 35-37 Randolph St., Chicago.

Reinberg, Peter, 51 Wabash Ave., Chicago.

Sinner Bros., 60 Wabash Ave., Chicago.

Weiland & Risch, 59 Wabash Ave., Chicago.

Wietor Bros., 51 Wabash Ave., Chicago.

Wilcox, J. F., Council Bluffs, Iowa.

Wittbold, Geo. Co., 1657 Buckingham Place, Chicago.

RETAIL CUT FLOWERS.

Atlanta Floral Co., 41 Peachtree St., Atlanta, Ga.

Berterman Bros. Co., 241 Massachusetts Ave., Indianapolis, Ind.

Breitmeyer's Sons, John, cor. Miami and Gratiot Aves., Detroit, Mich.

Cooke, George H., Connecticut Ave. and L St., Washington, D. C.

Daniels & Fisher, Denver, Col.

Donohoe, W. H., 2 W. 29th St., N. Y.

Eyres, H. G., 11 N. Pearl St., Albany, N. Y.

Gude, A. & Bro., 1214 F St., Washington, D. C.

Hansen, Mrs. M. A., Galveston, Tex.

Hauswirth, P. J., Audit. Annex, Chi.

Hess & Swoboda, 1415 Farnum St., Omaha, Neb.

Holm & Olson, St. Paul, Minn.

Kellogg, Geo. M., 906 Grand Ave., Kansas City, Mo.; also Pleasant Hill, Mo.

Lange, A., 40 E. Madison St., Chicago,

Livingston Seed Co., Columbus, O.

Matthews, 16 W. 3rd St., Dayton, O.

Mayberry & Hoover, 1339 14th St., N. W., Washington, D. C.

McConnell, Alex., 571 Fifth Ave., Windsor Arcade, New York.

Miller, Theo., 4832 Delmar Blvd., St. Louis, Mo.

Mills The Florist, 36 W. Forsyth St., Jacksonville, Fla.

Murray, Samuel, Coates House Con., 1017 Broadway, Kansas City, Mo.

Park Floral Co., The, Denver, Col.

Palmer's, Buffalo, N. Y.

Schulz, J., 644 4th Ave., Louisville, Ky.

Virgin, Uriah J., 833 Canal St., New Orleans, La.

If you do not find what you need in our Ready Reference Department, write us about it.

Weber, Fred C., 4320-28 Olive St., St. Louis, Mo.

Wilcox, J. F., Council Bluffs, Iowa.

Wilson, Robert G., Brooklyn, N. Y.

BOILERS.

Boilers, improved greenhouse boilers, made of best material; shell firebox sheets and heads of steel; water space all around (front, sides and back). Kroeschell Bros. Co., 45 Erie Street, Chicago.

Boilers, Gurney heaters, heat by steam or hot water. Gurney Heater Mfg. Co., 111 5th Ave., New York; 74 Franklin St., Boston.

Boilers, the Burnham boilers, made for greenhouse heating. Lord & Burnham Co., 1133 Broadway, New York.

Boilers, corrugated, fire box and sectional, greenhouse heating. Hitchings & Co., 1170 Broadway, New York.

Boilers, boilers of high grade for greenhouses. Steam and hot water. Giblin & Co., Utica, N. Y.

Boilers of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Boilers, water tube steam boilers. King Construction Co., N. Tonawanda, N. Y.

Boilers, write for prices. Johnston Heating Co., 1133 Broadway, N. Y.

Boilers. Myers & Co., 1122 Betz Bldg., Philadelphia.

BOXES.

Cut Flower Boxes, ivy green finish, full assortment. Lots of 500 with printing no extra charge. Ask for sample. The Barteldes Seed Co., Denver, Col.

Cut Flower Boxes, water-proof; corner lock style. No charge for printing on orders above 250 boxes. Livingston Seed Co., Columbus, O.

Cut Flower Boxes; send for prices. Edwards Folding Box Co., Philadelphia, Pa.

BUILDING MATERIAL.

Building material, lumber for greenhouse benches. Ship lap, drop siding, sheathing, flooring, white cedar posts, etc. We are in special position to furnish "Pecky Cypress"; everything in pine and hemlock building lumber. Adam Schillo Lumber Co., cor. Weed and Hawthorne Sts., Chicago.

Building Material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouses and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building Material, cypress sash bars. Tennessee red cedar posts, pecky cypress benches, hotbed sash and frames, ventilating apparatus, pine, fittings and all supplies needed in new or reconstruction work. Foley Mfg. Co., 471 W. 22d St., Chicago.

Building Material. Our designs embody best features of greenhouse construction. Best grade gulf cypress used. Red Cedar posts, iron fittings, hotbed sash. Lockland Lumber Co., Lockland, Ohio.

Building Material, cypress sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 111-125 Blackhawk St., Chicago.

Building Material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 617 Sheffield Ave., Chicago.

Building Material of all descriptions, cold frames, hotbed sash, etc. Lord & Burnham Co., 1133 Broadway, N. Y.

Building Material for U-Bar greenhouses. Pierson U-Bar Co., Metropolitan Bldg., 4th Ave. and 23d St., N. Y.

Building Material, cold frames, hotbed sash of every description. Hitchings & Co., 1170 Broadway, New York.

Greenhouse materials of all kinds for greenhouse heating. Johnston Heating Co., 1133 Broadway, New York.

Building material of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Building Material of all kinds. S. Jacobs & Sons, 1365-79 Flushing Ave., Brooklyn, N. Y.

FERTILIZERS.

A sample 100-lb. bag of BLATCHFORD'S PLANT GROWER AND LAND RENOVATOR FERTILIZER only $2.75. It is composed solely of pure Rose Growers' Bone Meal, Nitrate of Soda, Peruvian Guano, Sulphate of Ammonia, Sulphate of Potash and Gypsum, in the correct proportions. For benches and potting plants, roses, carnations, lilies, mums, etc., it has never been surpassed. Address

THE BARWELL AGRICULTURAL WORKS, WAUKEGAN, ILL.

Est. at Leicester, England, in 1800.

GLASS.

Glass importers and jobbers; greenhouse glass a specialty. Window glass. James H. Rice, corner Michigan, St. Clair and Illinois Sts., Chicago.

Glass, plate and window glass, greenhouse glass a specialty. Sprague-Smith Co., 167-169 Randolph St., Chicago.

Glass, a lot of 16x18 A and B double strength at low price. A. Dietsch Co., 617 Sheffield Ave., Chicago.

Glass, window glass. Greenhouse glass a specialty. H. M. Hooker Co., 50 W. Randolph St., Chicago.

Glass, French and American "White Rose" brand. Stenzel Glass Co., 2 Hudson St., New York.

Glass, all sizes. Metropolitan Material Co., 1398 Metropolitan Ave., Brooklyn, N. Y.

Glass, all kinds and sizes. Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.

GLAZING POINTS.

Glazing Points, see the point? Holds glass firmly. Peerless glazing points are the best. No rights or lefts. Box of 1,000 points, 75c, postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

GREENHOUSE CONSTRUCTION.

Greenhouse Construction, builders of greenhouses for private estates, institutions, parks, etc. Pierson U-Bar Co., Metropolitan Bldg., 4th Ave. and 23d St., New York.

Greenhouse Construction, every type of iron frame or wooden construction. Best workmanship, right prices. Weathered Co., 46-48 Marion St., N. Y.

Greenhouse Construction, sash bar greenhouses. New Truss construction and iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse Construction, builders of every type of greenhouses; the most modern designs. Hitchings & Co., 1170 Broadway, N. Y.

Greenhouse Construction, builders of modern greenhouses. Myers & Co., 1122 Betz Bldg., Philadelphia.

GUTTERS.

Gutters, Garland's gutters will keep snow and ice off your glass. A sample of our gutter is on exhibition at Chicago Flower Growers' Market. Geo. M. Garland, Des Plaines, Ill.

Gutters, Lord & Burnham Improved V-shape gutter, with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

Gutters, new duplex gutter, only drip-proof gutter on the market. E. Hippard, Youngstown, O.

Gutters, Jennings, improved iron gutters. Diller, Caskey & Co., Sixth and Berk Sts., Philadelphia.

INSECTICIDES.

Fumigating Supplies, vaporizing pans for tobacco extracts, improved. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

Fumigating Supplies, tobacco dust for fumigating. Edwin L. Koppelman & Co., 81 Pine St., New York.

Insecticides, Carman's Antipest insecticide and fungicide, $1.50 per gal. Perfection Chemical Co., Flushing, N. Y.

Insecticides, tobacco paper, 24 sheets, 75c; 144, $3.50; 288, $6.50; 1,725, $35.10. Nico-Fume Liquid, pint, $1.50; ½ gal., $5.50; gal., $10.50; 5 gal., $47.25. Kentucky Tobacco Product Co., Louisville, Ky.

Wilson's Plant Oil for all kinds of plants. In 4-oz. to 1-gal. sizes. Andrew Wilson, 437 Springfield Ave., Summit, N. J.

Insecticide, Nicoticide, Bug Killer, the best bug killer and bloom saver. P. R. Palethorpe Co., Louisville, Ky.

Fumigating Supplies, tobacco powder and stems. The H. A. Stoothoff Co., 116 West St., New York.

LAWN MOWERS.

Lawn Mower. The Clipper, lawn mower, No. 1, 12-in., $5; No. 2, 15-in., $6; No. 3, 18-in., $7; No. 4, 21-in., $8. Draft, money order or reg. letter. Clipper Lawn Mower Co., Dixon, Ill.

LEAF MOLD.

Leaf mold. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

METAL DESIGNS.

Wire Designs. We carry largest stock in west. Quick service. Western florists like our goods. Barteldes Seed Co., Denver, Col.

Metal signs, send for prices. A. Herrmann, 404-12 E. 34th St., New York.

MISCELLANEOUS.

Engravings, best engravings and illustrations of every description for catalogues. Send for estimates. Globe Eng. & Elec. Co., 427 Dearborn St., Chicago.

Printing, large runs of catalogues a specialty. Write for figures. Regan Printing House, 89-91 Plymouth Place, Chicago.

Florists' overdue accounts and bad debts collected by the National Florists' Board of Trade, 56 Pine St., N. Y.

PAINT, PUTTY, ETC.

Paint, Ideal Greenhouse Lead; Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, N. Y.

Paint, Putty, etc. H. M. Hooker Co., 59 W. Randolph St., Chicago.

Paint, Putty, etc. The Jas. H. Rice Co., 80-82 Wabash Ave., Chicago.

PIPE, FITTINGS, ETC.

Pipe, iron fittings, etc., galvanized iron sash hinges, screw eyes, screw hooks, U bolts, galvanized iron buckles and wires. Fittings for purlin and ridge supports. Foley Mfg. Co., 471 W. 22d St., Chicago.

Iron Fittings, patent iron bench fittings and roof supporters. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

Pipes, valves, fittings of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

A Bargain, 4-in. cast iron pipes, 5 feet lengths at 12c per foot. C. C. Pollworth Co., Milwaukee.

Iron Fittings, etc.; send for prices. Lockland Lumber Co., Lockland, O.

POTS, PANS, ETC.

Pots, standard flower, 1½ in., $2.77 per 1,000; 2-in., $3.33; 2½-in., $3.88; 3-in., $5.27; 3½-in., $6.10; 4-in., $7.77; 4½-in., $10; 5-in., $13.60; 6-in., $22.20; 7-in., $4 per 100; 8-in., $6; 9-in., $8.88; 10-in., $13.33; 12-in., $22.22; 14-in., $38.88; 16-in., $66.66; 20-in., $1.25 each. Azalea pots and bulb pans same price. 2x2½ in. rose pots, $3.50 per 1,000. A. F. Kohr, 1521 N. Leavitt St., Chicago.

Pots, standard, seed pans, cut flower cylinders, hanging baskets, lawn vases, etc. Hilfinger Bros. Pottery, Ft. Edward, N. Y.

Pots, standard flower pots. The Whildin Pottery Co., Philadelphia, Pa.; Jersey City, N. J.; Long Island City, N. Y.

Pots, Eastern Red Pots, standard. We buy in car lot. You will be pleased with our stock. Ask for price list. Barteldes Seed Co., Denver, Col.

If you do not find what you need in our Ready Reference Department, write us about it.

Pots, before buying write for prices. Geo. Keller & Son, 361-63 Herndon St., near Wrightwood Ave., Chicago.

Pots, red standards, full size and wide bottoms. Detroit Flower Pot Mfy., 490 Howard St., Detroit, Mich.

Pots, pots of all kinds. A. H. Hews & Co., No. Cambridge, Mass.; Long Island City, N. Y.

Pots, red standard, azalea pots. The Keller Pottery Co., 213-223 Pearl St., Norristown, Pa.

Pots, red standard. Paducah Pottery Co., Paducah, Ky.

Pots, all sizes. Ionia Pottery Co., Ionia, Mich.

Pots. Syracuse, red. Syracuse Pottery Co., Syracuse, N. Y.

Pot hangers, Kramer's $1 doz. by exp., $1.25 by mail. I. N. Kramer & Son, Cedar Rapids, Ia.

PUMPING ENGINES.

Pumping Engines, two streams of water for 1 hour cost 2 cents if you use a Standard pumping engine. The Standard Pump & Engine Co., Cleveland, O.

SEED CASES.

Seed cases, Heller's mice proof. W. C. Heller & Co., Montpelier, O.

STEAM TRAPS.

Steam Traps, the Standard return steam trap has no equal for its simplicity of working. E. Hippard, Youngstown, O.

Steam traps, Morehead Return. Morehead Mfg. Co., 1047 Grand River Ave., Detroit, Mich.

SUPPLIES.

Supplies, milkweeds, wire designs, cut wire, all kinds of letters, immortelles, cycas leaves, sheaves of wheat, ribbons, corrugated boxes of all kinds. Henry M. Robinson & Co., 8-11 Province St., Boston, Mass.

Supplies, cape flowers, cycas leaves, metal designs and all florists' supplies. A. Herrmann, 404-12 E. 34th St., New York.

Supplies, importers and manufacturers of florists' supplies. L. Baumann & Co., 78 Wabash Ave., Chicago.

Supplies, importers and manufacturers of florists' supplies. Reed and Keller, 122 W. 25th St., New York.

Supplies, wire designs, etc. The Cleveland Cut Flower Co., 215 Huron road, Cleveland, O.

Supplies and novelties of all kinds. J. Stern & Co., 1928 Germantown Ave., Philadelphia.

Supplies of all kinds. E. F. Winterson Co., 45 Wabash Ave., Chicago.

Supplies, wire designs. Pittsburg Florists' Ex., 228 Diamond St., Pittsburg, Pa.

Supplies, flower baskets, novelties, Riessner Bros., Lichtenfels, Bavaria.

Supplies of all kinds. Barteldes Seed Co., Denver, Col.

Supplies of all kinds. S. S. Pennock, 1610 Ludlow St., Philadelphia.

TOOTHPICKS.

Toothpicks, Cowee's wired, 10,000 for $1.50. Save freight and buy in Denver. Barteldes Seed Co., Denver, Col.

Toothpicks, wired, $1.50 per 10,000; $6.25 per 50,000. W. J. Cowee, Mfr., Berlin, N. Y.

VENTILATING APPARATUS.

Ventilators, the Standard ventilating machinery; original machine with self oiling, cups, most powerful, least complicated, very compact. E. Hippard, Youngstown, O.

Ventilators, The Advance Ventilating Apparatus. Write for estimates and circulars. The Advance Co., Richmond, Ind.

Ventilators, Evans' Improved Challenge ventilating apparatus. Quaker City Machine Works, Richmond, Ind.

Ventilating Apparatus. Send for circulars. Diller, Caskey & Co., cor. 6th and Berk Sts., Philadelphia.

Ventilating apparatus for every type of greenhouses. Lord & Burnham Co., 1133 Broadway, New York.

Ventilating Apparatus for greenhouses. Weathered Co., Box 789, New York City.

Ventilators, hand ventilating, etc. The King Construction Co., N. Tonawanda, N. Y.

Ventilators, ventilating apparatus of all kinds. Hitchings & Co., 1170 Broadway, New York.

Ventilators, New Departure ventilating appliance. J. D. Carmody, Evansville, Ind.

Ventilating, new Wolf Pipe Ventilating machines. A. Q. Wolf & Bro., Dayton, O.

WIRE SUPPORTS.

Wire supports, model extension carnation supports, galvanized wire rose stakes, tying wires, single and dbl. pot hangers. Igoe Bros., 63 Metropolitan Ave., Brooklyn, N. Y.

BOOKS FOR FLORISTS.

The time is coming along when these are needed and opportunity at hand for reading them. Every one of the following should be in your library.

Send prices quoted and we send the books.

THE HORTICULTURISTS' RULE-BOOK (L. H. Bailey).—Contains information valuable to all those engaged in any branch of horticulture. Illustrated. 312 pages. 75 cents.

GREENHOUSE CONSTRUCTION (Taft).—It tells the whole story about how to build and heat a greenhouse, be it large or small, and that, too, in a plain, easily understood, practical way. It has 118 illustrations. $1.50.

THE PRINCIPLES OF FRUIT GROWING (Bailey).—The entire subject of fruit culture is treated very thoroughly in this illustrated volume of 516 pages. It is a book that no up-to-date fruit grower can afford to be without. $1.25.

CELERY CULTURE (Vaughan).—The important subject of celery culture is thoroughly covered in this illustrated pamphlet of 59 pages. The florist raising young plants of celery and those who grow the plants to maturity will alike find it valuable. 50 cents.

GINSENG (Kains).—At the present time, when so much interest is taken in ginseng, it will be interesting to peruse this volume, which tells all about the plant in a way that all may understand. The 144 pages are freely illustrated. 50 cents.

SUCCESS IN MARKET GARDENING (Rawson).—Written by one of the most prominent and successful market gardeners in the country, and who has the large t glasshouses for forcing vegetables for market in America. Outdoor and indoor crops are treated. Illustrated, $1.00.

MUSHROOMS: HOW TO GROW THEM (Falconer).—The only American book on the subject, 29 illustrations. Written by a practical mushroom grower, who tells the whole story so tersely and plainly that a child can understand it. This book has increased mushroom growing in this country three fold in three years. $1.50.

THE ROSE.—Its cultivation, varieties, etc. (H. B. Ellwanger).—A complete guide of the cultivation of the rose, together with the classification of all the leading varieties. $1.25.

THE AMERICAN CARNATION (C. W. Ward).—A complete treatment of all the most modern methods of cultivating this most important flower. Illustrated. $3.50.

HOW TO MAKE MONEY GROWING VIOLETS (Saltford).—This is by a practical grower who has made a success of the business. No grower of violets can afford to be without it. 25 cents.

HEDGES, WINDBREAKS, ETC. (Powell).—A treatise on the planting, growth and management of hedge plants for country and suburban homes. A volume of 140 pages, with twenty-two illustrations. 50 cents.

HEATING AND VENTILATING BUILDINGS. (Carpenter).—This book covers the entire subject most fully. In the preparation of heating and ventilating plans it will be found a most valuable guide. $4.00.

STEAM HEATING FOR BUILDERS (Baldwin).—Contains valuable data and hints for steam fitters and those who employ this method of heating. The 350 pages are fully illustrated. $2.50.

THE GOLDFISH (Mulertt).—A number of florists find goldfish an attractive and paying addition to their business. The best advice is given in every department of the subject, including construction and care of the parlor aquarium, in this volume of 160 pages, handsomely illustrated. $2.00.

LANDSCAPE GARDENING (Maynard).—The development of landscape art within the past few years compels the wide awake florist to keep posted on this branch of the business. The many suggestions of this book will be found helpful every business day. It contains 338 pages, 165 illustrations. $1.50.

ASPARAGUS (Hexamer).—A practical treatise on the planting, cultivation, harvesting and preserving of asparagus, with notes on its history and botany. This book is mainly devoted to the culinary kind of asparagus, but there is also some reference to the ornamental species. 50 cents.

CABBAGES, CAULIFLOWER AND ALLIED VEGETABLES (Allen).—The requirements of the important vegetables of the cabbage tribe are given here very fully. The book also contains interesting chapters on seed raising, insects, pests and fungus diseases common to these plants. 50 cents.

LANDSCAPE GARDENING (Waugh).—This is a very useful little book on the art of landscape gardening. It will be found exceptionally valuable to amateurs, as it covers in detail the numerous problems that come to the owners of small gardens. It is freely illustrated and the pictures have been chosen with a view to informing the reader rather than decorating the book. 50 cents.

AMERICAN FLORIST COMPANY,
324 Dearborn St,, CHICAGU.

If you do not find what you need in our Ready Reference Department, write us about it.

The Whilldin Pottery Co.

STANDARD FLOWER POTS

Our output of Flower Pots is larger than any concern in the World
Our Stock is always Large and Complete

Main Office and Factory,

713 WHARTON STREET, PHILADELPHIA

Warehouses: JERSEY CITY. N. J. LONG ISLAND CITY, N. Y.

FLORIST WARE OF EVERY KIND

A. H. HEWS & CO. INC.

POT MAKERS FOR 140 YEARS

CAMBRIDGE, MASS.

CLIPPER LAWN MOWER CO. DIXON ILL.

The Mower that will **kill all the Weeds in your Lawn.** If you keep the weeds cut so they do not go to seed and cut your grass without breaking the small feeders of roots, the grass will become thick and the weeds will disappear.

The Clipper will do it. Ask your dealer for them. If they have not got them, below is the price: No. 1—12-inch Mower, $5; No. 2—15-inch Mower, $6; No. 3—18-inch Mower, $7; No. 4—21-in. Mower, $8. Send draft, money-order or reg. letter.

THE KELLER POTTERY COMPANY,

Manufacturers of **FLORISTS' RED STANDARD POTS.**

Azalea Pots, Bulb and Fern Pans, Etc.

Write for Price List. 213-15-17-19-21-23 Pearl St., **NORRISTOWN, PA.**

IONIA CLAY is the BEST CLAY

We would not dare to claim to make the BEST POT—BEST in STRENGTH, SMOOTHNESS and POROSITY—if the claim was not true. Our capital and business integrity for 35 years stands behind the assertion. A perfect mail order system and skilled packers enable us to ship your order the day it is received.

A postal brings our general catalogue.

IONIA POTTERY COMPANY, Ionia, Mich.

THE BEST Bug Killer and Bloom Saver.

For **PROOF** Write to

P. R. PALETHORPE COMPANY,

LOUISVILLE, KY.

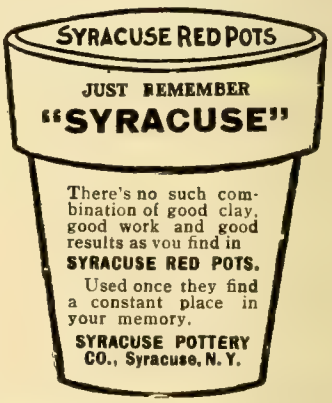
STANDARD FLOWER POTS

No Charge for Crates or Packing.

Inches	per 1000	Inches	per 100
1½	$ 2.77	7	$ 4.00
2	3.33	8	6.00
2½	3.88	9	8.88
3	5.27	10	13.33
3½	6.10	12	22.22
4	7.77	14	38 88
4½	10.00	16	66.66
5	13 60	20	each, 1.25
6	22.20		

Azalea Pots and Bulb Pans same as **Standard Pots.** 2 and 2½-in Rose Pots, $3.50 per 1000. These pots are **carefully made,** very strong and porous. Liberal count is given, thereby protecting our patrons against possible breakage. **Above prices subject to 10 per cent. discount for cash.**

A. F. KOHR, 1521-23-25 N. Leavitt St, **Chicago.**



Please mention the American Florist when writing.

GEO. KELLER & SON,
MANUFACTURERS OF
FLOWER POTS.
Before buying write for prices.
361-363 Herndon Street,
near Wrightwood Ave.,
CHICAGO, ILL.

Red Standard Flower Pots

Price list and samples on application.

PADUCAH POTTERY CO., Inc.
PADUCAH, KENTUCKY.

Standard Flower Pots!

Packed in small crates, easy to handle.

	Price per crate		Price per crate
1500 2-in., in crate,	$4 88	120 7-in., in crate,	$4 20
1500 2¼ "	5.25	60 8 "	3.00
1500 2½ "	6.00	HAND MADE.	
1000 3 "	5.00	48 9-in., in crate,	$3.60
800 3½ "	5.80	48 10 "	4.80
500 4 "	4.50	24 11 "	3.60
320 5 "	4 51	24 12 "	4.80
144 6 "	3.16	12 14 "	4.80
		6 16 "	4.50

Seed pans, same price as pots. Send for price list Cylinders for Cut Flowers, Hanging Baskets, Lawn vases, etc. Ten per cent off for cash with order. Address

HILFINGER BROS. POTTERY, Fort Edward, N. Y
or AUGUST ROLKER & SONS, New York Agents,
31 Barclay Street, New York City.

Kramer's Pot Hangers

For Sale by Wholesale Seedsmen, Florists and Supply Dealers.

Price, $1.00 per dozen by express. Sample dozen by mail, $1.25.

L. N. Kramer & Son, CEDAR RAPIDS, IOWA.

L. BAUMANN & CO.,

Importers and Manufacturers of
Florists' Supplies

76-78 Wabash Ave., CHICAGO.

Write for our New Catalogue F. Our prices may interest you.

Those Red Pots

"STANDARDS"

FULL SIZE AND WIDE BOTTOMS, BULB PANS AND AZALEA POTS.

DETROIT FLOWER POT M'F'Y.

HARRY BALSLEY, Rep. DETROIT, MICH. 490 Howard St.

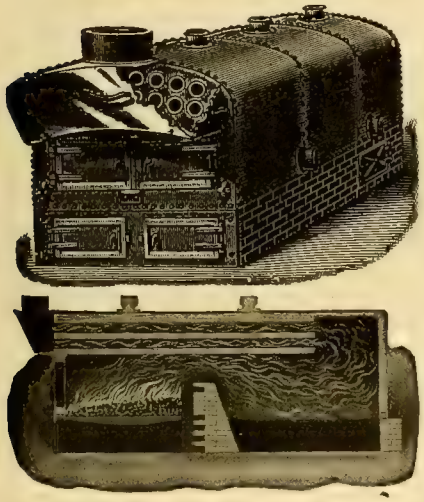
THE FUMIGATING KIND TOBACCO
KILLS ALL APHIS IN A NIGHT AT A COST OF 15 CENTS.
LET US TELL YOU HOW.
THE H. A. STOOTHOFF CO. 115 WEST ST. NEW-YORK

KROESCHELL BROS. CO.

IMPROVED

Greenhouse Boiler

45 Erie Street, CHICAGO.



Boilers made of the best of material, shell, fire-box sheets and heads of steel, water space all around (front, sides and back). Write for information.

Please mention the American Florist when writing.

CUT FLOWER BOXES

WATERPROOF Corner Lock Style.

The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always.

Size No.		Per 100	Per 1000
0.	3x 4x20	$2.00	$19.00
1.	3x 4½x16	1.90	17.50
2.	3x 6x18	2.00	19.00
3.	4x 8x18	2.50	23.00
4.	3x 5x24	2.75	26.00
5.	4x 8x22	3.00	28.50
6.	4x 8x28	3.75	36.00
7.	6x16x20	5.50	54.00
8.	3x 7x21	3.00	28.50
9.	5x10x35	6.50	62.00
10.	7x20x20	9.50	67.50
11.	3½x5x30	3.00	28.50

Sample free on application. No charge for printing on orders above 250 boxes. Terms cash.

THE LIVINGSTON SEED COMPANY,
Box 104, COLUMBUS, OHIO.

Please mention the American Florist when writing.

MYERS & CO.
BUILDERS OF
Modern Greenhouses
HEATING
BOILERS.
1122 Betz Bldg.,
PHILA., PA.

Please mention the American Florist when writing.

A. HERRMANN,

Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florists' Supplies.

SEND FOR PRICES.

404-412 East 34th St., NEW, YORK.

Please mention the American Florist when writing.

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

Please mention the American Florist when writing.

THE LOW PRICE HEATING PLANTS

The Chicago House Wrecking Co. is in position to offer you an interesting proposition for furnishing you with a heating plant at a saving of at least 30%. Send us a sketch of your houses with preferred location of the boiler, the points of compass and the desired night temperature for zero weather, and we will gladly submit you an exact detail quotation of all material required to install the plant. We have ***heaters*** and ***boilers*** of every kind, both new and rebuilt. We have always ou hand a large number of rebuilt boilers suitable for greenhouse heating. Our stock embraces ***fire box boilers, horizontal tubular boilers, Kroeschell boilers, cast iron sectional boilers, Erie City economizers*** and other types

We can save you considerable money on ***pipe, valves*** and ***fittings;*** also on ***doors, glass, sash*** and everything needed in the construction of your buildings.

Ask for our Special Catalogue No. 47.

CHICAGO HOUSE WRECKING CO.,
35th and Iron Streets, CHICAGO.

The James H. Rice Co.

IMPORTERS and JOBBERS

GREENHOUSE GLASS

A SPECIALTY.

Window Glass, Paint, Putty, etc.

Office and Warehouse: Corner of Michigan, St. Clair and Illinois Streets, CHICAGO.

GREENHOUSE HEATING

Complete heating plants erected or materials furnished with working plans. Write for prices on **BOILERS.**

JOHNSTON HEATING COMPANY,
St. James Building, 1133 Broadway, NEW YORK.

GLASS

GOOD BRANDS.
QUICK SHIPMENTS.
LARGE STOCK.

Warehouse on railroad switch. **Be Sure and Get Our Prices.**

SHARP, PARTRIDGE & CO.,
22nd and Lumber Sts., CHICAGO.

Please mention the American Florist when writing.

SPRAGUE, SMITH CO.

JOBBERS AND MANUFACTURERS OF

Window Glass.

GREENHOUSE GLASS

A SPECIALTY.

167-169 Randolph St., CHICAGO.

Please mention the American Florist when writing.

GET OUR PRICES ON
Galvanized Wire Rose Stakes and Tying Wire.

IGOE BROTHERS,

Manufacturers of the **Model Plant Supports** for Carnations, Dahlias, Golden Glow, Chrysanthemums and Tomatoes.

63-71 Metropolitan Ave., BROOKLYN, N. Y.

AMERICAN FLORIST ADS	Always do business Week days and every day Sundays and holidays All over the country At home and abroad

Carman's Antipest

INSECTICIDE AND FUNGICIDE

For the Garden, Orchard and Greenhouse.

Non-poisonous and harmless to vegetation.

Kills Green Fly, Aphides, Bark Lice, Thrip, Mealy Bug, Red Spider, Scale, Wire Worms, Ants and Slugs.

This is the Grower's Friend, handy to use, cheap and effective, mixes readily in water. Destroys all insect pests and keeps down filth. Circulars on application. **$1.50 per gallon.** Also in quarts, half gallons and in bulk.

PERFECTION CHEMICAL CO.,
FLUSHING, N. Y.

Wired Toothpicks

10,000, $1.50; 50,000, $6.25. Manufactured by

W. J. COWEE, BERLIN, N. Y.

Sample free. For sale by dealers.

You heard of, if you did not see, our exhibit at the Convention.

HIGHLY RECOMMENDED

for natural prepared variegated Magnolia Wreaths, Adiantums, natural prepared Christmas Trees and Cycas Wreaths with Asters.

Keep your "I" on the enterprising florists' supply house.

J. STERN & CO.
1928 Germantown Ave., PHILADELPHIA, PA.

EVANS' IMPROVED
CHALLENGE VENTILATING APPARATUS
WRITE FOR ILLUSTRATED CATALOGUE
QUAKER CITY MACHINE WORKS.
RICHMOND, IND.

FOR SALE

GLASS New American, 50 sq. ft. to the box. 10x12 single $1.75 per box; 10x12, 12x12, 10x15, double, $2.55 per box; 12x14, 12x20, 14x14, 14x20, double, $2.75 per box; 16x16, 16x18, double, $3.00 per box; 16x24, double, $3.20 per box. Secondhand, 8x12, single, at $1.50 per box.

GARDEN HOSE New, ¾-in, guaranteed 100-lbs pressure, 7½c. per ft; ¾-in. not guaranteed, 4¾c. per ft.

HOT-BED SASH New Cypress. 3ft.x6ft. from 75cts. up; glazed, complete, from $1.60 up; Second-hand in good condition, all glass in, at $1.25 and $1.00 each.

PIPE Good, serviceable second-hand, with threads; 2-inch, 7 cts.; 1½-inch, 5½ cts; 1¼-inch, 4cts.; 1-inch, 3cts-; 2½-inch, 10cts; 3-inch, 14cts.; 4-inch, 19cts. New 2-inch, Standard, full lengths, with couplings, 8½cts. per ft. Old and new fittings and valves.

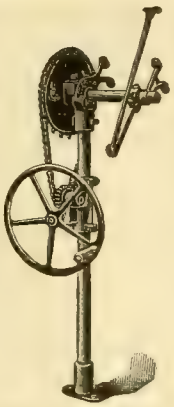
Get Our Prices on

Boilers, Pumps, Stillson Wrenches, Stocks and Dies, Pipe Cutters, Pipe Vises, Cypress Material, Etc.

METROPOLITAN MATERIAL CO.

1398-1408 Metropolitan Avenue, BROOKLYN, N. Y.

The Advance Ventilating Apparatus



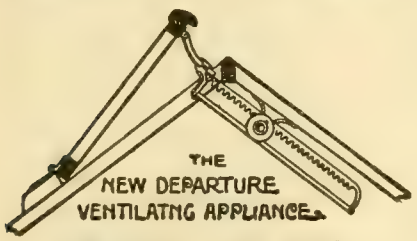
With goods made mechanically correct, on principles that have always given satisfaction with prices that are reasonable, with lasting and satisfactory service, we certainly should have a chance to figure with you on what you may need in our line.

We have always pleased our customers. Why not ou?

THE ADVANCE CO.

RICHMOND, IND.

Please mention the American Florist when writing



CHEAPEST AND BEST.

If you doubt it try them and be convinced. Send for descriptive price circular.

J. D. Carmody, Evansville, Ind.

Please mention the American Florist when writing.

THE MOREHEAD TRAP

Used By Leading Growers

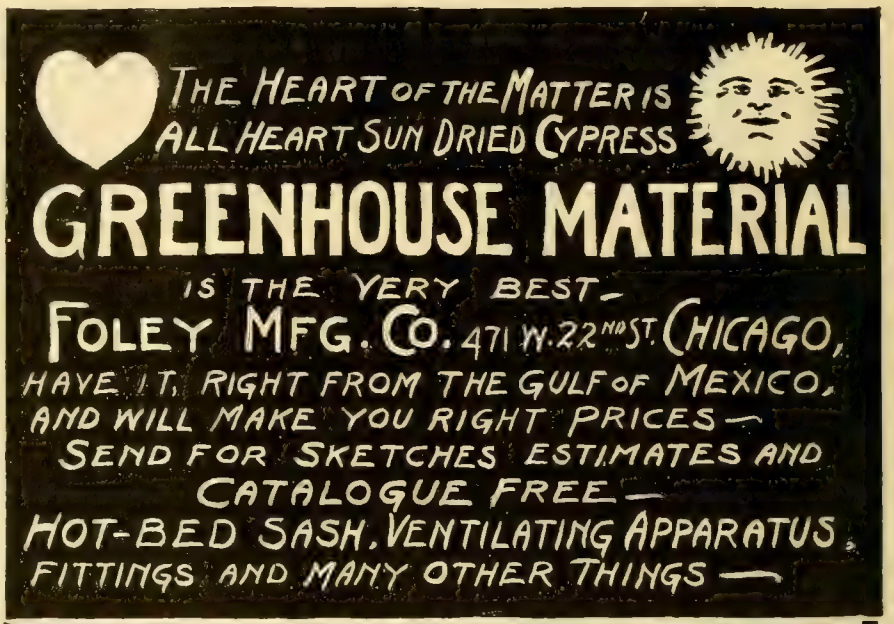
Because it is saving money for them.

Write for booklet.

MOREHEAD MFG. CO.

1047 Grand River Ave., DETROIT, MICH.

It is good business policy to mention The.... AMERICAN FLORIST When you write to an advertiser



If you are having delay in getting your roof material, send your orders TO US and don't be in trouble. We will handle any order in the time agreed. Try us.

FOLEY MANUFACTURIN COMPANY,

471 W. 22nd Street, : : : CHICAGO.

Please mention the American Florist when writing.

Greenhouse Material of Louisiana Cypress and Hot Bed Sash Washington Red Cedar

GREENHOUSE HARDWARE AND POSTS. PATENT V AND U GUTTERS.

OUR GRADES INVARIABLY THE BEST. OUR PRICES RIGHT.

Write for Catalogue and Estimate, when figuring on your new houses.

A. DIETSCH CO., 617 Sheffield Ave., CHICAGO.

Please mention the American Florist when writing.

BEST ENGRAVINGS and ILLUSTRATIONS

—Of Every Description—

FOR CATALOGUES.

SEE OUR WORK IN THIS PAPER. SEND FOR ESTIMATES.

GLOBE ENGRAVING and ELECTROTYPE CO.

407-427 Dearborn St., CHICAGO.

Please mention the American Florist when writing.

Le Journal des Roses.

Organ of the French Rosarians.

Published at Paris. Once a month with colored plates.

Subscription $2.70 per Year. Sample Copies Free.

ADMINISTRATION DU SUISNES **JOURNAL DES ROSES**

a SUISNES, Brie

a Grisy-Suisnes. (Seine et M FRANCE.

Weathered Company,

BUILDERS OF

Iron and Cypress Greenhouses, Greenhouse Heating and Ventilating Apparatus.

P. O. Address. Box 789, NEW YORK CITY.

Now is the Time

to Subscribe to the

Horticultural Trade Journal

Published weekly. The Largest Brightest, and Best British Trade Publication. Also

THE INTERNATIONAL EDITION

Published quarterly. Annual subscription for weekly and quarterly numbers, One dollar, (International money order). Subscribe to-day and keep in touch with European markets and topics.

THE HORTICULTURAL PRINTING COMPANY, BURNLEY, ENGLAND.

Always mention the American Florist when you order stock.

THE AMERICAN FLORIST

America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXVII. CHICAGO AND NEW YORK, SEPTEMBER 29, 1906. No. 956

THE AMERICAN FLORIST

TWENTY-SECOND YEAR.

Copyright 1906, by American Florist Company. Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

324 Dearborn St., Chicago.

Eastern Office: 1133 Broadway, New York.

Subscription, $1.00 a year. To Europe, $2.00. Subscriptions accepted only from the trade.

Volumes half yearly from August 1901

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—WM. F. KASTING, Buffalo, N. Y., president; H. M. ALTICK, Dayton, O., vice-president; W. J. STEWART, 11 Hamilton Place, Boston, Mass., secretary; H. M. BEATTY, Pittsburg, Pa., treasurer. Twenty-third annual meeting at Philadelphia, Pa., August, 1907

OFFICERS-ELECT—WM. J. STEWART, Boston, Mass., president; JOHN WESTCOTT, Philadelphia, Pa., vice president; P. J. HAUSWIRTH, Auditorium Annex, Chicago, secretary; H. B. BEATTY, Pittsburg, Pa., treasurer.

INTERNATIONAL EXHIBITION—A grand international exhibition will be held with the annual convention at Chicago, November, 1908.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual convention and exhibition at Chicago, November 6-12, 1906. WM. DUCKHAM, Madison, N. J., president; DAVID FRASER, Penn and Homewood Ave., Pittsburg, Pa., secretary.

AMERICAN ROSE SOCIETY.

Annual meeting and exhibition at Washington, D. C., March 13-15, 1907. ROBT. SIMPSON, Clifton, N. J., president; BENJAMIN HAMMOND, Fishkill-on-Hudson, N. Y., secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention and exhibition at Toronto, Canada, January, 1907. JOHN H. DUNLOP, Toronto, Canada, president; ALBERT M. HERR, Lancaster, Pa., secretary.

THE AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

Annual convention at Toronto, Ont., 1907. BYRON D. WORTHEN, Manchester, N. H., president; F. L. MULFORD, Harrisburg, Pa., secretary.

AMERICAN PEONY SOCIETY.

Third annual meeting and exhibition at Ithaca, N. Y., 1907. C. W. WARD, Queens, N. Y., president; A. H. FEWKES, Newton Highlands, Mass., secretary.

Contents, page 444.

Advertising Rates, 444.

Index to Advertisers, 468.

Ready Reference Advts., 469.

Florists' Forcing Bulbs and Roots.

Copyright 1906 by the American Florist Company.

III—LILIUM LONGIFLORUM.

The ever increasing demand for lilies throughout the spring, more especially at Easter, has brought Lilium longiflorum to the fore, and, although its cultivation year after year is steadily gaining in extent, growers in late seasons have barely been able to fully meet this demand. In some points its culture differs from that of Lilium Harrisii, though both are natives of Japan and closely allied. In comparing ultimate results it is usually found that they claim an equal share in the estimation of the grower.

The bulbs should be planted as soon as they can be obtained, which is hardly ever before the end of September. Five-inch pots for the small sized bulbs and 6-inch for the larger are used. There is nothing gained by starting this lily in small pots with a shift into larger ones later on. The less disturbance there is to soil and roots, the brighter will be the growth and the taller the flower stalk. A somewhat heavy soil, liberally enriched with thoroughly decomposed manure, gives the best results. The bulb should be placed deep enough in the ground to bring its top below the rim of the pot and just even with the surface of the soil after this has received a good watering. A frame outdoors is the proper place for the pots. A layer of several inches of sand, earth or coal ashes directly over the pots will maintain an even degree of moisture and also aid in shielding the bulbs from frost. By closing down the sashes at times of severe freezing and applying an additional covering of leaves or hay, the bulbs may be safely carried through until the middle or end of December, when they should be taken out and housed. By that time they should be well rooted and just showing the beginning of a sturdy topgrowth. If this is the case, little trouble will be experienced in working them up into fine stock for Easter.

But it is just at this juncture that the inexperienced lily grower is very apt to make his first and greatest mistakes, one of which is over-watering; the soil in the pots being as yet but partially filled with the roots. The other is too high a temperature in starting. A house heated to 48° or 50° is warm enough for the lilies for several weeks after being brought in from the frames. After that a gradual rise in temperature up to about 58° at night will bring the lilies to a point when a division into several lots becomes necessary.

An equal growth and uniform headway in forcing must not be expected. In any number, large or small, all treated alike, some will be found to be far ahead, others quite backward in their growth. A sorting out and placing each lot, according to development, by itself will simplify matters and enable the grower to so modify his treatment in forcing the various grades, as to bring them all into bloom at the same time, if such has been the object from the start. From the time the buds show until the flowers open it usually takes six weeks. If in a temperature of 58° or 60° the plants show well defined flower buds just above the foliage by the first week in March, this temperature will bring them out in good time for Easter. Those not as far advanced will need more heat to bring them into line with the earlier plants.

Then there will always be some greatly ahead of the rest, and here again an opportunity for making a serious blunder is offered. Should the grower in an attempt to hold back these too forward lilies, remove them out of a high temperature into cool quarters, in all likelihood this check in their growth would make them squatty, stunted plants, perhaps cause them to stand still entirely, their buds never developing into perfect, open flowers. Any interruption of rapid development in lilies by a sudden lowering of temperature causes harm. Retarding, if such becomes necessary, must not be attempted before the perfectly formed buds have turned from green to a yellowish white. Then the plants may be removed to a cool

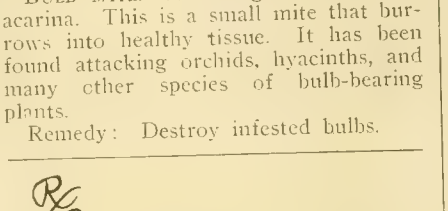
and even dark place and will there slowly expand their flowers and remain in fine shape for several weeks.

When lilies are making a rapid growth they require water in unstinted measure as also a good syringing once or twice daily. Their value as finished plants is enhanced by feeding with liquid manure from the time the buds are well above the foliage until they begin to unfold. Insects are a great source of trouble to the grower who is unable to maintain an even temperature for his lilies. Regular fumigation will keep away green fly. One should never wait until it makes its appearance, but fumigate regularly, if but in mild doses, from the very start. When the little buds are just visible as a small cluster away down in the upper foliage, tobacco water must be resorted to in driving aphis from its favorite foraging ground, since fumes will not reach them there. It is well to keep a sharp lookout at that time for the hidden colonies of green fly. E.

Primula Obconica Poisoning.

We are indebted to J. Truman Wolcott for the prescription reproduced herewith, which has given him immediate relief from the irritating effects of primula obconica poisoning. Mr. Wolcott hopes it may prove similarly beneficial to others of our readers who have been poisoned in handling this plant. Dr. Albert E. Carrier is responsible for the perscription.

This prescription can be filled at any drug store.



Primula Obconica Poisoning Prescription.

Greenhouse Insects.

Paper by Tennyson D. Jarvis, Ontario Agricultural college, Guelph, Canada, read at the ninth annual convention of the Canadian Horticultural Association, August 30, 1906.

SLUGS.—These are not insects, but belong to the group of animals known as mollusca, soft bodied creatures frequently covered with a shell. They attack many species of greenhouse plants, lettuce, violets, etc.

Remedies: They prefer moist situations, hence drainage, where practicable; trapping with cabbage leaves, sweetened bran, etc.; clear weak lime water sprinkled over the plants and on the soil.

SOW-BUGS.—These are 14-legged animals belonging to the class of animals known as crustacea. They feed largely upon decaying vegetation and sometimes attack growing plants, lettuce, etc.

Remedies: Slice juicy potatoes and sprinkle them with Paris green and leave them in places frequented by the bugs.

MILLIPEDES, sometimes known as "thousand legs," and "false wireworms." —They have two pairs of legs to each segment of the body and belong to the class of animals known as myriapoda. They are very common in greenhouses and some species attack the roots of growing plants, violets, etc.

Remedy: Trapping with poisoned vegetable is about the only remedy.

RED SPIDERS.—These are very small creatures belonging to the order of arachnida, known as acarina-mites. They are so small that it requires very careful examination to see them on the plants. The affected leaves usually curl downward and sometimes lose their color. They are found on many plants in the greenhouse, chrysanthemums, carnations, etc.

Remedies: Flowers of sulphur mixed with water at the rate of an ounce to a gallon and sprayed over infested plants. For the application of this spray a force pump with spraying nozzle is a necessity. On plants that are liable to injury by use of the sulphur, such as violets, no other remedy is used by florists generally than frequent syringing or spraying with water or with a weak soap solution.

BULB MITE.—It belongs to the order acarina. This is a small mite that burrows into healthy tissue. It has been found attacking orchids, hyacinths, and many other species of bulb-bearing plants.

Remedy: Destroy infested bulbs.

SPRINGTAILS.—These are mostly of microscopic size and unfamiliar to any but the careful observer. Their most distinctive character is the possession of a forked spring by means of which they leap long distances when disturbed. They live for the most part on decaying matter and are very abundant in damp places in greenhouses. In the Ontario Agricultural college greenhouse they have been found in large numbers feeding on primula seedlings just as they appear above ground.

Remedy: Sprinkle soil with lime water.

AMERICAN COCKROACH.—These are large flat bodied insects, measuring from an inch and a quarter to an inch and three-quarters in length. They are night feeders and hide in crevices during the day. The species has been very destructive at the Ontario Agricultural college, feeding on tomato seedlings.

Remedies: Trapping with sweetened bran sprinkled with paris green; powdered borax sprinkled around the affected plants.

CRICKET-LIKE GRASSHOPPERS. — These are large wingless insects and resemble crickets in form. They are very common in mushroom beds.

Remedy: They may be easily destroyed by hand.

THRIPS.—These insects are very small with long slender bodies and four poorly developed wings. When disturbed they thrust the body into the air as if they meant to sting. They are extremely lively and leap as well as fly. They are very common on melons, cucumbers, tomatoes, etc.

Remedies: Tobacco smoke; fumigating with potassium cyanide.

TARNISHED PLANT BUG.—The mature bug is about one-fifth of an inch long and varies in color from dull dark brown to a greenish or yellowish brown. The head is yellowish with three narrow, reddish stripes. The thorax has a yellow margin and several yellowish lines running lengthwise. This species is common on the college chrysanthemums outdoors. They suck the juices from the leaves and buds and thus destroy the flowers.

Remedies: Spray with kerosene emulsion.

FOUR-LINED LEAF-BUG. — This is a bright yellow bug, about one-quarter of an inch long, with the head, forepart of the thorax and the entire underside of the body of a shining orange-red. There are four black stripes extending over the prothorax and a greater part of the wing covers. This bug is often found on chrysanthemums outdoors.

Remedy: Spray with kerosene emulsion.

The family coccidae includes the mealy-bugs and scale-insects of bark-lice. This family belongs to the order hemiptera, all the forms having sucking mouth parts. They differ, however, very greatly from all the other families of the order and, in fact, from all other insects. They appear upon our plants either as minute soft-bodied insects clothed with a white cottony substance, or as flat scale-like objects of various forms and colors. Among the coccidae are found many of the most serious pests of the florist, certain scale insects and mealy bugs being found in every conservatory and forcing house. Among the most prominent members of this family with which the florist has to contend are the following:

MEALY BUGS.—Mealy bugs (Dactylopius) are the most common and noxious of greenhouse pests. They are too well known to require any lengthy description here, every florist being familiar with the waxy white secretions in which these insects envelop themselves while at work upon the plants. In these white, irregular secretions are found pale, flesh-colored, soft-bodied insects, about one-eighth of an inch in length. Two species are commonly found, viz., Dactylopius longispinus and Dactylopius destructor. The former is distinguished from the latter by the long, waxy thread-like processes on the caudal end of the body. A great many greenhouse plants are attacked by this pest, especially such plants as croton, coleus, begonia, oleander, and asparagus.

Remedies: Mealy-bugs thrive in close, hot, dry air and like to conceal themselves in corners, or in thick tangled masses of foliage. These conditions should be avoided and where the plants can be reached, the insect can be washed off them by means of a powerful spray. Kerosene emulsion, when it can be brought in contact with the insect, is also very effective. It is best applied by means of a stiff hand brush.

ORTHEZIA.—Several members of this genus are frequently found in greenhouses, but they are not nearly as common nor as noxious as are the mealy-bugs. They are readily distinguished from other insects by the body being covered with thin plates of pure white wax of an exceedingly fine texture,

which overlap and form a beautiful symmetrical design. These insects are found upon crotons and coleus and may be controlled by spraying with kerosene emulsion or whale oil soap.

LECANIUM.—The species of this genus are found everywhere. They occur upon all kinds of plants both under glass and in the open air. They are known to gardeners as soft scales or brown scales. The lecaniums are naked scale insects, the scale being the body of the insect. They are generally more or less hemispherical in shape and are usually dark brown in color. They are among the largest and most conspicuous of our common scale insects. The eggs are found beneath the body of the female. Lecanium hemisphæricum is the species commonly found in greenhouses upon oleanders, palms, and other tropical plants. It is best controlled by spraying with whale oil soap or by removing the scales with a stiff hand brush.

Besides the foregoing, scale insects belonging to the genera aspidiotus, chionaspis and mytilaspis are frequently found in the greenhouse upon palms, ferns, and other plants. Those belonging to the genus aspidiotus are flat and round with an inner central nipple. The commoner forms of the genus Chionaspis are pyriform in shape and have a white scaly appearance. The forms of the genus mytilaspis resemble those of chionaspis in shape, but are more elongated and of a dark brown color. All these forms can be killed by the use of kerosene emulsion and similar remedies. Using hydrocyanic gas is one of the most effective means of treating them.

Aphides are commonly known under the name of plant lice or green fly. They are small, pear-shaped, soft-bodied insects, either winged or wingless. They multiply very rapidly and often appear in great numbers and suck the juices from the leaves, causing them to wither up and the plant to die. Most aphides are of a green color, but some forms, such as the chrysanthemum aphis, are black in color. The best way of destroying them is by means of tobacco smoke. This should be applied as soon as the aphides appear, as, if they are allowed to reach full size, they are hard to destroy. As a preventive, greenhouses should be fumigated once or twice a week if insects are found troublesome. Kerosene emulsion and whale oil soap are also quite effective.

WHITE FLIES.—Closely related to the aphides are the aleyrodes or white flies, as they are generally called, which sometimes appear in large numbers in the greenhouse and do considerable injury. They are very small incests, having a wing expanse of about one-eighth of an inch. Both sexes are winged. The wings are white, sometimes spotted; the body is pink or yellowish, with more or less black spots. Both the wings and body are covered with a fine white powder. This pest is found on the underside of the leaves of many greenhouse plants, but is especially destructive on tomatoes, melon, cucumbers and hibiscus.

Remedies: Many remedies have been tried for this pest. Fumigating with tobacco is not an effective remedy. Hydrocyanic gas has been found to be effective, but requires to be used with caution, as, if used too strong or left in the house too long, it will seriously injure the plants. Good results have been obtained by using 1 ounce of cyanide to every 400 cubic feet of space and keeping the house closed nine minutes. Spraying the under surfaces of the leaves with common laundry soap and water (one pound dissolved in eight gallons) has also been found to be a cheap and effective remedy.

LILIUM LONGIFLORUM MULTIFLORUM.

GREENHOUSE LEAF-TYER (Phlyctaenia ferrugalis).—They are slender leaf-eating caterpillars; when full grown about three-quarters of an inch in length, and of a semi-translucent green, with a dark green dorsal stripe, on each side of which is a sub-dorsal white band. The adult is a small brownish moth. From the time they hatch until full grown, the caterpillars live in tents made by drawing down the leaflets of the leaves. The cocoons are spun between the leaves. They feed on the parenchyma of the underside of the leaf. They have been found in Ontario on roses, violets, and chrysanthemums. This pest has been reported by Dr. Fletcher in greenhouses in Toronto and Hamilton, and by Dr. Bethune in greenhouses in London.

GREENHOUSE LEAF-ROLLER (Cacœcia parallela).—The caterpillar is about an inch long, tapering slightly to each end. It is a dull green, overlaid lightly with a velvety black of a slightly darker shade on the dorsum. The head is round, slightly depressed in front, of a yellowish brown color. The piliferous

tubercles are white and conspicuous. It feeds on the leaves of roses and draws the leaflets together by means of threads of silk.

Remedies: Owing to their habits the caterpillars are difficult to reach with insecticides. Hand picking is the only effective remedy.

ANTS.—The damage done by these insects is chiefly mechanical. The soil in pots is often disturbed and the water passes through the pots by means of the ant runs, instead of going through the whole of the soil and moistening it.

FUMIGATION.

Hydrocyanic gas being now quite extensively used by florists across the line for the destruction of the whitefly, it might not be out of place here to say a word or so as to the method of application, especially as some Canadian florists are now adopting this remedy for combating the pest. Before fumigating it is necessary to determine the amount of space contained in the house in order that the operator may have some idea as to the amount of chemicals to use. Hydrocyanic gas, if used too strong or left in the house too long, will seriously injure the plants. It is therefore very important that extreme caution be observed in its use. From a number of experiments conducted at this college it was impossible to determine the quantity of cyanide required for best results, as the various samples used varied so much in strength and purity. From tests carefully made at the New Hampshire station with cyanide of potassium of best quality the best proportion of cyanide, sulphuric acid, and water seemed to be one ounce cyanide of potassium, two ounces commercial sulphuric acid, and four ounces water. In the experiments at New Hampshire one ounce of cyanide to 400 cubic feet of space was used, and the house kept closed nine minutes. This gave good results without injuring the plants.

To make the gas use an earthen jar (never metal) large enough to contain all the liquid without slopping over. A gallon jar is a convenient size. Pour the water into the jar, add the acid slowly, then weigh the cyanide and place it in a paper bag. See that the ventilators are closed and all the doors firmly fastened except the one used by the operator. It is necessary to take this precaution as the hydrocyanic gas might prove fatal to any person entering the house by mistake. When all is ready approach the jar with the paper bag containing the cyanide, fill the lungs with air, hold your breath, drop the cyanide, bag and all, and leave the house at once. Lock the door and note the time. After the number of minutes required to kill the white-fly (nine minutes) are passed open the doors and give the gas plenty of time to escape before you enter. It cannot be kept too firmly in mind that hydrocyanic gas is very poisonous, and the house should not be entered during the treatment.

HUDSON, MICH.—John Allwood, who bought out the establishment of Philip Thomas here over a year ago, has enjoyed an excellent trade the past season and looks forward to increased business during the season now opening. He is well prepared to meet it with good stock in all lines.

A New Orleans Garden.

The Lawrence Fabacher private estate, on beautiful upper St. Charles avenue, is one of the finest and largest in New Orleans. It comprises one city square of ground measuring 300x350 feet. One of the main features of the modern garden architecture, employed at this place, is the beautiful carpet and foliage bedding. A fine carpet bed is located in the center of the spacious lawn. The pedestal, three feet high, is crowned by a Cocos australis surrounded with several varieties of crotons. Six rosettes slope down from the pedestal. In the center of each rosette is an Agave Americana variegata, the fields being made of Alternanthera amœna aurea and the intersections between the six rosettes of alternanthera. Boussingaultia crossed and bordered each one from the top of the pedestal. Alternanthera amœna aurea was used for the entire outer borders of the bed, which had a diameter of about 20 feet.

Lawrence Fabacher.

A New Orleans patron of horticulture.

A New Orleans Garden.

The German hop.

The croton bed is 12x25 feet, banked high against a huge oak at the upper front corner of the garden. About 150 plants of various sizes, in 15 varieties, are used to make up this very attractive group. Palms, dracænas and hardy ferns, kept during winter in the conservatory, are arranged in different groups under the shady oak trees, which are studded over the immense lawn. Mr. Fabacher can pride himself in having the only German hop vine in the city growing on his estate. The plant was brought by him from the fatherland two years ago and, as the illustration shows, thrives and blossoms wonderfully in our southern clime. Encouraged by the first trial, Mr. Fabacher had all along on one side of the place between the sidewalk and the street the same kind of vines planted, which in a short time will form a beautiful bower 350 feet long. Besides this novelty is a large high bed of irregular shape planted with southern pine brought from Mr. Fabacher's private forest in Covington, La. The first planted young trees are doing splendidly and after the entire bed is full grown it will add greatly to the picturesqueness of the entire place.

The beautiful residence is surrounded with mixed groups of azaleas and Camellia indica, and large hanging baskets and boxes planted with nephrolepis of several varieties and Asparagus Sprengeri adorn the balcony and steps from spring until winter. The conservatory is strictly modern, of Louisiana cypress build, with propagating and other conveniences attached. Hot water heating is used. A fine collection of rare foliage and flowering plants and vines adorn this really fine structure. The casino, built in colonial style, is used as a bungalow or summer resting place and gymnasium.

Lawrence Fabacher is one of the greatest promoters and lovers of everything appertaining to horticulture in New Orleans. Possessed with great wealth, his favorite pleasure is the constant beautifying of his elegant home and he spends the money lavishly in doing so. Mr. Fabacher is regarded as one of the foremost business men in the city. He is not only president of the Jackson Brewing Co., the largest of its kind in Louisiana, but holds many other high and honorable positions in the commercial world of the south.

Henry Kraak, the young and intelligent gardener to Mr. Fabacher, comes from Halle, Westphalia, Germany. He learned the trade in the fatherland and afterward acquired a great deal of knowledge in all branches of horticulture, especially in landscape gardening during his extended travels through Germany, Switzerland, Italy and France. Mr. Kraak came to America in 1903 and made New Orleans his permanent home about two years ago. He has had charge of Mr. Fabacher's place since February 1, 1905, and

A NEW ORLEANS GARDEN.
Lawrence Fabacher's residence.

during that time has made considerable improvements on it. Some of the best and original pieces of garden architecture in the city can be seen at this private place. Mr. Kraak is vice-president of the German Gardeners' Club, an enthusiastic member of the New Orleans Horticultural Society, and several fraternal organizations.

CRESCENT.

Water Bugs in the Benches.

ED. AMERICAN FLORIST:—

What is the best way to rid carnation benches of water bugs which are under the mulching in such large numbers as to be damaging the plants alarmingly? Paris Green and sugar, also a popular roach food have had little effect.

Ohio. J. H.

The best remedy for water bugs is fumigation with hydrocyanic-acid gas. Use one fluid ounce of commercial sulphuric acid, diluted with two fluid ounces of water, and one ounce of high-grade (98 per cent) cyanide of potassium for every 100 cubic feet of space. All windows and ventilators must be closed, and all doors locked except the one by which the operator is to make his exit. All fires should also be put out. Dropping the required amount of cyanide of potassium into a porcelain dish in which has already been placed the water and sulphuric acid, the operator runs into the open air closing instantly the open door. Care must be exercised as this gas is extremely poisonous.

New Seedling Montbretias in England.

Nothing among novelties in hardy flowers has created more interest in 1905 and 1906 than the new seedling montbretias raised by G. Davison, of Westwick Gardens, Norwich, and R. Wallace & Co., nurserymen, Colchester, England, are the fortunate introducers, having made arrangements to that effect with Mr. Davison. They have been on view at all leading English shows this autumn. Last year Prometheus and one or two more were shown and this year the list of approved varieties is augmented and I have specially noted 10 varieties which I will briefly describe. These hybrids are so distinct from the old type as almost to justify recognition as an entirely new race with erectly held flowers three to four inches across and stems three to four feet high, embracing many new shades of color. Some of the varieties have received the Royal Horticultural Society's award of merit, first class certificates of the Royal Caledonian Horticultural Society and Shrewsbury Horticultural Society.

Prometheus may be considered the prince of the collection and the finest montbretia yet raised. It is remarkably vigorous and free flowering. The large brilliant flowers, 3½ inches across, are of a rich orange color, flushed and stained with crimson at the center and the spikes are graceful and freely-branched.

Ernest Davison is a vigorous and sturdy growing plant with upright freely-branched spikes of deep orange flowers, flushed red externally and suffused carmine on the inner petals around the large golden center.

Geo. Davison is a variety possessing great merit. The three to four-foot stems bear lovely pale orange-yellow flowers and it is one of the earliest to flower.

Westwick is robust, elegant and free-flowering, with rich orange-scarlet flowers zoned with rich crimson around the clear buff yellow center, a few flame-like jets of color appear at the throat and petals are reflex as in Lilium Martagon.

Hereward is very distinct and late flowering; the pale orange flowers are borne on tall erect stems and like Westwick, the petals are reflex.

King Edward is a sturdy bushy plant three to four feet high, with freely-branched stems bearing spikes of rich golden yellow flowers marked with 6 to 8 chocolate colored spots at the throat. It is a very distinct and pleasing flower.

Anglia has pale yellow flowers and the tips of the petals are suffused internally with reddish tints, quite a unique and telling flower.

Lady Hamilton throws up erect stems, thickly set with yellow flowers. A ray of rosy orange suffuses the center of the flower when it opens, the general color changing to apricot as the flower gets older.

St. Botolph is the largest of all yellow flowered montbretias; it is very robust and free-flowering. Externally

it is of a ruddy orange hue and internally, clear yellow.

Lord Nelson is the deepest color of all and very distinct. It has very dark purple stems which branch in such a manner as to form a fan-shaped inflorescence. The flowers are of a deep orange-scarlet, crimsoned externally and with a yellow eye. BEE.

A NEW ORLEANS GARDEN.
Showing a bed of crotons.

Gardening in Northampton, Mass.

Geo. W. Cable, of Northampton, Mass., is famous as an author, but among his neighbors he is best known as an expert gardener. For years Mr. Cable has preached gardening—preached it while he practiced it. He urged his neighbors to plant and, urging them, set the example for them.

His reward has come to him in the daily delight of witnessing the transformation of the yards of the village into real gardens, presided over by men and women possessed of the real gardening spirit. Mr. Cable was the first person, probably, to introduce and put into successful operation the neighborhood garden club idea, which, more recently, has taken hold elsewhere with most pleasing results. It was matured to meet a real need. Each club consists of 10 neighboring families, and, in order to promote rivalry and maintain the interest, contests are held annually between the different clubs. The whole thing is the direct result of Mr. Cable's labors, covering a period of eight years, to increase the cultivation of flowers.

The excellent results of this movement are evident on every hand. Northampton has become a town of flowers, vines and shrubs, and, by the same token, a cleanly town. Its streets and walks are clean and back yards as well as front yards require no inspection at the hands of sanitary officers.

Andrew Carnegie was interested in the movement and contributed $8,500 to the people of Northampton for the erection of a permanent propagating house. Here plants are grown on to transplanting size and distributed to the members of the clubs at the actual cost of production.

Some persons, perhaps, will look upon such a movement as purely aesthetic. They are, as has been shown by the Northampton experiment, entirely wrong. Not only is the community saved much money by the co-operation of the townsmen in keeping the place clean, for gardening begets cleanliness, but it is actually true that by nothing more substantial in the way of improvements than the mere planting of flowers, real estate values in Northampton have very materially increased.

The central club, or governing club of the town, known as the House Culture club, owns its own experiment grounds, and, in addition to conducting the propagating house, supplied by Mr. Carnegie, distributes the prizes that also are due to Mr. Carnegie's generosity. These prizes are substantial and worth striving for, but, in value, they are small compared to the practical value of the gardening conducted as a result of the movement.

In winter the interest in gardening is kept alive by a series of lectures on such practical topics as pruning, fertilizing and soil composition, given by the garden expert of Smith college.

A Decorated Wagon.

A decorated wagon entered by Fred A. Danker, Albany, N. Y., in a German festival recently held in his home city, is shown in the accompanying illustration. The flowers used were, white hydrangeas, gladioli, and pink and white asters tied with ribbons to match. The horses' heads are adorned with plumes of fairy flowers. The float was the subject of favorable comment on the part of all who saw it. The view shown was taken in Washington park. R. D.

WITH THE GROWERS

Dailledouze Bros., Flatbush, N. Y.

The range of carnation houses of Dailledouze Bros., at Flatbush, Brooklyn, N. Y., is, as usual at this season, of great interest to carnation enthusiasts. In several of the houses crops have been in cut for two or three weeks, and the quality of the flowers is not to be excelled by any reaching the New York market. Enchantress is looking very fine, and has lost none of its prestige here as a good, free-growing and remunerative variety; consequently it is accorded a good share of benching area. Prosperity, too, is as prominent in the benches this year as ever, and is in excellent condition. Mrs. Thos. W. Lawson is largely benched, but a visitor's attention is very apt to be riveted upon a new pink seedling from Lawson which is liberally benched this season, it being decided to disseminate it for next season. It is a beautiful pink contrasting strongly with the parent as being many shades lighter. It is perfect in form, has all the growing characteristics of the Lawson, exceeding it perhaps in productiveness and perfect flowering habit, not a bursted flower

A NEW ORLEANS GARDEN.
The casino

having yet been noticed. It should prove an easy winner in the commercial ranks. Crimson Glow, the variety sent out last season, is in fine shape and dominates other deep colored varieties.

Cutting from the benches commenced as early as July 1. The fine calyx, stem and excellent color of this variety makes a question as to its adoption, for the supply of red carnations rather superfluous. Victory seems to be the variety favored here for crimson, and the stock, in good crop at present, speaks volumes for it. Queen and Lieut. Peary seem to be the favorite whites and are very largely grown. Eldorado, a fine yellow, is grown to some extent for the demand for this color. In variegated carnations Mrs. Patten appears to be the selection. Four or five seedlings of great promise are largely benched this season, and closely watched, with a view to dissemination if they come up to the rather hard standard set for them at this establishment.

A range of houses is set aside for chrysanthemums and one or two of the earlier varieties planted are already coloring up. Marquis de Montmort is the most advanced and the cut will start at once. Polly Rose, Glory of the Pacific and Ivory are in grand shape and well set in flower.

ESTABLISHMENT OF DAILLEDOUZE BROS., FLATBUSH, N. Y.
House of Prosperity carnations.

BARABOO, WIS.—Mrs. Wm. Peck, wife of the florist of the same name, died here Tuesday night.

DETROIT, MICH.—J. F. Sullivan was suddenly called to Avondale, Pa., by the death of his mother, September 22.

ALBANY, N. Y.—The Albany Steam Trap Co., well known to greenhousemen, is building a new 4-story 40 x 80 foot structure at 317-319 North Pearl street, which will be the future home of the company. The new building will afford 14,000 square feet of floor space and will be fully equipped in every detail.

Pittsburg.

STOCK SCARCE AND MOVING QUICKLY.

A scarcity along all lines was the noticeable feature during the week. Asters were very scarce and gladioli almost dropped out of sight. Carnations are coming in more plentifully but the scarcity in other stock makes them move quickly. Chrysanthemums are not a staple yet. Cosmos has made its appearance. Roses are good but not so plentiful. American Beauty being the most abundant and moving nicely.

T. P. McCormick is again with the Florists' Exchange. Miss Evans of the same place has been away sick for 10 days.

Miss McKinley, after a long siege of illness, is back again at Randolph & McClements.

Walter Jolliff, with J. B. Murdoch, is on his vacation. J.

Buffalo.

BUSINESS SLOW.

Good weather until Saturday which gave us a heavy rain followed by colder weather has made stock of uncertain quality. Asters are about over and carnations are not plentiful. American Beauty is good and sells well. Weddings and funerals are about all that keeps trade up at present.

NOTES.

R. E. Boettger, the aster man of Eggertsville, celebrated his twenty-fifth wedding anniversary September 22, when a number of his florist friends were his guests together with many others.

Prof. Cowell's goose plant (aristolochia) draws considerable attention.

Visitor: A. K. Rogers, Readville, Mass. BISON.

Baltimore.

TRADE HEAVIER.

We are having a perhaps natural and to-be-expected contrast to the wet summer in a dry fall with unusually high temperature, reaching one day this week the midsummer extreme of 90°. The humidity, which has been, for months, the cause of much discomfort, continues, with an occasional day of perfect loveliness. Trade begins to improve, and as absentees begin to return from the seashore, the mountains and trans-Atlantic resorts there is the expected improvement in demand for plants and cut flowers. Roses are improving in quality, and great numbers are sent in. Asters are practically over. Gladioli are in excess of requirements, and dahlias so far do not measure up to the usual standard, though doubtless from now on they will improve.

NOTES.

There have been some good Harrisii lilies in the market from the Halliday Bros.

DECORATED WAGON, BY F. A. DANKER, ALBANY, N. Y.

The new building of the Florists' Exchange, at the corner of Franklin and St. Paul streets has made good progress, some of the rafters for the roof being in place. In style of architecture the structure is somewhat unusual and the manner of construction seems to be of the most substantial character. The building will be an ornament to the section where it is located, and admirably adapted to the uses of the Exchange, which will be enabled to do a much larger business than ever before and, at the same time, with greater ease and convenience to employes and patrons. The first floor and basement will be used for the business of the house while the second floor will afford a fine room for meetings, lectures, etc. The walls of the building are so constructed that other stories may be added, if found desirable.

AT THE TIPTON GREENHOUSES, TIPTON, IA.

R. VINCENT, JR., & SON'S DAHLIA SHOW.

The dahlia show of Richard Vincent, Jr., & Son, of White Marsh, Md., on Wednesday, proved a great success. The weather was fine, though extremely warm, and the attendance was large. Besides the Baltimore and local contingent there were many visitors from the trade in Boston, New York, Philadelphia, Washington and other places and all were more than pleased at the extent, variety and beauty of the display. Mr. Vincent, the head of the firm, met his visitors in Baltimore and accompanied them on the train to his railway station whence they were transported to the nursery in numerous farm wagons. In the big packing shed, an account of which with engravings appeared several months ago in THE AMERICAN FLORIST, there was a table running through the center, on which was spread an abundant and tempting array of edibles, and down the center of the table were enormous bunches of dahlias of every size and shape and hue. Along the walls were rows of boxes also containing great bouquets of the same flower in interminable variety. After a hearty luncheon some speech-making was naturally indulged in. Mr. Vincent welcomed his visitors and told of the pleasure experienced by him in meeting so many followers of the florists' profession. He spoke feelingly of the illness of his son, who had largely arranged for the show, but who was disappointed at not being present, though happily now convalescing. Short addresses were made in response by Patrick O'Mara, of New York, Peter Bissett and Wm. Gude, of Washington, Edwin Lonsdale, of Philadelphia, J. J. Perry, Chester L. Seybold, of Baltimore, and others; while on behalf of the lady visitors some remarks very complimentary to Mrs. Vincent were made by Miss Mildred J. Campbell and Mrs. Mack Richmond, of Baltimore. After dinner the entire company was driven over the farm and given an opportunity to inspect the growing crops, including a field of 40 acres in dahlias, the greenhouses which cover nearly four acres of ground, and acre after acre of land in vegetable plants. The farm now includes some 225 acres. Upon returning to the houses the guests were treated to generous supplies of ice cream and each visitor on leaving was given a big bunch of dahlias. At night the show was thrown open to the public and the neighbors for miles around came in to see the display. The following is a partial list of those present:

Mr. and Mrs.—
M. Richmond,
J. B. Keplinger,
Geo. J. Hess,
T. H. Paterson,
Bell,
James H. Boone,

Mrs.—
R. L. Graham,
E. Thomas,
E. Reuth,
J. L. Peterson,
Sarah E. Cutino,

Misses—
M. J. Campbell,
H. Badenhoop,
Anna Badenhoop,
Elsie F. Boone,

Messrs.—
Geo. M. Cook,
Robt. H. Cook, Jr
John Cook,
Benjamin Stoll,
Henry Stoll,
C. Hess,
W. J. Johnston,
G. I. Stafford,
Chas. L. Peterson
Edw. Reuth, Jr.
Peter Kohler,
Samuel Spies,
W. H. Primrose,
M. Richmond,
John A. Nuth,
T. C. Bauer,
M. J. Hannigan,
John B. Harman,
Henry M. Lehr,
Henry C. Caines,
Fred G. Burger,
James Glass,
Jos. H. Brummell
P. C. Erdman,
R. L. Graham,
Chas. L. Seybold,
Henry Seybold,
N. F. Flitton,
Edw. Herrmann,
Louis Geisinger,
George Morrison,
Chas. M. Wagner,
George Talbott,
John J. Perry,
Albert Beckman,
D. T. Broadfoot,
Andrew Anderson
H. Ekas,
A. H. Hecht,
George J. Pickert
Joshua Naylor,
Edward Woodfall
E. L. Bland,
A. C. Twele,
all of Baltimore.

W. H. Kramer,
W. L. Amoss,
Martin Duckstein
Frederick Sudlick
H. Badenhoop.

John Glass,
A. Cook, Jr.,
Chas. Cook,
Frederick Sudlick
Mary Johnston,

M. R. Rider,
Abbie Merritt,
Jeane Seroin,

Peter Hylen,
Baltimore.
Robert Carll,
Antoine Wintzer,
John Geary,
C. B. Hoffman,
C. P. Chase,
H. S. Jackson,
Newark, Del.
W. H. Reinhardt,
Orangeville.
C. A. Shaffer,
Alexandria, Va.
Lloyd G. Blick,
Norfolk, Va.
F. J. Michell,
Philadelphia, Pa.
Alex. P. Dewar.
Boston, Mass.
Edwin Lonsdale,
Philadelphia, Pa.
B. G. Merritt,
Grange, Md.
H. J. Patterson,
H. B. McDonnell,
Thos. H. White,
W. R. Ballard,
Maryland Agricultural College.
George O. Brown,
Parkville.
Henry Holzapfel,
Hagerstown.
Z. D. Blackistone,
John Robertson,
Dr. A. Patten,
Charles McCauley
George Field,
Theo. Diedrick,
H. Dingman,
Peter Bisset,
Carl Anderson,
Edward Thomas,
Robert McLennan
Jas. A. Phillips,
Washington, D. C.

S. B.

ESTABLISHMENT OF DAILLEDOUZE BROS., FLATBUSH, N. Y.

Seedling of Pink Lawson about to be disseminated.

St. Louis.

TRADE IMPROVING.

The market is improving. The weather which has been very warm all week has cooled off and from now on we can expect a much more satisfactory state of things. The first week in October will usher in the annual fall festivities. The Veiled Prophets' ball, the parade of the Million club, and later the horse show, will undoubtedly cause an increase in the demand for all kinds of flowers. Asters are about over, a few stray ones here and there appearing. Tuberoses are a little more plentiful. American Beauty continues to arrive and is eagerly sought, being sold almost before it is taken out of the boxes. Carnations are improving, Enchantress especially. Stock is coming in in increased quantities and very much improved in quality. From all accounts chrysanthemums will be plentiful and of finer varieties than ever. Cool nights here helped Richmond, Chatenay and Killarney roses, of which there are quite a few coming in.

NOTES.

G. T. Waldbart, Jr., was married last Thursday, at 5:30 p. m., to Miss Emma Hojle. George is now taking a vacation and he and his bride are stopping at the Planter's. Congratulations are in order.

F. J. Foster has his handsome show windows always filled with choice flowers. The Misses Anna Bernhardt and Linnie Van Antwerp are his two able assistants.

Ostertag Bros. are very busy this week with store openings. At one of the stores they had a floral ladder 15 feet high of white and purple asters.

Henry Brown has left A. Jablonsky. He has been foreman there for the past three years. He had charge of the plant at Central, Mo.

Henry Emmons, of Belleville, Ill., has just completed a carnation house, 36x 150 feet. This gentleman has a very large local trade.

Ellison Floral Co. has several large orders booked. They had the cut flower decorations at Nugent's dry goods store.

Miss May Mann is at her West End flower store again. She had a very enjoyable time at her home in Maine.

Alex. Siegel is preparing for the fall campaign. Alex. is always figuring on a bargain sale.

C. Young & Sons Co. had the decorations at Boyd's opening.

H. G. Berning is receiving some extra fine fancy dahlias.

Chas. Kuehn is receiving some extra fancy roses.

The Riessen Floral Co. was very busy last week.

Visitors: A. C. Brown, Springfield, Ill.; E. W. Guy, Belleville, Ill.; Henry Emmons, Belleville, Ill.

W. F.

Edw. L. Loyet, who not only conducts a florist's business but also breeds fancy gold fish, is making extensive improvements at his establishment at 918 North Kingshighway. In the first place he is having his entire place newly decorated. Besides this he is figuring on building a handsome 15-foot conservatory adjoining his store, which will make it one of the finest floral establishments west of the Mississippi river. Mr. Loyet has just received word from his representative in Tokio, Japan, that 1,500 of the finest gold fish are about to be shipped. These fish are valued at from $2 to $25 each. Mr. Loyet is putting three new ponds in his place and will be in the market to sell to florists gold fish in lots of from 100 to 10,000.

Mr. Loyet reports business as being very fine. He has already booked several large wedding orders. To meet the growing demands of his business he will shortly erect three new greenhouses, each 35 x 100 feet. One house will be devoted to Boston ferns and the other two for growing flowering plants.

Kansas City.

THE MARKET.

During the past week trade has assumed much activity. The cool weather of the last few weeks has slightly shut off production, but what stock reaches the market shows great improvement. The demand for choice stock is much better. In strongest demand are American Beauty roses. Bridesmaid is making color nicely. Bride roses are more plentiful and of good quality. Chatenay, Richmond and Golden Gate still lack in size of bloom, but a continuation of the cool weather will improve them. Carnations are becoming more plentiful, Enchantress being the best. White and pink sorts from the field are plentiful but of poor quality. Asters which were abundant last week are now much sought for, only a few small ones being available. Dahlias are not so plentiful as last season, due in some sections to a lack of rain. Some fine late ones however, are expected to be in next week and on until frost. Chrysanthemums have not made an appearance yet, but are expected soon in large quantities.

NOTES.

One of our retail show windows was made very attractive last week with large vases of tritoma. Chiffon bows and streamers in keeping with the color of the flowers was arranged with brilliant effect.

A. F. Barbee says trade the past spring and summer shows an increase of 50 per cent over last year. Mr. Barbee has the advantage of the best location in the city for cemetery trade.

W. E. Day, formerly with the Rock Flower Co., who was so successful in the Florists' Club bowling tournament last fall, paid us a visit recently.

F. C. Heinz, of Leavenworth, Kans., was a visitor last week. He expects to begin cutting chrysanthemums within a week.

Several large shipments of bulbs passed through the custom house recently. Most of them for local growers.

A new store of W. J. Barnes on the south side is the latest addition. We wish the new venture much success.

Edw. Ellsworth purchased quite a lot of Pompeiian stoneware which he is showing at the store.

Edw. Bunyas drove to Blue Springs last week with a fine lot of funeral work.

A visit to Miss Peterson's store found all the clerks busy with funeral work.

A. Elberfield has discontinued his Owl drug store stand on Main street.

W. L. Rock has returned from a two-weeks' fishing trip in Arkansas.

Arthur Newell left September 16 on a trip to Texas points.

M. E. Chandler says late dahlias will be good.

K. C.

Louisville.

BUSINESS CONSIDERABLY IMPROVED.

Business the previous week picked up considerably and some very good orders were received. We have had several warm days and plenty of rain; the nights are cool. Openings have commenced, and no doubt there will be some good orders on this account. Roses are very good in quality and supply, and the demand has been unusually good. Carnations sell well and have improved considerably in quality and supply. The supply of asters is becoming short, and the demand is also decreasing. Lilies have had a slow demand. Other stock can be had in satisfactory quantities of good quality, and moves well. Green goods are in satisfactory supply.

NOTES.

The bowling club had a prize match Tuesday night at New Albany, Ind. The members were invited to take supper with Anders Rasmussen, which was very much appreciated. No one can deny this, not event August R. Baumer, who was very late owing to rehearsing his new melodrama entitled, "Lost in New Albany in Broad Day-Light," of which he is the author. The members had the pleasure of viewing the first scene, the most conspicuous part of which is an engine house, showing where the villain lost himself. Mr. Baumer is to be congratulated on his good work. Ross Walker landed the first prize, being closely followed by Joseph Wettle.

There have been some very good windows the past week, it having been state fair week. Next week we will have the horse show.

The regular monthly meeting of the Kentucky Society of Florists will be held the evening of October 2.

Fred L. Schulz will open a wholesale cut flower house at 310 Sixth street, October 1.

Mrs. C. B. Thompson has been displaying grass growing novelties.

Jacob Schulz has been displaying some fine orchids.

F. L. S.

OBITUARY.

Paul R. Pierson.

Paul R. Pierson, father of F. R., P. M. and Lincoln Pierson, all well known throughout the horticultural world, died at his home, Tarrytown, N. Y., September 25, of pneumonia, 78 years old. Besides the three sons named above, Mr. Pierson leaves a widow and three daughters.

MELROSE, MASS.—C. Casey has built up a very successful business here, knowing just how to cater to the best trade of the city.

THE AMERICAN FLORIST

TWENTY-SECOND YEAR.

Subscription, $1.00 a year. To Europe, $2.00
Subscriptions accepted only from those in the trade.

Advertisements, on all except cover pages, 10 Cents a Line Agate: $1 00 per inch. Cash with Order.

No Special Position Guaranteed.

Discounts are allowed **only on consecutive insertions**, as follows—6 times, 5 per cent: 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent.

Space on front pages and back cover page sold only on yearly contract at $1.00 per inch, net.

The AMERICAN FLORIST Advertising Department is for florists, seedsmen and nurserymen and dealers in wares pertaining to those lines only.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Monday to secure insertion in the issue of the same week. Address

AMERICAN FLORIST CO., Chicago.

When sending us change of address always send the old address at the same time.

We do not assume any responsibility for the opinions of correspondents.

THIS ISSUE 48 PAGES WITH COVER.

CONTENTS.

Florists' forcing bulbs and roots..435
—III. Lilium longiflorum (illus.)...435
Primula obconica poisoning (illus.).436
Greenhouse insects 436
A New Orleans garden (illus.).....438
Water bugs in the benches.....439
New seedling montbretias in England 439
Gardening in Northampton, Mass...440
A decorated wagon (illus.).....440
With the growers.....440
—Duilledouze Bros., Flatbush, N. Y. (illus.) 440
Pittsburg 441
Buffalo 441
Baltimore 441
St. Louis 443
Kansas City 443
Louisville 443
Obituary—Paul R. Pierson.....443
Hardy cut ferns scarce.....444
Society of American Florists.....444
The glass market.....444
Chrysanthemum Society of America.444
Coming exhibitions 444
Meetings next week.....444
Welch Bros., Boston, Mass.....446
Beverly, Mass. 446
Chicago 450
Illinois State Florists' Association..450
Philadelphia 452
Boston 452
Massachusetts Horticultural Society452
New York 454
Washington 454
The seed trade 458
—Tulip prices 458
—Erfurt seed crops.....458
—Among Boston seedsmen.....458
—The new English corruption act..458
The nursery trade.....460
—American Pomological Society....460
—York, Neb. 460
—Kansas City 460
Cleveland 464
Madison, N. J.....464
Albany, N. Y.....464
Tacoma, Wash. 464
Bloomington, Ill. 464
Utica, N. Y.....464
Denver 464
News notes 464
Special illustration:
—At the Tipton Greenhouses, Tipton, Ia. 442

OUR Philadelphia correspondent reports a scarcity of 7-inch and 10-inch kentias in his section.

REPLYING to several correspondents we wish to state that examining committees and revised judging scales of the Chrysanthemum Society of America will be found on this page. The annual convention and exhibition will be held in connection with the great annual flower show of the Horticultural Society of Chicago at the Coliseum, November 6-12.

Hardy Cut Ferns Scarce.

Robt. Groves, the hardy cut fern man of Adams, Mass., says his business is somewhat ahead of last year at this time. He predicts a short crop of fern this year. The fronds are smaller and the prolonged dry weather has killed 50 per cent of the plants on the dry hills.

Society of American Florists.

DEPARTMENT OF PLANT REGISTRATION.

Central Park Nursery, Topeka, Kans., submits for registration the following cannas:

Sunburst, a seedling of Souvenir de Antoine Crozy. Identical in foliage and habit with its parent. Bloom differs in that there is no yellow edging but large yellow blotches on the under side. The flower is large, bright crimson in color, and truss is rigidly upright.

Topeka, a seedling of Chas. Henderson. Foliage very heavy and glaucous, habit extremely sturdy, compact and robust. Bloom larger than Henderson, color rich crimson with distinct bright yellow shading along the lower edge of staminodia.

WM. J. STEWART, Sec'y.

The Glass Market.

As the building interests in the eastern territory are now buying more freely of hand-made window glass and thereby curtailing the available supplies in the hands of manufacturers and jobbers, prices are being firmly held on the basis of previous figures, says the New York Commercial. It is not expected that operations will be resumed in most of the hand-made glass factories until the middle of next month, and further advances in prices are likely to be made within the near future. Leading jobbers are now holding their prices at discounts of 90 and 90 and 10 per cent on all single, and from 90 to 90 and 20 per cent on all double sizes.

The American Window Glass Co., which controls the entire output of machine-made glass, still refuses to make any concessions and a strong undertone prevails in all the consuming sections of the east and central west. It is reported in the Pittsburg district that the largest manufacturers of hand-made window glass will make another attempt this winter to market their output through the medium of a general sales agency and also to limit their production materially.

Chrysanthemum Society of America.

EXAMINING COMMITTEES.

President Duckham has announced the committees to examine seedlings and sports on dates as follows: October 6, 13, 20, 27 and November 3, 10, 17 and 24, 1906. Exhibits to receive attention from the committees must in all cases be prepaid to destination and the entry fee of $2 should be forwarded to the secretary not later than Tuesday of the week preceding examination, or may accompany the blooms. Special attention is called to the rule requiring that sports to receive a certificate must pass three committees.

New York, Eugene Dailledouze, chairman, 55 and 57 West Twenty-sixth street, New York, Thos. W. Head and Wm. Turner.

Philadelphia, Pa., A. B. Cartledge, chairman, 1514 Chestnut street, John Westcott and Wm. K. Harris.

Boston, Mass., E. A. Wood, chairman, Wm. Nicholson and James Wheeler. Ship flowers to Boston Flower Market, care of John Walsh.

Cincinnati, O., R. Witterstaetter, chairman, James Allen and Wm. Jackson. Ship flowers to Jabez Elliott Flower Market, care of janitor.

Chicago, J. S. Wilson, chairman, J. B. Deamud and Geo. Wienhoeber. Ship flowers care of J. B. Deamud, 51 Wabash avenue.

OFFICIAL JUDGING SCALES.

The official scales of the society are as follows:

FOR COMMERCIAL PURPOSES.

Color	20
Form	15
Fullness	10
Stem	15
Foliage	15
Substance	15
Size	10
Total	100

FOR EXHIBITION PURPOSES.

Color	10
Stem	5
Foliage	5
Fullness	15
Form	15
Depth	15
Size	35
Total	100

DAVID FRASER, Sec'y.

Coming Exhibitions.

(Secretaries are requested to supply any omissions from this list.)

BOSTON, MASS., November 2-4, 1906.—Chrysanthemum exhibition Massachusetts Horticultural Society. Address Wm. P. Rich, Horticultural hall, 300 Massachusetts avenue, Boston, Mass.

CHICAGO, November 6-12, 1906.—Annual exhibition Horticultural Society of Chicago. Address Willis N. Rudd, Blue Island, Ill.

LENOX, MASS., October 24-25, 1906.—Chrysanthemum exhibition, Lenox Horticultural Society. Address Geo. Foulsham, Lenox, Mass.

LOS ANGELES, CAL., October 31—November 3, 1906.—Autumn exhibition Southern California Horticultural Society. Address Ernest Braunton, 115½ N. Broadway, Los Angeles, Cal.

MADISON, N. J., November 1-2, 1906.—Eleventh annual flower show Morris County Gardeners' and Florists' Society. Address E. Reagan, Box 315, Morristown, N. J.

NEW HAVEN, CONN., November 6-8, 1906.—Annual exhibition New Haven County Horticultural Society. Address Thos. Pettit, 90 Prospect street, New Haven, Conn.

PROVIDENCE, R. I., November 9-10, 1906.—Chrysanthemum and carnation exhibition Rhode Island Horticultural Society. Address C. W. Smith, 27-29 Exchange street, Providence, R. I.

RED BANK, N. J., October 31-November 1, 1906.—Ninth annual exhibition Monmouth County Horticultural Society. Address H. A. Kettel, Red Bank, N. J.

SANTA BARBARA, CAL., October 17-18, 1906.—Chrysanthemum exhibition Santa Barbara County Horticultural Society. Address Thos. Poole, Santa Barbara, Cal.

TARRYTOWN, N. Y., October 30-November 1, 1906.—Eighth annual exhibition Tarrytown Horticultural Society. Address E. W. Neubrand, Tarrytown, N. Y.

WORCESTER, MASS., November 8, 1906.—Chrysanthemum exhibition Worcester County Horticultural Society. Address Adin A. Hixon, Horticultural hall, 18 Front street, Worcester, Mass.

Meetings Next Week.

Dayton, O.—Dayton Florists' Club, 112 South Main street, October 1.

Des Moines, Ia.—Des Moines Florists' Club, Iowa Seed Co.'s store, October 2, at 8 p. m.

Detroit, Mich.—Detroit Florists' Club, 40 Miami avenue, October 3, at 8 p. m.

Hamilton, Ont.—Hamilton Gardeners' and Florists' Club, office of member, October 2, at 8 p. m.

Indianapolis, Ind.—State Florists' Association of Indiana, Commercial club rooms, October 2, at 7:30 p. m.

Lake Forest, Ill.—The Horticultural Society of Lake Forest, Winter club, October 2, at 8 p. m.

Lake Geneva, Wis.—Lake Geneva Gardeners' and Foremen's Association, October 2, at 8 p. m.

Louisville, Ky.—The Kentucky Society of Florists, October 2, at 8. p. m.

Milwaukee, Wis.—Milwaukee Florists' Club, Quiet house, corner Broadway and Mason street, October 4, at 8 p. m.

Minneapolis, Minn.—Minneapolis Florists' Club, Latham's Conservatory, 83 South Tenth street, October 5, at 8 p. m.

Montreal, Que.—Montreal Gardeners' and Florists Club, Alexandria rooms, 2204 St. Catherine stret, October 1.

New Orleans, La.—German Gardeners' Club, 624 Common street, October 3, at 8 p. m.

Newport, R. I.—Newport Horticultural Society, October 3.

Pasadena, Cal.—Pasadena Gardeners' Association, G. A. R. hall, E. Colorado street, October 5, at 8 p. m.

Philadelphia, Pa.—Florists' Club of Philadelphia, Horticultural hall, Broad street, above Spruce, October 2, at 8 p. m.

Pittsburg, Pa.—Pittsburg and Allegheny Gardeners' and Florists' Club, 422 Sixth avenue, October 2, at 8 p. m.

Salt Lake City, Utah.—Salt Lake, Florists' Club, Huddart Floral Co., 114 East Second South street, October 2.

San Francisco, Cal.—Pacific Coast Horticultural Society October 6.

Seattle, Wash.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street, October 2.

Utica, N. Y.—Utica Florists' Club, Hotel Martin, October 4, at 8 p. m.

Washington, D. C.—Florists' Club of Washington, Scottish Rite hall, 1007 G street, N. W., October 2, at 8 p. m.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

Cash with Adv.

Plant Advs. NOT admitted under this head,

Every paid subscriber to the AMERICAN FLORIST for the year 1906 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

Situation Wanted—As fireman: experience and reference. Address JOHN WATTS, Newtown, Pa.

Situation Wanted—By a good all-around grower, capable of managing a large plant. Address Key 785, care American Florist.

Situation Wanted—By first-class orchid grower and gardener, fully up-to-date; best of references. Address Key 788, care American Florist.

Situation Wanted—Experienced man in general indoor and outdoor work is open to engagement in public or private garden; best of references. Address JOHN FABIAN, 2158 W. Kinzie St., Chicago.

Situation Wanted—First-class decorator, designer and store man; has 12 years' experience; is capable, honest and willing. Address S. W. ATLEE, 3333 32nd Ave. So., Minneapolis, Minn.

Situation Wanted—By experienced florist; grower of fine roses, carnations and 'mums; general all-around decorating and design work; good wages expected. Address W. FLORIST, 47 Broadway, Detroit, Mich.

Situation Wanted—As an assistant to a florist; Englishman, age 32, single; six years in Canada; experience inside and out; northeastern states preferred; sober and industrious. Address Key 787, care American Florist.

Situation Wanted—As foreman, by a practical grower of roses, carnations, 'mums and general stock; capable of managing a large plant; good wages expected; references O. K. Address Key 782, care American Florist.

Situation Wanted—Sales manager (practical nurseryman), desiring to make a change, would consider partnership, commission or salaried proposition; accustomed to handle by correspondence large force of agents; competent to install modern office system in retail nursery agency business. Key 775, care American Florist.

Help Wanted—One day and one night fireman; wages $12.00 per week. Address WM. DITTMANN, New Castle, Ind.

Help Wanted—A good man for roses and chrysanthemums. Inquire EMIL BUETTNER, Park Ridge, Ill.

Help Wanted—Young lady of good appearance and address in flower store. Key 789, care American Florist.

Help Wanted—Young man from 16 to 20 years of age, to learn the florist business. Apply to JOHN L. WYLAND De Haven, Pa.

Help Wanted—A first-class carnation grower. Wages $45.00 to $50.00 per month; send references. HASKELL AV FLORAL CO., Dallas, Texas.

Help Wanted—Experienced help for rose and carnation section; also general florist's work. THE GASSER CO., 234 Euclid Ave., Cleveland, O.

Help Wanted—One good nurseryman and good propagator wanted at our nurseries; good wages to right man. VAUGHAN'S SEED STORE, Chicago.

Help Wanted—At once; capable man to take charge of 20,000 feet of glass in carnations; $50.00 per month to start. J. W. DUNFORD, Clayton, Mo.

Help Wanted—A good grower for cut flowers and plants, one to take charge. Address, stating wages and references. Key 783, care American Florist.

Help Wanted—First-class salesman; must be fine designer and possess good habits; good salary to right party. Address Key 784, care American Florist.

Help Wanted—A good rose grower of steady habits. Wages $15.00 per week. Permanent position for the right party. Address Key 790, care American Florist.

Help Wanted—Thoroughly competent man for growing general greenhouse stock. Address, stating experience, references and wages desired. IOWA SEED COMPANY, Des Moines, Ia.

Help Wanted—Man to run four small greenhouses; will pay $3.50 per week, with board, room, washing and everything found; good home for the right man. Key 786, care American Florist.

Help Wanted—Sober, capable, energetic man for small greenhouse vegetables, etc., on private place. State full particulars references, age, wages, etc. Address BOX 43, Mt. Airy, O.

Help Wanted—First-class decorator and store man; only one who is thorough in all details of high-class decorating need apply. Good salary to right man. Address Key 791, care American Florist.

Help Wanted—An expert orchid grower. Must be practical and thoroughly experienced. No amateur or experimenter need apply. Address LOUIS BURK, Girard Ave. and Third St., Philadelphia, Pa.

For Sale—2 000 feet of good, heavy, 4-inch boiler flues at 8 cents per foot. Address JOSEPH LABO, Joliet, Ill.

For Sale—Nine greenhouses, dwelling house and barn, 3½ acres of ground. For particulars address P. O. Box 109, Newtown, Bucks Co., Pa.

For Sale—All the glass 10x12 double strength A, on five houses, each 20 ft. by 115 ft., for $500 as it stands. Will include sash bars and doors. BRANT & NOE FLORAL CO., W. Peterson and N. 48th Aves., Chicago.

For Sale—Worthington duplex steam pump, capacity 30-40 gal. per minute in good condition, $45.00; No. 1 receiver and fittings for pump, good as new $50.00. Dean pump for hand or steam, almost new, $20.00; 6-inch pressure regulator, used two seasons, $50.00; 2½-inch pressure regulator, $18.00. Carnation supports $15.00 per 1000; $125.00 for 10,000. JAMES W. DUNFORD, Clayton, Mo.

For Rent—The Lindley Graperies, Frankford, Philadelphia, with house with conveniences and stable. Apply to ROBERT T. CORSON, Attorney for estate of George Lindley, 4629 Frankford Ave., Philadelphia.

Wanted—Second-hand hot water boiler that will heat about 2,000 sq. ft. glass. Address H. HYDE, R.F.D. No. 4, Huntington, L. I.

WANTED.

Six to ten acres of good land, suitable for market garden, near a good market town. Apply with full particulars to MARKET GARDENER, care R. A. Bacon, Lake Geneva, Wis.

BOILERS.

One 80 H. P. return tubular, one 32 H. P. upright tubular, for sale at buyer's price. Must be moved at once. Address

1416 Washington Ave., PHILADELPHIA.

GLASS.

We have for sale a lot of 16x18 glass A. & B. D. S., at a low price.

A. DIETSCH CO., 617 Sheffield Ave., CHICAGO.

FOR SALE.

Des Moines, Iowa, wholesale and retail greenhouse establishment, 29,000 feet of glass, three acres of ground, well located, all in good order, with good wholesale and retail trade. Price $8 000; terms reasonable.

VAUGHAN'S SEED STORE CHICAGO.

If anyone with

$4,500.00 CAPITAL

wants an up-to-date florist establishment that pays over $5,000.00 per year, he can get it with satisfaction guaranteed by writing

W. BUTLER, FLORIST, CHILLICOTHE, . - OHIO.

For Sale for $6.000.

IT WILL PAY YOU TO INVESTIGATE THIS.

The only greenhouse in growing city of nearly 3,500 in Southern Wisconsin. Six houses: four are 16x40, two are 16x70, with 7,000 sq. ft. of glass; all houses well piped and in good condition.

One acre of beautifully situated land on Rock River, three blocks from business center of city, with 300 feet of river front and good boat house.

Good 9-room house, large woodshed and barn. Good supply of carnations roses chrysanthemums, ferns, palms and many other plants, besides fruits.

No. 9 Kroeschell boiler, and extra boiler. City water. Owner too old to continue in business. Has **good** business worked up for a man with business ability. **Rigid investigation of this proposition desired.** Address at once

A. M. WEBB, Fort Atkinson, Wis.

GLASS FOR SALE.

We have for sale a quantity of A. and B. double thick, Pennsylvania hand made, tank glass, all of which runs exceptionally uniform in quality and thickness. Terms cash. Inquiries solicited.

King Construction Co.
NORTH TONAWANDA, N. Y.

PAID UP....

Subscriptions Show That Readers Like the Paper.

PLANTS YOU NEED THIS FALL.

	Size pots	Per 100	1000
Asparagus Plumosus, strong, bushy plants	2¼-in.	$2.50	$22.50
" " strong, bushy plants	3-in.	5.00	45.00
" " strong, bushy plants	4-in.	9.00	85.00
Asparagus Sprengeri, strong, bushy plants	2¼-in.	2.00	18.00
" " strong, bushy plants	3-in.	4.00	35.00
" " strong, bushy plants	4-in.	8.00	
Crotons, fine assortment of leading kinds	2¼-in.	3 00	25.00
Ferns, Nephrolepis Elegantissima	2¼-in.	4 50	40.00
" " "	3-in.	9.00	
" " "	4-in.	15.00	125.00
" Nephrolepis Bostoniensis	2¼-in.	3.00	25.00
" " "	3-in.	8.00	75 00
" " "	4-in.	15 00	
" Nephrolepis Piersoni	2¼-in.	3 00	27.50
" "	4-in.	15 00	
" Nephrolepis Whitmanii	2½-in.	18.00	150.00
Ferns for Fern Dishes, 10 sorts	2-in.	3.50	30 00
Ficus Elastica (Rubbers) 10-in. to 15-in		25.00	
" " 15-in. to 18-in		30.00	
Primula Obconica	2¼-in.	2.50	20 00
Orange Otaheite, strong	2¼-in.	3 00	27.50
" " strong	3-in	5.00	
" " strong	4-in.	10 00	

Lemon Ponderosa. This is growing in favor not only as a fruiting plant but many florists are planting it for the blossoms. It blooms in large panicles the individual blooms almost as large as tuberoses. It has a true orange flower fragrance and is elegant for weddings.
Strong 4-in. pot plants, per 100 ..... $12.00
Strong, 5-in. pot plants, per 100 ..... 15.00

Cycas Revoluta, 3 sizes, fine plants, good values at 75c, $1.00 and $1.25 each
Araucaria, 3 to 4 tiers, fine stock 85c each: $9 00 per doz.; $70.00 per 100
Peonies, assorted in cslor. red white, pink and rose. Strong roots, 3 to 5 eyes $7 50 per 100; strong roots, 5 to 7 eyes, $10.00 per 100.
For **Named Peonies,** write for our Wholesale Price List; just out.

ROSES.

	Size pots.	Doz.	100	1000
Baby Rambler	2½-in.		$ 3.50	$30.00
Baby Rambler	4-in.	$3 00	25.00	
Lady Gay, the new Rambler that everybody wants for pot culture. Strong stock	2½in.	1.50	10.00	90.00
Helen Good, the new Cochet, color of Golden Gate. A sport from Maman Cochet. It's a genuine Cochet	2½-in.	3.50	25.00	200.00
Killarney	2½-in.	.75	6.00	
Kaiserin A. Victoria	2½-in.		3.00	27.50
Souv. de Pres. Carnot	2½-in.		3.00	27.50
White Maman Cochet	2½-in.		3 00	25.00
Maman Cochet (pink)	2½-in.		3.00	25.00
Clothi de soupert	2½-in.		2.50	22.50
Hermosa	2½-in.		3.00	25.00
Gruss an Teplitz	2½-in.		3.00	27.50

FIELD-GROWN RAMBLERS.

Crimson Rambler, XX, 5 to 8 canes, extra strong	2.00	15.00	120.00
Crimson Rambler, No. 1, 4 to 6 canes, strong	1.50	12 00	100.00
Crimson Rambler, No. 2, 2 to 4 canes	1 00	6.50	60.00

THIS IS FINE, CLEAN STOCK.

If you are in the market for any kind of roses please write us. Our catalogue is ready to mail, describing all kinds of roses and other plants.

THE GOOD & REESE CO., Largest Rose Growers in the World, **Springfield, O.**

Welch Bros., Boston, Mass.

No more interesting event has occurred for many years than the re-establishment of the well-known firm of Welch Bros. The necessity of procuring larger and more modern facilities for the wholesale handling of flowers has for some years occupied the whole thought of this firm already established in convenient and commodious quarters. It is of especial interest to growers and retailers throughout New England, Canada and the provinces with which sections this firm transacts most of its business. For 10 years the headquarters of this concern has been at 15 Province street, but on October 1 they will open at their new and spacious store at 226 Devonshire street, centrally located on Winthrop square.

P. Welch, who is one of the best known tradesmen in this section, was the originator and founder of the celebrated firm which began business on a miniature scale October 10, 1877, at the corner of Tremont and West streets. One room was sufficiently large at the time for the amount of business commanded, but with the unceasing attention and energy shown to all details it was but a short while before the first forward step was taken. A street floor was secured at 165 Tremont street and business was transacted on a larger scale, Mr. Welch having admitted to membership in the firm his two brothers, David and Edward. The combined efforts of these three brothers, who worked with tireless devotion, never letting their personal ambitions to interfere with the interest of the firm, early resulted in developing a lucrative business. In 1892 the store at 2 Beacon street was secured, for after four years' occupancy the former quarters were too congested.

Still another forward step was ventured and in a short while the Province street building was leased and in the minds of the proprietors this location would serve for all time. Ample space was at hand and departments were laid out to facilitate the details of the enormous business which had by this time developed. This site was conveniently located and of easy access adjacent to that well known hostelry, the Parker house, and within a stone's throw of the Boston city hall. Two entrances, one on Province street and the other on Chapman place, were of great advantage, as at times wagons had to wait their turn at loading and unloading.

At first it was intended to confine the business to cut flowers alone, but the necessity of providing their customers with a full line of florists' stock, they became engaged in the dry and hardy supply branch, which now has grown to mammoth proportions. The new store on Winthrop square is admirably located, being equally distant from both the north union and south union stations, and in the immediate vicinity of all express offices.

For years the handling of a grower's flowers has been the object of the deepest thought of the firm and no expense has been spared or no detail has been neglected in making this establishment ideal throughout. Every facility known to be of advantage has been installed and complete harmony is the aim of the house. The paramount idea is to return to the growers as much for their stock as is reasonable to ask, the basis always being "the market price." For the caring of a surplus stock a suitable storage room must be ready for immediate use. For this purpose a mammoth cold storage system has been installed for the protection of stock remaining unsold. This room occupies over 1,500 square feet and in comparison is more space than the whole establishment occupied at Province street. The power for furnishing the cold air will be supplied by a dynamo located in the basement of the building and so thoroughly have all the details of this innovation been studied that this advanced idea will mark an epoch in the flower business. The total floor space to be occupied is 15,000 square feet, making ample room for customers to inspect and purchase stock.

Established for almost a third of a century, this enterprising and always growing firm, whose motto from the beginning has been "Strict and prompt attention to business, civility to customers and financial promptness," will continue under the proprietors' personal direction. Although the flower trade has changed wonderfully since their advent into business they have always kept well in advance of the modern ideas. The commission man was not at first in existence, but times have changed so that today he is the recognized medium standing between the grower and retailer, and among the firms of the country no other is better known than that of Welch Bros'. City Hall Market. B.

Beverly, Mass.

Nursery trade bids fair for this autumn along the north shore, there being several new places to be planted. Some of the work has already been given out.

H. C. Frick's new place is just about completed and is one of the prettiest on the north shore.

Sam'l Scott, the gardener who laid out the grounds and did the planting at "Swiftmoor" and who has been absent from there for three years, returned to Mrs. E. C. Swift last May and has laid out some new gardens. He is doing a great deal of planting this fall. "Swiftmoor" is famous for its rhododendrons.

OCTOBER 1, 1906

Inaugurates the consolidation of the two Philadelphia Wholesale Houses, where the Florists of the universe will make no mistake in trading.

S. S. Pennock-Meehan Co.

1608-18 Ludlow St., "The" Wholesale Florists of Philadelphia

NOTICE.

October 1st we will occupy our new quarters, **226 Devonshire St., near Franklin.**

WELCH BROS.

15 Province St., BOSTON, MASS.

TRADE DIRECTORY OF 1906.

FLORISTS, SEEDSMEN and NURSERYMEN

—OF THE—

United States and Canada.

—ARRANGED BY—

States, Postoffices and Alphabetically.

PRICE $2 00, POSTPAID.

American Florist Company,
324 Dearborn Street, CHICAGO.

FERNS.

Extra Fine and Cheap.

FROM BENCH. Boston, 3-inch 5c; 6-7-in., 15c. Boston and Piersoni 4-inch, 10c.; 5-inch, 12½c. Tarrytown, 3-inch, 10c.; 4-inch, 15c; 6-inch, 25c; Tarrytown Runners, fine stock, $2.00 per 100. Scottii, 3-inch, 8c; 4-inch, 12½c; 5-inch, 15c.

PRIMROSE, Chinese, white, strong, 2-in., 1½c.
JERUSALEM CHERRIES, field-grown, for 4-in., 3c.
FLOWERING BEGONIAS, 8 kinds, 2-inch, 2½c.
REX BEGONIAS, 2-inch, 4c.
ASPARAGUS SPRENGERI, 2½-in., $2.00 per 100.
Dbl. ALYSSUM, Giant white, 2-inch, 2c.
PANSIES, Giant, $3.00 per 1000.
Dbl. DAISIES, Snowball, Longfellow, Delicata, $2.50 per 1000. **STEVIA** Serrata, field, 4c.
RUBBERS, top grown, 4-5-inch, 15c and 25c.
Cash or C. O. D.

BYER BROS., Chambersburg Pa.

SUPPLIES FOR

WESTERN FLORISTS.

We carry a full assortment and can save you time and money.
Ask For Price List.

The Barteldes Seed Co.

DENVER, COL.

TAKE MY WORD FOR IT.

—THE—

Rose Pink Enchantress

Will pay you well to invest in.

It is a variety of superior merit, both free and "fancy," and of a color that you have been looking for in vain during the past two seasons.

Price: $7.00 per 100; $60.00 per 1000.

S. S SKIDELSKY,

824 No. 24th Street, PHILADELPHIA, PA.

Descriptive circular on application.

RICE BROTHERS

WHOLESALE 113 N. 6th St.,

SHIPPERS of home-grown Cut Flowers, comprising the newest varieties of blooms. Full line of supplies and decorative greens. Trial order solicited. Weekly price list issued.

MINNEAPOLIS, MINN.

Please mention the American Florist when writing

H. WOODS, CHICAGO.

127 S. Water St.

We wish to buy in car lots Holly, Mistletoe, Southern Smilax, Needle Pine, Magnolia, Sago and other Palm Leaves.

Write us for prices on all lines of Holiday Greens, Holly and other wreaths. Evergreen Wreathing, etc

---

ABUNDANCE!

Healthy stock, field-grown plants. 1st size, $12.00 per 100; $100.00 per 1000; 2nd size, $10.00 per 100; $75.00 per 1000; 250 at 1000 rates. Delivery 15th of August. Cash with order.

RUDOLPH FISCHER, GREAT NECK, L. I., N. Y.

Please mention the American Florist when writing

CARNATION PLANTS Extra fine, Field-grown.

Enchantress, $6.00 per 100; Joost, Prosperity, Wolcott, new Daybreak, $5.00 per 100. Terms cash

M. J. SCHAAF, Dansville, N. Y.

NEW CROP GREEN GALAX,

60c per 1000, or $5.00 per case of 10,000, or $2.75 per case of 5000. Cash with the order or satisfactory reference.

C. W. BROOKS, Laurelbranch, N. C.

NEW CROP SOUTHERN WILD SMILAX

The Man Who Gave You The Wild Smilax.

Is Now Ready for Shipment.

Twenty-four (24) hours notice necessary on telegraphic orders.

Caldwell The Woodsman Co.

EVERGREEN, ALABAMA.

WE HAVE IT! THE HIT OF THE CONVENTION!

BEAVEN'S FADELESS SHEET MOSS.

FROM THE AMERICAN FLORIST. The Judges' Report, Aug. 25.

Awards made by the judges as follows: E. A. Beaven, Evergreen, Ala., fadeless sheet moss highly commended.

FROM THE FLORISTS' EXCHANGE, August 25, 1906.

The Awards to Miscellaneous Supplies:

Beaven, E. A., Evergreen, Ala.—Sheet moss chemically treated, a very useful article Highly Commended.

E. A. Beaven, Evergreen, Ala., attracted a great deal of attention with his exhibit of fadeless sheet moss, and also exhibited everything that is worth while in southern evergreens.

Packed in bags of 100 sq. feet. Price per bag, $3.50; New York, Philadelphia or Chicago expressage allowed. For sale by Florists' Supply Houses everywhere, or can be had direct from the introducer.

Send for Free Samples.

J. B. Deamud, Chicago, Ills., Northwestern Agent.

SOUTHERN WILD SMILAX NOW READY.

E. A. BEAVEN, - Evergreen, Ala.

New Crop Dagger and Fancy Ferns

$1.00 per 1000.

FOR EVERY OCCASION.

HARDY CUT DAGGER and **FANCY FERNS,** per 1000.. 1.00
Discount on large orders
BRILLIANT BRONZE and **GREEN GALAX,** per 1000.. 1.00
10,000 lots $7.50.
BOUQUET GREEN, per hundred yards..... 7.00
LAUREL FESTOONING, good and full, 5c to 6c per yard
LAUREL WREATHS, per dozen..... 3.00
BRANCH LAUREL, per bunch.....$ .50
BOXWOOD, per pound..... .20
LEUCOTHOE SPRAYS, per hundred..... 1.00
GREEN and **SPHAGNUM MOSS,** per barrel 1.00
LYRATA, which makes a fine substitute for decorations for June.

Also headquarters for all Florists' Supplies, such as **Milkweeds, Wire Designs, Cut Wire,** all kinds of **Letters, Immortelles, Cycas Leaves,** sheaves of **Wheat, Ribbons, Corrugated Boxes** of all kinds, etc.

HENRY M. ROBINSON & CO., L. D. Phone 7618 Main. **8 to 11 Province St., Boston, Mass.**

Extra Fine New Crop **FANCY FERNS** **$1.00 per 1000** Discount on large orders.

GALAX.....per 1000, $1.25

Send for our weekly price list on Cut Flowers. Let us have your standing order for Ferns; will make price right all through the season.

MICHIGAN CUT FLOWER EXCHANGE

WM. DILGER, Mgr. 38 and 40 Broadway formerly Miami Ave., DETROIT, MICH.

Great Chicago Flower Show

—TO BE HELD IN CONNECTION WITH THE—

Annual Convention and Exhibition

—OF THE—

Chrysanthemum Society of America

At the Coliseum, November 6-12, 1906.

FOR REVISED PREMIUM LIST

Address WILLIS N. RUDD, Secretary,

First National Bank Building, - - CHICAGO.

No "Baiting" Advertising Rates.

WE have received several requests lately to insert trial advertisements free of charge "as other trade papers offer."

We wish to state that

THE AMERICAN FLORIST

has nothing to offer free of charge or at cut rates. We have no privileged customers.

We give advertisers full and overflowing value, and that is all any honest advertiser needs.

Advertisers are paying double for so-called cheap advertising in useless correspondence.

THE AMERICAN FLORIST

readers are buyers who pay their bills.

American Florist Company

Lilium Harrisii

FOR XMAS FORCING.

Well ripened and carefully graded bulbs.

5 to 7 Inches,

Per 100.....$4.50; per 1000.....$40.00

VAUGHAN'S SEED STORE,

84-86 Randolph St., CHICAGO. 14 Barclay St., NEW YORK.

Special to Get Room.

Send cash. Money back if not satisfied. Prices good for one week or only until stock is sold.

FANCY FICUS, 5-in., 18 to 24 in.....35c
BOSTON FERNS, 3-in., per 100.....$7.50
Ask us to send our new list of Ferns.
Take our Fern List and deduct 10 per cent.
ROSES. Our list 20 per cent. off in 1000 lots only.
CHINESE PRIMROSES, 2-in.....$ 5.00
PRIMULA OBCONICA, 2-in..... 5.00
CYCLAMEN, fancy, 3-in., per 100, $7.50; 4-in., 20.00
CELESTIAL PEPPERS, 3-in., ready for 5, $5.00; 5-in., $10.00; 8-in., $25.00.
CARNATIONS, field-grown, Mrs. Joost $5.00 per 100.
POINSETTIAS, 2½-in., $5; 3-in., $7.50; 4-in. $12.50.
If there is anything you want, write us.

GEO. A. KUHL, Pekin, Ill.

FOR SALE—CARNATION PLANTS

FINE, FIELD-GROWN.

500 Mrs. Patten at.....$4.00 per 100
1000 Queen Louise at..... 3.00 per 100
400 Enchantress at..... 4.00 per 100

S. H. WHITE,

L. B. 306. STAATSBURG, N. Y.

GRAFTED ROSES. EXTRA FINE PLANTS FREE FROM MILDEW.

Killarney, 3½-in. pots.....15c
Liberty, Kaiserin, Maid, 3½-in. pots, $12.00 per 100

ON OWN ROOTS.

Richmond, Perle, 3-in pots.....$6.00 per 100
Bride, Maid, Golden Gate, Kaiserin, Liberty, Wootton, 3-in. pots.....$4.00 per 100

J. L. DILLON, Bloomsburg, Pa.

Muskogee Carnation Co.

Get your flowers cut fresh from greenhouse.

AMERICAN BEAUTY, BRIDE, MAID, RICHMOND and CARNATIONS.

All fancy varieties; also surplus stock of Bride and Maid, 4-inch pots. Fine plants.

MUSKOGEE, IND. TER.

Nephrolepis Scottii.

Small plants from the benches, $5.00 per 100; $50.00 per 1000. Plants large enough for 6-inch pots, $25.00 per 100. Plants large enough to go in 7 and 8-inch pots, $50.00 per 100.

Asparagus Plumosus Nanus, 2¼-inch, fine plants, $3.00 per 100.

JOHN SCOTT,

Rutland Road and East 45th Street, BROOKLYN, N Y.

Telephone 2890 Bedford.

ASPARAGUS

PLUMOSUS NANUS, 2-inch pots, $3.00 per 100; $25.00 per 1000, transplanted from the bench, $2.50 per 100; $20.00 per 1000.

SPRENGERI, 2-inch, $3.00 per 100; $25.00 per 1000, from bench, $2.50 per 100; $20.00 per 1000.

WM. CLARK, Colorado Springs, Col.

The Regan Printing House

LARGE RUNS OF

CATALOGUES —OUR— SPECIALTY

WRITE FOR FIGURES.

83-91 Plymouth Place, CHICAGO.

The American Florist Company's

DIRECTORY

Contains the names and addresses of all the Florists, Seedsmen and Nurserymen in the United States and Canada. Price $2.00.

AMERICAN FLORIST CO.,
324 Dearborn Street Chicago, U. S. A

Chicago.

BUSINESS GOOD.

Trade conditions showed an astonishing improvement the past week with large quantities of stock daily arriving and disappearing to the tune of good prices and cool weather. The entire aspect of the market has changed; the stores are filled with buyers and clerks are busy with shipping orders of all kinds, packing and unpacking and shouting orders to the waiting bookkeeper. The scene is one of rejuvenated business, life and action,—in striking contrast to the extreme sluggishness that has characterized business all summer. Cool weather found this city early in the week with an excess of supplies and few orders, either local or shipping, but under its benefitting influence, stock of all kinds shortened up, prices became firm and a model condition generally prevailed. American Beauty has held the center of the stage for some time. Any quantity of exceptionally fine material is to be had at normal prices. No single house seems to have the better of its neighbor so far as quality and amount of sales are concerned. Liberty, Chatenay, Bride and Bridesmaid, and all other standard roses are at a premium, the supply being very limited. Most of the stock is fairly good with the exception of Bridesmaid. There has been a dearth of good Bridesmaid this season and the condition has not altered now. Outdoor carnations also, are disappointing, as the flowers are small, soft and in no condition to ship. Heavy rains are responsible for this. The supply of asters has shortened considerably, and, while the quality is not of the best, some good sales are made. Everything considered, however, the market shows excellent promise and wholesalers are looking forward to a good week.

NOTES.

The executive committee of the Horticultural Society of Chicago held a prolonged meeting September 24, at which much routine work was done in connection with the forthcoming show, which is to be held at the Coliseum November 6-12, in connection with the annual convention of the Chrysanthemum Society of America. A meeting of all who are interested in the show will be held at the Union restaurant, Monday evening at 7 o'clock, when some important announcements will be made. All horticulturists and florists are invited.

P. J. Hauswirth furnished the decorations for the Fairbanks banquet at the Auditorium last week. There were seven tables including that of the speakers, all of which held a vase of carnations, ferns and Richmond roses for each plate. Each table was adorned with two large vases of asters and gladioli with the exception of the speakers' table which had seven center pieces made with these flowers.

The E. F. Winterson Co. is making several important changes in the arrangement of its store. The office has been removed to the opposite side of the room and the wire department has taken its place. Ed. Winterson now has his desk where the fern table formerly stood. John Degnan has charge of the office.

The reconstruction germ seems to have been turned loose in the Flower Growers' Market. Vaughan & Sperry are contemplating the erection of a partition to separate their office from the stock room, while John Sinner, thinking of cold days to come, has decided to do likewise.

E. C. Amling is considering the advisability of changing the arrangement of his store, but owing to the peculiar lay-out of his rooms, finds it a difficult problem. He desires to use the front entrance for transporting stock to and from the street without interfering with the office.

Fine American Beauty seems quite plentiful in the market this week. J. A. Budlong, Poehlmann Bros., Bassett & Washburn, Peter Reinberg, and Scheiden & Shoos are all handling exceptionally good stocks and it would be hard to say which has the best.

Reports from Niles Center indicate that the surrounding country is again a victim of the weather. This time, however, it is excessive rains that have practically ruined outdoor stock. Carnation crops in particular have suffered.

A considerable delegation will attend the Springfield meeting of the Illinois State Florists' Association October 4, leaving this city Wednesday night, October 3, on the Alton railroad at 11:43. The fare for the round trip is $4.

A. L. Randall returned from his Michigan fruit farm September 28. The company is receiving a large quantity of florists' supplies which Miss Tonner purchased on her recent trip to Europe.

The marriage of Otto Goerisch, of A. L. Randall's, to Miss Lillian Giggel is announced for October 10. The ceremony will be performed in the home of the bride.

The E. F. Winterson Co. is receiving daily shipments of violets from eastern growers. The firm handled 2700 of these flowers during the past week.

Sinner Bros. are handling a fine stock of Bride and Bridesmaid roses this week. As good Bridesmaid is scarce, they are having a fine run on them.

John S. Seele, of Benton Harbor, Mich., spent a few days in the city last week. He has purchased a range of greenhouses at St. Joseph.

The Geo. Wittbold Co. is building a cement storage house at the Edgebrook establishment for the preservation of stock during the winter.

Hugo Schroeter, of Detroit, Mich., spent several days in the city last week purchasing stock for a new flower store in Detroit.

C. W. McKellar says the orchid market shows a decided improvement. He is handling a large and fine stock of cattleyas.

Benj. Hammond, the well known insecticide man of Fishkill-on-Hudson, N. Y., expects to pay us a visit next week.

Miss Wolf, of the J. A. Budlong Co., left the city several days ago for a two week's trip to Colorado.

The Chicago Rose Co. is cutting heavily of choice Killarney. It is good clean stock and sells readily.

Jacob Russler, near Mt. Olivet, is reported in financial difficulties.

Visitors: Thos. Chapman, Denver, Col., returning from the east; Albert T. Hay, Springfield; B. Juerjens, Peoria; Mr. Howard, of Howard & Smith, Los Angeles, Cal., returning from Europe; Mr. Eggling, of the Eggling Floral Co., St. Louis, Mo.; Hugo Schroeter, Detroit, Mich.

Illinois State Florists' Association.

There will be a meeting of the executive committee of the Illinois State Florists' Association October 4 at 2 p. m., in the Doze building at the state fair grounds, to discuss matters of interest to the society. All florists are cordially invited to attend.

MILWAUKEE, WIS.—John Laberos, a Greek, was arrested here recently on complaint of Frank Ganros, his employer, who alleges that the former embezzled money belonging to the firm.

DUBUQUE, IA.—The second annual flower show of the local humane society opened September 13 in Temple hall, and hundreds availed themselves of the opportunity to view the exhibit. The show, however, was not a financial success.

TIPTON, IA.—The Rev. J. K. Shiffer, of the Tipton Greenhouses, has added a large house to his establishment owing to the increase of business. The houses are all planted and some fine roses are being cut. The carnations are in fine shape. A wholesale as well as retail business will be carried on hereafter. Thos. W. Patterson is the efficient grower in charge.

Bassett & Washburn
76 & 78 Wabash Ave., CHICAGO,
Wholesale Dealers and Growers of **Cut Flowers**
GREENHOUSES: HINSDALE, ILL.

E. F. WINTERSON CO.
45-47-49 Wabash Ave., CHICAGO.
All Cut Flowers in Season.
SEND YOUR FALL SUPPLY ORDERS TO
"Leading Florists' Supply House of the West."
WE CARRY EVERYTHING IN SUPPLIES.

E. H. Hunt,

WHOLESALE

Cut Flowers

"THE OLD RELIABLE."

76 Wabash Ave., ...CHICAGO.

Please mention the American Florist when writing.

E. C. AMLING

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

32, 34, 36 RANDOLPH ST.,
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Please mention the American Florist when writing

WEILAND & RISCH

Wholesale Growers and Shippers of
CUT FLOWERS
59 Wabash Ave., CHICAGO.
'Phone Central 879.
Write for our wholesale price list.

WHOLESALE FLORISTS

Please mention the American Florist when writing.

Jensen & Dekema

CARNATION SPECIALISTS

674 W. Foster Ave., CHICAGO.

Please mention the American Florist when writing

SINNER BROS.

WHOLESALE CUT FLOWERS
60 Wabash Ave., Chicago.
Careful attention to all
SHIPPING ORDERS.

Please mention the American Florist when writing.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty.....

WHOLESALE GROWER of CUT FLOWERS

Chas. W. McKellar

51 Wabash Ave.,
CHICAGO.

ORCHIDS
A Specialty,

Fancy Stock in VIOLETS, VALLEY, ROSES BEAUTIES, CARNATIONS and a full line of all Cut-Flowers Greens, Wire-Work and FLORISTS' SUPPLIES.

Send for Complete Catalogue.

Wholesale Flower Markets

CHICAGO, Sept. 26.

Roses, Beauty, 30 to 36-in. stems		4 00
" " 20 to 24 "	2.50@	3.00
" " 15 to 18 "	1.50@	2.00
" " 12 "	.75@	1.00
" Liberty, Chatenay	3.00@	6.00
" Bride, Bridesmaid	3.00@	6.00
" Golden Gate	3 00@	6.00
" Killarney, Richmond	4.00@	10.00
Carnations	1.00@	1.50
" fancy		2.00
Lily of the valley	2.00@	4.00
Harrisii lilies.....per doz. $1.50		
Asparagus plumosus, per string 35 to 50c.		
" " .35@ 1.00 per bu.		
" Sprengeri	2.00@	4.00
Galax leaves.....per 1000, $1 25		.15
Adiantum	.75@	1.00
Fancy ferns....per 1000		1.50
Smilax.....per string, 10c @12½c		
Sweet peas		.50
Asters	1 50@	2.00
Auratum lilies .....doz., 1.50		

Poehlmann Bros. Co.

Wholesale Growers of and Dealers in Cut Flowers.

All telegraph and telephone orders given prompt attention.

Greenhouses: MORTON GROVE, ILL.
35-37 Randolph St., CHICAGO.

WIETOR BROS.,

Wholesale Growers of Cut Flowers

All telegraph and telephone orders given prompt attention.

51 Wabash Ave., CHICAGO.

J. B. DEAMUD CO.

Wholesale Cut Flowers,

51 and 53 Wabash Ave., CHICAGO.
Long Distance Phone Central 3155.
Consignments of Choice Flowers Solicited.

The Geo. Wittbold Co.

1657-1659 Buckingham Place, CHICAGO.

The only retail florist in Chicago who grows his own cut flowers.

FUNERAL WORK ORDERS, OUR SPECIALTY

Be your own Commission Man

THE
FLOWER GROWERS' MARKET
furnishes the facilities.
See PERCY JONES, Mgr.
60 Wabash Ave., CHICAGO.

Vaughan & Sperry,

Wholesale Florists,

58 and 60 Wabash Ave., CHICAGO.

WRITE FOR SPECIAL PRICES.

Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO.
Telephone, Central 3284.

Please mention the American Florist when writing.

PETER REINBERG

Grower and Wholesaler of Cut Flowers.

1,200,000 feet of glass.
Headquarters for American Beauty.

51 Wabash Ave., CHICAGO.

Always mention the American Florist when you order stock.

KENNICOTT BROS. COMPANY

40-42-44 Randolph St., CHICAGO.

Our reputation has always been that we fill orders when others fail. All stock in season at Lowest Market Rates.

THE BENTHEY-COATSWORTH CO.

35 RANDOLPH ST. WHOLESALE FLORISTS CHICAGO.

Philadelphia.

TRADE FAIR.

There has been quite a move in American Beauty, the demand keeping the market bare the past week. Prices have stiffened in consequence, the medium sizes, for which there has been the greater call, being the most affected. Prices range from $1 to $3 per dozen. Other varieties sell fairly well, $6 being about high for special teas. Carnations are improving rapidly and some very nice flowers are seen in white and Prosperity, $2 being about high for the specials. Dahlias are still in first place for quantity, all growers apparently working overtime in harvesting their crops. The quality is fine. Here is a pointer for them. Let all local growers get together and decide on about 15 of their best varieties and have these in such quantities that their trade can depend on them for a supply. The market list now comprises innumerable kinds, many of which, when orders are taken for the next day in the stores, cannot then be duplicated, as they are not to be found in that day's shipments. Many of the flowers are cut long-stemmed, a great surplus of buds and foliage making them very bulky. Much of this has at times to be cut away to show the flower to advantage. Such flowers do not keep nearly as well, the soft foliage buds wilting easily, thus detracting instead of adding to the effect. Herman Zimmer, of Collingswood, N. J., who grows dahlias in quantity, says he always breaks out the first flower, the two or three surrounding buds giving him much better results when they come in.

THE MARKET COMPANY.

At a meeting of the stockholders of the Philadelphia Wholesale Market Co., held in Horticultural hall, September 25, it was unanimously resolved to liquidate and go out of business, Saturday, September 29 will be the last day that flowers will be received on commission. The market building will be occupied by its present tenants and stockholders until July 1, 1907, at which time the lease terminates. It is thought that the assets of the company will be quite sufficient to repay the capitals advanced by the stockholders, one-third of this to be paid at once, another third in a short time and the balance when the concern is finally wound up.

Chas. Meehan enters the firm of the S. S. Pennock, Meehan Co. October 1, taking nearly all the consignees of the market company with him. It is said that the present stockholders and tenants of the market may hold together at the end of the lease of the present building, and continue to do business together either there or in another central location.

NOTES.

W. K. Harris is making a great hit with his "lucky clover." Noticing one of his varieties of shamrock that carried a great proportion of its leaves in the much desired cluster of four to a stem, he propagated and worked up quite a stock and they are now selling like American Beauty roses at Christmas time. Score one more for William K.

Thos. M. Fitzgerald, Beaver, Pa., was doing this city the past week. Wm. C. Harry, of the Sign of the Rose Flower Shop, who worked for Mr. Fitzgerald in Beaver, piloted him around. Mr. Fitzgerald was much pleased with the retail stores and the great facilities of the wholesale commission houses and dealers in florists' supplies.

John McIntire, who was to open his wholesale cut flower business at the market, thought he would not have room enough and has rented the premises at 1601 Ranstead street, right in the heart of the city, close to the depots and express offices. He expects to open October 1.

The Robt. Craig Co. will be right in it with their gardenias for the next month or two. Two houses planted out on tables left over from last season are thickly set with buds. The plants are blooming nicely now and the flowers find a ready sale for the early fall weddings.

H. Bayersdorfer & Co. are pushing forward the work on their new Arch street store and factory and hope soon to be able to occupy a part of it. They say they were never so busy at this season of the year before.

Look out for kentias. Almost all of the palm growers in this city are sold out of the 7-inch to 10-inch pot sizes in finished plants. There is plenty coming on but stock for immediate use is not in sight hereabouts.

Paul Klingspoon, late of the Rosery Flower Shop, is now with Wm. McKissick, where he will work up the city store trade.

The first single violets were seen at S. S. Pennock's September 20. They were nice flowers for the season.

K.

Boston.

SLIGHT IMPROVEMENT IN TRADE.

There has been a slight improvement in the general trade the past week. The weather is altogether too pleasant for the wealthy to leave their country places for the city. The extreme drought of the past three weeks has been relieved by two heavy falls of rain. Frost has yet to be seen; however, outdoor stock is becoming less prominent and the demand for indoor stock is growing rapidly. Roses, carnations, violets, and lily of the valley are the chief factors in the cut-flower market, with the supply unlimited. Asters are of inferior grade. American Beauty roses are plentiful and in general they are very satisfactory to the purchasers. For extra fine roses with the usual lengthy stems there is as yet no demand. Very few good carnations are seen. A good supply of remarkably fine violets, considering the earliness of the season and the very unfavorable weather for the successful growing of these flowers, has attracted great attention and numerous worthy comments.

NOTES.

Wm. Sim has entered the market with his annual large supply of Princess of Wales violets. Although the weather has been contrary to that for ideal cultivating of this flower this able producer has succeeded in turning a crop several weeks in advance of the usual violet season, and what is more remarkable the blooms are excellent.

Sidney Hoffman has on hand at his greenhouses at Mt. Auburn a large stock of Begonia Gloire de Lorraine now ready for the market, being much in advance of the usual season. The plants are excellent specimens in 8 inch pans, with good foliage and abundantly supplied with blooms.

J. W. Newman & Sons have secured the store at 24 Tremont street, within a block of their present location. They expect to be established by October 1. The interior is being modeled with great taste and when completed will be one of the best examples of a retail flower store.

Henry Penn, the successful young florist of Bromfield street, purchased at an auction the other day a pair of magnificent chestnut horses. They have been in use at the fire-fighting exhibition at Wonderland park all summer. The price paid for the steeds was $600.

Wm. Nicholson is expected home from his European trip this week, arriving on the S. S. Ivernia of the Cunard line. From reports received he is greatly improved in health and has enjoyed his journey immensely.

Welch Bros. have added to their large list of consignors W. J. Dana, of Wellesley Hills. The stock grown at this establishment consists of roses, carnations and string smilax, of which a specialty is made.

The J. A. Budlong & Sons Co. are now cutting an excellent grade of Mme. Chatenay roses, among the most popular on the market. Their output this season is expected to be a record breaker.

At the Tremont street store of the Thos. F. Galvin Co. may be seen an excellent window display of selected orchids, a feast to the eyes of lovers of rarities.

B.

Massachusetts Horticultural Society.

At the chrysanthemum show of the Massachusetts Horticultural Society to be held at Horticultural hall, Boston, November 2-4, special prizes will be offered for the best decorated dinner table, laid for six covers, for the second and third days of the exhibition (Saturday and Sunday); three prizes, first, $75 and a silver gilt medal; second, $50 and a silver medal; third $35 and a bronze medal.

The judges are to be three ladies appointed by the committee on prizes and exhibitions. Tables will be furnished by the society, but all table supplies must be provided by the exhibitors. Entries must be made at least one week previous to the opening of the exhibition.

WEST NEWTON, MASS.—Wm. Folsom has had plans drawn for a greenhouse on Webster street.

DUNKIRK, N. Y.—Jacob Van Akkeren is rebuilding his old greenhouses and making some additions, which when completed, will make the place an up-to-date one and for its size one of the best appointed in the city. The changes will give Mr. Van Akkeren 5,000 feet of glass, with office, boiler room and work room, and he considers the place quite large enough to handle his share of the retail trade.

DAHLIAS

The Best Stock Coming to the Market.

THE LEO NIESSEN CO.

WHOLESALE FLORIST.

Open From 7 A. M. to 8 P. M.

1217 Arch St., PHILADELPHIA, PA.

ROSES

American Beauty, Edgely, Killarney, Bride, Maid, Chatenay, Richmond, Ivory and Golden Gate.

BEST IN PITTSBURG.

PITTSBURG FLORISTS' EXCHANGE, Pittsburg, Pa.

VALLEY

Special Prices Made on Yearly Contracts.

RIBBONS AND FLORISTS' SUPPLIES.

Samuel S. Pennock, THE WHOLESALE FLORIST, PHILADELPHIA.

ASPARAGUS PLUMOSUS NANUS.

Cut Strings, 50 cents each.

W. H. ELLIOTT, Brighton, Mass.

THE

J. M. McCullough's Sons Co.

Wholesale Commission Florists.

CONSIGNMENTS SOLICITED.

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES, SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

Please mention the American Florist when writing.

C. A. KUEHN,

Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

Please mention the American Florist when writing.

ROSES AND CARNATIONS

Pittsburg's Largest and Oldest Wholesalers.

PITTSBURG CUT FLOWER CO., Ltd.

504 Liberty Ave., PITTSBURG, PA.

Please mention the American Florist when writing.

Holton & Hunkel Co.

Wholesale Florists

Milwaukee, Wis.

Please mention the American Florist when writing.

H. G. BERNING,

Wholesale Florist

1402 Pine St., ST. LOUIS, MO.

Please mention the American Florist when writing.

Wholesale Flower Markets

PHILADELPHIA, Sept. 26.

Roses, Tea	3.00@ .400
" " extra	6.00@ 8.00
" Liberty	4.00@15.00
" Queen of Edgely, extra	16.00@25.00
" " " firsts	12.00@15 00
" Beauty, extra	16.00@25.00
" " firsts	12.00@15.00
Carnations	1.00@ 3.00
Lily of the valley	2 00@ 4.00
Asparagus, bunch	25 00@50.00
Smilax	20 00@25.00
Adiantum	.75@ 1.50
Cattleyas	.50@ .60
Gardenias	16 00@25.00
Gladiolus	2.00@ 5.00
Asters	.5(@ 3.00
Dahlias	1.00@ 3.00

BOSTON, Sept. 26.

Roses, Beauty, best	12 00@25.00
" " medium	8.00@12.00
" " culls	1.00@ 4.00
" Bride, Bridesmaid	2.00@ 4.00
" Extra	6.00@ 8.00
" Liberty	6.00@25.00
Carnations	1.00@ 2.00
" Fancy	2.00@ 3.00
Lily of the valley	2.00@ 4.00
Smilax	8.00@12 00
Adiantum	.50@ 1 00
Asparagus	35.00@50.00
Sweet peas	.25@ .75
Pond lilies	2 00@ 4.00

BUFFALO, Sept. 26.

Roses, Beauty	5.00@25.00
" Bride, Bridesmaid, Meteor	3.00@ 8.00
Carnations	.50@ 2.00
Lily of the valley	3.00@ 4.00
Asparagus, strings	40.00@50.00
Smilax	12.00@15.00
Adiantum	.75@ 1.50
Lilies	3.00@15.00
Peas	.15@ .25
Water lilies	3.00@ 5.00
Gladiolus	1.50@ 3 00
Asters	.30@ 1.50

THE ART OF Floral..... Arrangement.

The first special newspaper in the world for floral arrangement.

250 ILLUSTRATIONS ANNUALLY.

Specimen number free.
Subscription, $2.40 yearly.

BINDEKUNST-VERLAG,
J. Olbertz, ERFURT, GERMANY.

Please mention the American Florist when writing

J. B. MURDOCH & CO.

WHOLESALE FLORISTS,

FLORISTS' SUPPLIES.

545 Liberty Ave., PITTSBURG, PA.

Please mention the American Florist when writing.

NOW READY

To fill orders for **American Beauties, Lily of the Valley, Carnations** and all varieties of **Tea Roses** in lots of one hundred to one thousand at short notice Get our prices before ordering elsewhere.

WELCH BROTHERS,

15 Province St., BOSTON, MASS.

Please mention the American Florist when writing.

Field-grown Carnation Plants. GOOD CLEAN STOCK. WRITE FOR PRICES.

ABSOLUTELY THE BEST POSSIBLE SERVICE.

W. E. McKissick

WHOLESALE FLORIST.

Business Hours 7 a.m. to 6 p.m.

1221 Filbert Street, PHILADELPHIA, PA.

Please mention the American Florist when writing

Nephrolepis Whitmani

2¼-inch, $25.00 100,

Boston Ferns 2¼-in. $3.00 per 100.

Henry H. Barrows & Sons, WHITMAN MASS.

Please mention the American Florist when writing.

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants.

Market and 49th Sts, Philadelphia, Pa.

Please mention the American Florist when writing.

New York.

COOL WEATHER HELPS TRADE.

The cool weather starting in at the first of the week has had a beneficial effect on the market. Tuesday saw light shipments all around, and a readjustment of values which gave some tone to the general buying. Roses have improved somewhat in quality, but the general run of arrivals is still poor. In the short grades the quality is particularly poor, small heads with strong stems or large heads with weak stems preponderating, of no use for anything but made-up work. Richmond is particularly noticeable in this respect, and Bridesmaid closely follows. In pink roses Killarney brings prices two points above maximum in the fancy and special grades, but No. 1 and lower are hard to move at any price. Bride roses continue scarce and the quality of most arrivals is very much off. American Beauty sells well, particularly in the smaller grades. Top grades are not very plentiful, although this fact does not seem to enhance their value very much. Carnations are becoming more plentiful, and fairly long stemmed stock is appearing. Arrivals meet a pretty good demand and cleaning up is quite easy. White varieties, however, are rather sparse in supply. Everybody has dahlias in almost countless varieties. The finer sorts seem to bring good prices, and when the coarser cannot be used for specific purposes the ash barrel is well supplied. Lily of the valley sells well and some really fine stock is arriving. Lilies hold their own at quoted prices. Cosmos is taken pretty freely, although prices do not run much higher than five cents a bunch. Asters are nearing the end, and late arrivals are naturally more sought for. Another week will probably see their finish. Chrysanthemums are becoming general arrivals, and sell well, yellow varieties being most in demand. Gladioli are about finished. A few of the very late kinds are still to be had, but are not very attractive.

The Market, September 26. — The market has improved somewhat today on account of light arrivals.

NOTES.

H. J. Hoffmeir last week furnished a handsome wreath for Col. Sir Howard Vincent, which the colonel placed on General Grant's tomb in the name of King Edward. The colonel is commander of the English regiment sending a shooting team here, and which is now being entertained by the Seventh regiment. Mr. Hoffmeir also furnished the decorations for the large banquet given the visitor on Tuesday.

John P. Scherer, the dealer in florists' supplies of Union Hill, N. J., has just purchased 500 acres of land in Mester county, from which he will get his supplies of laurel, hemlock, oak, and maple branches, Christmas trees, and ferns. He has already a crew of pickers on the place, and is showing some splendid stock.

Chas. Millang has leased the store at 45 West Twenty-ninth street, opposite his present location, and will operate it as an annex. In a few days it will be filled with a heavy consignment of box trees, and other evergreens, as well as a variety of plants from local sources.

The private collection of orchids of G. L. Montgomery of Staten Island, who died recently, is to be sold at auction at Elliott's, October 2. Mr. Montgomery was well known as an orchid enthusiast, and his collection is one of the best in the country.

James Hart says that L. Allen, who claimed to have established himself in the wholesale business at 103 W. Twenty-eighth street, Mr. Hart's quarters, was there only by courtesy until he could locate elsewhere.

Chas. Smith, of Woodside, has completed a large new greenhouse on his newly acquired Bound Brook property, and is planting it with carnations.

John Scott, of Flatbush, is planning to build three more greenhouses this fall, and to extend the greenhouses recently acquired from J. H. Kemper.

W. C. Duncan, formerly of Astoria, has taken over the Courtney place at Sparkill, and is operating it.

Alex J. Guttman is receiving some fine American Beauty roses from the Summit greenhouses.

The store of Joseph Leikens, Thirty-third street, near Fifth avenue, has been reopened.

Visitor: John H. O'Reilly, of Thos. F. Galvin's, Boston, Mass.

Washington.

HOT WEATHER RETARDS BUSINESS.

Business continues to improve, though on account of very warm weather it is not what should be expected at this time. There is an improvement in the quality of stock, but that too, has been retarded by weather conditions. Young rose stock is in good condition. Carnations, on the other hand are backward and it is evident that the excessively wet weather of August caused much damage in the fields. Both single and double violets, from local growers, have appeared, and considering the weather, they are very fair. Dahlias are now on the market in abundance and of better quality than last week's offerings. Water lilies are also to be seen in considerable quantities.

NOTES.

C. Ponnet has recently returned from his European trip. He was accompanied by Mrs. Ponnet and most of their time was spent in France and Belgium. They were most favorably impressed with horticultural conditions in both countries. In addition to the thriving commercial features, they were charmed by the fine displays of roses and other flowers, seen in private gardens. Both Mr. and Mrs. Ponnet being natives of France, revisiting the scenes of their youth was not the least of the pleasures of their trip.

The Washington Florists' Co. have completed another large addition to their already extensive range. Both the Richmond and Killarney roses are now being grown on this place. In this connection it may be stated that Richmond is, as has been predicted, displacing Liberty and other red roses. Furthermore, it looks as though Killarney will soon be crowding Bridesmaid.

Grillbortzer Bros., who this year have gone into rose growing, are showing fine stock of Bride, Bridesmaid, Golden Gate, Richmond and Killarney. The last named, in particular, is with them making fine growth. In addition to their large stock of roses they are keeping well up in carnations and chrysanthemums. Their grower, Oscar H. Frommett, evidently understands his business.

Z. D. Blackistone has just received a large consignment of palms, ferns and foliage plants and has opened the season with a palm sale. He was of the number who accepted the hospitality of the R. Vincent, Jr., & Son, of White Marsh, Md., and speaks highly of their dahlias.

During the summer nearly all the retailers have been renovating, painting, etc., and begin the season with their stores in spick and span condition.

Theo. Deidrich is on time with his fine violets. Mr. Deidrich does not attempt to grow everything but all he does grow is good.

The Pierce Bros. have this year established quite a reputation with the fine quality of their dahlias.

S. E.

MERIDEN, CONN.—R. W. Barrow is building a new greenhouse under about 25,000 feet of glass. This will be the largest greenhouse in the city and one of the largest in the state.

VICTORY GUTTMAN & WEBER,
43 West 28th Street,
NEW YORK.

STRONG, FIELD-GROWN PLANTS NOW READY.

1st size $15.00 per 100. 2nd size, $12.00 per 100. 3rd size, $10.00 per 100.

DISCOUNT FOR CASH WITH ORDER.

HORACE E. FROMENT, Wholesale, Commission,
Successor to William Chormley.
Orchids, Roses, Carnations, Valley, Lilies, Etc.
57 West 28th Street, NEW YORK CITY.
Telephones 2200 and 2201 Madison Square.

Trade Directory
—OF THE—
UNITED STATES AND CANADA.
PRICE $2.00, POSTPAID.
American Florist Co., 324 Dearborn St., Chicago

Choice Carnations. Selected Roses.
Traendly & Schenck
NEW YORK CITY,
44 W. 28th Street, Cut Flower Exchange.
New Telephone No. 798 & 799 Madison Sq.
Please mention the American Florist when writing.

CARNATIONS
MY SPECIALTY
Consignments Solicited. Prompt Payments
Established 1891.
Alfred H. Langjahr, 55 W. 28th St., NEW YORK.
Telephone 3924 Madison Square.
Please mention the American Florist when writing.

Original Pioneer House—Established 1871.
JAMES HART
103 W. 28th St., NEW YORK.
Wholesale and Commission
Consignments solicited. Shipping orders promptly attended to. 'Phone 626 Madison.
Please mention the American Florist when writing.

FORD BROS.
Receivers and Shippers of
Fresh Flowers
48 West 28th St. NEW YORK.
Telephone 3870-3871 Madison Sq.
Please mention the American Florist when writing.

N. Y. Cut Flower Exchange
Coogan Bldg., 6th Ave. & W. 26th St., New York.
Open for Cut Flower Sales at 6 o'clock Every Morning.
Desirable Wall Space to Rent for Advertising.
V. S. DORVAL, JR., Secretary.

The Best Way to Collect an Account
is to place it with the
NATIONAL FLORISTS' BOARD OF TRADE,
56 Pine St., New York.
Why? Because many debtors will pay the Board, fearing otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.

Adiantum Farleyense
I can quote splendid stock at from $2.00 per dozen up to $24.00 per dozen, in 2-inch to 6-inch pots. If you are looking for Farleyense, better write me about it.
CHARLES H. TOTTY,
Madison, N. J.
Please mention the American Florist when writing.

Wholesale Flower Markets

NEW YORK, Sept. 26.

Roses, Beauty best	10.00@25.00
" " medium	6.00@10.00
" " culls	1.00@ 4.00
" Liberty, best	3.00@ 7.00
" " culls	1.00@ 2.00
" Bride, Bridesmaid, G. Gate	.50@ 5.00
" Kaiserin, Carnot	1.00@ 6.00
Carnations	1.00@ 1.50
" fancy and novelties	1.50@ 2.00
Lily of the valley	1.00@ 4.00
Lilies	6.00@ 8.00
Smilax	6.00@ 8.00
Adiantum	.50@ 1.00
Asparagus	20.00@50.00

Thomas Young
WHOLESALE FLORIST.
43 West 28th St., NEW YORK.

Alex. J. Guttman
The Wholesale Florist of
NEW YORK.
Phone 1664-1665 Mad. Sq. 43 W. 28th Street.

Moore, Hentz & Nash,
Wholesale Commission Florists,
55 and 57 West 26th Street,
Telephone No. 756 Madison Square. New York.

N. Lecakes & Co.
53 W. 28th St., NEW YORK.
Tel. No. 1214 Madison Square
Stands at Cut Flower Exchange, Coogan Bldg., W. 26th Street & 34th Street Cut Flower Market. SPECIALTIES: Galax Leaves, Ferns and Leucothoe Sprays, Holly, Princess Pine and all kinds of Evergreens.
Green and Bronze Galax Leaves, $1.00 per 1000.

A. J. FELLOURIS,
J. J. Fellouris, Manager.
Wholesale and Retail Dealer in all kines of
EVERGREENS,
Fancy and Dagger Ferns, Bronze and Green Galax.
Telephone, 2675 Madison Square.
52 West 28th Street, NEW YORK.

George Cotsonas & Co.
Wholesale and Retail Dealers in all kinds of
Evergreens.
Fancy and Dagger Ferns, Bronze and Green Galax.
Phone 1202 Mad. Sq.
Main Store, 50 W. 28th St., NEW YORK.

—FLOWERS SHIPPED BY—
JOHN I. RAYNOR
Are the best product of the best growers for the New York Market.
Adiantum Croweanum sold here exclusively.
49 W. 28th St., NEW YORK.
Tel. 1998 Madison Square.
Please mention the American Florist when writing.

Walter F. Sheridan,
WHOLESALE FLORIST,
Telephone 902 Madison Square.
39 West 28th St., NEW YORK.
Please mention the American Florist when writing.

J. Seligman. Joseph J. Levy
John Seligman & Co.
WHOLESALE FLORISTS
66 West 26th Street, NEW YORK.
OPPOSITE N. Y. CUT FLOWER CO.
Everything in Cut Flowers. Consignments from growers solicited. Prompt returns. Best prices. Satisfaction guaranteed. Tel. 4878 Madison.
Please mention the American Florist when writing.

PHIL. F. KESSLER
Wholesale Commission Florist
Telephones { 2921 / 5243 } Madison Square.
55 WEST 26th STREET,
Consignments solicited. Prompt payments. New York.
Please mention the American Florist when writing.

A. M. HENSHAW
Wholesale Commission Florist.
Consignments of first-class stock solicited. Ou of town orders carefully and promptly filled.
Telephone 5583 Madison.
52 W. 28th St., NEW YORK
Please mention the American Florist when writing.

Receivers and Shippers of Cut Flowers.
Consignments Solicited.
A. L. YOUNG & CO. Wholesale Florists . .
54 West 28th Street.
Telephone 3559 Madison Sq. NEW YORK.

THE KERVAN COMPANY,
20 West 27th St., NEW YORK.
Wholesale dealers in fresh cut Palmetto and Cycas Palm leaves, Galax, Leucothoe Ferns, Mosses and all Decorating Evergreens.

J. K. ALLEN.
Wholesale Commission Florist.
106 West 28th St., NEW YORK CITY.
Open every day at 6:00 A.M. Tel. 167 Madison Sq.

ORCHIDS
Largest Importers, Exporters, Growers and Hybridists in the World.
SANDER, St. Albans, England.
NEW YORK OFFICE: T. MELLSTROM
Room 1, 235 Broadway. Agent.
Please mention the American Florist when writing.

CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

William H. Donohoe, No. 2 West 29th St., (One Door Off 5th Ave.) NEW YORK.

PHONES: 3034 and 3035 MADISON SQUARE.

Write, wire or telephone your orders to the above. Personal attention assured.

The best is none too good. Prices always right. Send me your next order.

DETROIT.

JOHN BREITMEYER'S SONS

Cor. MIAMI and GRATIOT AVES.

DETROIT, MICH.

...Artistic Designs...

High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

MILWAUKEE.

C. C. Pollworth Co.

MILWAUKEE, WIS.

Will take proper care of your orders in WISCONSIN.

INDIANAPOLIS.

Bertermann Bros. Co.

FLORISTS

241 Massachusetts Ave., INDIANAPOLIS, IND.

ST. LOUIS.

Fred. C. Weber,

FLORIST,

4320-4328 Olive St., ST. LOUIS, MO.

Established 1873. Bell, Lindell 676.

DENVER.

The Park ...Floral Co.

J. A. VALENTINE, President. DENVER, COLO.

OMAHA.

HESS & SWOBODA,

Florists,

1418 Farnam Street, OMAHA, NEB

'Phone 1501 and L. 1582.

Please mention the American Florist when writing.

DENVER.

FLORAL DESIGNS AND FLOWERS.

Best Quality on Shortest Notice.

DANIELS & FISHER, DENVER, COLO.

Order by mail, telephone, telegraph or cable.

Cable address: "Daniels Denver."

LONDON PARIS BERLIN

A. Lange

Prompt Attention to STEAMSHIP ORDERS.

Main Address 40 East Madison Street, Heyworth Bldg. ...CHICAGO.

Agents in all Leading European Cities.

PROGRESSIVENESS

GUDE BROS. CO. FLORISTS 1214 F ST. N.W. WASHINGTON, D.C.

WASHINGTON, D. C.

Gude's.

CHICAGO.

P. J. HAUSWIRTH

Auditorium Annex,

CHICAGO.

Mail, telegraph or telephone orders filled promptly in best style.

BUFFALO.

Palmer's

Buffalo, N. Y.

W. J. Palmer & Son, 304 Main St.

WASHINGTON.

GEO. H. COOKE,

FLORIST

Connecticut Avenue and L Street

WASHINGTON, D. C.

KANSAS CITY.

Samuel Murray

...FLORIST...

Coates House Conservatory

1017 Broadway, KANSAS CITY, MO.

Both 'Phones 2670 Main.

Write, Telephone or Telegraph. All orders given prompt attention.

KANSAS CITY.

GEO. M. KELLOGG,

926 Grand Avenue,

KANSAS CITY and PLEASANT HILL, MO.

Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

BROOKLYN, N. Y. NEW YORK.

Robert G. Wilson,

BROOKLYN, N. Y., Fulton St. and Greene Ave. NEW YORK, 48 W. 30th St.

Trade orders from all parts of the country filled for delivery at residence, steamer, hotel or theatre, on wholesale basis. Satisfaction guaranteed. Wire or telephone.

ALBANY, N. Y.

EYRES

Flowers or Design Work.

DELIVERED IN ALBANY AND VICINITY ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

ST. PAUL.

HOLM & OLSON,

ST. PAUL.

THE LEADING FLORISTS OF THE NORTHWEST

Orders will be well cared for anywhere in Minnesota and the Dakotas.

GALVESTON.

Mrs. M. A. Hansen,

—FLORIST—

Galveston, Texas.

Special attention given to Telegraph or Telephone Orders. 'Phone 1912.

JACKSONVILLE.

MILLS THE FLORIST,

36 W. Forsyth Street,

JACKSONVILLE, FLA.

WASHINGTON.

Mayberry & Hoover

Florists and Decorators

1339 Fourteenth St., Northwest

Telephone North 508. WASHINGTON, D. C.

New Orleans

CUT FLOWERS

For Tourists and General Trade.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, 838 CANAL ST.

COLUMBUS.

The Livingston Seed Co.

FLORISTS

Cover All Ohio Points. 114 North High St.

MAKE MORE PROFIT

You can do this by buying **all** your stock, both in **CUT FLOWERS** and **FLORISTS' SUPPLIES**, of **THE A. L. RANDALL Co.** Try us.

THE A. L. RANDALL CO., 19 and 21 EAST RANDOLPH ST., Chicago.

The Cleveland Cut Flower Company,

WHOLESALE CUT FLOWERS, FLORISTS' SUPPLIES, WIRE DESIGNS.

215 Huron Road, CLEVELAND, OHIO.

Cut Flowers or Designs

Will be delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

NEW YORK.

Alexander McConnell

IN NEW QUARTERS.

571 Fifth Avenue, Windsor Arcade, NEW YORK CITY

TELEGRAPH orders forwarded to any part of the United States, Canada and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive our prompt attention.

Telephone Calls: 487 and 488 38th Street.
Cable Address: ALEXCONNELL.
WESTERN UNION CODE.

ST. LOUIS.

Theodore Miller

FLORIST,

Long Distance Phone, Bell, Forest 56, Kinloch, Delmar 201. **4832 Delmar Boulevard, ST. LOUIS, MO.**

DAYTON, O.

Matthews,

FLORIST,

16 W. 3rd St., DAYTON, O.

LOUISVILLE.

JACOB SCHULZ, 644 Fourth Ave., LOUISVILLE, KY.

Cut Flowers of BEST QUALITY in season delivered promptly to any address.

Write, Telegraph or Telephone.
Cumberland and Home Phones 223 and 984.

ATLANTA.

ATLANTA FLORAL CO.

41 Peachtree Street, ATLANTA, GEORGIA.

Carnations **For Sale.** Strong, healthy, field-grown plants

	Per 100	1000		Per 100	1000
Lawson	$5.00	$40.00	Harlowarden	4.00	35.00
Enchantress	5.00	40.00	Crusader	4.00	35.00
Boston M'ket	4.00	30.00	Guar. Angel	3.00	25.00

Sprengeri, out of 2½-in., fine stock, $4.00 per 100.

SCHEIDEN & SCHOOS,
Asbury and Warren Aves., **Evanston, Ill.**

ROOM....

We are crowded for room and must dispose of a lot of

BOSTON FERNS AT A SACRIFICE.

We have a large stock of **Boston, Piersoni, Elegantissima** and **Scottii.** Write for special prices which are too low to appear here.

W. W. COLES, Kokomo, Ind.

20,000 FIELD CARNATIONS.

Bushy, large plants, grown on new ground.

Boston Market, White Cloud, Norway, Flora Hill, Joost and Genivieve Lord, $5.00 per 100; $45.00 per 1000. Splendid, healthy stock; exceptional value.

CLEARANCE SALE OF ROSES.

Bride, Maid, Richmond, Chatenay, strong, clean, 3-inch, $4.00 per 100; $35.00 per 1000. 2¼x3 inch, Bride and Maid only, $2.00 per 100. Strong, 3-inch **SMILAX,** 3 times cut back, good for early strings, $3.00 per 100. 2¼-inch, $2.00. **PLUMOSUS,** 2-inch, $3.00; 5-inch $25.00.

W. H. GULLETT & SONS, Lincoln, Ill.

Cyclamen. Primulas.

Cyclamen Giganteum Splendens, in five colors, also including Rokoko, Low's Pioneers, Butterfly, fringed, lilac, salmon, all that is best, 3-inch, ready for 5-inch, per 100, $6.00; 4-inch ready for 6-inch, per 100, $10.00.

Primula Obconica Grandiflora, Fimbriata, rose, carmine, new giants, all the best, 2½-inch per 100, $3 50; 4-inch per 100, $6.00. All ready for a shift.

Chinese, Vaughan's, International, new giant two best English strains, 3-inch per 100, $5.00; 4-inch, $10.00 per 100, all ready for a shift.

J. SYLVESTER, Florist,
OCONTO, WIS.

A Few Good Things You Want.

Cash with Order.

Dracaena Indivisa, 4 and 5-inch, $10.00 and $25.00 per 100.
Asparagus Plumosus, 2-in., $3.00 per 100.
Asparagus Sprengeri, 2-inch, $2.50 per 100.
Geraniums, S. A. Nutt, Castellane, John Doyle, Perkins, Poitevine and Double Gen. Grant, La Favorite Mme Saleroi, 2-in. pots, $2.00; 3-in. pots, $4.00 per 100. Rooted cuttings, $1.00 per 100
Rex Begonia, nice plants, 2 and 2½-inch, $5.00 per 100.
Boston Ferns, 5-inch, 30c each.
Pierson Ferns, 5-inch, 50c each.

GEO. M EMMANS, NEWTON, N. J.

PRIMROSES.

Obconica Alba and Rosea, $2.00 per 100; $18.00 per 1000.

ASPARAGUS. Per 100

Plumosus Nanus, 2¼-in. pots, $18.00 per 1000, $2.00
VINCA VAR., from field..... 5.00
CANNAS, 5 varieties, field-grown clumps....15 00
PANSY PLANTS, large flowering, $3.00 per 1000; .50

CASH

JOS. H. CUNNINGHAM, Delaware, O.

Orchids!

ARRIVED IN SUPERB CONDITION.

Cattleya Dowiana, C. gigas, C. Mossiæ, C. Percivaliana, C. Speciosissima, C. Eldorado, C. superba, C. labiata, C. Leopoldii, and many more. Write for prices.

Lager & Hurrell, SUMMIT, N. J.
Orchid Growers and Importers.

CARNATIONS.

275 Gov. Wolcott, $5.00 per 100; 150 Harlowarden, $5.00 per 100; 225 Prosperity, $5.00 per 100; 650 plants in all, $25.00 for the lot.

2200 Norway, $3.50 per 100; $30.00 per 1000; $55.00 for the lot.

These are all large, No. 1 size, except the Harlowarden, which runs somewhat smaller; all are perfectly healthy and guaranteed to please the most fastidious grower. Will take for both lots as enumerated above, $75.00 in cash or C. O. D.

FERNS Boston from bench, ready for 4 and 5-inch pots, $10.00 and $15.00 per 100 respectively.

ASPARAGUS.

Heavy, 2½-inch, plants, ready for a shift, Sprengeri, extra fine.. 3.00 per 100; 25.00 per 1000
" field-grown clumps, $6.00 per 100.

JERUSALEM CHERRIES, 3½-inch now in bloom $4.00 per 100 These plants are ready for 5-inch
1600 **CALIFORNIA VIOLETS,** fine big clumps, $5.00 per 100.

J. W. DUNFORD, Clayton, Mo.

Please mention the American Florist when writing.

CARNATIONS.

Mrs. Lawson, Avondale, Glacier Ethel Crocker, Eclipse, Phyllis, etc., healthy, bushy stock, $6.00 per 100; per 1000. $55.00

Enchantress, extra strong, $7.00 per 100; $60.00 per 1000.

Rose Pink Enchantress, large, $15.00 per 100.

Send for Fall List.

NATHAN SMITH & SON
ADRIAN, MICH.

Please mention the American Florist when writing

O. K. ORCHIDS

A large shipment of

Cattleya Gigas

just arrived in splendid condition. All plants especially collected by myself.

WRITE FOR PRICES.

JOHN DE BUCK
P. O. Box, 78
COLLEGE POINT, L. I., N. Y.

The Seed Trade.

American Seed Trade Association.
H. W. Wood, Richmond, Va., Pres.; C. S. Burge, Toledo, O., First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas. Twenty-fifth annual convention at New York, 1907

BEAN prices are expected to make a new low record price this fall.

SEED CORN, both sweet and field, seems to be maturing under almost ideal conditions.

J. E. NORTHRUP is slowly mending from his recent surgical operation. He should be out of the hospital in a couple of weeks.

ONION SETS at Chicago are now quoted at from $1 to $1.10 for reds and yellows at first hands in car lots; whites scarce; market scarcely fixed.

MRS. E. V. HALLOCH, of Queens, N. Y., who has been visiting friends in Chicago and vicinity since the Dayton convention, returned to the east September 24.

IN the list of committees of the American Seed Trade Association, printed in last week's issue, the names of Carl Cropp and W. Atlee Burpee should be added to the committee on seed adulteration.

ALFRED EMERICH, representing Vilmorin-Andrieux & Co., Paris, France, arrived in New York early last week on his usual business trip through the United States and Canada. His New York address will be care of H. Frank Darrow, 26 Barclay street.

Tulip Prices.

Reports from Holland show that there has been an extraordinay rise in prices since the commencement of the season. We therefore strongly advise caution in making quotations, as it is now impossible to procure stock of the leading sorts at ordinary figures, so that all quotations should be marked, "as far as unsold," or subject to fluctuation of the market. We hope that this rise may be taken as a sign that commercial horticulture is about to partake of the improvement in trade which is making itself felt in other industries.—Horticultural Advertiser, published in England.

Erfurt Seed Crops.

Although reports have been coming from all sides about great heat and drought, says a correspondent of the Horticultural Trade Journal, September 12, 1906, we have had moist and cool weather all the time, so that the ground lost earlier in the season has not been made up.

5,400 ACRES OF GARDEN SEEDS IN CULTIVATION.

Braslan Seed Growers Co.

WHOLESALE SEED GROWERS.

SAN JOSE, CALIFORNIA.

Peas, especially wrinkled ones, will want a good deal of picking, and some disease has appeared among the lettuces. Mangels are also unsatisfactory, but onions, leeks, cabbages, swedes, etc., are good, and carrots very good. Beans are much behind, but look all right up to date.

As regards flower seeds, the situation has not altered much relatively. Our hopes for a warm August were not fulfilled, and so the later flowering annuals have to be marked with a note of interrogation. It is too late for sweet peas to recover, for if they fail to set at the right time they won't do it afterwards. Asters are thin in places, but a warm autumn will help the crop considerably. We have now had a few sunny days so that our hopes rise with the thermometer.

Among Boston Seedsmen.

One of the most important happenings of the week concerning the trade was the opening of the H. E. Fiske Seed Company's store, which occurred September 19, 1906. The company occupies 12 and 13 Faneuil hall square, directly opposite Faneuil hall and formerly occupied for many years by the W. W. Rawson Co. The location is one of the best in the city, being situated in the heart of the business section and controlling an extensive trade. The building has been entirely remodeled, all the latest improvements being installed throughout. The light and air are especially good. The offices are located on the balcony of the ground floor and command an excellent view of the entire floor space. The fixtures are modern and up-to-date and were made and installed under the personal supervision of Mr. Fiske. They represent much time and thought on his part. Heller's mice-proof seed cases are used throughout, also patent double swivel seed and bulb bins. The seed boxes, containing packages of seeds for the retail trade, are the most practical and simple in the city. The show windows are also worthy of mention, presenting a beautiful sight when the electric lights are turned on in the evening. On the opening day the store resembled an extensive flower garden, several large floral gifts being sent to Mr. Fiske, showing his popularity in the trade as well as with the public. Although this firm is entirely new, Mr. Fiske has been connected with the trade since boyhood. He spent 17 years with W. W. Rawson & Co., acting in the capacity of manager for 12 years. The bulb catalogue of the firm is now ready for delivery and is quite attractive.

O. H. Dodds, of the Thos. Emerson Co. is making his annual trip through the provinces, booking all early spring orders. Stephen W. Smith of the same firm is spending a two weeks' vacation in Maine and writes us he is "making good" in the line of hunting and fishing.

The R. & J. Farquhar Co. showed some fine L. Philippensis lilies in their store the past week.

The Schlegel Fottler Co. have a very fine dahlia exhibition in their show window.

The fall trade shows a tendency to be backward, yet many of the houses report an increase in early orders over former years.

Owing to the continual dry weather the fall trade in grass seeds has fallen off considerably.

The employes of the Schlegel Fottler Co. have arranged to play a ball game with the employes of Joseph Breck & Sons to take place September 29 for the championship of the trade league, the honors now being in the possession of the former. The outcome of the game is looked forward to with great interest, as considerable rivalry exists between the two teams. F.

The New English Corruption Act.

The following, from the Horticultural Advertiser of September 12, is interesting reading for seedsmen doing a private garden trade:

One or two correspondents have been asking what will be the position of nurserymen and seedsmen under the new act for "the better prevention of corruption," which is now practically passed, and will probably come into force next January.

The principal clause with which we are concerned runs as follows:

"If any person corruptly gives or agrees to give or offers any gift or consideration to any agent as an inducement or reward for doing or forbearing to do, or for having after the passing of this act done or forborne, to do, any act in relation to his principal's affairs or business, or for showing or forbearing to show favor or disfavor to any person in relation to his principal's affairs or business; or"

* * * * * * *

The penalties are imprisonment with or without hard labor up to two years, or a fine up to £500.

It will be observed that the stringency of the bill, as first drafted by the late Chief Justice Fry, has been left unmodified as regards the penalties, but on the other hand the whole character and effect of the act has been radically changed by the insertion of the one word "corruptly." Under the act, as first drafted, any nurseryman or seedsman giving to a gardener or bailiff even the most trifling tip or present, would have been liable to all the pains and penalties enumerated in it. The situation is, however, entirely altered by the inclusion of this one important word, which will render it incumbent upon the prosecution to show not only that the gift or consideration was offered or taken, but also that it was given "corruptly." This, we take it, would involve the proving that the gift was given with the object of inducing the receiver to do something prejudicial to his employer's interests.

In our opinion this new law will not affect the majority of the trade in any way, but will practically leave things pretty much where they are. The ordinary gardener's discount given by almost every firm in the country, and sanctioned by nearly a century of usage, is not a bribe in any sense of the term, and we do not think any judge or jury would so regard it. It is merely an annual present intended to promote a pleasant feeling between the parties, and to induce the gardener to make the very best he possibly can of the goods supplied, in order to promote the reputation and consequently increase the business of the seller.

This opinion does not, however, cover the whole ground, as it is notorious that certain firms, which are a standing discredit to our trade, entirely disregard the general custom of the trade, and practically buy their business; the discount given being simply a question of how much it takes to induce a gardener to leave his old source of supply and trade with them.

Now, it is a well known fact that the margin of profit in almost all sections of our business is a very small

one, and that the discount usually given is fully as much as can be honestly afforded; and, to put it plainly, when larger sums are given it can only be by charging higher prices, and consequently robbing the employer to bribe his servant. This may sound somewhat brutally frank, but it is a plain statement of fact, which cannot be controverted.

We have not yet had the advantage of a reliable legal opinion upon the proposed act, but there is very little doubt in our own mind the "10 to 25 percenters" will shortly find themselves in a very precarious position, and that the first case of this kind which comes into court will be held to be "corrupt" within the meaning and intention of the act, and heavy fine or imprisonment follow. Our sympathy will certainly not be with the offenders, and we should be only too pleased to see a few of these gentry with their hair cropped at his majesty's expense, and a check thus put to a growing evil which threatens to make it difficult for an honest firm to do business in many quarters.

MICE PROOF SEED CASES.

SEND FOR BOOKLET.

HELLER & CO., Montpelier, O.

PANSIES.

International, fine strain: **English Prize, Parisian,** finely variegated and shaded: also **Giant Trimardeau,** all colors and striped: also **Odier,** beautifully spotted.

$3.00 per 1000; **50c** per 100, by mail.

F. A. BALLER, Bloomington, Ill.

BURPEE'S SEEDS PHILADELPHIA.

Wholesale Price List for Florists and Market Gardeners.

Please mention the American Florist when writing.

NOW ARRIVING

DUTCH BULBS

HYACINTHS, TULIPS, NARCISSUS.

Write for copy Fall Florist List. Just issued.

VAUGHAN'S SEED STORE,

CHICAGO. NEW YORK.

J. STAER, Nurseryman and Seedsman,

WAHROONGA, New South Wales. AUSTRALIA.

Collector of Australian and Island Seeds and Plants. Palms, Ferns, Platyceriums, Orchids, Eucalyptus, ornamental trees and shrubs.

PALM SEEDS.

	Per 1000		Per 1000
Kentia Forsteriana	$1.25	Livistona Australis	.50
" Belmoreana	1.25	Bacularia Monostachya	1.50
" Canterburyana	3.00	Calamus Muelleri	1.50
" Moorei	12.00	Gymnostachys Anceps	2.00
Areca Baueri	1.00		
Seaforthia Elegans.	.50		

TREE SEEDS.

Castanospermum Australe.....$5.00 per 1000
Araucaria Excelsa ..... 1.25 per 1000

NOW READY.

EASTER LILIES

Should be potted at once, as Easter is early in the year.

Japan stocks are now arriving, and are in first-class shape.

Japan Longiflorum, 7 to 9 in. bulbs, case of 300 bulbs	$14.25
" " 9 to 10 in. bulbs, case of 200 bulbs	15.00
" " **Multiflorum,** 7 to 9 in. bulbs, case of 300 bulbs	15.00
" " " 9 to 10 in. bulbs, case of 200 bulbs	17.00
" " **Giganteum,** 7 to 9 in. bulbs, case of 300 bulbs	18.75
" " " 9 to 10 in. bulbs, case of 200 bulbs	21.00
Lilium Candidum, selected bulbs	$5.00 per 100

A FEW OF THE LEADING NARCISSI.

	Per 1000
Paper White Grandiflora, 13-15 cm., fine bulbs, case of 1250 bulbs	$11.25
Double Von Sion, first size	$ 9.00
" " " extra size	12.00
" " " mammoth double-nosed, or top-root	20.00
Princeps, early, single, fine bulbs	7.00
Golden Spur, the favorite single yellow	$18.00
Empress, a grand bi-color	20 00
Alba Plena Odorata	6.00
Barri Conspicuus	8 00
Poeticus	4.50
Poeticus Ornatus	7.00

	Per 1000
WHITE ROMAN HYACINTHS, 12-15 cm.	$23.00
" " 13-15 cm.	28.00
FREESIA REFRACTA ALBA, finest Bermuda bulbs	7.50
BERMUDA BUTTERCUP OXALIS	$7.50
SPANISH IRIS, four best sorts	5.00
" " mixed	2.50

For other bulbs and for smaller quantities, see our Wholesale Price List, in which will be found a full assortment of all kinds of bulbs for winter and spring flowering. Send for list if you have not already received one.

F. R. PIERSON CO., Tarrytown-on-Hudson, N.Y.

Stokes Standard Seeds.

Are Money Makers.

Stokes Seed Store.

219 Market Street, PHILADELPHIA.

SEND FOR CATALOGUE.

...ANNOUNCEMENT...

HJALMAR HARTMANN, of the firm of

Hjalmar Hartmann & Co., Copenhagen, Denmark,

Wholesale Growers and Specialists in Danish

CAULIFLOWER AND CABBAGE SEED,

begs to inform the seed trade that he is now on his annual visit to the States, and invites correspondence. Address **31 BARCLAY ST., NEW YORK.**

Please mention the American Florist when writing.

PACIFIC SEED GROWERS' CO.

109 MARKET STREET

SAN FRANCISCO, CAL.

Specialties:

Onion, Carrot, Lettuce, Sweet Peas

Please mention the American Florist when writing.

ARAUCARIA IMBRICATA FRESH SEEDS

Just received from Araucania, direct importation. Splendid conditions. Complete success. **The Most Attractive Hardy Tree.** Very convenient for avenues, alleys, parks, pleasure grounds, colonies, etc. Price, packing free, $10.00 per 1000. **Funtumia elastica** (silk rubber) rare seeds, known as a rapid grower of superior quality, $5.00 per 1000.

JULES VAN MOL, BRUSSELS, BELGIUM. Rue Goffart 27.

CALIFORNIA GROWN BULBS.

All Varieties. Unsurpassed. Catalogue Free.

THE LEEDHAM BULB CO.

SANTA CRUZ. CAL.

Please mention the American Florist when writing.

The Nursery Trade

American Association of Nurserymen.
Orlando Harrison, Berlin, Md., President; J. W Hill, Des Moines, Ia., Vice-President; George C. Seager, Rochester N. Y., Sec'y.
Thirty-second annual convention, Detroit, Mich., June, 1907.

THE executive committee of the American Civic Association has decided upon October 24-26 as the dates on which will be held the annual convention which is to meet in Milwaukee, Wis., this year.

OGDEN, UTAH.—After the union depot grounds have heen graded, landscape gardeners and engineers will be employed to lay out the walks, flower beds and plant shrubbery. The lawn will be seeded this fall.

ROCHESTER, N. Y.—Ellwanger & Barry were awarded 72 first prizes for their fruit exhibit at the New York state fair held in Syracuse. They also received 50 other prizes, making a grand total of 122 for the season of 1906.

American Pomological Society.

The Kansas City meeting of this great national society was one of the most notable of its history. It was held in the heart of the rapidly-developing middle west, and was attended by a representative gathering of noted pomologists from all parts of the country. It follows that an interesting and valuable report is the result. This report was distributed to all members in good standing by Secretary John Craig, of Ithaca, N. Y., early in September. It is available to all who become members of the organization. It is made up of three principal divisions. First, a record of the papers presented and discussions which followed during the three days' sessions. Second, a valuable chapter giving the horticultural history of six of the states of the southwest—absolutely new historical data. Third, the reports of the standing committees of the society, including one on inspection of apples; one on score-card judging; and the exceedingly comprehensive report of the general fruit committee which authoritatively depicts the condition of the fruit industry in all its phases in every state in the union as well as the newer dependencies and the provinces of Canada. Membership in this national society is open to amateur and professional fruit growers alike. The president is L. A. Goodman, Kansas City, Mo.; treasurer, L. R. Taft, Agricultural College, Mich.; secretary, John Craig, Ithaca, N. Y.

York, Neb.

The Harrison Nursery Co. has recently enlarged its plant by purchasing over 100 acres of land. This firm reports a large business in spite of a remarkably hot and dry summer.

C. S. Harrison's Select Nursery is meeting with a heavy demand for peories and perennials. Mr. Harrison has made arrangements with Frank Brown, of Paynesville, Minn., for a branch nursery to supply the demand arising in that state. Mr. Brown has planted several thousand peonies besides ornamental shrubs and evergreens. The Norway poplar is reported as doing well at the Select Nursery, spring cuttings having made remarkable growth in spite of the light rainfall of the season.

The Niobe weeping willow, an introduction of Prof. Hansen, is being grown at the experiment station here. It is the pendulous form of the Russian golden willow. It is very hardy and will make a fine lining for streams and ponds. C. S. H.

Kansas City.

Frank Oliver, a fruit grower near Moscow, Mo., died of heart disease September 16.

Great quantities of peaches in the vicinity of Kansas City have decayed on the ground. The owners say that on account of the very low market price it does not pay to pick them.

At the recent meeting of the Ozark Fruit Growers' Association, arrangements were made to ship a train-load of Ben Davis apples to Scotland. According to plans the shipment is scheduled to leave New York for Glasgow September 28. The cars are to be loaded in Arkansas and southern Missouri towns by individual growers. The chief object is to test the export market with the old Ben Davis. K. C.

MEMPHIS, TENN.—Mrs. Lizzie Gibson has filed suit for $5,000 damages against the Memphis Floral Co. and Clarence P. Hune. She claims that while in the company's place of business a water pipe fell from the ceiling and struck her husband on the head, causing injuries from which he died a short time later.

10,000 Assorted Hollyhocks
Strong plants from seedlings, $1.00 per 100; $8.00 per 1000. Cash.
GEO. ENGEL, FLORIST.
XENIA, OHIO.

—NOW IS THE TIME TO PLANT—
Herbaceous Perennials
We have a very large stock of **Phlox, Iris, Pinks, etc.**
Send for Price List.
VICK & HILL CO., P. O. box 613, ROCHESTER, N. Y.

LARGE TREES.
OAKS and MAPLES.
PINES and HEMLOCKS.
ANDORRA NURSERIES,
Wm. Warner Harper, Prop.
Chestnut Hill, PHILA, PA

TREES AND SHRUBS.
We make especially low prices on **Nursery Stock** to Parks, Cemeteries, etc. Wholesale price-list on application. We carry immense quantities of the finest named varieties of
PEONIES.
PETERSON NURSERY 503 W. Peterson Ave. CHICAGO, ILL.

Carolina Poplar
For sale by the car-load.
PEACH TREES cheap by the car-load.
1-year **APPLE TREES** in good assortment.
Write for prices.
GILES COUNTY NURSERY CO., Pulaski, Tenn.

Send to THE MOON Company
For Your { Trees, Shrubs, Vines and Small Fruits.
Descriptive Illustrated Catalogue Free
THE WM. H. MOON CO., Morrisville, Pa.

PEONIES.
Queen Victoria (Whitleyii), per 100....$ 9.00
Festiva Maxima, per 100..... 30.00
Fragrans, "Late Rose".....per 100, 6.00
Large stock of M. L. Rhubarb and Lucretia Dewberry Plants.
For 1000 rates and other varieties, write
GILBERT H. WILD, Sarcoxie, Mo.

BABIES. PINK and CRIMSON
Annie Muller, the new pink Baby Rambler Rose, illustrated on page 348 of the Exchange; imported, field-grown plants for delivery this fall; $10.00 per doz.
Bnby Ramblers, Crimson, home-grown, from the field, $2.50 per doz.; $20.00 per 100.
Heavy, imported stock, $2.25 per doz.; $17.50 per 100.
Imported in standard form with stems 2½ feet high, $10.00 per doz.
Lady Gay, heavy, imported stock, $6.00 per doz.
PERRENIAL GARDENS CO., TOLEDO OHIO.

HERBACEOUS PERENNIALS for Autumn Planting. We offer **nine hundred and sixty-seven varieties** of strong, field-grown plants.
Send for Catalog and Trade List.
BAY STATE NURSERIES, North Abington, Mass.

Climbing Clothilde Soupert, Marie Pavic, Crimson Rambler and Dorothy Perkins **ROSES**
Grafted Oranges and Kin Kans. Palms, Biota Aurea Nana, Conifers and other stock for Florists and Nurserymen,
IN IMMENSE QUANTITIES.
400 acres in Nurseries. 60,000 feet of glass. Catalog on application.
P. J. BERCKMANS CO. (Inc.) Fruitland Nurseries
Established 1856. AUGUSTA, GA.

Special Prices on SURPLUS NURSERY STOCK

	10	100
Betula populifolia (White Birch), heavily branched to the ground, 8 to 10	$5.00	$45.00
Betula populifolia, 10 to 12	7.00	65.00
Populus fastigiata (Lombardy Poplar), branched from the ground, each tree a specimen, 16 to 18	12.50	110.00
Platanus occidentalis (Sycamore), every tree perfectly branched to produce immediate effect, 12 to 14	15.00	100.00
Euonymus Americanus (Burning Bush), 4 to 5	2.00	16.00
Ligustrum ovalifolium (California Privet). All our Privet is transplanted and grown far enough apart to make choice bushy plants, 3 to 4	.50	4.50
Ligustrum ovalifolium, 4 to 5	.65	6.00
Ligustrum ovalifolium, 5 to 6	.80	7.50
Ligustrum ovalifolium, 7 to 8	1.20	10.00
Aster Novae Angliae, field-grown, 2-yr. old	.40	3.00
Rudbeckia laciniata (Golden Glow), 2-yr. old	.40	3.00
Dianthus barbatus (Sweet William), 2-yr. old	.50	3 50
Dianthus Chinensis grandiflora. 2-yr. yr. old	.50	4.00
Calliopsis lanceolata, 2-yr. old	.40	3.00
Phlox, white, red and pink, separate, 2-yr. old	.50	4.00
Phlox, mixed seedlings, choice colors, 2-yr. old	.40	3 00

Valley Farms Nursery Co., Brookfield Center, Conn.

Please mention the American Florist when writing

D. and C. Roses Are the cheapest because they are the best. We have in stock over 1,000 varieties on own roots including all the New European and American varieties of merit, as well as all the old varieties. All sizes from 2½-inch pots up. We can also offer 40 of the leading and newest varieties of Cannas including Mont Blanc, also miscellaneous lists of Plants and Shrubbery, at prices that will make it worth your while to send us your lists for quotations before buying elsewhere. Send for a copy of Our New Guide to Rose Culture, for 1906, a handsome book of 116 pages. Free for the asking.

The DINGEE & CONARD CO., West Grove, Pa.
Established 1850. 70 Greenhouses.

Please mention the American Florist when writing.

Special offer of PEONIES

For September

Florists' assortment of six choice proved kinds, **named,** including Queen Victoria and Delicatissima, all colors from white to crimson, for $8.00 per 100, $75.00 per 1000. Packed free.
Write for catalogue.

F. A. BALLER, Bloomington, Ill.

Jacs Smits, Ltd. NAARDEN, (Holland.

GROWERS OF
Rhododendrons, Axaleas, pot grown Shrubs for forcing, Lily of the Valley, Spiræa, Paeonias, Roses, Climbing Plants, good varieties of Conifers and all ornamental stock.

Personal Inspection Cordially Invited.
R. R. Depot, NAARDEN-BUSSUM near Amsterdam.
Price list free on demand.

Please mention the American Florist when writing

5000 FIELD-GROWN ROSES

Strong, first-class plants, H. P. varieties and Crimson and White Rambler and Dorothy Perkins.
Also **PEACH TREES.** Best sorts for commercial planting and all budded from my own and other bearing orchards.
Prices on application.

A. D. PRATT, Pittsford, N. Y.

ROSES, 2½-Inch STRONG PLANTS.

Crimson Rambler and other varieties.
$2.00 per 100; $15.00 per 1000.

C. M. NIUFFER, SPRINGFIELD, OHIO.

Please mention the American Florist when writing

NOW READY **FALL LIST** 101 SORTS

Don't buy **ROSES** without submitting your approximate want list to

THE LEEDLE FLORAL COMPANY SPRINGFIELD-OHIO.

FALL SPECIALTIES.

PEONY, Dorchester, (Richardson). Latest and best paying, clear pink Peony. $25.00 per 100 for strong, 3 to 5 eye divisions.

PEONY, Queen Victoria. One of the largest blocks of this popular white to be found. $12.00 per 100; $100.00 per 1000, for strong, 3 to 5 eye divisions.

FORCING GRADE OF FIELD-GROWN ROSES. Home-grown, low-budded plants, selected for pot culture: Magna Charta, Crimson Rambler, Paul Neyron, Dorothy Perkins, etc., $12.00 per 100; $100.00 per 1000.

HYDRANGEA, Hortensia and Otaksa. Bushy young plants with several flower shoots; good for 6 to 7-inch pots: $12.00 per 100. Extra heavy specimens for 10 to 12-inch pots or tubs, $60.00 per 100.

DRACAENA INDIVISA. Field-grown, 5-inch, $15.00 per 100; 6-inch, $25.00 per 100.

CHRISTMAS PEPPER. Set with young fruits, 4-inch pots, bushy; $12.00 per 100.

PRIMULA, Chinensis. Strong, 2½-inch, $3.00 per 100.

PRIMULA, Obconica Grandiflora. 2½ inch, $2.50 per 100.

Send for Catalogue No. 5 for full list of Bulbs, Seeds, Palms, Ferns, Araucarias, etc.

THE STORRS & HARRISON CO.
PAINESVILLE, - OHIO.

Please mention the American Florist when writing.

PEONIES

FOR EARLY FALL PLANTING.
Choice selection of named sorts. Young plants of three to five eyes. Apply for rates per thousand.

Beresford. Delicate rose. Creamy petaloids. Tipped carmine. Large. Doz., $2.50; hund., $15.00.

Delicatissima. Blush rose with circle of buff under guard petals. Very large and full to center. Strong, robust habit. Doz., $4.50.

Eclatante. Cherry rose to center. Full, strong bloom. Early. Doz., $2.00; hund., $12.00.

Festiva Alba. Pure waxy white flaked with carmine at center. Large, full flower. Doz., $3.50; hund., $25.00.

Festiva Maxima. Snow white, flaked carmine at center. A grand, large bloom and very strong grower. Per doz., $5.00; per 100, $35.00.

Floral Treasure. Clear, brilliant pink. Very double; perfect form. Doz., $4.50; hund., $30.00.

Globosa. Incurved form. Brilliant rose with salmon center. Doz., $1.50; hund., $10.00.

Golden Harvest. Nearest approach to a yellow. Blush guard petals. Doz. $4.50; hund., $30.00.

Grandiflora Rubra. Extra large, perfect balls of blood red. Late. Doz., $4.00; hund., $20.00.

Humei. Clear solid pink. Late. Doz., $1.50; hund., $10.00.

La Tulipe. Blush white. Outer petals flaked red. Distinct and fine. Doz., $5.00; hund., $35.00.

Marie Le Moine. Delicate flesh, fading to white. Very full; perfect form. Doz. $4.00; hund., $25.00.

Ne Plus Ultra. Solid shade of brilliant rose. A grand full petaled flower. Doz., $2.00; hund., $12.00.

Officinalis Rubra Plena. Deep crimson. Very early. Doz., $1.50; hund., $8.00; thous. $75.00.

Queen Victoria. Guard petals blush white. Flesh tinted center. A grand full flower. Very full and strong. Doz., $2 50; hund., $15.00.

Rosamond. Bright clear pink, tipped pale rose. Very large. Doz., $2.50; hund., $15.00.

Rubra Triumphans. Brilliant deep crimson. Fine contrasting color. Doz., $2.00; hund., $12.00.

Somerset. Pale rose with carmine tint and circle of buff. Very large. Doz., $3.00; hund., $20.00.

Washington. Solid shade of delicate pink. Full bloom. Early. Doz. $2.50; hund., $15.00

Mixed Pink Varieties. Hund., $8.00; thous., $75.00.

PHONE 312 **JAMES KING NURSERY, Elmhurst, Ill.**

HIBISCUS SYRIACUS MEEHANII

WE now offer to the trade our new hardy variegated leaf Hibiscus Syriacus Meehanii. This plant attracted much attention when exhibited at the American Nurserymen's Convention at West Baden, Ind., and American Florists' Exhibition at Asheville, N. C. Foliage beautifully variegated; never sun-scalds or reverts to the green; flowers single, very large, satiny lavender; blooms during four months; prices on application. Orders booked now.

P. J. BERCKMANS CO., Inc., Fruitland Nurseries AUGUSTA, GA.

Please mention the American Florist when writing.

PAEONIAS For September Delivery.

We are booking orders **NOW** from a large and well-assorted stock, carefully selected from hundreds of varieties tested. All have bloomed with us, and we guarantee them true to name. Send for special list, with prices.

—We are headquarters also for—

ROSES, CLEMATIS, AMPELOPSIS and HYDRANGEAS.

Use printed stationery. We sell at wholesale only.

JACKSON & PERKINS CO., Newark, Wayne County, New York

For Best Results Advertisers should mail new advertisement and changes so as to reach us on Mondays.

BERTHA RATH

CARNATION.

FERNS, PALMS,

ARAUCARIA EXCEL.,

ASPIDISTRA,

Green and Variegated.

BAY TREES and PRIVET,

Fine, Strong Stock.

R. DREYER, WOODSIDE, L. I., N. Y.

Please mention the American Florist when writing

MABELLE, New Pink Carnation for 1907.

Color—A peculiar shade of lovely pink, with a faint yellowish cast; several shades lighter than the Lawson Unlike most pinks, the brightest sun does not injure the color. Size—3 to 4 inches in diameter when established. Odor—Pleasing, but not strong. Stems—Invariably strong, but always graceful, ranging from 12 to 30 inches during the season. Habit, etc.—A very quick, active grower, making specimen plants in a short time, even from late cuttings. On account of its rapid growth, requires supporting very soon after benching. Gets away rapidly, blooms early and gives long stems right from the start. Productiveness—Prodigious is the best word we know of to use here. It is the most incessant bloomer, early and late, we have ever grown. Stock limited. Delivery January 5 to 10 and later. Price, $12.00 per 100, $100.00 per 1000.

THE H. WEBER & SONS CO., Oakland, Md.

BUY

Crotons, Dracaenas, Camellias, Ardisias, Farleyense,

FROM

Julius Roehrs Co., Exotic Nurseries, RUTHERFORD, N. J.

Carnations.

	Per 100	Per 1000
5,000 Enchantress	$5.00	$45.00
5,000 Mrs. Thos. W. Lawson	4.50	35.00

ELI CROSS, Grand Rapids, Mich.

Carnations We make it a business to grow and sell carnation plants. No surplus stock. All A1 plants.

	Per 100	1000		Per 100	1000
Morn. Glory	$4.00	$35.00	Flamingo	$5 00	$45.00
Glacier	4.00	35.00	Crane	4.50	40.00

Cash with order, please.

Blanksma Bros., R. F. D. No. 11. GRAND RAPIDS, MICH

Highland Grown Carnation Plants.

	Per 100	1000		Per 100	1000
Lawson	$4.50	$45.00	Peru	$4 00	$35.00
Flora Hill	4.50	40.00	Glacier	4.00	35 00
Boston M'ket	5.00	45.00	Enchantress	5.00	45.00
Crusader	5.00		Bountiful	6 00	
M. Glory	4.50	40.00	Har owarden	4.00	35.00
Prosperity	4.00		Roosevelt	4 00	35.00
G. Angel	4.00	35.00			

CRABB & HUNTER, Grand Rapids, Mich.

LARGEST STOCK OF ALL

Belgian Plants.

AZALEAS, ARAUCARIAS, SWEET BAYS, PALMS, BEGONIAS, GLOXINIAS, ETC.

Louis Van Houtte Pere,

GHENT, HELGIUM.

ROSES.....ROSES

We still have a few Roses ready to plant in beds. Such as **Bride, Maid, G. Gate, Ivory, Meteor, Perle, Kaiserin, Richmond, Chatenay, Carnot, Wootton, Gen. MacArthur,** 2x2½-inch stock at $2.50; 2½x3-inch stock at $4.00. **CASH.** Send orders at once to

GEO. A. KUHL, Pekin, Ill.

WATCH US CROW.

Araucaria Excelsa

The Best of All Decorative Plants Nature Produces

OUR SPECIALTY.

Every man in business and life to be successful must adopt one thing as his specialty, and that specialty, whatever be select, of whatever nature it may be, he must guard, study and push to such an extent that it not only benefits himself, but he must conduct it so that everyone who seeks his aid, service or his article, which he advertises or practices, will share a slice of his activity and prosperity. I made the importation and cultivation of Araucarias as a special study in my life. The figures below will show my success in business: In the first year I commenced with an importation of 250. In the eleventh year now, 1906, my importations have grown up to 6,000 (come and see it), and on account of the Araucaria growing yearly more in favor by the plant consuming people all over the country, as a much admired decorative plant for the parlor, bed, dining and sitting room, stores, hotels, lawns and porches the outlook will be for an importation at least of 8,000 to 10,000 in spring of 1907. To secure this vast amount for 1907 I am now on the ocean, per steamer New Amsterdam, leaving Hoboken Aug. 15, striking for Belgium, making contract for next year, 1907. I also shall at the same time bring over with me a large lot of choice Azalea Indica and Palms, etc., for Christmas and Easter flowering. No money will be spared in obtaining for my customers the cream of the Belgium greenhouses only.

Please note lowest prices now going on for August and September:

Araucaria Excelsa.

12 to 14 in. high, 5½-in. pots, 3 to 4 trs., 2 yr. old.$ .50
12 to 14 in. high, 5½-in. pots, 3 to 4 trs., 2 yr. old. .60
16 to 18 in. high, 5½ to 6 in. pots, 3 to 4 trs., 3 yr. old ..... .75
18 to 20 in. high, 6-in. pots, 5 to 6 trs., 4 yr. old.. 1.00
20 to 24 in. high, 6-in. pots 5 to 6 trs., 4 yr. old.. 1,25
36 to 50 in. specimen, 7-in pots, 6 yr. old, $2.50 to 3.00

Araucaria Compacta Robusta, have 1000 of them, never were so nice as this year. Plants are as broad as long from 12 to 20 in. in height, 3 to 4 perfect tiers, 20 to 30 in. wide across from one tip of tiers to the other, 3, 4 and 5 years old, 6 to 7-in. pots $1.25, $1.50, $1.75, $2.00, up to $3.00 each.

Araucaria Excelsa Glauca, are perfect jewels in shape and size; their beautiful green-blue tiers make them of such a striking appearance that everybody seeing them must fall in love with them on sight, and cannot help it. Plants, 6 to 7 in. pots, 3, 4 and 5 perfect tiers, 15 to 25 in. in height, from 15 to 30 in. across, $1.25 $1.50, $1.75, $2.00 to $2 50 each.

Please bear in mind these mentioned varieties are the cream of Belgium importations. We have thousands of them: can meet all demands.

Kentia Forsteriana, 6-in. pots, 35 to 40 in. high, 5 to 6 leaves, 4 years old, $1.25 to $1.50; 30 to 35 in. high, 4 years old, 6 in. pots, $1.00; 5½-in. pots, 25 to 30 in. high, 3 years old, 75c; 4-in. pots, made up with three plants, 18 to 20 in. high, 25 to 30c. **Belmoreana,** 6 in. pots, 4 years old, 5 to 6 leaves, bushy, 30 to 35 in. high, $1.25; 5½ to 6 in. pots, 3 years old, 5 to 6 leaves, 75c to $1.00 each. Above are the sizes entered in the custom house. **Kentia Forsteriana,** 7-in. pots, made up plants, on elarge in center, three smaller sizes, about 22 to 24 in. high, price $2.00 each.

OUR LITTLE PETS.

By Aschmann, in Philadelphia, I bought
An Araucaria, a pet for our little girl—
Now we have two pets, the pride of our thought,
The little girl so sweet a head full of curls,
And the Araucaria with their everlasting green—
A more joyful home you never have seen.

Nephrolepis Barrowsii, 6-in., large, ready for 7-8 in, 50c; 4-in., large, 25c.

Nephrolepis Scottii, 6-in. pots, large, ready for 7-8 in., 50c; 5½-in., 40c; 5-in., 35c; 4-in., 20c to 25c.

Boston Ferns, 4-in., 20c to 25c: have them by the 1000.

Asparagus Plumosus Nanus, 3-in., 6c; 4-in., 10c.

Chinese Primroses, in 4-in pots, ready to shift into 5-in. pots, will bloom for Christmas, $10.00 per 100.

Cocos Weddelliana, 15c.

Areca Lutescens, made up plants, 4-inch pots, 5c.

Ficus Elastica, Belgian importation, 6-in. pots, 50c each.

Ferns. A fine assortment of Ferns for dishes large, bushy, out of 2½-inch pots, $5.00 per 100 3-inch, 7c each.

All goods must travel at purchaser's risk. Cash with order, please.

GODFREY ASCHMANN, Importer and Wholesale Grower of Pot Plants 1012 Ontario St., PHILADELPHIA, PA.

GOOD FERNS CHEAP

	Per 100
BOSTONS, strong runners	$ 2 00
" from 5-in. pots	25.00
" from 6-in. pots	40.00
" from 7-in. pots	60.00
" from 8-in. pots	75 00
" from 10-in. pots,	$1.50 each

WHITMANI, strong young plants, from bench, $10.00 per 100.

	Per 100
PIERSONI, from 5-in. pots	$25.00
" from 6-in. pots	40.00
" from 7-in. pots	60.00
SCOTTII, from 5-in. pots	$25.00
" from 6-in. pots	40.00
" from 6-in. pots	60.00

ELEGANTISSIMA, strong, 2½-in., $5.00 per 100.

DAVIS BROS., Morrison, Ill.

PANSIES.

Brown's Extra Select Superb Giant Prize Pansies.

Awarded silver medal St. Louis Exposition, 1904.

Plants, mixed colors, in any quantity, $3.00 per 1000. Cash with order.

PETER BROWN,

LANCASTER, PA.

GOV. HERRICK THE COMING VIOLET

One that produces three times as many flowers as any violet ever offered for sale. It will please you. Order at once. Prices: $2.00 per doz.; $10.00 per 100; $75.00 per 1000; 5,000 or more at $60.00 per 1000. Send for description today.

H. R. CARLTON, Willoughby, O.

INTRODUCER and ORIGINATOR.

For Best Results Advertisers should mail new advertisements and changes so as to reach us on Mondays.

PETER REINBERG,

51 Wabash Ave., CHICAGO.

Largest Grower of Cut Flowers in the World.

THE FALL SEASON IS NOW ON.

1,200,000 FEET OF GLASS IN FULL CROP.

SEND US YOUR ORDERS FOR

Beauties, Chatenay, Richmond and Liberty.

All other Roses and Standard Carnations in large supply. Get the freshest stock at lowest market rates and the assurance of such supplies as can only come from 1,200,000 feet of modern glass.

CURRENT PRICE LIST Will be Found in the American Florist Each Week Hereafter During the Season.

J. B. DEAMUD, President.

The Busiest House In Chicago.

W. P. KYLE, Vice-President.

THE BUSY SEASON IS NOW AT HAND.

We are prepared to supply your wants.
We are prepared to sell your flowers.
We want your business.
We handle the BEST GRADE OF

Wild Smilax, Fancy Ferns, Galax, Roses, Carnations, Violets, Valley and all Staple and Special Stock.

J. B. DEAMUD CO.

51 and 53 Wabash Ave., CHICAGO.

J. B. DEAMUD, President.
W. P. KYLE, Vice-President.
ALEXANDER NEWETT, Manager.

Cleveland.

THE MARKET.

Trade the past week has been all that can be expected at this time of the year, with the weather as hot as it has been. Stock of good quality is cleaned up every day, but the quantity of short-stemmed carnations, that are coming in at this time, is hard to move, as it is good for nothing but funeral work. This means that the street fakir cleans up the left-overs. The quality of roses is on the incline, and with a little cool weather, which must soon come, will be larger and in good demand.

NOTES.

James Eadie will, in a short time, move from his present location in the Lenox building, on Erie street, to a much finer store in the same building on the Euclid avenue side, directly opposite the J. M. Gasser Co.

Henry Robinson, one of Akron's wealthiest business men, died the past week and the demand for good flowers was keenly felt in this city.

On September 17 the Florists' Club was entertained by H. A. Hart. A pleasant evening was enjoyed at cards.

C. B. Wilhelmy, the west side florist, is sporting a fine new touring car.

Simon Anderson is sending in some fine carnations from new plants.

OHIO.

Madison, N. J.

The Morris County Gardeners' and Florists' Society held its regular meeting September 12, the first since last June when the society adjourned for the summer. There were 26 members present. The monthly exhibit was not large but was nevertheless excellent. J. Heeremans showed onions Ailsa Craig and Magnum Bonum, and a grand lot they were in size and finish, especially the Ailsa Craig. Mr. Heeremans was awarded a cultural certificate. He also had four varieties of Hohenzollern asters, all fine, and was accorded honorable mention for the same. E. Reagan had several vases of Thompson's Celosia magnifica in variety and Dahlia Mrs. Theodore Roosevelt, both of which received honorable mention. Flower show preparations took up considerable time. Two new members were elected. Alex. J. Guttman gave a vivid description of the Dayton convention. President Heeremans will tell of his trip abroad at the next meeting. E. R.

Albany, N. Y.

With the advent of autumn business is rapidly improving and the local florists have become quite busy.

A notable funeral the past week was that of Col. William E. Fitch, a member of the G. A. R. and a prominent Mason. H. G. Eyres had orders for six pieces for his funeral. Among them was a large standing wreath of American Beauty roses. Cyrus Temple, Nobles of the Mystic Shrine, contributed a handsome wreath of Bride roses. Post L. O. Morris, G. A. R., of which the deceased had been a member, sent a large wreath of Bridesmaid roses and asters. Before being sent to the house the pieces were for a short time on exhibition in Eyres' show window and attracted favorable comment. R. D.

Tacoma, Wash.

Business in this city continues good, with a fine outlook for the coming season. Good cut flowers are very scarce, especially roses and carnations. All the florists have calls every day for more than the supply. Lateness of all the carnations coming into bloom is responsible, but prospects are good for a large supply, as the new glass going up will add a large cut later.

A. A. Hinze has put on the last row of glass and has a splendid place. He handles cut flowers, plants, bulbs and shrubs. The scarcity of labor delayed construction work generally.

We are to have another new store opened soon. Mr. Felix of Seattle is making his arrangements to join the local ranks with a retail cut flower store.

The Tacoma Floral Co. has material on the ground and is to erect a new house, 20x100 feet, this season.

Mrs. M. E. Hayden has moved her cut flower store to the opposite side of Pacific avenue. TACOMA.

Bloomington, Ill.

The Phoenix Nursery Co., of which Fred H. Rowe is manager, opened a down town retail store here September 18. The formal opening was from 3:30 in the afternoon until 10 o'clock and was a brilliant affair. Both windows were tastefully decorated, one displaying celestial peppers, and the other an assortment of seasonable cut flowers. Not only does the elegance of the store attract the passerby but, a spacious and convenient workroom in the rear shows that the concern means to get the business. It will handle not only cut flowers and plants, but also bulbs, shrubs and florists' supplies. Mr. Rowe until recently has been connected with the Chicago Carnation Co.'s retail store at Joliet.

Utica, N. Y.

The social event of the season was a reception given by Geo. Benedict and wife at their home in Yorkville, September 19, from 3 to 7 p. m., in honor of the twenty-fifth anniversary of their going into business. One hundred and twenty-five invitations were issued, of which about 115 called during the afternoon and wished them many more years of success. Mr. Benedict gave each lady an armful of roses. All left with the opinion that the Benedict reception was the most enjoyable of the many social gatherings of the florists during the past year. BUD.

Denver.

Business continues very good and the growers expect to have chrysanthemums in the market September 28. We usually have frost here during the week of this date and this will increase the business about 50 per cent. Carnations are coming in nicely and we are also getting a few very good violets.

Ben Boldt has assigned his lease and sold his property to J. W. Braidwood, of Colorado Springs, who took possession September 22. Mr. Boldt and family are to spend the winter in Germany.

PLATTE.

NEWS NOTES.

DENVER, COL.—The Montrose Orchard Co. has been incoporated with a capital of $50,000 by Perlina S. Davis, Benj. B. Avery and J. H. Smith.

GREENFIELD, IND.—Jacob Forest is busily engaged finishing the new addition to his greenhouses on S. Meek street.

ORANGEBURG, N. Y.—Eight thousand people attended the sixty-third annual fair of the Rockland County Agricultural and Horticultural Association September 3.

TACOMA, WASH.—Louis Tschunko is erecting three greenhouses on the acre tract at South Fiftieth street and Pacific avenue. The buildings will be 20 x 100 feet and cost $1,500.

TOLEDO, O.—The Schoen Floral Co. has been incorporated with a capital of $10,000 by Frank J. Schoen, James C. Griblin, Albert Joseph, John S. Schoen and William G. Vollmeyer.

SALEM, ORE.—F. M. McElfresh, superintendent of the large Wallace orchard near this city, committed suicide September 8 by shooting himself in the head with a shotgun. Temporary insanity is the only possible explanation of his act.

TOPEKA, KANS.—The Shawnee County Horticultural Society held its regular meeting September 6 at the home of J. F. Cecil. An excellent dinner was served under the trees of the beautiful grove. T. E. Armstrong gave a practical talk on "Picking, Packing and Sorting Apples."

SAULT STE. MARIE, MICH.—Wm. E. F. Weber has just completed one house 16x125 and another 10x50 feet. He reports business as exceptionally good. Otto H. Weber, for the past five years with Wm. E. F. Weber, has purchased the Egerton estate, of Sault Ste. Marie, Ont.

NASHUA, N. H.—Hundreds of people have been daily visiting the grounds of Henry F. Mears on Mulberry street. So notable is this collection of plants that visitors have come from as far as Lynn, Mass., to inspect it. The many varieties of coleus attract the greatest attention, but a well-displayed aspidistra does not lack for admirers.

WOLCOTTVILLE, IND. — The Indiana Horticultural Society held a very successful meeting at the home of G. D. Galy of this place. A commodious tent was secured in which the principal exercises took place. Visitors were in attendance from all sections of the state and as well from some of the neighboring states.

COLUMBIA, S. C.—D. C. Noble is building three new greenhouses, each 21x151 feet. Two of these houses he has already planted to carnations, having on the benches 6,165 plants. The heating plant will be just north of the buildings, steam heat being contemplated for the new houses. The six other houses are heated by the hot water system. Mr. Noble has done all the plumbing for the new buildings himself and is also doing much of the carpenter work.

PALMS, FERNS and DECORATIVE PLANTS

We Offer Good Value. Saving in Express and Freight west of Ohio.

ARAUCARIA EXCELSA.

(Norfolk Island Pine.)

We have a large quantity of these popular Christmas plants. All are perfect, well shaped plants, and will give good satisfaction.

Size pot.	Height	Whorls	Each	Doz.
6 in.	16 in.	4	$1.00	$12.00
6-in.	18 in.	4	1.25	15.00
7-in.	22 in.	5	1.50	18.00

ARAUCARIA EXCELSA GLAUCA.

Size pot.	Height	Whorls	Each	Doz.
5 in.	12 in.	3	$1.00	$12 00
6-in.	13 to 15 in.	3 to 4	1.25	15.00
7-in.	18 to 20 in.	4 to 5	1.50	18.00
7-in.	22 to 24 in	4 to 5	2.00	24.00
9-in., fine specimens	30 in.	4 to 5	3.00	....
9-in., fine specimens	34 in.	5	4.00	....

ARAUCARIA ROBUSTA COMPACTA.

Size pot.	Height	Whorls	Each	Doz.
5 in.	10 in.	2	$1 00	$12.00
6-in.	12 in.	to	1.50	18.00
7-in., fine specimens	28 in.	5	3.00	....
8-in., fine specimens	32 in.	5 to 6	4 00	....

ASPARAGUS PLUMOSUS NANUS.

We Are Headquarters.	Per 100	Per 1000
2-in pots, strong ready for a shift	$3.00	$25.00
2½-in. pots, strong, ready for a shift	4.00	40.00
3-in. pots, strong, ready for a shift	7.00	65.00
Strong Seedings	1.50	12 00

BOSTON FERNS.

Nephrolepis Exaltata Bostoniensis.

We have the finest stock in the west. All our plants are pot grown, bushy stock, well furnished with fronds from the pot up and cannot be compared with the cheap long-drawn-up lifted stock from the bench. A sample shipment will convince you of our superior stock. Stock ready last of August.

	Each	Per doz.	Per 100
2½-in pot plants		$ 0.60	$ 5.00
3-in. pot plants		1.50	10.00
4-in. pot plants		2.50	20.00
5-in. pot plants	$ .50	5.00	40.00
6-in. pans plants	.75	8.00	60 00
7-in pans plants	1.00	10.00	75.00
8-in. pans plants	1.00	15.00	.....
9-in. pans plants	$2.00 to $2 50	.....	.....
10-in pans plants	3.00 to 3 50	.....	.....
12-in. pans plants	4.00 to 5.00	.....	.....

ASSORTED FERNS FOR FERN DISHES.

We have a very large stock of all the best Pteris Ferns. 2¼-in. pots, strong and bushy, assorted, per 100, $3.00; per 1000, $25.00.

BABY RAMBLER ROSES.

We have a fine lot now growing in our fields, and offer strong, dormant plants for October and November delivery.

	Doz.	100	1000
1st size, selected, 2 years old	$3 00	$25.00	$200.00
2nd size, selected, 2 years old	2.50	20.00	150.00
1st size, selected 1 year old	2.00	15.00	120.00

Also have a large stock of pot grown plants in bud and bloom.

	Doz.	100
5-in. pots	$1.50	$12.00
4 in. pots	3.00	20.00
5-in. pots	5.00	40.00
6-in. pots	6.00	50.00

NEW ROSE ETOILE DE FRANCE. The best red rose for pot sales. 1-year-old dormant plants per doz., $2.00; per 100, $15.00

KENTIA FORSTERIANA.

Size Pot	Leaves	Height	Each	Doz	100
3-in.		8 to 10 in.	$....	$ 2.00	$15.00
4-in.	5 to 6	15 to 16 in.	....	4.00	30.00
5-in	5 to 6	24 in.	.75	9.00	....
6-in.	5 to 6	26 to 30 in.	1.00	12.00	....
6-in.	6	28 to 30 in.	1.25	15 00	....
6-in.	6	34 to 36 in.	1.50	18.00	....
7-in.	6	36 to 40 in.	2 00	24.00	....
8-in.	5 to 6	45 in.	3.00	36.00	....
8-in.	6 to 7	45 to 50 in.	3.50	....	....
8-in.	6 to 7	50 to 55 in.	4.00	....	....
9-in.	6	55 to 60 in.	4.50	....	....
10-in tubs	6 to 7	65 in.	6.00	....	....
10-in. tubs	6 to 7	70 in.	7.00	....	....
12-in. pots	6	75 in.	8.00	....	....

MADE-UP KENTIA FORSTERIANA.

Size Pot	Plants in Pot	Height	Each
8-in.	3	40 in.	$3.00
8-in.	3	40 to 45 in.	3.50
9 in.	3	50 in.	4.00
9 in.	3	55 in.	4.50
9-in.	3 heavy	60 in.	5.50
9-in. tubs	3 heavy	65 in.	6.00
9-in. tubs	3 heavy	70 in.	7.00
10-in. tubs	5	55 in.	6.00

KENTIA BELMOREANA.

Size Pot	Leaves	Height	Each	Doz.	100
5-in.	5 to 6	18 to 20 in..	$ .75	$ 9.00	$70 00
6-in.	6	20 to 22 in..	1.00	12.00	....
6-in.	6 to 7	24 in..	1.25	15.00	....
7-in.	6	26 to 28 in..	1.50	18 00	....
7-in.	6	28 to 30 in.	2.00	24.00	....
7-in.	6 to 7	32 to 34 in..	2 50	30.00	....
7-in.	6 to 7	35 in..	3.00	36.00	....
8 in.	6 to 7	40 in..	3.50	....	....
8-in.	6 to 7	40 in., heavy	4.00	....	....
9 in. tubs	7	36 to 40 in.. heavy	5.00	....	....
9 in. tubs	7	50 in.. heavy	8.00	....	....
12-in. pots	8	55 to 60 in., heavy	12.00	....	....

CELESTIAL OR XMAS PEPPERS.

One of the very best of Christmas plants.	Per doz.	Per 100
Strong plants, 4 in. pots	$1.25	$10 00
Strong plants, 5-in. pots	2.00	15.00

FICUS ELASTICA. (Rubber Plant).

5-inch pots, 12 to 14 in high ..... $5.00 per doz.; $40.00 per 100

CYCAS REVOLUTA. (Sago Palm.)

We can supply these in various sizes, from 1 to 6 lb. bulbs, in leaf, at 50c per lb.

HYDRANGEA ROSEA. (New).

3-in. pot plants, 1 to 2 stems ..... $1.00 per doz.; $8 00 per 100
Otaksa and Thos. Hogg, 4-in. pot plants, 2-3 branches ..... $10.00 per 100
field plants, 3-4 branches ..... 15.00 per 100

CARNATIONS.

Victory and Robert Craig, medium size ..... $12.00 per 100

RICHMOND ROSES.

2½-in. pots, strong	$ 7.00 per 100;	$ 60.00 per 1000
3-in. pots strong	8 00 per 100;	75.00 per 1000
4-in. pots, strong	12 00 per 100;	100.00 per 1000

KILLARNEY, strong
Strong, 3-in. stock ..... $ 8 00 per 100; $ 75.00 per 1000
4-in. ..... 12.00 per 100; 100.00 per 1000

PAEONIES FOR SEPTEMBER PLANTING. We have the best kinds of our own growing, all true to name. Send for complete list.

PERENNIALS FOR FALL PLANTING. Our stock is large and consists of all the best sorts. Send for special list.

Send for our special list of Palms, Ferns and Decorative Plants. We offer good value; saving in express and freight west of Ohio.

14 Barclay St. NEW YORK.

VAUGHAN'S SEED STORE,

84-86 Randolph St. CHICAGO.

GREENHOUSES, WESTERN SPRINGS, ILL.

HEADQUARTERS FOR

CHOICE PLANTS

English Ivy, Anthericums, Kentias Forsteriana and Belmoreana, Phoenix Canariensis, Araucarias, Bay Trees and Boxwood Pyramids, Asparagus Plumosus, Bird's Nest, Scottii, Elegantissima, Piersoni, Boston and Johnsoni Ferns, Cattleya Trianæ, Rubbers, Dracænas Terminalis and Fragrans, Pandanus Veitchii, Gardenia Veitchii, Cycas Revoluta, Cibotium Schiedei, Livistona Sinensis, Areca Lutescens, Crotons, Aspidistras, Lygodium Scandens, Primula Obconica, Begonia Rex, Daisies, Fern Balls, Lily of the Valley, Cut Flowers, Leaf Mold, Orchid Peat, etc. Write for prices.

Anton Schultheis 19th St. and 4th Ave., College Point, L.I., N.Y.

Asparagus Plumosus.

Exceptionally fine stock from 3-in. pots, $5.00 per 100.

Asparagus Sprengeri,

From 3½-in. pots, $6.00 per 100.

Write for price on large lots.

SCHARFF BROS.,

Van Wert, Ohio.

Queen Beatrice Rose.

Four to one shot. Four times as many flowers as Maid.

F. H. KRAMER, 916 F St., WASHINGTON, D. C.

VIOLET PLANTS FOR SALE.

Lady Campbell Violet Plants

Field-grown, $20.00 per 1000 delivered at express office. Cash with order.

J. M. BRAMHAM, Waldrop, Va.
Grower of Violet Plants for the Trade.

Palms, Ferns, Etc.

WHOLESALE PRICE LIST.

Hydrangea Otaksa, field grown, $1.50 and $2.00 per doz.

	In.	Tiers.	Ea.	Doz.	100
Araucaria Excelsa	4	2 to 3	$0.35	$4.00	
" "	5	3	.75	9.00	
" "	6	3 to 4	1.00	12.00	
Asparagus Plumosus	2				$3.00
" "	3				6.00
Asparagus Sprengeri	2				3.00
" "	3				6.00
" "	4			1.50	
" "	5			2.00	

Asparagus Scandens Deflexus, a beautiful green for wedding and funeral work, 3-in. pots at $1.50 per doz.; 4-in. pots at $2.00 per doz.

Carnations, field-grown. We have to spare: 1000 White Cloud, $4.00 per 100; 800 Sports, $4.00 per 100.

Adiantum Capillus, 5-in., $2.00 per doz.

Boston Ferns, 4-in. pots, $1.50 per doz.; 5-in. pots, $3.00 per doz.; 6-in. pots, $4.20 per doz.; 6-in. pots, strong, $6.00 per doz.; 7-in. pots, $9.00 per doz. Larger specimens, $1.50, $2.00 and $3.00 each.

Scottii Ferns, 10-in. pots, $2.00 each.

Assorted Ferns for dishes, $3.00 per 100; $25.00 per 1000. We have a large lot to offer in best varieties.

Fern Balls, 7 to 9. Dormant or in leaf, $4.20 per doz.

Dracaena Fragrans, 5-inch pots, 50c each; $5.00 per doz. 6-in. pots, 75c each; $9.00 per doz

Dracaena Indivisa. 2-inch pots, $2.50 per 100; 6-inch pots, 20 to 26 inches high, 50c each; $5.00 per doz.; 7-inch pots, 30 to 34 inches high, 75c each; $9.00 per doz.

Dracaena Massangeana, 8-inch pots, $2.00 each. " " beautiful specimens, 9-inch pots, $3.00 each.

Dracaena Terminalis, 4-inch pots, 25c each; $3.00 per doz.; 5-inch pots, 35c each; $4.20 per doz.

Honeysuckle Vines, 4-inch pots, $8.00 per 100.

Maranta Lietzii, 2¼ in., $1.00 per doz.

Pandanus Veitchii, 6-in. ..... per doz., $12.00
" **Utiles,** 3-in. ..... per doz., 1.50
" " 4-in. ..... per doz., 3.00
" " 5-in. ..... per doz., 5.00

Areca Lutescens, 5-in., 50c each; $5.00 per doz.

Cocos, for dishes, 2½-inch, $1.50 to $1.75 per doz.

Cocos Bonetti, large specimens, $40.00 each.

	In.	Each	Doz.
Kentia Belmoreana	3		$ 2.00
" "	6	$1.00	12.00
" "	6 xx	1.25	15.00
Kentia Forsteriana	5	.60	7.20
" "	6	1.25	15.00
" "	7	2.00	24.00

Phoenix Canariensis, 2-in. ..... per doz., 1.00
" " 5-in. ..... per doz., 5.00
" " fine bushy plants, 10-in. pots, $3.00 each. Large specimens.

Phoenix Reclinata, 3½-in. ..... per doz., $2.00
" " 4-in ..... per doz., 3.00
" " 6-in., 50c each; per doz., 6.00
" " 7-in., 75c each.

Selaginella Denticulata, 3-in., per doz., $1.00.

The Geo. Wittbold Co.

1657 BUCKINGHAM PLACE, CHICAGO.

GERANIUMS

ROOTED CUTTINGS.

Orders booked for delivery Nov. 1, and after I will have fourteen houses planted to stock plants and can supply you with the right kind of cuttings.

	Per 100	1000
S. A. Nutt, Perkins, Buchner, Doyle	$1.25	$12.50
Viaud, Jaulin, Poitevine, L. Francis, Ricard, Castellane, Trego	1.50	15.00
Peter Henderson	2.00	20.00
Fleuve Blanc (White Poitevine)	5.00	50.00

These cuttings are carefully grown and will make a better plant than the average pot plant.

FIELD PLANTS.

S. A. Nutt, Castellane and Ricard, ready for 3-inch pots, at $2.00 per 100.

ALBERT M. HERR,
Lancaster, Pa.

CARNATIONS.

Strong, Healthy, Field-Grown Plants.

BOSTON MARKET .....per 100, $3.00; per 1000, $25.00.

PINK	Per 100	Per 1000
Lawson	$5.00	$40.00
Nelson	3.00	25.00
Guardian Angel	3.00	25.00
Morning Glory	4.00	30.00
Higinbotham	3.00	25.00
WHITE	**Per 100**	**Per 1000**
Boston Market	$3.00	$25.00
WHITE	**Per 100**	**Per 1000**
Flora Hill	$3.00	$25.00
Queen Louise	3.00	25.00
RED	**Per 100**	**Per 1000**
Estelle	$5.00	$40.00
VARIEGATED	**Per 100**	**Per 1000**
Armazindy	$3.00	$25.00

ROSE PLANTS.

	Per 100	Per 1000
Liberty, 3-in.	$4.00	$35.00
Chatenay, 2½-in.	$4.00	$35.00

PETER REINBERG,

51 Wabash Avenue, CHICAGO.

GERANIUMS

2½in. Pots, Ready for Immediate Delivery

Alliance. Lemoine 1905, Hybrid, Ivy and Zonal, semi-double, lilac white, upper petals feathered and blotched crimson maroon, 25c each; $2.00 per doz.

Fleuve Blanc, the semi-double Bruant that promises to become the standard white, flowers and foliage equal to Alph. Riccard, $1.50 per doz.; $10.00 per 100.

Double Dryden, $1.00 per doz.; $5.00 per 100.

Cactus Geraniums, four varieties, petals curled and twisted similar to the Cactus Dahlia, $2.00 per doz.; $15.00 per 100.

S. A. Nutt, La Pilote, Beaute Poitevine, Mme. Barney, Centaur, Miss Kendall, Mme. Jaulin, Jean Viaud, Mme. Charotte, 40c per doz.; $2.00 per 100; $18.00 per 100.

Ville Poitiers, Marquise de Castellane, Berthe de Persilly, M. Jolly de Bammeville, Thos. Meehan, 50c per doz.; $3.00 per 100; $25.00 per 1000.

Send for Geranium Catalogue. Let us figure on your future supply.

	Per 100	1000
Alternanthera, red and yellow	$2.00	15.00
Hardy English Ivy	2.00	15.00
Smilax	2.00	15.00

DAHLIA ROOTS.

We are booking orders for fall delivery. Send for list.

A cordial invitation is extended to all interested in horticulture to visit us. Cowenton station, Philadelphia division, B. & O. R. R., 12 miles north of Baltimore.

R. VINCENT, JR. & SON, White Marsh, Md.

Directory of Gardeners

—AND—

Estates Employing Gardeners

—IN THE—

UNITED STATES and CANADA.

Price $5, Cash With Order.

AMERICAN FLORIST CO. 324 DEARBORN ST., CHICAGO.

CARNATIONS, field-grown

	Per 100		Per 100
2000 Queen Louise, large	$5.00	300 Kohinoor, large	$4.00
2000 Pr'sp'rity large	5.00	600 Frances Joost, large	4.00
500 Lady Bountiful, medium	7.00	200 Gov. Wolcott, large	5.00
1500 Harlowarden, large	5.00	100 Her Majesty, large	5.00
300 America, large	5.00		

C. H. FREY, Lincoln, Neb.

SPECIALTIES.

ROSES from 3-inch pots. **CHRYSANTHEMUMS.**
CARNATIONS, for fall delivery. **SMILAX. VIOLETS.**
IN BEST VARIETIES.
Prices low Send for list.

WOOD BROTHERS, Fishkill, N. Y.

Will Sell Cheap

50,000 Canna Roots

Mostly Alphonse Bouvier.

Also 10,000 **Boston Ferns** in 4-inch and 5-inch pots, Send for prices.

JOHN WOLF, Ott and Anderson Sts., SAVANNAH, GA.

Please mention the American Florist when writing.

ARAUCARIA EXCELSA.

As usual at this season of the year we are again carrying an immense stock of Araucarias which we offer at very favorable prices. These plants travel safely by freight to reasonable distances at this season of the year. Why not lay in a sufficient supply now to carry your sales through the holidays, saving heavy transportation charges later on.

ARAUCARIA EXCELSA.

5-inch pots, 8 to 10 inches high, 3 tiers	$ .65 each
6-inch pots, 12 to 14 inches high, 3 to 4 tiers	.75 each
6-inch pots, 14 to 16 inches high, 4 tiers	1.00 each
6-inch pots, 16 to 18 inches high, 4 tiers	1.25 each
7-inch pots, 20 to 22 inches high, 5 tiers	1.50 each

ARAUCARIA EXCELSA GLAUCA.

5-inch pots, 8 inches high, 2 tiers	$ .75 each
6-inch pots, 13 to 15 inches high, 3 tiers	1.25 each
7-inch pots, 22 to 24 inches high, 4 to 5 tiers	2.00 each

ARAUCARIA ROBUSTA COMPACTA.

6-inch pots, 10 inches high, 2 to 3 tiers	$1.25 each
6-inch pots, 12 inches high, 3 tiers	1.50 each

For a complete list of seasonable Plants, Bulbs and Seeds, see our current Wholesale List.

HENRY A. DREER, 714 Chestnut St., **PHILADELPHIA, PA.**

GET THE BEST

It don't pay to buy poor stock.

	Per 100	Per 1000
Richmond Roses, 2½-in	$5.00	$40.00
" " 3½-in	6.50	55.00
American Beauties, 3-in	5.00	40.00
" " 3½-in	6.50	55.00
Chatenay, 2½-in	3.50	30.00
" " 3½-in	5.00	45.00
Uncle John, 2½ in	3.50	30 00
" " 3½-in	5.00	45.00
Golden Gates, 2½-in	3.50	30.00
" " 3½-in	4.50	
Kaiserin, 2½-in	3.50	30.00
Sunrise, 3½-in	5.50	50.00

Satisfaction Absolutely Guaranteed.

	Per 100	Per 1000
Sprengeri, 3-in	$4.00	$35 00
Plumosus, 3 in	5.00	45.00
Yellow Snapdragon, 3½-in	5.00	45.00

Field-Grown Carnation Plants.

Free from stem rot or other diseases.
Strong, healthy plants

	Per 100	Per 1000
Wolcott	$4.00	$35.00
Prosperity	4.00	35.00

POEHLMANN BROS. CO.

MORTON GROVE, ILL.

SURPLUS STOCK FOR SALE AT ONCE.

100 **Dracaena Regina,** 4 in. pots 10c
250 **Dracaena Stricta grandis,** 4 in. pots 15c
100 **Dracaena Lady Hume,** beautifully colored variety 15c
100 **Dracaena Hybrida** 15c
250 **Dracaena Amabilis** 25c
350 **Dracaena Terminalis** 12c
100 **Pandanus Utilis,** 4-pots 25c
500 **Cyclamen** in 3-in. and 4-in. pots, of the best giant varieties, at from $8.00 to $10.00 per 100.

Subject to being unsold.

Above are strong, clean, healthy stock.

SIEBRECHT & SON,

ROSE HILL NURSERY,
NEW ROCHELLE, N. Y.

DAHLIAS.

Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring.

DAVID HERBERT & SON,
Successors to L. K. Peacock, Inc., **ATCO, N. J.**

LUDVIG MOSBAEK,

Onarga, Ill.

SPECIAL:—To October 15, ten per cent off for strictly cash with order for plants in this list, to make room for bedding plants.

	Per 1000	100	Doz
ASPARAGUS, Plumosus Nanus, from 4½-inch pots		$10.00	$1.35
ASPARAGUS, Plumosus Nanus and **Sprengeri,** from 4-inch pots	$75.00	8.00	1.10
Same from 3-inch pots	45.00	5.00	.65
Same from 2¼-inch pots	22.50	2.50	.35
FERNS, Boston and **Piersoni,** from 10-inch pans, each, $2.00			20.00
" " " from 8-inch pans, each, 1.00			10.00
FERNS, Boston and **Piersoni, Anna Foster** and **Sword,** all pot-grown, 6-inch		40.00	5.00
4-inch	125.00	15.00	2.00
3-inch	75.00	8.00	1.00
2¼-inch	30.00	3.50	.50

I have also a few thousand **Bench-grown Ferns** for 4-5-6-inch pots. Prices on application as long as they last.

FERNS, Piersoni Elegantissima. Of this I have a very fine lot from 4-inch pots		30.00	4.00
3-inch pots	125.00	15.00	2.00
2¼ inch pots	70 00	8.00	1.25
	Per 1000	100	
DRACAENA Indivisa, 4-inch, $8.00; 3-inch, 5.00; 2¼-inch			$2.50
PALMS, for growing on; we want to clear them out at a special bargain.			
" **Kentia,** from 3 inch pots			10.00
" **Phoenix Canariensis,** from 4-inch pots			15.00
ROSES, Bride and **Maids.** A surplus of a couple of thousand in 3-inch pots, partly in bloom, fine plants, need shift or bench			4.00
SANSEVIERIA. Zeylanica Var., 4-inch, $15 00; 3-inch			8.00
GERANIUMS, 10,000 Stock Plants from field, standard varieties			5 00
" **Rooted Cuttings**		$10 00	
" from 2¼-inch pots		18.00	2.00
ALTERNANTHERA, R C., 4 varieties		4.00	

BEDDING PLANTS, all other varieties. Prices on application.

CANNAS, Roots.

For orders booked before October 15th for Fall delivery.

Bronze leaved, Discolor, for foliage		7.50	1 00
" **Robusta,** for foliage		6.00	.80
Burbank, yellow flowers		6.00	.80
Chas. Henderson, red flowers		10.00	1.25
Allemania, variegated red and yellow flowers		7.50	1.00
Tall Florence Vaughan, var. red and yellow		10.00	1.25
Mlle. Berat, pink flowers		10.00	1 25
My selection of above and other named varieties, per 10.000	$60.00		
Bronze leaved, mixed		5.00	.70
Yellow shades, mixed		5.00	.70
Red Shades, mixed		5.00	.70
All Shades, mixed		4.50	.60
All Shades, separate, per 10.000	$45.00		
PANSY Seedlings, Florists' International		3.00	.50
" transpl		6.00	.75
VINCA Var., strong, field-grown, 1st size			6.00
" " " " 2nd size			3.00

PERENNIAL PLANTS, field-grown; list mailed.

For Best Results advertisers should mail new advertisements so as to reach us Modday.

Index to Advertisers.

Adv rates.....444
Advance Co The....478
Allen J K 455
Amling E C.....451
Andorra Nurseries...460
Aschmann Godfrey..462
Atlanta Floral Co...457
Baller F A.....459 461
Barrows Henry & Son453
Barteldes Seed Co ..448
Bassett & Washburn.450
Baumann L & Co....476
Bay State Nurseries.460
Beaven E A.....448
Beckert W C..... II
Benthey-Coatsworth Co.....451
Berckmans P J Co. 460 461
Berning H G.. ... 453
Bertermann Bros Co.456
Blanksma Bros.....462
Boddington A T II
Branham J M.....465
Braslan Seed Co.....458
Breitmeyer's J Sons 456
Brooks C W 448
Brown Peter.....462
Bruns H N..... II
Budlong J A.... 451
Burpee W A & Co...459
Byer Bros.....448
Caldwell the Woodsman Co.....448
Carlton H R.....462
Carmody J D.....478
ChicagoCarnationCo 1
Chicago House Wrecking Co.....477
Clark Wm 449
Cleveland Cut Flo Co457
ClipperLawnMower Co.....476
Cochran Mushroom & Spawn Co..... II
Coles W. W.....457
Cooke Geo H.....456
Cotsonas Geo & Co..455
Cowee W J.....468
Crabb & Hunter.... 462
Craig Robert Co.....453
Cross Eli.....462
Cunningham Jos H..457
Daniels & Fisher....456
Davis Bros 462
Deamud J B Co..451 463
De Buck John 457
DetroitFloPotMfy...476
Dietsch A Co.....478
Diller Caskey & Co..III
Dillon J L..... ...449
Dingee&ConardCo..461
Donohoe W H.....456
Dorner F & Sons Co I
Dreer H A.....467 468
Dreyer R.....462
Dunford J W.....457
Edwards Fold'g Box.477
Elliott Wm H 453
Emmans Geo M.....457
Engel Geo.....460
Eyers H G.....456
Fellouris A J 455
Fischer R.....448
Florists' Hail As'n....468
Flower Growers Co..451
Foley Mfg Co.....478
Ford Bros.....455
For Sale & Rent.....445
Frey C H 466
Froment H E 455
Garland Geo M.....III
Giblin & Co..... IV
Giles Nursery Co....460
Globe Eng Co.....478
Good & Reese Co ..446
Gude A & Bro.....456
Gullett W H & Sons.457
Gundestrup K & Co. II
Gurney Heater Co... IV
Guttman Alex J.....455
Guttman & Weber..454
Hansen M A 456
Hart Jas. 455
Hartman Hialmar & Co 459
Hauswirth P J 456
Heller & Co 459
Henshaw A M.....455
Herbert D & Son....467
Herr Albert M.....466
Herrmann A.....477
Hess & Swoboda....456
Hews A H & Co.....476
Hilfinger Bros.....476
Hill The E G Co.... I
Hippard E..... III
Hitchings & Co. IV
Holm & Olson.....456
Holton & Hunkel Co.453
Hooker H M Co.....468
Hort Advertiser 468
Hort Trade Journal..478
Hunt E H.....451
Igoe Bros.....468
Ionia Pottery Co 476
Jackson & PerkinsCo.461
Jacobs S & Sons.....478
Jensen & Dekema...451
Johnston Heating Co477
Journal des Roses...478
Kasting W F..... I
Keller Geo & Son...476
Keller Pottery Co...476
Kellogg Geo M .. 456
Kennicott Bros Co..451
Ky. Tob. Prod. Co. 477
Kervan Co The.....455
Kessler P.....455
King Jas.....461
KingConstructionCo III
Kohr A F 476
Koppelman E L & Co468
Kramer F H.....465
Kramer I N & Son..476
Kroeschell Bros Co. 477
Kuehn C A..... 453
Kuhl Geo A.....449 462
Lager & Hurrell.....457
Lange A.....456
Langjahr A H 455
Lecakes N & Co.....455
Leedham Bulb Co...459
Leedle Floral Co....461
Livingston Seed Co. 456 477
LocklandLumb'rCo III
Lord & BurnhamCo. IV
Mathews, Florist....457
McConnell Alex.....457
McCullough's J M Sons Co..... 453
McKellar Chas W...451
McKissick W E.....453
Mayberry & Hoover 456
Mich Cut Flower Ex.448
Miller Theo.....457
Mills the Florist.....456
Moninger J C Co....III
Moon The Wm H Co.460
Moore Hentz & Nash.455
Morehead Mfg Co...478
Morse C C & Co..... II
Mosbaek L..... 467
Murdoch J B & Co ..453
Murray Samuel.....456
Muskogie Carnation Co.....449
Myers & Co..... 477
Natl Flo Bd of Trade.455
N Y Cut Flower Ex .455
Niessen Leo Co 453
Niuffer C M.....461
Olbertz J.....453
Pacific Seed Co.....459
Paducah Pottery 476
Palethorpe P R Co..476
Palmer W J & Son..456
Park Floral Co.....456
Pennock Meehan Co447
PerennialGardens Co460
Perfection Chem Co.477
Peterson's Nursery..469
Pierson F R Co.. I 459
Pierson U Bar Co....III
PittsburgCut Flo Co.453
Pittsburg Florist Ex .453
Pollworth C C Co....456
Poehlmann Bros Co 451 467
Pratt A D.....461
Quaker City Machine Works.....477
Randall A L Co.....457
Raynor J I 455
Rawson W W & Co.. II
ReadyRefer'nceAdv.469
Reed & Kellar.....468
Regan Print House..449
Reinberg Peter..... 451 463 466
Rice Bros.....448
Rice James H Co....477
Robinson H M & Co.448
Roehrs Julius Co.....462
Sander & Son 455
Shaafi M J.....448
Scharff & Bros.....465
Scheiden & Schoos..457
Schil o Adam.....468
Schultheis Anton....465
Schulz Jacob 457
Scott John.....449
Seligman Jno.....455
SharpPartridge&Co.477
Sheridan W F.....455
Siebricht Wm 467
Sinner Bros. 451
Situations & Wants..445
Skidelsky S S.....448
Smith Nathan & Son.457
Smith W & T Co.... I
Smits Jacs.....461
Sprague Smith Co...478
Staer J.....459
Stearns Lumber Co.. IV
Standard Pump & Engine Co..... IV
Stenzel Glass Co....468
Stern J & Co.....468
Stokes Seed Store...459
Stoothoff H A & Co.476
Storrs & Harrison Co461
Styer J J..... II
Sylvester J.....457
Syracuse Pottery Co.476
Taylor F G Seed Co. II
Thompson J D Carnation Co..... I
Thorburn J M & Co. II
Totty Chas H 455
Traendley & Schenck455
VanHoutte PereSons462
Valley Farms Nursery Co..... 461
Van Mol Julius.....459
Vaughan & Sperry...451
Vaughan's Seed Store .....I II 449 459 465
Vick & Hill Co.....460
Vick's Sons Jas..... II
Vincent R Jr & Son..466
Virgin U J.....456
Weathered & Co 478
Weber F C.....456
Weber H & Sons....462
Weeber & Don..... II
Weiland & Risch....451
Welch Bros.....447 453
Whilldin Pot Co.....476
White S W.....449
Wibolt R II
Wietor Bros.....451
Wild Gilbert H.....460
Wilson Andrew 476
Wilson Robt G.....456
Winandy Bros III
WintersonEF Co....459
WittboldGeo Co 451 463
Wolf A Q & Bro.....468
Wolf John.....466
Wood Bros.....466
Woods H.....448
Wrede H..... II
Young A L & Co....455
Young Thos.....455
Zech & Mann.....451

H. M. HOOKER CO.

Window Glass, Paints and Putty.
Greenhouse Glass a Specialty.

59 W. Randolph St., CHICAGO.

Please mention the American Florist when writing.

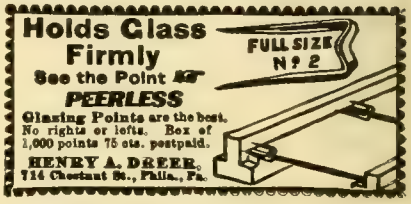
STENZEL GLASS CO.,

GREENHOUSE GLASS.

French and American "WHITE ROSE" Brand.

2 Hudson St., NEW YORK.

Please mention the American Florist when writing.



Please mention the American Florist when writing.

—THE—

Florists' Hail Association

Insures over 23,000,000 square feet of glass. for particulars address

JOHN G. ESLER, Sec'y, SADDLE RIVER, N. J.

GET OUR PRICES ON

Galvanized Wire Rose Stakes and Tying Wire.

IGOE BROTHERS,

Manufacturers of the **Model Plant Supports** for Carnations Dahlias, Golden Glow, Chrysanthemums and Tomatoes.

63-71 Metropolitan Ave., BROOKLYN, N. Y.

REED & KELLER,

122 W. 25th St., NEW YORK.

FLORISTS' SUPPLIES.

We manufacture all our

Metal Designs, Baskets, Wire Work & Novelties

and are dealers in **Glassware, Pottery, Decorative Greens and all Florists' Requisites.**

Wired Toothpicks

10,000, $1.50: 50.000, $6.25. Manufactured by

W. J. COWEE, BERLIN, N. Y.

Sample free. For sale by dealers.

You heard of, if you did not see, our exhibit at the Convention.

HIGHLY RECOMMENDED

for natural prepared variegated Magnolia Wreaths, Adiantums, natural prepared Christmas Trees and Cycas Wreaths with Asters.

Keep your "I" on the enterprising florists' supply house.

J. STERN & CO.

1928 Germantown Ave., PHILADELPHIA, PA.

ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the

"Horticultural Advertiser"

This is the British Trade Paper, being read weekly by all the Horticultural traders; it is also taken by over 1000 of the best continental houses. Annual subscription to cover cost of postage 75c; Money orders payable at Lowdham, Notts.

Address **Editors of "H. A."**

Chilwell Nurseries, LOWDHAM, Notts, England

Tobacco Dust

FOR FUMIGATING.

It would pay large users of dust to communicate with us and get samples and prices.

Edwin L. Koppelman & Co., 81 PINE STREET, NEW YORK.

The New **WOLF PIPE**

Ventilating MACHINES

Uses all roller bearing hangers, circular cut gear steel arms, furnished for all kinds of houses

A. Q. WOLF & BRO., Dayton, Ohio.

LUMBER

for Greenhouse Benches, Ship Lap, Drop Siding, Sheathing, Flooring, White Cedar Posts, Etc.

We are in special position to furnish **"PECKY CYPRESS"** everything in **PINE** and **HEMLOCK BUILDING LUMBER.** **WRITE FOR PRICES.**

Adam Schillo Lumber Co.

Cor. Weed and Hawthorn St., CHICAGO.
Tel. North 1626 and 1627.

Ready Reference Advertising.

ADVERTISEMENTS IN THIS DEPARTMENT 10 CENTS PER LINE, CASH WITH ORDER. COPY MUST REACH US MONDAY OF THE WEEK IN WHICH IT IS TO APPEAR

ALTERNANTHERAS.

Alternantheras, red and yellow, $2 per 100; $15 per 1,000. R. Vincent, Jr., & Son, White Marsh, Md.

Alternantheras, R. C., 4 vars., $4 per 1,000. Ludvig Mosbaek, Onarga, Ill.

ALYSSUM.

Alyssum, dbl. giant, 2-in., 2c. Byer Bros., Chambersburg, Pa.

AMPELOPSIS.

Ampelopsis. Jackson & Perkins Co., Newark, N. Y.

ANTHERICUM.

Anthericums. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

ARAUCARIAS.

Araucaria Excelsa, 6-in., 16 ins., 4 whls., $1 each; $12 per doz.; 6-in., 18 ins., 4 whls., $1.25 each; $15 per doz. 7-in., 22 ins., 5 whls., $1.50 each; $18 per doz. Glauca, 5-in., 12 ins., 3 whls., $1 each; $12 per doz. 6-in., 13 to 15 ins., 3 to 4 whls., $1.25 each; $15 per doz. 7-in., 18 to 20 ins., 4 to 5 whls., $1.50 each; $18 per doz. 7-in., 22 to 24 ins., 4 to 5 whls., $2 each; $24 per doz. 9-in., 30 ins., 4 to 5 whls., $3 each. 9-in., 34 ins., 5 whls., $4 each. Robusta Com., 5-in., 10 ins., 2 whls., $1 each; $12 per doz. 6-in., 12 ins., 2 to 3 whls., $1.50 each; $18 per doz. 7-in., 28 ins., 5 whls., $3 each. 8-in., 32 ins., 5 to 6 whls., $4 each. Vaughan's Seed Store, Chicago and New York.

Araucaria Excelsa, 12 to 14 ins., 5½-in., pots, 3 to 4 trs., 2-yr. 60c; 16 to 18 ins., 5½ to 6-in. pots. 4 to 5 trs., 3-year, 75c; 18 to 20 ins., 6-in. pots, 5 to 6 trs., 4-yr., $1; 20 to 24 ins., 6-in. pots, 5 to 6 trs., 4-yr., $1.25; 36 to 50 ins., Specimen, 7-in. pots, 5 to 6 trs., 6-yr., $2.50 to $3. A. Compacta Robusta, 12 to 20 ins. high, 3 to 4 trs., 20 to 30 ins., 4 to 5-yr., 6 to 7-in., $1.25, $1.50, $1.75, $2 up to $3 each. A. Excelsa Glauca, 6 to 7-in. pots, 3, 4 and 5 trs., 15 to 25 ins., $1.25, $1.50, $1.75, $2, $2.50 each. G. Aschmann, 1012 Ontario St., Philadelphia.

Araucaria Excelsa, 5-in., 8 to 10 ins., 3 trs., 65c each; 6-in., 12 to 14 ins., 3 to 4 trs., 75c; 6-in., 14 to 16 ins., 4 trs., $1; 6-in., 16 to 18 ins., 4 trs., $1.25; 7-in., 20 to 22 ins., 5 trs., $1.50. Excelsa glauca, 5-in., 8 ins., 2 trs., 75c; 6-in., 13 to 15 ins., 3 trs., $1.25; 7-in., 22 to 24 ins., 4 to 5 trs., $2. Robusta Compacta, 6-in., 10 ins., 2 to 3 trs., $1.25; 6-in., 12 ins., 3 trs., $1.50. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Araucaria Excelsa, 4-in., 2 to 3 trs., 35c each; $4 per doz.; 5-in., 3 trs., 75c each; $9 per doz.; 6-in., 3 to 4 trs., $1 each; $12 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Araucarias, 3 to 4 trs., 85c each; $9 per doz.; $70 per 100. Good & Reese Co., Springfield, O.

Araucarias. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

Araucaria Excelsa. R. Dreyer, Woodside, L. I., N. Y.

Araucarias. L. Van Houtte Pere, Ghent, Belgium.

ASPARAGUS.

Asparagus plumosus, 2¼-in., $2 per 100; $18 per 1,000. Jos. H. Cunningham, Delaware, O.

Asparagus plumosus, 2¼-in., $2.50; 3-in., $5; 4-in., $8. Sprengeri, 2¼-in., $2.50; 3-in., $4; 4-in., $6; per 1,000, $35. All strong plants, ready for larger pots. Goshen Floral Co., Goshen, Ind.

Asparagus plumosus, 4½-in., $10 per 100; $1.35 per doz. 4-in. plumosus and Sprengeri, $1.10 per doz.; $8 per 100; $75 per 1,000; 3-in., 65c per doz.; $5 per 100; $45 per 1,000; 2¼-in., 35c per doz.; $2.50 per 100; $22.50 per 1,000. Ludvig Mosback, Onarga, Ill.

Asparagus plumosus, 2¼-in., $2.50 per 100; $22.50 per 1,000; 3-in., $5 per 100; $45 per 1,000; 4-in., $9 per 100; $85 per 1,000. Sprengeri, 2¼-in., $2 per 100; $18 per 1,000; 3-in., $4 per 100; $35 per 1,000; 4-in., $8 per 100. Good & Reese Co., Springfield, O.

Asparagus plumosus, 2-in., $3 per 100; 3-in., $6. Sprengeri, 2-in., $3 per 100; 3-in., $6; 4-in., $1.25 per doz.; 5-in., $2. Scandens Defi, 3-in., $1.50 per doz.; 4-in., $2 per doz. George Wittbold Co., 1657 Buckingham Pl., Chicago.

Asparagus plumosus, 2-in., $3 per 100; $25 per 1,000. 2½-in., $4 per 100; $40 per 1,000; 3-in., $7 per 1,000; $65 per 1,000. Strong seedlings, $1.50 per 100; $12 per 1,000. Vaughan's Seed Store, Chicago and New York.

Asparagus plumosus nanus, 15,000 fine young plants from 2¼-in. pots, worth $3, to close out, $1.50 per 100; $15 per 1,000. The W. T. Buckley Co., Springfield, Ill.

Asparagus plumosus and Sprengeri, 2-in., $3 per 100; $25 per 1,000; from bench, $2.50 per 100; $20 per 1,000. Wm. Clark, Colorado Springs, Col.

Asparagus, strong 2½-in. plumosus plants at $2 per 100. J. W. Munk & Son, Mt. Gilead, Ohio.

Asparagus plumosus, 3-in., 6c; 4-in., 10c. G. Aschmann, 1012 Ontario St., Philadelphia.

Asparagus plumosus. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

Asparagus plumosus, 3-in., $5 per 100. Sprengeri, 3½-in., $6 per 100. Scharff Bros., Van Wert, O.

Asparagus plumosus, 2¼-in., $3 per 100. John Scott, Rutland Rd. and 45th St., Brooklyn, N. Y.

Asparagus plumosus, 2-in., $3; 5-in., $25. W. H. Gullett & Sons, Lincoln, Ill.

Asparagus Sprengeri, 3-in., $5 per 100. Plumosus, 3-in., $6 per 100; 2-in., $2.50 per 100; $20 per 1,000. Wm. F. Kasting, 383 Ellicott St., Buffalo, N. Y.

Asparagus Sprengeri, 3-in., $4 per 100; $35 per 1,000. Plumosus, 3-in., $5 per 100; $45 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Asparagus Sprengeri, 2½-in., $3 per 100; $25 per 1,000. Field clumps, $6 per 100. J. W. Dunford, Clayton, Mo.

Asparagus Sprengeri, 2-in., $2.50 per 100; plumosus, 2-in., $3 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus Sprengeri, 2½-in., $4 per 100. Scheiden & Schoos, Evanston, Ill.

Asparagus Sprengeri, 2½-in., $2 per 100. Byer Bros., Chambersburg, Pa.

ASPIDISTRAS.

Aspidistras, all sizes. Write for prices. Frank Huntsman, Cincinnati, Ohio.

Aspidistras. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

AZALEAS.

Azaleas. L. Van Houtte Pere, Ghent, Belgium.

Azaleas. Jacs Smits, Ltd., Naarden, Holland.

BAY TREES.

Bay trees. A. Schultheis, 19th and 4th Ave., College Point, L. I., N. Y.

Bay trees, fine stock. R. Dreyer, Woodside, L. I., N. Y.

Bay trees. L. Van Houtte Pere, Ghent, Belgium.

BEGONIAS.

Begonia Rex. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

Begonia Rex, 2 and 2½-in., $5 per 100. Geo. M. Emmans, Newton, N. J.

Rex Begonias, 2-in., 4c. Byer Bros., Chambersburg, Pa.

Begonias. L. Van Houtte Pere, Ghent, Belgium.

BOXWOOD.

Boxwood pyramids. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

BULBS, ROOTS, TUBERS.

Bulbs, lilies, Japan longiflorum, 7 to 9 in., case of 300, $14.25; 9 to 10 in., case of 200, $15; multiflorum, 7 to 9 in., case 300, $15; 9 to 10 in., case 200, $17; giganteum, 7 to 9 in., case 300, $18.75; 9 to 10 in., case 200, $21. Lilium candidum, $5 per 100. Narcissus, Paper White grandi., 13 to 15 ctm., case of 1,250, $11.25; dbl. Von Sion, 1st size, $9 per 1,000; extra, $12; mammoth, $20; Princeps, $7 per 1,000; Golden Spur, $18; Empress, $20; Alba plena odorata, $6; Barri con., $8; Poeticus, $4.50; P. ornatus, $7. White Roman hyacinths, 12 to 15 ctm., $23 per 1,000; 13 to 15 ctm. $28. Freesia refracta alba, $7.50 per 1,000. Bermuda Buttercup, oxalis, $7.50. Spanish Iris, 4 best sorts, $5 per 1,000; mixed, $2.50. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Bulbs, freesias, Fisher's Purity, 2d grade, $2.50 per 100; $20 per 1,000. Bermuda grown, $9 per 1,000; $1.25 per 100; French grown, $10 per 1,000; $1.40 per 100; jumbo size, $12 per 1,000; $1.75 per 100. W. W. Rawson & Co., 5 Union St., Boston, Mass.

Bulbs, home-grown freesias, large size, $1 per 100; $7 per 1,000; blooming size, 75c per 100; $4.50 per 1,000; small blooming size, 50c per 100; $3.50 per 1,000. Stokes Seed Store, 219 Market St., Philadelphia.

Bulbs, Callas, 1½ to 2 in., $7 per 100; $65 per 1,000; 2 to 2½ in., $11 per 100. Roman Hyacinths, Paper Whites and freesias. Vaughan's Seed Store, Chicago and New York.

Bulbs, Romans, Paper Whites, also Dutch bulb stock in full assortment. Our prices f. o. b. Denver, are to western buyers' advantage. Barteldes Seed Co., Denver, Col.

Bulbs. L. Harrisii, R. hyacinths, P. W. narcissus, freesias. Weeber & Don, 114 Chambers St., New York.

Bulbs, nyacinths, tulips, narcissus, crocus, lilies, callas, freesias. James Vick's Sons, Rochester, N. Y.

Bulbs, hyacinths, tulips, narcissus, crocus, lilies, etc. J. M. Thorburn & Co., 36 Barclay St., New York.

Bulbs, Narcissus Empress and Henry Irving, Candidum lilies. E. F. Winterson Co., 45 Wabash Ave., Chicago.

Bulbs of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Bulbs, California grown. Leedham Bulb Co., Santa Cruz, Cal.

Bulbs of all kinds. Currie Bros. Co., 308 Broadway, Milwaukee, Wis.

Cannas, 5 vars., field-grown clump, $15 per 100. Jos. H. Cunningham, Delaware, O.

Cannas of all vars. Dingee & Conard Co., West Grove, Pa.

Cannas. John Wolf, Ott and Anderson St., Savannah, Ga.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

If you do not find what you need in our Ready Reference Department, write us about it.

Cannas, bronze, discolor, $7.50 per 1,000; $1 per 100. Robusta, $6 per 1,000; 80c per 100. Burbank, $6 per 1,000; 80c per 100. Chas. Henderson, $10 per 1,000; $1.25 per 100. Allemania, $7.50 per 1,000; $1 per 100. Tall F. Vaughan, $10 per 1,000; $1.25 per 100. Mlle. Berat, $10 per 1,000; $1.25 per 100. My selection of above, etc., per 10,000, $60. Bronze mix., yellow shades, —red, $5 per 1,000; 70c per 100; all shades, $4.50 per 1,000; 60c per 100; all shades separate, 10,000, $45. Ludvig Mosbaek, Onarga, Ill.

Lily of the valley, finest cold storage pips. H. N. Bruns, 1409-11 W. Madison St., Chicago.

Iris, German, mixed vars., $2 per 100. James Vick's Sons, Rochester, N. Y.

CAMELLIAS.

Camellias, Julius Roehrs Co., Rutherford, N. J.

CARNATIONS.

FIELD GROWN CARNATION PLANTS.
Extra Fine Stock.

	Per 100
Mrs. T. W. Lawson	$5.00
Prosperity	5.00
Fiancee	5.00
Harlowarden	5.00
Melody	5.00
Boston Market	5.00

H. W. BUCKBEE,
Rockford Seed Farms, Forest City Greenhouses, Rockford, Ill.

Carnations, field-grown, Cardinal, W. Lawson, small, $4 per 100. W. Lawson, very small, $3 per 100. Harlowarden, med., $4 per 100; very small, $2.50 per 100. Enchantress, med., $6 per 100; small, $5 per 100; very small, $4 per 100. Prosperity, good, $3.50 per 100. Fair Maid, med., $5 per 100. Skyrocket, good, $6 per 100. Glendale, good, $10 per 100. Chicago Carnation Co., Joliet, Ill.

CARNATIONS.

Pink.	100	1,000	White.	100	1,000
Fiancee	$6		B. Market.	$5	$45
Lawson	6	$50	F. Burki.	7	60
N. Fisher.	7	60	F. Hill.	5	45
G. Angel.	4	35	W. Cloud.	5	45
M. Glory.	4	35	Red and Crimson.		
White.			Chicago	$5	$45
L. Peary.	8	75	H'warden	6	50

Wietor Bros., 51 Wabash Ave., Chicago.

Carnations, Lawson, M. Glory, F. Hill, $4.50 per 100; $40 per 1,000. B. Market, Enchantress, $5 per 100; $45 per 1,000. Crusader, $5 per 100. Prosperity, $4 per 100. G. Angel, Peru, Glacier, Harlowarden, Roosevelt, $4 per 100; $35 per 1,000. Bountiful, $6 per 100. Crabb & Hunter, Grand Rapids, Mich.

Carnations, field-grown, Lawson, Estelle, $5 per 100; $40 per 1,000. Nelson, G. Angel, Flora Hill, Boston Market, Q. Louise, Higinbotham; Armazindy, $3 per 100; $25 per 1,000. M. Glory, $4 per 100; $30 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

CARNATIONS, fine large plants.

	Per 100		Per 100
Cardinal	$6	Boston Market.	$5
The Belle	6	Mrs. Patten	5
Fair Maid	6	Red Sport of	
Sunbird	6	Maceo	4

A. C. Canfield, Springfield, Ill.

Carnations, Lawson, Enchantress, $5 per 100; $40 per 1,000. B. Market, $4 per 100; $30 per 1,000. Harlowarden, Crusader, $4 per 100; $35 per 1,000. G. Angel, $3 per 100; $25 per 1,000. Scheiden & Schoos, Asbury and Warren Aves., Evanston, Ill.

Carnations, Mrs. Lawson, Avondale, Glacier, E. Crocker, Eclipse, Phyllis, etc., $6 per 100; $55 per 1,000. Enchantress, $7 per 100; $60 per 1,000. Rose pink Enchantress, $15 per 100. Nathan Smith & Son, Adrian, Mich.

Carnations, field-grown, White Perfection, $12 per 100. W. Lawson, Cardinal, The Belle, Lady Bountiful, Fiancee, $7 per 100. The Queen, F. Burki, H. Fenn, $6 per 100. F. Dorner & Sons Co., La Fayette, Ind.

Carnations. J. D. Thompson Carnation Co., Joliet, Ill.

Carnation plants, field grown, Lawson, Joost, Prosperity, Queen Louise, Boston Market, Flamingo, Harry Fenn, Lord, Enchantress, Queen, $5 per 100; $45 per 1,000. Holton & Hunkel Co., Milwaukee, Wis.

Carnations, Q. Louise, Prosperity, Harlowarden, America, Wolcott, Her Majesty, $5 per 100. Lady Bountiful, $7 per 100. Joost, Kohinoor, $4 per 100. C. H. Frey, Lincoln, Neb.

Carnations, Flamingo, $5 per 100; $45 per 1,000. Crane, $4.50 per 100; $40 per 1,000. M. Glory, Glacier, $4 per 100; $35 per 1,000. Blanksma Bros., Grand Rapids, Mich.

Carnations, field-grown, No. 1 stocky plants, Enchantress, Alaska, Mrs. Nelson, Harlowarden, Joost, Norway, $5 per 100. William L. Rock Flower Co., Kansas City, Mo.

Carnations, extra strong, healthy plants, the following varieties at $3 per 100; 600 Queen Louise, 100 Wolcott, 100 Prosperity. J. W. Munk & Son, Mt. Gilead, Ohio.

Carnations, field-grown plants, fine healthy stock, Lawson, Crusader, Boston Market, $5 per 100; $45 per 1,000. Mrs. A. M. Schafer, 229 Balmoral Ave., Chicago.

Carnations, 275 Wolcott, 150 Harlowarden, 225 Prosperity, $5 per 100; for lot, $25. Norway, $3.50 per 100; $30 per 1,000. J. W. Dunford, Clayton, Mo.

Carnations, Abundance, field-grown, 1st size, $12 per 100; $100 per 1,000; 2nd size, $10 per 100; $75 per 1,000. R. Fischer, Great Neck, L. I., N. Y.

Carnations, Victory and Robert Craig, medium, field plants, $1.50 per doz.; $12 per 100. Vaughan's Seed Store, Chicago and New York.

Carnations, field-grown, Crane, Prosperity, Joost, Queen Louise, Boston Market, $3 per 100. Fine plants. Thos. Salveson, Petersburg, Ill.

Carnation Victory, field-grown, 1st size, $15 per 100; 2nd size, $12; 3rd size, $10. Guttman & Weber, 43 W. 28th St., New York.

Carnations, field-grown, B. Market, W. Cloud, Norway, F. Hill, Joost, Lord, $5 per 100; $45 per 1,000. W. H. Gullett & Sons, Lincoln, Ill.

Carnations, field-grown, 500 Patten, 400 Enchantress, $4 per 100. 1,000 Q. Louise, $3 per 100. S. W. White, Staatsburg, N. Y.

Carnations, Enchantress, $5 per 100; $45 per 1,000. Mrs. T. Lawson, $4.50 per 100; $35 per 1,000. Eli Cross, Grand Rapids, Mich.

Carnations, Enchantress, $6 per 100; Joost, Prosperity, Wolcott, New Daybreak, $5 per 100. M. J. Schaaf, Dansville, N. Y.

Carnations, field-grown, 1,000 W. Cloud, 800 Sports, $4 per 100. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Carnations, Enchantress, $6; Prosperity, G. Lord, Q. Louise, Estelle, $5. Central Greenhouses, Sandusky, O.

Carnations, Wolcott, Prosperity, $4 per 100; $35 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Carnations, Lady Bountiful and Phyllis. E. F. Winterson Co., 45 Wabash Ave., Chicago.

Carnation Mabelle, new, $12 per 100; $100 per 1,000. H. Weber & Sons Co., Oakland, Md.

Carnations, 1,500 Lawson, 300 Crane, 3c. Good plants. Cash. Kring Bros., Fairbury, Ill.

Carnation Aristocrat, $12 per 100. Chicago Carnation Co., Joliet, Ill.

Carnations, Mrs. Joost, $5 per 100. Geo. A. Kuhl, Pekin, Ill.

Carnation, Bertha Rath. R. Dreyer, Woodside, L. I., N. Y.

Carnations, for fall delivery. Wood Bros., Fishkill, N. Y.

CHRYSANTHEMUMS.

Chrysanthemum novelties. Chas. H. Totty, Madison, N. J.

Chryanthemums. Wood Bros., Fish kill, N. Y.

Chrysanthemums, G. of Pacific, Polly Rose, Soleil d'October, Robinson, Ivory, Appleton, Pink Ivory, $3 per 100. J. Jones, Mrs. Robert McArthur, Mrs. Coombes, G. Wedding, Yellow Eaton, Monrovia, $4 per 100. Lady Roberts, A. J. Balfour, Wm. H. Chadwick, $6 per 100. Glenview, $25 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Chrysanthemums. Time yet to secure a crop of Xmas bloom; also a crop of dollars by planting the queen of late 'mums, Jeanne Nonin. Only a few thousand left of our immense stock, 4-in., 10c; 2½-in., 5c; R. C., 3c, and going fast. W. J. Olds, Union City, Pa.

CIBOTIUMS.

Cibotium Schiedei. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

COBOEA.

Coboea Scandens, 4-in., $8 per 100. Godfrey Aschmann, 1012 Ontario St., Philadelphia, Pa.

CROTONS.

Crotons, fine assort. 2¼-in., $3 per 100; $25 per 1,000. Good & Reese Co., Springfield, O.

Crotons. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

Crotons. Julius Roehrs Co., Rutherford, N. J.

CYCLAMENS.

Cyclamens, giganteum splendens, five colors, Rokoko, Low's Pioneer, Butterfly, fringed, lilac, salmon, 3-in., $6 per 100; 4-in., $10 per 100. J. Sylvester, Oconto, Wis.

Cyclamen, 3-in., $7.50 per 100; 4-in., $20. Geo. A. Kuhl, Pekin, Ill.

DAHLIAS.

Dahlias, improved Countess of Lonsdale, cactus type, 6 for $1; $1.75 per doz., $12 per 100. Arthur T. Boddington, 342 W. 14th St., New York.

Dahlia roots. R. Vincent, Jr., & Son, White Marsh, Md.

DAISIES.

Daisies, dbl., leading vars., $2.50 per 1,000. Byer Bros., Chambersburg, Pa.

Daisies. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

DEUTZIAS.

Deutzias, in variety. W. & T. Smith Co., Geneva, N. Y.

DRACAENAS.

Dracæna fragrans, 5-in., 50c each; $5 per doz.; D. indivisa, 2-in., $2.50 per 100; 6-in., 20 to 26 ins., 50c each; $5 per doz.; 7-in., 30 to 34 ins., 75c each; $9 per doz. D. Mass,, 8-in., $2 each; 9-in., $3 each. D. Ter., 4-in., 25c each; $3 per dozen; 5-in., 35c each; $4.20 per dozen. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Dracænas, Regina, 4-in., 10c. Stricta grandis, 4-in., 15c. Lady Hume, 15c. Hybrida, 15c. Amabilis, 25c. Terminalis, 12c. Siebrecht & Son, New Rochelle, N. Y.

Dracæna indivisa, field-grown, 5-in., $15 per 100; 6-in., $25 per 100. Storrs & Harrison Co., Painesville, O.

Dracæna Terminalis and Fragrans. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

Dracæna indivisa, 4 and 5 in., $10 and $25 per 100. Geo. M. Emmans, Newton, N. J.

Dracæna, Ind., 4-in., $8; 3-in., $5, 2¼-in., $2.50 per 100. Ludvig Mosbaek, Onarga, Ill.

Dracænas. Julius Roehrs Co., Rutherford, N. J.

FERNS.

Ferns, Boston and Piersoni, 4-in., 10c; 5-in., 12½c; Boston, 6 and 7-in., 15c; 3-in., 5c; Tarrytown, 3-in., 10c; 4-in., 15c; 6-in., 25c; runners, $2 per 100; Scottii, 3-in., 8c; 4-in., 12½c., 5-in., 15c. Byer Bros., Chambersburg, Pa.

Ferns, Boston, 3-in., $7.50 per 100. Geo. A. Kuhl, Pekin, Ill.

If you do not find what you need in our Ready Reference Department, write us about it.

Ferns, prepaid, Boston, 4-in., 18c; 5-in., 30c; 6-in., 45c; 8-in., $1.25; 10-in., $1.75; Pierson fern, 4-in., 20c; 5-in., 35c; 6-in., 50c; 8-in., $1.50; 10-in., $2 each. Anna Foster, same prices as Pierson fern. N. Wittboldi and N. Washingtoniensis, 2½-in., 6c; 3-in., 12c; 4-in., 25c; 6-in., 50c; 8-in., $2 each. N. Barrowsii, 2½-in., 8c; 3-in., 25c; 4-in., 40c; 6-in., 75c; 8-in., $2.50; 10-in., $4 each. N. Whitmani, 2½-in., 25c; 4-in., 60; 6-in., $1.25 each. N. Elegantissima, 2½-in., 8c each. B. N. Wichers & Co., Gretna, La.

Ferns, Boston, 2½-in., 60c per doz.; $5 per 100. 3-in., $1.50 per doz.; $10 per 100. 4-in., $2.50 per doz.; $20 per 100. 5-in., 50c each; $5 per doz.; $40 per 100. 6-in. pans, 75c each; $8 per doz.; $60 per 100. 7-in., $1 each; $10 per doz.; $75 per 100. 8-in., $1.50 each. $15 per doz. 9-in., $2 to $2.50 each. 10-in., $3 to $3.50 each. 12-in., $4 to $5 each. Ferns for dishes, asst., 2¼-in., $3 per 100; $25 per 1,000. Vaughan's Seed Store, Chicago and New York.

Ferns, Boston and Piersoni, 10-in., $2 each; $20 per doz.; 8-in., $1 each; $10 per doz. Boston, Piersoni, Anna Foster and Sword, 6-in., $5 per doz.; $40 per 100; 4-in., $2 per doz.; $15 per 100; $125 per 1,000; 3-in., $1 per doz.; $8 per 100; $75 per 1,000; 2¼-in., 50c per doz.; $3.50 per 100; $30 per 1,000. Elegantissima, 4-in., $4 per doz.; $30 per 100; 3-in., $2 per doz.; $15 per 100; $125 per 1,000; 2¼-in., $1.25 per doz.; $8 per 100; $70 per 1,000. Ludvig Mosbaek, Onarga, Ill.

Ferns, Elegantissima, 2¼-in., $4.50 per 100; $40 per 1,000; 3-in., $9 per 100; 4-in., $15 per 100; $125 per 1,000. Boston, 2¼-in., $3 per 100; $25 per 1,000; 3-in., $8 per 100; $75 per 1,000; 4-in., $15 per 100. Piersoni, 2¼-in., $3 per 100; $27.50 per 1,000; 4-in., $15 per 100. Whitmanii, 2½-in., $18 per 100; $150 per 1,000. Ferns for dishes, 10 sorts, 2-in., $3.50 per 100; $30 per 1,000. Good & Reese Co., Springfield, O.

Ferns, Boston, strong runners, $2 per 100; 5-in., $25 per 100; 6-in., $40 per 100; 7-in., $60; 8-in., $75 per 100; 10-in., $1.50 each. Piersoni, 5-in., $25 per 100; 6-in., $40 per 100; 7-in., $60. Scottii, 5-in., $25 per 100; 6-in., $40 per 100; 7-in., $60 per 100. Elegantissima, 2½-in., $5 per 100. Whitmani, young plants from bench, $10 per 100. Davis Bros., Morrison, Ill.

Ferns, Adiantum Capillus, 5-in., $2 per doz. Boston, 4-in., $1.50 per doz.; 5-in., $3; 6-in., $4.20; 6-in., strong, $6; 7-in., $9. Large specimens, $1.50, $2, $3 each. Assorted ferns for dishes, $3 per 100; $25 per 1,000. Scottii, 10-in., $2 each. Fern Balls, 7 to 9 dormant or in leaf, $4.20 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Ferns, N. Barrowsii, 6-in., 50c; 4-in., 25c. Scottii, 6-in., 50c; 5½-in., 40c; 5-in., 35c; 4-in., 20c to 25c. Boston, 4-in., 20c to 25c. Ferns for dishes, 2½-in., $5 per 100; 3-in., 7c. G. Aschmann, 1012 Ontario St., Philadelphia.

Ferns, Scottii, small plants, from benches, $5 per 100; $50 per 1,000. Plants for 6-in. pots, $25 per 100; plants for 7 and 8-in. pots, $50 per 100. John Scott, Rutland Rd. and 45th St., Brooklyn, N. Y.

Ferns, N. Piersoni Elegantissima, 2¼-in. pots, $12 per 100; specimen plants, 6-in., $1 each; 8-in., $2; 10-in., $3; 12-in., $5; 14-in., $7.50; 16-in., $10. F. R. Pierson Co., Tarrytown-on-Hudson, N.Y.

Ferns, mixed for ferneries, 2¼-in. pots (no adiantums or Boston ferns), $2.50 per 100. Cash with order. Wm. A. Clark & Son, 44 Bond St., Watertown, N. Y.

Ferns, Bird's Nest, Scottii, Elegantissima, Piersoni, Boston, Johnsoni, Fern balls. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

Ferns, N. Whitmani, 2¼-in., $25 per 100. Boston, 2¼-in., $3 per 100. H. H. Barrows & Sons, Whitman, Mass.

Ferns, Boston, 4-in., 10c; 6-in., 30c; 8-in., 60c. Cash with order. Michler Bros. Co., Lexington, Ky.

Ferns, all leading varieties. R. Dreyer, Woodside, L. I., N. Y.

Ferns, Farleyense. Julius Roehrs Co., Rutherford, N. J.

Ferns, Boston, from bench, for 4 and 5-in., $10 and $15 per 100. J. W. Dunford, Clayton, Mo.

Ferns, Boston, Piersoni, Elegantissima, Scottii, cheap. W. W. Coles, Kokomo, Ind.

Ferns, Boston, 5-in., 30c each. Piersoni, 6-in., 50c. each. Geo. M. Emmans, Newton, N. J.

Ferns, from $2 to $24 per doz. in 2 to 6-in. pots. C. H. Totty, Madison, N. J.

Ferns, Bostons, splendid stock at 25c. Holton & Hunkel Co., Milwaukee, Wis.

Ferns, Boston, 4 and 5-in. John Wolf, Ott and Anderson St., Savannah, Ga.

Fernery ferns, 2½-in., at $3 per 100. Holton & Hunkel Co., Milwaukee, Wis.

FICUS.

Ficus elastica, 5-in., 12 to 14 ins., $5 per doz.; $40 per 100. Vaughan's Seed Store, Chicago and New York.

Ficus, 10 to 15 ins., $25 per 100; 15 to 18 ins., $30 per 100. Good & Reese Co., Springfield, O.

Ficus elastica, 6-in., 50c each. G. Aschmann, 1012 Ontario St., Philadelphia.

Ficus. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

Ficus, 4 and 5-in., 15c and 25c. Byer Bros., Chambersburg, Pa.

Ficus, 5-in., 35c. Geo. A. Kuhl, Pekin, Ill.

GARDENIAS.

Gardenia Veitchii. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

GERANIUMS.

Geraniums, from 2-in. pots. Alliance, Lemoine 1905, 25c each; $2 per doz. Fleuve Blanc, $1.50 per doz.; $10 per 100. Cactus, 4 vars., $2 per doz.; $15 per 100. Double Dryden, $1 per doz.; $5 per 100. Nutt, La Pilote, Poitevine, Mme. Barney, Centaure, Kendall, Mme. Jaulin, Viaud, Mme. Charlotte, 40c per doz.; $2 per 100; $18 per 1,000. Ville de Poitiers, M. de Castellane, Berthe de Presilly, M. Jolly de Bammeville, T. Meehan, 50c per doz.; $3 per 100; $25 per 1,000. R. Vincent, Jr. & Son, White Marsh, Md.

Geraniums, rooted cuttings, Nutt, Perkins, Buchner, Doyle, $1.25 per 100; $12.50 per 1,000. Viaud, Jaulin, Poitevine, L. Francis, Ricard, Castellane, Trego, $1.50 per 100; $15 per 1,000. Peter Henderson, $2 per 100; $20 per 1,000. Fleuve Blanc, $5 per 100; $50 per 1,000. Field plants, Nutt. Castellane, Ricard, ready for 3-in., $2 per 100. A. M. Herr, Lancaster, Pa.

Geraniums, S. A. Nutt, Castellane, John Doyle, Perkins, Double Gen. Grant, La Favorite, Poitevine, Mme. Salleroi, 2-in. pots, $2 per 100; 3-in. pots, $4 per 100. R. C., $1 per 100. Geo. M. Emmans, Newton, N. J.

Geraniums, standard vars., stock plants, $5 per 100; rooted cuttings, per 1,000, $10; from 2¼-in., $18 per 1,000; $2 per 100. Ludvig Mosbaek, Onarga, Ill.

Geraniums, Mrs. Hill, Poitevine, Trego, Buchner, strong 2½-in., $1.50 per 100. The W. T. Buckley Co., Springfield, Ill.

GLOXINIAS.

Gloxinias. L. Van Houtte Pere, Ghent, Belgium.

GREENS.

Greens, dagger and fancy ferns, $1 per 1,000. Bronze and green galax, $1 per 1,000; 10,000 lots, $7.50. Bouquet green, per 100 yds., $7. Laurel festooning, 5c and 6c per yd. Laurel wreaths, $3 per doz.; branch laurel, per bunch, 50c. Boxwood, per lb., 20c. Leucothoe sprays, per 100, $1. Green and Spaghnum moss, $1 per barrel. Lyrata (new). H. M. Robinson & Co., 8 Province St., Boston, Mass.

Greens, galax, leaves, ferns and leucothoe sprays, holly. Princess pine, all kinds of evergreens. Galax leaves, $1 per 1,000. N. Lecakes & Co., 53 W. 28th St., New York.

Greens, of all kinds, holly and other wreaths, wreathing, etc. We wish to buy in car lots—holly, mistletoe, southern smilax, needle pine, magnolia, sago and other palm leaves. H. Woods, 127 S. Water St., Chicago.

Decoration Material, fancy fern leaves, also galax, green sheet moss, etc. Ask for latest price list. Barteldes Seed Co., Denver, Col.

Greens, cut palmetto and cycas palm leaves, galax, leucothoe, ferns, mosses and all decorating evergreens. The Kervan Co., 20 W. 27th St., New York.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 52 W. 28th St., New York.

Greens, fancy ferns, $1 per 1,000. Galax, $1.25. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. A. J. Fellouris, 52 W. 28th St., New York.

Greens, galax, 60c per 1,000; $5 per case of 10,000; $2.75 per case of 5,000. C. W. Brooks, Laurelbranch, N. C.

Greens, fancy or dagger ferns, 75c. Perkins, Newark, N. J.

Greens, fadeless sheet moss and wild smilax. E. A. Beaven, Evergreen, Ala.

HARDY PERENIALS.

Hardy perennials, Aster Novæ-Angliæ, 2-yr., 40c per 10; $3 per 100. Rudbeckia, laciniata, 2-yr., 40c per 10; $3 per 100. Dianthus barbatus, 2-yr., 50c per 10; $3.50 per 100; Chinensis grandi., 2-yr., 50c per 10; $4 per 100. Calliopsis lanceotata, 2-yr., 40c per 10; $3 per 100. Phlox, separate colors, 2-yr., 50c per 10; $4 per 100; mixed seedlings, 2-yr., 40c per 10; $3 per 100. Valley Farms Nursery Co., Brookfield, Center, Conn.

Herbaceous perennials, 967 varieties. Bay State Nurseries, North Abington, Mass.

Phlox, iris, pinks, etc. Vick & Hill, Rochester, N. Y.

HIBISCUS.

Hibiscus Syriacus Meehani. P. J. Berckmans Co., Inc., Augusta, Ga.

HOLLYHOCKS.

Hollyhocks, from seed bed, $1 per 100; $8 per 1,000. Geo. Engel, Xenia, O. Welch Bros., 226 Devonshire St., Boston.

HONEYSUCKLES.

Honeysuckles, 4-in. pots, $8 per 100. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

HYDRANGEAS.

Hydrangea rosea, 3-in., $1 per doz.; $8 per 100. Otaksa and Thos. Hogg, 4-in., 2 to 3 branches, $10 per 100; 3 to 4 branches, $15 per 100. Vaughan's Seed Store, Chicago and New York.

Hydrangeas, Hortensia and Otaksa, 6 to 7-in., $12 per 100; specimens for 10 to 12-in., $60 per 100. Storrs & Harrison Co., Painesville, O.

Hydrangea Otaksa, field-grown, $1.50 and $2 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Hydrangea otaksa, pot-grown, 4-in., $8 and $9 per 100. Mrs. Chas. W. Reimers, 529 4th Ave., Louisville, Ky.

Hydrangea Arborescens Alba Grandi. E. G. Hill Co., Richmond, Ind.

Hydrangeas. Jackson & Perkins Co., Newark, N. Y.

IVY.

Ivy, hardy English, $2 per 100; $15 per 1,000. R. Vincent, Jr. & Son, White Marsh, Md.

Ivy, English. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

JERUSALEM CHERRIES.

Jerusalem cherries, 3½-in. in bloom, $4 per 100. J. W. Dunford, Clayton, Mo.

Jerusalem cherries, field-grown, 4-in., 3c. Byer Bros., Chambersburg, Pa.

If you do not find what you need in our Ready Reference Department, write us about it.

MARANTAS.

Maranta Lietzii, 2½-in., $1 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

MUSHROOM SPAWN.

Mushroom Spawn, pure culture spawn, and importers of English mushroom spawn. Knud Gundestrup & Co., 4273 Milwaukee Ave., Chicago.

Mushroom spawn, fresh new culture spawn always in stock for quick delivery at eastern prices. Barteldes Seed Co., Denver, Col.

Mushroom spawn, Columbia, Alaska, Bohemia. Cochran Mushroom & Spawn Co., 911 Chemical Bldg., St. Louis, Mo.

Mushroom Spawn, English and pure culture. Weeber & Don, 114 Chambers St., New York.

Mushroom Spawn, frequent importations from England. J. J. Styer, Concordville, Pa.

NURSERY STOCK.

Nursery stock, Betula populifolia, 8 to 10, $5 per 10; $45 per 100; 10 to 12, $7 per 10; $65 per 100. Populus fastigiata, 16 to 18, $12.50 per 10; $110 per 100. Platanus occidentalis, 12 to 14, $15 per 10; $100 per 100. Euonymus Americanus, 4 to 5, $2 per 10; $16 per 100. Ligustrum ovalifolium, 3 to 4, 50c per 10; $4.00 per 100; 4 to 5, 65c per 10; $6 per 100; 5 to 6, 80c per 10; $7.50 per 100; 7 to 8, $1.20 per 10; $10 per 100. Valley Farms Nursery Co., Brookfield Center, Conn.

Nursery stock, hothouse, grape vines, fine, strong 2 and 3 year old canes, Black Hamburg, Muscat, Alexander and other varieties. Rose Hill Nurseries, New Rochelle, N. Y.

Nursery stock, shade trees, fruit trees, small fruits, shrubs, clematis, Barberry Thunbergii. W. & T. Smith Co., Geneva, N. Y.

Nursery stock, trees and shrubs. Price list on application. Peterson's Nursery, 503 W. Peterson Ave., Chicago.

Nursery Stock, Car. poplars, peach trees, 1-yr. apple trees, good assortment. Giles County Nursery Co., Pulaski, Tenn.

Nursery stock, evergreen and deciduous flowering shrubs and vines. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, Biota aurea nana, conifers, oranges, etc. P. J. Berckmans Co. (Inc.), Augusta, Ga.

Nursery stock, pot-grown shrubs, conifers and ornamental stock. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, large trees, oak, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, plants and shrubbery of all kinds. Dingee & Conard Co., West Grove, Pa.

Nursery stock, peach trees, commercial sorts. A. D. Pratt, Pittsford, N. Y.

ORANGES.

Orange Otaheite, 2¼-in., $3 per 100; $27.50 per 1,000; 3-in., $5 per 100; 4-in., $10 per 100. Good & Reese Co., Springfield, O.

ORCHIDS.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England; New York office, room 1, 235 Broadway.

Orchids, C. Dowiana, C. Gigas, C. Mossiæ, C. Percivaliana, C. Speciosissima, C. Eldorado, C. superba, C. labiata, C. Leopoldii. Lager & Hurrell, Summit, N. J.

Orchids, Cattleya Trianæ, Orchid peat. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

Orchids, Cattleya Gigas. Jno. De Buck, Box 78, College Point, L. I., N. Y.

PALMS.

Palms, Cycas Rev., 3 sizes, 75c, $1, $1.25 each. Good & Reese Co., Springfield, O.

Palms, Kentia Bel., 5-in., 5 to 6 lvs., 18 to 20 ins., 75c each; $9 per doz.; $70 per 100. 6-in., 6 lvs., 20 to 22 ins., $1 each; $12 per doz. 6-in., 6 to 7 lvs., 24 ins., $1.25 each; $15 per doz. 7-in., 6 lvs., 26 to 28 ins., $1.50 each; $18 per doz. 7-in., 6 lvs., 28 to 30 ins., $2 each; $24 per doz. 7-in., 6 to 7 lvs., 32 to 34 ins., $2.50 each; $30 per doz. 7-in., 6 to 7 lvs., 35 ins., $3 each; $36 per doz. 8-in., 6 to 7 lvs., 40 ins., $3.50 each. 8-in., 6 to 7 lvs., 40 ins., heavy, $4 each. 9-in., tubs., 7 lvs., 36 to 40 ins., heavy, $5 each. 9-in., 7 lvs., 50 ins., heavy, $8 each. 12-in. pots, 8 lvs., 55 to 60 ins., heavy, $12 each. Kentia Fors., 3-in., 8 to 10 ins., $2 per doz.; $15 per 100. 4-in., 5 to 6 lvs., 15 to 16 ins., $4 per doz.; $30 per 100. 5-in., 5 to 6 lvs., 24 ins., 75c each; $9 per doz. 6-in., 5 to 6 lvs., 26 to 30 ins., $1 each; $12 per doz. 6-in., 6 lvs., 28 to 30 ins., $1.25 each; $15 per doz. 6-in., 6 lvs., 34 to 36 ins., $1.50 each; $18 per doz. 7-in., 6 lvs., 36 to 40 ins., $2 each; $24 per doz. 8-in., 5 to 6 lvs., 45 ins., $3 each; $36 per doz. 8-in., 6 to 7 lvs., 45 to 50 ins., $3.50 each. 8-in., 6 to 7 lvs., 50 to 55 ins., $4 each. 9-in., 6 lvs., 55 to 60 ins., $4.50 each. 10-in. tubs, 6 to 7 lvs., 65 ins., $6 each. 10-in., 6 to 7 lvs., 70 ins., $7 each. 12-in. pots, 6 lvs., 75 ins., $8 each. Made-up Fors., 8-in., 3 plants in pot, 40 ins., $3 each. 8-in., 3 plts., 40 to 45 ins., $3.50 each. 9-in., 3 plts., 50 ins., $4 each. 9-in., 3 plts., 55 ins., $4.50 each. 9-in., 3 plts., heavy, 60 ins., $5.50 each. 9-in. tubs, 3 plts., heavy, 65 ins., $6 each. 9-in., tubs, 3 plts., heavy, 70 ins., $7 each. 10-in., 5 plts., 55 ins., $6 each. Cycas Revoluta, 1 to 6 lbs., 50c per lb. Vaughan's Seed Store, Chicago and New York.

Palms, Areca lutescens, 5-in., 50c each; $5 per doz. Cocos, 2½-in., $1.50 to $1.75 per doz.; C. Bonetti, specimens, $40 each. Kentia Bel., 3-in., $2 per doz.; 6-in., xx, $1.25 each, $15 per doz.; Kentia Fors., 5-in., 60c each, $7.20 per doz., 6-in., $1.25 each, $15 per doz.; 7-in., $2 each, $24 per doz. Phœnix Can., 2-in., $1 per doz.; 5-in., $5 per doz.; 10-in., $3 each; large specimens. Phœnix Recli, 3½-in., $2 per doz.; 4-in., $3 per doz.; 6-in., 50c each, $6 per doz.; 7-in., 75c each. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Palms, Kentia Fors., 6-in. pots, 35 to 40 ins., $1.25 to $1.50; 30 to 35 ins., 4-yr., $1; 5½-in., 25 to 30, 3-yr., 75c; 4-in., made-up, 3 plants to pot, 18 to 20 ins., 25c to 30c. K. Bel., 6-in., 5 to 6 leaves, 30 to 35 ins., $1.25; 5½ to 6 ins., 5 to 6 leaves, 75c to $1. K. Fors., 7-in., made-up, 22 to 24 ins., $2 each. Cocos Wed., 15c. Areca Lutescens, made-up, 4-in. pots, 25c. G. Aschmann, 1012 Ontario St., Philadelphia.

Palms, Kentia Fors. and Bel., Phoenix Can., Cycas Revoluta, Livistona sinensis, Areca Lutescens. A. Schultheis, 19th St., and 4th Ave., College Point, L. I., N. Y.

Palms, Kentia, 3-in., $10 per 100. Phœnix Can., 4-in., $15 per 100. Ludvig Mosbaek, Onarga, Ill.

Palms of all kinds. R. Dreyer, Woodside, L. I., N. Y.

Palms. L. Van Houtte Pere, Ghent, Belgium.

Palms. P. J. Berckmans Co. (Inc.), Augusta, Ga.

PANDANUS.

Pandanus Veitchii. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

Pandanus utilis, 4-in., 25c. Siebrecht & Son, New Rochelle, N. Y.

PANSIES.

Pansies, International, English prize, Parisian, Giant Trimardeau, Odier, $3 per 1,000; 100 by mail, 50c. F. A. Baller, Bloomington, Ill.

Pansy seedlings, Intern., $3 per 1,000; 50c per 100; transp., $6 per 1,000; 75c per 100. Ludvig Mosbaek, Onarga, Ill.

Pansies, $3 per 1,000; 50c per 100. Jos. H. Cunningham, Delaware, O.

Pansies, giant prize, mixed colors, $3 per 1,000. Peter Brown, Lancaster, Pa.

Pansies, giant, $3 per 1,000. Byer Bros., Chambersburg, Pa.

PEONIES.

Peonies, Eclatante, Ne Plus Ultra, Rubra Triumphans, $2 per doz.; $12 per 100. Beresford, Delachii, Queen Victoria, Rosamond, Washington, $2.50 per doz.; $15 per 100. Delicatissima, $4.50 per doz.; Festiva Alba, $3.50 per doz.; $25 per 100. Festiva Maxima, La Tulipe, $5 per doz.; $35 per 100. Floral Treasure, G. Harvest, $4.50 per doz.; $30 per 100. Globosa, $1.50 per doz.; $10 per 100. Grandi, Rubra, $4 per doz.; $20 per 100. Humei, $1.50 per doz.; $10 per 100. Marie Lemoine, $4 per doz.; $25 per 100. Offi. Rubra Plena, $1.50 per doz.; $8 per 100; $75 per 1,000. Somerset, $3 per doz.; $20 per 100. Mixed vars., per 100, $8; per 1,000, $75. James King Nursery, Elmhurst, Ill.

Splendid collection of peonies. Send 25c in stamps for each of the following: Peony and Phlox Manuals, and all about Evergreens. C. S. Harrison's Select Nursery, York, Neb.

Peonies, Dorchester, 3 and 5 eye div., $25 per 100. Queen Victoria, $12 per 100; $100 per 1,000. Storrs & Harrison Co., Painesville, O.

Peonies, Queen Victoria, $9 per 100. Festiva Maxima, $30 per 100; Fragrans, $6 per 100. G. H. Wild, Sarcoxie, Mo.

Peonies, asst. to color, 3 to 5 eyes, $7.50 per 100; 5 to 7 eyes, $10 per 100. Good & Reese Co., Springfield, O.

Peonies, 6 choice kinds, all colors, $8 per 100; $75 per 1,000. F. A. Baller, Bloomington, Ill.

Peonies. Wholesale grower of the best varieties. J. F. Rosenfield, West Point, Neb.

Peonies a specialty. Peterson Nursery, 503 W. Peterson Ave., Chicago.

Peonies, leading vars. Jackson & Perkins Co., Newark, N. Y.

Peonies, all vars. Jacs Smits, Ltd., Naarden, Holland.

Peonies. W. & T. Smith Co., Geneva, N. Y.

PEPPERS.

Peppers, Celestial or Xmas., 4-in., $1.25 per doz.; $10 per 100. 5-in., $2 per doz.; $15 per 100. Vaughan's Seed Store, Chicago and New York.

Celestial peppers. 3-in., $5; 5-in., $10; 8-in., $25. Geo. A. Kuhl, Pekin, Ill.

Peppers, 4-in., bushy, $12 per 100. Storrs & Harrison Co., Painesville, O.

POINSETTIAS.

Poinsettias, 2½-in., $5; 3-in., $7.50; 4-in., $12.50. Geo. A. Kuhl, Pekin, Ill.

PRIMULAS.

Primulas, Obconica grandi., fimbriata, etc., 2½-in., $3.50 per 100; 4-in., $6 per 100. Chinese, Vaughan's Intern. 3-in., $5 per 100; 4-in., $10 per 100. J. Sylvester, Oconto, Wis.

Primulas, Chinensis, 2½-in., $3 per 100. Obconica Grand., 2½-in., $2.50 per 100. Storrs & Harrison Co., Painesville, O.

Primroses, obconica alba and rosea, $2 per 100; $18 per 1,000. Jos. H. Cunningham, Delaware, O.

Primroses, Chinese, 4-in. pots, $10 per 100. G. Aschmann, 1012 Ontario St., Philadelphia.

Primula obconica, 2¼-in., $2.50 per 100; $20 per 1,000. Good & Reese Co., Springfield, O.

Primula obconica grandi., $2.50 per 100; $20 per 1,000. E. G. Hill Co., Richmond, Ind.

Primula obconica. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

Primrose, Baby, 2½-in. pots, 4c each. The Dingee & Conard Co., West Grove, Pa.

Primroses, Chinese, 2-in., 1½c. Byer Bros., Chambersburg, Pa.

Primula obconica and Chinese, 2-in., $5. Geo. A. Kuhl, Pekin, Ill.

PRIVET.

Privet, California, the best. R. Dreyer, Woodside, L. I., N. Y.

If you do not find what you need in our Ready Reference Department, write us about it.

RHODODENDRONS.

Rhododendrons. Jacs Smits, Ltd., Naarden, Holland.

ROSES.

Roses, Baby Rambler, 2½-in., $3.50 per 100; $30 per 1,000; 4-in., $3 per doz., $25 per 100. Lady Gay, 2½-in., $1.50 per doz., $10 per 100, $90 per 1,000. Helen Good, 2½-in., $3.50 per doz., $25 per 100, $200 per 1,000. Killarney, 2½-in., 75c per doz.; $6 per 100. Kaiserin, Carnot, 2½-in., $3 per 100; $27.50 per 1,000. M. Cochet, white and pink, 2½-in., $3 per 100; $25 per 1,000. Soupert, 2½-in., $2.50 per 100; $22.50 per 1,000. Hermosa, 2½-in., $3 per 100; $25 per 1,000. Gruss an Teplitz, 2½-in., $3 per 100; $27.50 per 1,000. Field-grown C. Ramblers, xx, 5 to 8 canes, $2 per doz.; $15 per 100; $120 per 1,000; No. 1, 4 to 6 canes, $1.50 per doz.; $12 per 100; $100 per 1,000; No. 2, 2 to 4 canes, $1 per doz.; $6.50 per 100; $60 per 1,000. Good & Reese Co., Springfield, O.

Roses, Baby Rambler, 1st size, 2 yr., $3 per doz.; $25 per 100; $200 per 1,000. 2nd size, 2 yr., $2.50 per doz.; $20 per 100; $150 per 1,000; 1st size, 1 yr., $2 per doz.; $15 per 100; $120 per 1,000. Pot-grown in bud and bloom, 3-in. pots, $1.50 per doz.; $12 per 100. 4-in., $3 per doz.; $20 per 100. 5-in., $5 per doz.; $40 per 100. 6-in., $6 per doz.; $50 per 100. Etoile de France, 1-yr., dormant, $2 per doz.; $15 per 100. Richmond, 2½-in., $7 per 100; $60 per 1,000; 3-in., $8 per 100; $75 per 1,000; 4-in., $12 per 100; $100 per 1,000. Killarney, 3-in., $8 per 100; $75 per 1,000; 4-in., $12 per 100; $100 per 1,000. Vaughan's Seed Store, Chicago and New York.

Roses, Richmond, 2¼-in., $5 per 100; $40 per 1,000; 3½-in., $6.50 per 100; $55 per 1,000. Beauty, 3-in., $5 per 100; $40 per 1,000; 3½-in., $6.50 per 100; $55 per 1,000. Chatenay, Uncle John, 2½-in., $3.50 per 100; $30 per 1,000; 3½-in., $5 per 100; $45 per 1,000. G. Gate, 2½-in., $3.50 per 100; $30 per 1,000; 3½-in., $4.50 per 100. Kaiserin, 2½-in., $3.50 per 100; $30 per 1,000; Sunrise, 3½-in., $5.50 per 100; $50 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Roses, Annie Muller, new pink B. Rambler, $10 per doz. Baby Rambler, Crimson, $2.50 per doz.; $20 per 100. Imported stock, $2.25 per doz.; $17.50 per 100. Imported standard form, 2½ ft., $10 per doz. Lady Gay, $6 per doz. Perennial Gardens Co., Toledo, O.

Roses, grafted, Killarney, 3½-in. pots, $15 per 100. Liberty, Kaiserin, Maids, 3½-in., $12 per 100. Own root, Richmond, Perle, 3-in., $6 per 100. Bride, Maid, G. Gate, Kaiserin, Liberty, Wootton, 3-in., $4 per 100. J. L. Dillon, Bloomsburg, Pa.

Roses, Bride, Maid, G. Gate, Ivory, Meteor, Perle, Kaiserin, Richmond, Chatenay, Carnot, Wootton, Gen. MacArthur, 2x2½-in., $2.50; 2½x3-in., $4. Geo. A. Kuhl, Pekin, Ill.

Roses, field-grown, Magna Charta, C. Rambler, P. Neyron, Dorothy Perkins, etc., $12 per 100; $100 per 1,000. Storrs & Harrison Co., Painesville, O.

Roses, Bride, Maid, Richmond, Chatenay, 3-in., $4 per 100; $35 per 1,000; 2¼x3 Bride and Maid, $2 per 100. W. H. Gullett & Sons, Lincoln, Ill.

Roses, Liberty, 3-in., $4 per 100; $35 per 1,000. Chatenay, 2½-in., $4 per 100; $35 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

Rose, Queen Beatrice, finest forcing pink, to be disseminated spring of 1907. F. H. Kramer, 916 F St., N. W., Washington, D. C.

Roses, from 2½-in. pots, Ivory, G. Gate, Bride, Maid, Chatenay. Mrs. J. W. Crouch, 709 Market St., Chattanooga, Tenn.

Roses, C. Soupert, Marie Pavie, C. Rambler, Dorothy Perkins. P. J. Berckmans Co. (Inc.), Augusta, Ga.

Roses, H. P. varieties, C. and W. Ramblers, Dorothy Perkins. A. D. Pratt, Pittsford, N. Y.

Rose Pink Enchantress, $7 per 100; $60 per 1,000. S. S. Skidelsky, 824 N. 24th St., Philadelphia.

Roses, 2½-in., C. Rambler, etc., $2 per 100; $15 per 1,000. C. M. Niuffer, Springfield, O.

Roses, over 1,000 vars. on own roots, all sizes. Dingee & Conard Co., West Grove, Pa.

Roses, Bride and Maid, 3-in., $4 per 100. Ludvig Mosbaek, Onarga, Ill.

Roses, 4-in. pots. Muskogee Carnation Co., Muskogee, Ind. Ter.

Roses, field-grown for forcing. W. & T. Smith Co., Geneva, N. Y.

Roses, climbing plants. Jacs Smits, Ltd., Naarden, Holland.

Roses, 101 sorts. Leedle Floral Co., Springfield, O.

Roses, from 3-in. pots. Wood Bros., Fishkill, N. Y.

Roses, Jackson & Perkins Co., Newark, N. Y.

SANSEVIERIAS.

Sansevieria Zey., 4-in., $15 per 100; 3-in., $8. Ludvig Mosbaek, Onarga, Ill.

SEEDS.

Seeds, palm, Kentia Fors., K. Bel., $1.25 per 1,000. Canterburyana, $3 per 1,000. Moorei, $12 per 1,000. Areca Baueri, $1 per 1,000. Seaforthia elegans, 50c per 1,000. Livistona australis, 50c per 1,000. Bacularia monostachya, $1.50 per 1,000. Gymnostachys anceps, $2 per 1,000. Calamus Muelleri, $1.50 per 1,000. Tree seeds, Castanospermum australe, $5 per 1,000. Araucaria excelsa, $1.25 per 1,000. J. Staer, Wahroonga, N. S. W., Australia.

Seeds, Asparagus, A. plumosus nanus. Northern greenhouse grown seed, 100 seeds, 60c; 250 seeds, $1.25; 1,000 seeds, $4.50. Southern greenhouse grown, 1,000 seeds, $2.50; 5,000 seeds, $10. A. plumosus robustus, 100 seeds, $1; 1,000 seeds, $9. Decumbens, 100 seeds, 50c; 1,000 seeds, $4. Comorensis, 100 seeds, $1; 1,000 seeds, $7.50. Cash discount 2 per cent. Vaughan's Seed Store, Chicago and New York.

Seeds, sweet peas, Earliest White, per pkt., (40 seeds) 25c; 5 pkts., 75c net. ½ size pkts., 15c; 2 pkts., 25c; 10 pkts., 75c. Burpee's Earliest of All, per oz., 10c; ¼ lb., 30c; per lb., $1. W. Atlee Burpee & Co., Philadelphia.

Seeds, L. C. Nungesser, Griesheim near Darmstadt, Germany, exporter and importer. Specialties: Selected grass and clover seeds, alfalfa of Provence and Turkestan; free from dodder and cuscuta. Crimson clover.

Seeds, Giant Market Pansy, ¼ oz., $2.50; 1 oz., $8. Our Florist Strain German Pansy mixed, 1 oz., $1. Ask for complete list florist seeds and supplies. Barteldes Seed Co., Denver, Col.

Seeds, Suhr's genuine Danish Cauliflower, Dwarf Erfurter and Danish Giant; Cabbage, Danish Ball Head. Wholesale only. Write for particulars. E. Suhr, Copenhagen, Denmark.

Seeds, cineraria, large fld., mixed and semi-dwf. mixed, tr. pkt., 50c. Pansy mixed, oz., $4.50; ¼-oz., $1.15; ⅛-oz., 60c. W. C. Beckert, 103 Federal St., Allegheny, Pa.

Seeds, True Blue Rocky Mountain Columbine seed, new crop now ready, ¼ oz., 40c; 1 oz., $1.25. Barteldes Seed Co., Denver, Col.

Seeds, Araucaria imbricata, $10 per 1,000. Funtumia elastica, $5 per 100. Jules Van Mol, rue Goffart 27, Brussels, Belgium.

Seeds, all kinds, specialties, onion, carrot, lettuce, sweet peas. Pacific Seed Growers' Co., 109 Market St., San Francisco.

Seeds, Asparagus plumosus, per oz., $1; per lb., $14; 5 lbs., $55; 10 lbs., $100. F. G. Taylor Seed Co., Glendale, Cal.

Seeds, all kinds of vegetable and flower seeds. C. C. Morse & Co., 171 Clay St., San Francisco.

Seeds, Asparagus plumosus, $3.50 per 1,000 seeds. J. M. Thorburn & Co., 33 Barclay St., New York.

Seeds, 5,400 acres of garden seeds in cultivation. Braslan Seed Growers' Co., San Jose, Cal.

Seeds of all kinds. Stokes Seed Store, 219 Market St., Philadelphia.

Seeds of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Seeds, Danish cauliflower and cabbage seed. Hjalmar Hartmann, 31 Barclay St., New York.

Seeds, pansy, 1,000 seeds, mixed, 25c; 1 oz., $2.25. H. Wrede, Luneburg, Germany.

Seeds. W. Atlee Burpee Co., Philadelphia, Pa.

Seeds, Snowball cauliflower. R. Wiboltt, Nakskov, Denmark.

SELAGINELLAS.

Selaginella Denticulata, 3-in., $1 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

SMILAX.

10,000 Smilax. Good strong plants from 2¼-in. pots, to close out, 75c per 100; $6 per 1,000. The W. T. Buckley Co., Springfield, Ill.

1,000 Smilax, 3-in., fine stocky plants; cut-back, $2.00 per 100. Stover Floral Co., Grandville, Mich.

Smilax, 3-in., 3 times cut back, $3 per 100; 2¼-in., $2. W. H. Gullett & Sons, Lincoln, Ill.

Smilax, 2-in., strong, $1 per 100; $9 per 1,000. C. Humfeld, Clay Center, Kan.

Smilax, $2 per 100; $15 per 1,000. R. Vincent, Jr. & Son, White Marsh, Md.

Smilax, 2-in. pots, $1 per 100. West End Greenhouses, Lincoln, Ill.

Smilax, $1 per 100; $9 per 1,000. Jos. H. Cunningham, Delaware, O.

Smilax, Wood Bros., Fishkill, N. Y.

SNAPDRAGONS.

Snapdragons, 3½-in., $5 per 100; $45 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

SPIREAS.

Spirea Van Houttei. W. & T. Smith Co., Geneva, N. Y.

Spireas. Jacs Smits, Ltd., Naarden, Holland.

STEVIAS.

Stevia serrata, field, 4c. Byer Bros., Chambersburg, Pa.

VINCAS.

Vinca, field-grown, 1st size, $6 per 100; 2d, $3 per 100. Ludvig Mosbaek, Onarga, Ill.

Vinca Var., from field, $5 per 100. Jos. H. Cunningham, Delaware, O.

VIOLETS.

Violets, Gov. Herrick, new single violet, good keeper; rooted cuttings, $2 per doz.; $10 per 100; $75 per 1,000; 5,000 or more, $60 per 1,000. H. R. Carlton, Willoughby, O.

Violets, field-grown, clumps, Prince of Wales and California, $4 per 100. Mrs. Chas. W. Reimers, 329 4th Ave., Louisville, Ky.

Violets, Lady Campbell, field-grown, $20 per 1,000. J. M. Bramham, Waldrop, Va.

Violets, California, large clumps, $5 per 100. J. W. Dunford, Clayton, Mo.

Violets. Wood Bros., Fishkill, N. Y.

WHOLESALE CUT FLOWERS.

Commission Dealers.

Allen J. K., 106 W. 28th St., New York.

Amling, E. C., 32-36 Randolph St., Chicago.

Berning, H. G., 1402 Pine St., St. Louis.

Cleveland Cut Flower Co., 215 Huron road, Cleveland, O.

Deamud, J. B., Co., 51 Wabash Ave., Chicago.

Flower Growers' Market, 60 Wabash Ave., Chicago.

Ford Bros., 48 W. 28th St., New York.

Froment, Horace E., 57 W. 28th St., New York.

Guttman, Alex. J., 43 W. 28th St., N. Y.

Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Henshaw, A. M., 52 W. 28th St., New York.

If you do not find what you need in our Ready Reference Department, write us about it.

Horan, Edward C., 55 W. 28th, N. Y.
Hunt, E. H., 76 Wabash Ave., Chicago.
Kennicott Bros. Co., 40-44 Randolph St., Chicago.
Kessler, Phil. F., 55 W. 26th St., N. Y.
Kuehn, C. A., 1122 Pine St., St. Louis.
Langjahr, Alfred H., 55 W. 28th St., New York.
McCullough's Sons Co., J. M., 316 Walnut St., Cincinnati, O.
McKellar, Chas. W., 51 Wabash Ave., Chicago.
McKissick, W. E., 1221 Filbert St., Philadelphia.
Pennock-Meehan Co., 1608-18 Ludlow St., Philadelphia.
Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.
Murdoch, J. B. & Co., 545 Liberty Ave., Pittsburg, Pa.
N. Y. Cut Flower Ex., Coogan Bldg., 6th Ave. and W. 26th St., New York.
Niessen Co., Leo, 1217 Arch St., Phila.
Pittsburg Cut Flower Co., Ltd., 504 Liberty Ave., Pittsburg, Pa.
Pittsburg Florists' Exchange, 217-223 Diamond St., Pittsburg, Pa.
Pollworth, C. C. Co., Milwaukee, Wis.
Randall, A. L. Co., 19 Randolph St., Chicago.
Raynor, John I., 49 W. 28th St., N. Y.
Rice Bros., 128 N. 6th St., Minneapolis, Minn.
Seligman, John, 56 W. 26th St., N. Y.
Sheridan, Walter F., 39 W. 28th St., New York.
Traendley & Schenck, 44 W. 28th St., New York.
Vaughan & Sperry, 58-60 Wabash Ave., Chicago.
Winterson, E. F. Co., 45-49 Wabash Ave., Chicago.
Young, A. L. & Co., 54 W. 28th St., New York.
Young, Thos., 43 W. 28th St., N. Y.
Zech & Mann, 51 Wabash Ave., Chicago.

Growers.

Bassett & Washburn, 76-78 Wabash Ave., Chicago.
Benthey-Coatsworth Co., The, 35 Randolph St., Chicago.
Bruns, H. N., 1409-1411 W. Madison St., Chicago.
Budlong, J. A., 37-39 Randolph St., Chicago.
Chatogue Greenhouses, Mobile, Ala.
Elliott, W. H., Brighton, Mass.
Forest City Greenhouses, Rockford, Ill.
Hill, The E. G. Co., Richmond, Ind.
Jensen & Dekema, 674 W. Foster Ave., Chicago.
Muskogee Carnation Co., Muskogee, I. T.
Peacock Dahlia Farms, Atco, N. J.
Poehlmann Bros. Co., 35-37 Randolph St., Chicago.
Reinberg, Peter, 51 Wabash Ave., Chicago.
Sinner Bros., 60 Wabash Ave., Chicago.
Weiland & Risch, 59 Wabash Ave., Chicago.
Wietor Bros., 51 Wabash Ave., Chicago.
Wilcox, J. F., Council Bluffs, Iowa.
Wittbold, Geo. Co., 1657 Buckingham Place, Chicago.

RETAIL CUT FLOWERS.

Atlanta Floral Co., 41 Peachtree St., Atlanta, Ga.
Berterman Bros. Co., 241 Massachusetts Ave., Indianapolis, Ind.
Breitmeyer's Sons, John, cor. Miami and Gratiot Aves., Detroit, Mich.
Cooke, George H., Connecticut Ave. and L St., Washington, D. C.
Daniels & Fisher, Denver, Col.
Donohoe, W. H., 2 W. 29th St., N. Y.
Eyres, H. G., 11 N. Pearl St., Albany, N. Y.
Gude, A. & Bro., 1214 F St., Washington, D. C.
Hansen, Mrs. M. A., Galveston, Tex.
Hauswirth, P. J., Audit. Annex, Chi.
Hess & Swoboda, 1415 Farnum St., Omaha, Neb.
Holm & Olson, St. Paul, Minn.
Kellogg, Geo. M., 906 Grand Ave., Kansas City, Mo.; also Pleasant Hill, Mo.
Lange, A., 40 E. Madison St., Chicago.
Livingston Seed Co., Columbus, O.
Matthews, 16 W. 3rd St., Dayton, O.
Mayberry & Hoover, 1339 14th St., N. W., Washington, D. C.
McConnell, Alex., 571 Fifth Ave., Windsor Arcade, New York.
Miller, Theo., 4832 Delmar Blvd., St. Louis, Mo.
Mills The Florist, 36 W. Forsyth St., Jacksonville, Fla.
Murray, Samuel, Coates House Con., 1017 Broadway, Kansas City, Mo.
Park Floral Co., The, Denver, Col.
Palmer's, Buffalo, N. Y.
Schulz, J., 644 4th Ave., Louisville, Ky.
Virgin, Uriah J., 833 Canal St., New Orleans, La.
Weber, Fred C., 4320-28 Olive St., St. Louis, Mo.
Wilcox, J. F., Council Bluffs, Iowa.
Wilson, Robert G., Brooklyn, N. Y.

BOILERS.

Boilers, improved greenhouse boilers, made of best material; shell firebox sheets and heads of steel; water space all around (front, sides and back). Kroeschell Bros. Co., 45 Erie Street, Chicago.

Boilers, Gurney heaters, heat by steam or hot water. Gurney Heater Mfg. Co., 111 5th Ave., New York; 74 Franklin St., Boston.

Boilers, the Burnham boilers, made for greenhouse heating. Lord & Burnham Co., 1133 Broadway, New York.

Boilers, corrugated, fire box and sectional, greenhouse heating. Hitchings & Co., 1170 Broadway, New York.

Boilers, boilers of high grade for greenhouses. Steam and hot water. Giblin & Co., Utica, N. Y.

Boilers of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Boilers, water tube steam boilers. King Construction Co., N. Tonawanda, N. Y.

Boilers, write for prices. Johnston Heating Co., 1133 Broadway, N. Y.

Boilers. Myers & Co., 1122 Betz Bldg., Philadelphia.

BOXES.

Cut Flower Boxes, ivy green finish, full assortment. Lots of 500 with printing no extra charge. Ask for sample. The Barteldes Seed Co., Denver, Col.

Cut Flower Boxes, water-proof; corner lock style. No charge for printing on orders above 250 boxes. Livingston Seed Co., Columbus, O.

Cut Flower Boxes; send for prices. Edwards Folding Box Co., Philadelphia, Pa.

BUILDING MATERIAL.

Building material, lumber for greenhouse benches. Ship lap, drop siding, sheathing, flooring, white cedar posts, etc. We are in special position to furnish "Pecky Cypress"; everything in pine and hemlock building lumber. Adam Schillo Lumber Co., cor. Weed and Hawthorne Sts., Chicago.

Building Material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouses and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building Material for U-Bar greenhouses. Pierson U-Bar Co., Metropolitan Bldg., 4th Ave. and 23d St., N. Y.

Building Material, cypress sash bars. Tennessee red cedar posts, pecky cypress benches, hotbed sash and frames, ventilating apparatus, pine, fittings and all supplies needed in new or reconstruction work. Foley Mfg. Co., 471 W. 22d St., Chicago.

Building Material. Our designs embody best features of greenhouse construction. Best grade gulf cypress used. Red Cedar posts, iron fittings, hotbed sash. Lockland Lumber Co., Lockland, Ohio.

Building Material, cypress sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 111-125 Blackhawk St., Chicago.

Building Material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 617 Sheffield Ave., Chicago.

Building Material of all descriptions, cold frames, hotbed sash, etc. Lord & Burnham Co., 1133 Broadway, N Y.

Building Material, cold frames, hotbed sash of every description. Hitchings & Co., 1170 Broadway, New York.

Greenhouse materials of all kinds for greenhouse heating. Johnston Heating Co., 1133 Broadway, New York.

Building material of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Building Material of all kinds. S. Jacobs & Sons, 1365-79 Flushing Ave., Brooklyn, N. Y.

FERTILIZERS.

A sample 100-lb. bag of BLATCHFORD'S PLANT GROWER AND LAND RENOVATOR FERTILIZER only $2.75. It is composed solely of pure Rose Growers' Bone Meal, Nitrate of Soda, Peruvian Guano, Sulphate of Ammonia, Sulphate of Potash and Gypsum, in the correct proportions. For benches and potting plants, roses, carnations, lilies, mums, etc., it has never been surpassed. Address

THE BARWELL AGRI. WORKS,
WAUKEGAN, ILL.
Est. at Leicester, England, in 1800.

GLASS.

Glass importers and jobbers; greenhouse glass a specialty. Window glass. James H. Rice, corner Michigan, St. Clair and Illinois Sts., Chicago.

Glass, plate and window glass, greenhouse glass a specialty. Sprague-Smith Co., 167-169 Randolph St., Chicago.

Glass, a lot of 16x18 A and B double strength at low price. A. Dietsch Co., 617 Sheffield Ave., Chicago.

Glass, window glass. Greenhouse glass a specialty. H. M. Hooker Co., 50 W. Randolph St., Chicago.

Glass, French and American "White Rose" brand. Stenzel Glass Co., 2 Hudson St., New York.

Glass, all sizes. Metropolitan Material Co., 1398 Metropolitan Ave., Brooklyn, N. Y.

Glass, all kinds and sizes. Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.

GLAZING POINTS.

Glazing Points, see the point? Holds glass firmly. Peerless glazing points are the best. No rights or lefts. Box of 1,000 points, 75c, postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

GREENHOUSE CONSTRUCTION.

Greenhouse Construction, builders of greenhouses for private estates, institutions, parks, etc. Pierson U-Bar Co., Metropolitan Bldg., 4th Ave. and 23d St., New York.

Greenhouse Construction, every type of iron frame or wooden construction. Best workmanship, right prices. Weathered Co., 46-48 Marion St., N. Y.

Greenhouse Construction, sash bar greenhouses. New Truss construction and iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse Construction, builders of every type of greenhouses; the most modern designs. Hitchings & Co., 1170 Broadway, N. Y.

Greenhouse Construction, builders of modern greenhouses. Myers & Co., 1122 Betz Bldg., Philadelphia.

GUTTERS.

Gutters, Garland's gutters will keep snow and ice off your glass. A sample of our gutter is on exhibition at Chicago Flower Growers' Market. Geo. M. Garland, Des Plaines, Ill.

Gutters, Lord & Burnham Improved V-shape gutter, with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

Gutters, new duplex gutter, only drip-proof gutter on the market. E. Hippard, Youngstown, O.

Gutters, Jennings, improved iron gutters. Diller, Caskey & Co., Sixth and Berk Sts., Philadelphia.

INSECTICIDES.

Fumigating Supplies, vaporizing pans for tobacco extracts, improved. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

Fumigating Supplies, tobacco dust for fumigating. Edwin L. Koppelman & Co., 81 Pine St., New York.

Insecticides, Carman's Antipest insecticide and fungicide, $1.50 per gal. Perfection Chemical Co., Flushing. N. Y.

Insecticides, tobacco paper, 24 sheets, 75c; 144, $3.50; 288, $6.50; 1,725, $35.10. Nico-Fume Liquid, pint, $1.50; ½ gal., $5.50; gal., $10.50; 5 gal., $47.25. Kentucky Tobacco Product Co., Louisville, Ky.

Wilson's Plant Oil for all kinds of plants. In 4-oz. to 1-gal. sizes. Andrew Wilson, 437 Springfield Ave., Summit, N. J.

Insecticide, Nicoticide, Bug Killer, the best bug killer and bloom saver. P. R. Palethorpe Co., Louisville Ky.

Fumigating Supplies, tobacco powder and stems. The H. A. Stoothoff Co., 116 West St., New York.

LAWN MOWERS.

Lawn Mower. The Clipper, lawn mower, No. 1, 12-in., $5; No. 2, 15-in., $6; No. 3, 18-in., $7; No. 4, 21-in., $8. Draft, money order or reg. letter. Clipper Lawn Mower Co., Dixon, Ill.

LEAF MOLD.

Leaf mold. A. Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

METAL DESIGNS.

Wire Designs. We carry largest stock in west. Quick service. Western florists like our goods. Barteldes Seed Co., Denver, Col.

Metal signs, send for prices. A. Herrmann, 404-12 E. 34th St., New York.

MISCELLANEOUS.

Engravings, best engravings and illustrations of every description for catalogues. Send for estimates. Globe Eng. & Elec. Co., 427 Dearborn St., Chicago.

Printing, large runs of catalogues a specialty. Write for figures. Regan Printing House, 89-91 Plymouth Place, Chicago.

Florists' overdue accounts and bad debts collected by the National Florists' Board of Trade, 56 Pine St., N. Y.

PAINT, PUTTY, ETC.

Paint, Ideal Greenhouse Lead; Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, N. Y.

Paint, Putty, etc. H. M. Hooker Co., 59 W. Randolph St., Chicago.

Paint, Putty, etc. The Jas. H. Rice Co., 80-82 Wabash Ave., Chicago.

PIPE, FITTINGS, ETC.

Pipe, iron fittings, etc., galvanized iron sash hinges, screw eyes, screw hooks, U bolts, galvanized iron buckles and wires. Fittings for purlin and ridge supports. Foley Mfg. Co., 471 W. 22d St., Chicago.

Iron Fittings, etc.; send for prices. Lockland Lumber Co., Lockland, O.

Iron Fittings, patent iron bench fittings and roof supporters. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

Pipes, valves, fittings of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

A Bargain, 4-in. cast iron pipes, 5 feet lengths at 12c per foot. C. C. Pollworth Co., Milwaukee.

POTS, PANS, ETC.

Pots, standard flower, 1½ in., $2.77 per 1,000; 2-in., $3.33; 2½-in., $3.88; 3-in., $5.27; 3½-in., $6.10; 4-in., $7.77; 4½-in., $10; 5-in., $13.60; 6-in., $22.20; 7-in., $4 per 100; 8-in., $6; 9-in., $8.88; 10-in., $13.33; 12-in., $22.22; 14-in., $38.88; 16-in., $66.66; 20-in., $1.25 each. Azalea pots and bulb pans same price. 2x2½ in. rose pots, $3.50 per 1,000. A. F. Kohr, 1521 N. Leavitt St., Chicago.

Pots, standard, seed pans, cut flower cylinders, hanging baskets, lawn vases, etc. Hilfinger Bros. Pottery, Ft. Edward, N. Y.

Pots, standard flower pots. The Whildin Pottery Co., Philadelphia, Pa.; Jersey City, N. J.; Long Island City, N. Y.

Pots, Eastern Red Pots, standard. We buy in car lot. You will be pleased with our stock. Ask for price list. Barteldes Seed Co., Denver, Col.

Pots, before buying write for prices. Geo. Keller & Son, 361-63 Herndon St., near Wrightwood Ave., Chicago.

Pots, red standards, full size and wide bottoms. Detroit Flower Pot Mfy., 490 Howard St., Detroit, Mich.

Pots, pots of all kinds. A. H. Hews & Co., No. Cambridge, Mass.; Long Island City, N. Y.

Pots, red standard, azalea pots. The Keller Pottery Co., 213-223 Pearl St., Norristown, Pa.

Pots, red standard. Paducah Pottery Co., Paducah, Ky.

Pots, all sizes. Ionia Pottery Co., Ionia, Mich.

Pots, Syracuse, red. Syracuse Pottery Co., Syracuse, N. Y.

Pot hangers, Kramer's $1 doz. by exp., $1.25 by mail. I. N. Kramer & Son, Cedar Rapids, Ia.

PUMPING ENGINES.

Pumping Engines, two streams of water for 1 hour cost 2 cents if you use a Standard pumping engine. The Standard Pump & Engine Co., Cleveland, O.

RAFFIA.

Raffia, samples free if you mention the American Florist. Large assortment of colors. R. H. Comey Co., Camden, N. J., 810-24 Washburn Ave., Chicago.

SEED CASES.

Seed cases, Heller's mice proof. W. C. Heller & Co., Montpelier, O.

STEAM TRAPS.

Steam Traps, the Standard return steam trap has no equal for its simplicity of working. E. Hippard, Youngstown, O.

Steam traps, Morehead Return. Morehead Mfg. Co., 1047 Grand River Ave., Detroit, Mich.

SUPPLIES.

Supplies, milkweeds, wire designs, cut wire, all kinds of letters, immortelles, cycas leaves, sheaves of wheat, ribbons, corrugated boxes of all kinds. Henry M. Robinson & Co., 8-11 Province St., Boston, Mass.

Supplies, cape flowers, cycas leaves, metal designs and all florists' supplies. A. Herrmann, 404-12 E. 34th St., New York.

Supplies, importers and manufacturers of florists' supplies. L. Baumann & Co., 78 Wabash Ave., Chicago.

Supplies, importers and manufacturers of florists' supplies. Reed and Keller, 122 W. 25th St., New York.

Supplies, wire designs, etc. The Cleveland Cut Flower Co., 215 Huron road, Cleveland, O.

Supplies and novelties of all kinds. J. Stern & Co., 1928 Germantown Ave., Philadelphia.

Supplies of all kinds. E. F. Winterson Co., 45 Wabash Ave., Chicago.

Supplies, wire designs. Pittsburg Florists' Ex., 228 Diamond St., Pittsburg, Pa.

Supplies, flower baskets, novelties, Riessner Bros., Lichtenfels, Bavaria.

Supplies of all kinds. Barteldes Seed Co., Denver, Col.

TOOTHPICKS.

Toothpicks, Cowee's wired, 10,000 for $1.50. Save freight and buy in Denver. Barteldes Seed Co., Denver, Col.

Toothpicks, wired, $1.50 per 10,000; $6.25 per 50,000. W. J. Cowee, Mfr., Berlin, N. Y.

VENTILATING APPARATUS.

Ventilators, the Standard ventilating machinery; original machine with self oiling, cups, most powerful, least complicated, very compact. E. Hippard, Youngstown, O.

Ventilators, The Advance Ventilating Apparatus. Write for estimates and circulars. The Advance Co., Richmond, Ind.

Ventilators, Evans' Improved Challenge ventilating apparatus. Quaker City Machine Works, Richmond, Ind.

Ventilating Apparatus. Send for circulars. Diller, Caskey & Co., cor. 6th and Berk Sts., Philadelphia.

Ventilating apparatus for every type of greenhouses. Lord & Burnham Co., 1133 Broadway, New York.

Ventilating Apparatus for greenhouses. Weathered Co., Box 789, New York City.

Ventilators, hand ventilating, etc. The King Construction Co., N. Tonawanda, N. Y.

Ventilators, ventilating apparatus of all kinds. Hitchings & Co., 1170 Broadway, New York.

Ventilators, New Departure ventilating appliance. J. D. Carmody, Evansville, Ind.

Ventilating, new Wolf Pipe Ventilating machines. A. Q. Wolf & Bro., Dayton, O.

WIRE SUPPORTS.

Wire supports, model extension carnation supports, galvanized wire rose stakes, tying wires, single and dbl. pot hangers. Igoe Bros., 63 Metropolitan Ave., Brooklyn, N. Y.

BOOKS FOR FLORISTS.

The time is coming along when these are needed and opportunity at hand for reading them. Every one of the following should be in your library.

Send prices quoted and we send the books.

FUMIGATION METHODS (Johnson).—A practical treatise on cheap and effective means of destroying insect pests. Handsomely bound and profusely illustrated. 250 pages. $1.00.

GREENHOUSE CONSTRUCTION (Taft).—It tells the whole story about how to build and heat a greenhouse, be it large or small, and that, too, in a plain, easily understood, practical way. It has 118 illustrations. $1.50.

THE GOLDFISH (Mulertt).—A number of florists find goldfish an attractive and paying addition to their business. The best advice is given in every department of the subject, including construction and care of the parlor aquarium, in this volume of 160 pages, handsomely illustrated. $2.00.

AMERICAN FLORIST COMPANY,
324 Dearborn St., CHICAGO.

The Whilldin Pottery Co.

STANDARD FLOWER POTS

Our output of Flower Pots is larger than any concern in the World
Our Stock is always Large and Complete

Main Office and Factory,

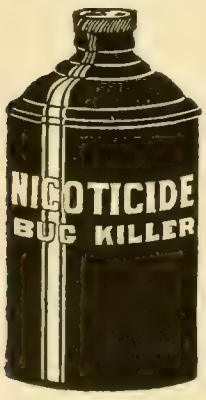
713 WHARTON STREET, PHILADELPHIA

Warehouses: JERSEY CITY, N. J. LONG ISLAND CITY, N. Y.

CLIPPER LAWN MOWER CO. DIXON ILL.

The Mower that will **kill all the Weeds in your Lawn.** If you keep the weeds cut so they do not go to seed and cut your grass without breaking the small feeders of roots, the grass will become thick and the weeds will disappear.

The Clipper will do it. Ask your dealer for them. If they have not got them, below is the price: No. 1—12-inch Mower, $5; No. 2—15-inch Mower, $6; No. 3—18-inch Mower, $7; No. 4—21-in. Mower, $8. Send draft, money-order or reg. letter.



THE BEST Bug Killer and Bloom Saver.

For **PROOF** Write to

P. R. PALETHORPE COMPANY,

LOUISVILLE, KY.

GEO. KELLER & SON,

MANUFACTURERS OF

FLOWER POTS.

Before buying write for prices.

361-363 Herndon Street, near Wrightwood Ave., CHICAGO, ILL.

WILSON'S PLANT OIL.

The best Insecticide and Plant Renovator ever introduced. Positively harmless. Put up in cans and bottles. Send for circular, testimonials and trade price.

ANDREW WILSON, 437 Springfield Ave. SUMMIT, N. J.

THE BLACK STUFF FINE TOBACCO

FOR DUSTING IS GROUND VERY FINE FROM THE HEAVY PURE LEAF LET US TELL YOU ABOUT IT.

THE H. A. STOOTHOFF CO. 116 WEST ST. NEW-YORK

THE KELLER POTTERY COMPANY,

Manufacturers of **FLORISTS' RED STANDARD POTS.**

Azalea Pots, Bulb and Fern Pans, Etc.

Write for Price List. 213-15-17-19-21-23 Pearl St., NORRISTOWN, PA.

IONIA CLAY is the BEST CLAY

We would not dare to claim to make the BEST POT—BEST in STRENGTH, SMOOTHNESS and POROSITY—if the claim was not true. Our capital and business integrity for 35 years stands behind the assertion. A perfect mail order system and skilled packers enable us to ship your order the day it is received.

A postal brings our general catalogue.

IONIA POTTERY COMPANY, Ionia, Mich.

STANDARD FLOWER POTS

No Charge for Crates or Packing.

Inches	per 1000	Inches	per 100
1½	$ 2.77	7	$ 4.00
2	3.33	8	6.00
2½	3.88	9	8.88
3	5.27	10	13.33
3½	6.10	12	22.22
4	7.77	14	38.88
4½	10.00	16	66.66
5	13.60	20	each, 1.25
6	22.20		

Azalea Pots and Bulb Pans same as **Standard Pots.** 2 and 2½-in Rose Pots, $3.50 per 1000. These pots are **carefully made,** very strong and porous. Liberal count is given, thereby protecting our patrons against possible breakage. **Above prices subject to 10 per cent. discount for cash.**

A. F. KOHR, 1521-23-25 N. Leavitt St, Chicago.

Red Standard Flower Pots

Price list and samples on application.

PADUCAH POTTERY CO., Inc.

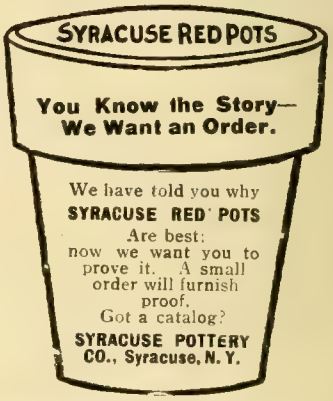
PADUCAH, KENTUCKY.

Kramer's Pot Hangers

For Sale by Wholesale Seedsmen, Florists and Supply Dealers.

Price, $1.00 per dozen by express. Sample dozen by mail, $1.25.

L. N. Kramer & Son, CEDAR RAPIDS, IOWA.



Standard Flower Pots!

Packed in small crates, easy to handle.

	Price per crate		Price per crate
1500 2-in., in crate,	$4 88	120 7-in., in crate,	$4 20
1500 2¼ "	5.25	60 8 "	3.00
1500 2½ "	6.00	HAND MADE.	
1000 3 "	5.00	48 9-in., in crate,	$3.60
800 3½ "	5.80	48 10 "	4.80
500 4 "	4.50	24 11 "	3.60
320 5 "	4 51	24 12 "	4.80
144 6 "	3.16	12 14 "	4.80
		6 16 "	4.50

Seed pans, same price as pots. Send for price list Cylinders for Cut Flowers, Hanging Baskets, Lawn vases, etc. Ten per cent off for cash with order. Address

HILFINGER BROS. POTTERY, Fort Edward, N. Y

or AUGUST ROLKER & SONS, New York Agents, 31 Barclay Street, New York City.

Please mention the American Florist when writing

Those Red Pots

"STANDARDS"

FULL SIZE AND WIDE BOTTOMS, BULB PANS AND AZALEA POTS.

DETROIT FLOWER POT M'F'Y.

HARRY BALSLEY, Rep. DETROIT, MICH. 490 Howard St.

L. BAUMANN & CO.,

Importers and Manufacturers of

Florists' Supplies

76-78 Wabash Ave., CHICAGO.

Write for our New Catalogue F. Our prices may interest you.

Tobacco Paper IS THE STONGEST, BEST PACKED, EASIEST APPLIED.

24 sheets.....$ 0.75
144 sheets..... 3.50
288 sheets..... 6.50
1728 sheets..... 35.10

"NICO-FUME" LIQUID

OVER 40% NICOTINE.

Furnishes the Most Nicotine for the Money!

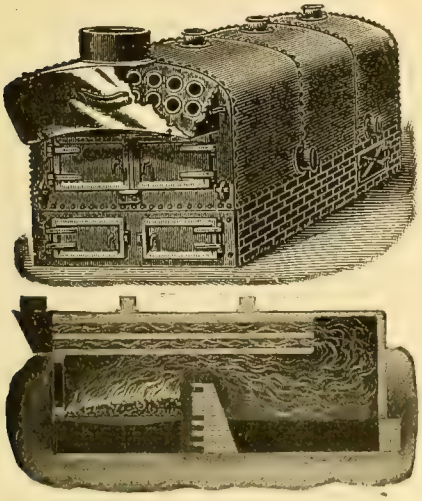
Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.

By far the CHEAPEST.

JUST NOTE PRICES!

Pint.....$ 1 50
½ Gallon..... 5.50
Gallon..... 10 50
5 Gallons..... 47.25

KROESCHELL BROS. CO.
IMPROVED
Greenhouse Boiler
45 Erie Street, CHICAGO.



Boilers made of the best of material, shell, fire-box sheets and heads of steel, water space all around (front, sides and back). Write for information.

CUT FLOWER BOXES
WATERPROOF Corner Lock Style.

The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always.

Size No.		Per 100	Per 1000
0.	3x 4x20	$2.00	$19.00
1.	3x 4½x16	1.90	17.50
2.	3x 6x18	2.00	19.00
3.	4x 8x18	2.50	23.00
4.	3x 5x24	2.75	26.00
5.	4x 8x22	3.00	28.50
6.	4x 8x28	3.75	36.00
7.	6x16x20	5.50	54.00
8.	3x 7x21	3.00	28.50
9.	5x10x35	6.50	62.00
10.	7x20x20	9.50	67.50
11.	3½x5x30	3.00	28.50

Sample free on application. No charge for printing on orders above 250 boxes. Terms cash.

THE LIVINGSTON SEED COMPANY,
Box 104, COLUMBUS, OHIO.

A. HERRMANN,
Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florists' Supplies.

SEND FOR PRICES.

404-412 East 34th St., NEW YORK.

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

THE LOW PRICE HEATING PLANTS

The Chicago House Wrecking Co. is in position to offer you an interesting proposition for furnishing you with a heating plant at a saving of at least 30%. Send us a sketch of your houses with preferred location of the boiler, the points of compass and the desired night temperature for zero weather, and we will gladly submit you an exact detail quotation of all material required to install the plant. We have ***heaters*** and ***boilers*** of every kind, both new and rebuilt. We have always on hand a large number of rebuilt boilers suitable for greenhouse heating. Our stock embraces ***fire box boilers, horizontal tubular boilers, Kroeschell boilers, cast iron sectional boilers, Erie City economizers*** and other types

We can save you considerable money on ***pipe, valves*** and ***fittings;*** also on ***doors, glass, sash*** and everything needed in the construction of your buildings.

Ask for our Special Catalogue No. 47.

CHICAGO HOUSE WRECKING CO.,
35th and Iron Streets, CHICAGO.

The James H. Rice Co.
IMPORTERS and JOBBERS
GREENHOUSE GLASS
A SPECIALTY.
Window Glass, Paint, Putty, etc.
Office and Warehouse: Corner of Michigan, St. Clair and Illinois Streets, CHICAGO.

GREENHOUSE HEATING
Complete heating plants erected or materials furnished with working plans. Write for prices on BOILERS.

JOHNSTON HEATING COMPANY,
St. James Building, 1133 Broadway, NEW YORK.

GLASS
GOOD BRANDS.
QUICK SHIPMENTS.
LARGE STOCK.

Warehouse on railroad switch. Be Sure and Get Our Prices.

SHARP, PARTRIDGE & CO.,
22nd and Lumber Sts., CHICAGO.

Carman's Antipest
INSECTICIDE AND FUNGICIDE
For the Garden, Orchard and Greenhouse.
Non-poisonous and harmless to vegetation.
Kills Green Fly, Aphides, Bark Lice, Thrip, Mealy Bug, Red Spider, Scale, Wire Worms, Ants and Slugs.
This is the Grower's Friend, handy to use, cheap and effective, mixes readily in water. Destroys all insect pests and keeps down filth. Circulars on application. $1.50 per gallon. Also in quarts, half gallons and in bulk
PERFECTION CHEMICAL CO.,
FLUSHING, N. Y.

Please mention the American Florist when writing.

MYERS & CO.
BUILDERS OF
Modern Greenhouses
HEATING BOILERS.
1122 Betz Bldg.,
PHILA., PA.

EVANS' IMPROVED
CHALLENGE VENTILATING APPARATUS
WRITE FOR ILLUSTRATED CATALOGUE
QUAKER CITY MACHINE WORKS.
RICHMOND, IND.

Please mention the American Florist when writing.

GREENHOUSE MATERIAL

IS THE BEST
WE HAVE LOTS OF IT
SEND FOR SKETCHES
ESTIMATES AND FREE
CATALOGUE
VENTILATING APPARATUS
HOT-BED SASH
FITTINGS &c.

FOLEY MFG. CO.
471 W. 22ND ST.
CHICAGO

If you are having delay in getting your roof material, send your orders TO US and don't be in trouble. We will handle any order in the time agreed. Try us.

FOLEY MANUFACTURING CO.,
471 West 22nd Street, : : CHICAGO.

Material for our Patent Short Roof Houses as per cut and all other styles of Construction, either of Washington Red Cedar or Louisiana Cypress.

Dietsch & Co.'s Short Roof Style of Houses Can be seen at George Reinberg, 304 Belmoral Avenue, Chicago.

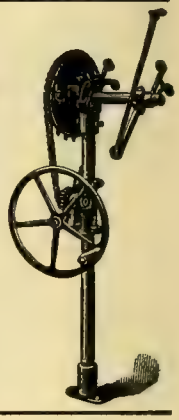
Quality Invariably the Best that Can Be Produced.

A. DIETSCH COMPANY, Patentees
617 Sheffield Ave., CHICAGO, ILL.

BEST ENGRAVINGS and ILLUSTRATIONS
—Of Every Description—
FOR CATALOGUES.
SEE OUR WORK IN THIS PAPER. SEND FOR ESTIMATES.
GLOBE ENGRAVING and ELECTROTYPE CO.
407-427 Dearborn St., CHICAGO.

AN ECONOMIC INVESTMENT
A MOREHEAD TRAP
will help you grow better flowers and will save you money. Write for handsome florists' booklet.
MOREHEAD MFG. CO.
1047 Grand River Ave.
DETROIT . MICH.

The Advance Ventilating Apparatus



With goods made mechanically correct, on principles that have always given satisfaction with prices that are reasonable, with lasting and satisfactory service, we certainly should have a chance to figure with you on what you may need in our line.

We have always pleased our customers. Why not ou?

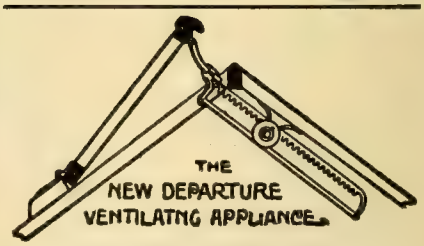
THE ADVANCE CO.
RICHMOND, IND.

Greenhouse Material

Made of clear Gulf Cypress is what we manufacture. We supply everything for your houses and your carpenter does the rest with the working plans we furnish. Let us figure on your requirements. We can save you money.

S. JACOBS & SONS,
1365-79 Flushing Ave., BROOKLYN, N. Y.
Please mention the American Florist when writing

Now is the Time
to Subscribe to the
Horticultural Trade Journal
Published weekly The Largest Brightest and Best British Trade Publication. Also
THE INTERNATIONAL EDITION
Published quarterly. Annual subscription for weekly and quarterly numbers, One dollar, (International money order). Subscribe to-day and keep in touch with European markets and topics.
THE HORTICULTURAL PRINTING COMPANY,
BURNLEY, ENGLAND.
Please mention the American Florist when writing



CHEAPEST AND BEST.
If you doubt it try them and be convinced. Send for descriptive price circular.
J. D. Carmody, Evansville, Ind.

SPRAGUE, SMITH CO.
JOBBERS AND MANUFACTURERS OF
Window Glass.
GREENHOUSE GLASS
A SPECIALTY.
167-169 Randolph St., CHICAGO.

Le Journal des Roses.
Organ of the French Rosarians.
Published at Paris. Once a month with colored plates.
Subscription $2.70 per Year. Sample Copies Free
ADMINISTRATION DU JOURNAL DES ROSES
a SUISNES, Brie
a Grisy-Suisnes. (Seine et M FRANCE.

Weathered Company,
BUILDERS OF
Iron and Cypress Greenhouses, Greenhouse Heating and Ventilating Apparatus.
P. O. Address. Box 789, NEW YORK CITY.

Always mention the American Florist when you order stock.

THE AMERICAN FLORIST

America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXVII. CHICAGO AND NEW YORK, OCTOBER 6, 1906. No. 957

THE AMERICAN FLORIST

TWENTY-SECOND YEAR.

Copyright 1906, by American Florist Company. Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

324 Dearborn St., Chicago.

Eastern Office: 1133 Broadway, New York.

Subscription, $1.00 a year. To Europe, $2.00. Subscriptions accepted only from the trade.

Volumes half yearly from August 1901

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—WM. F. KASTING, Buffalo, N. Y., president; H. M. ALTICK, Dayton O., vice-president; W. J. STEWART, 11 Hamilton Place, Boston, Mass., secretary; H. M. BEATTY Pittsburg, Pa., treasurer. Twenty-third annual meeting at Philadelphia, Pa., August, 1907.

OFFICERS-ELECT—WM. J. STEWART, Boston, Mass., president; JOHN WESTCOTT Philadelphia, Pa., vice president; P. J. HAUSWIRTH, Auditorium Annex, Chicago, secretary; H. B. BEATTY, Pittsburg, Pa., treasurer.

INTERNATIONAL EXHIBITION—A grand international exhibition will be held with the annual convention at Chicago, November, 1908.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual convention and exhibition at Chicago, November 6-12, 1906. WM. DUCKHAM, Madison, N. J., president; DAVID FRASER, Penn and Homewood Ave., Pittsburg, Pa., secretary.

AMERICAN ROSE SOCIETY.

Annual meeting and exhibition at Washington, D. C., March 13-15, 1907. ROBT. SIMPSON, Clifton, N. J., president; BENJAMIN HAMMOND, Fishkill-on-Hudson, N. Y., secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention and exhibition at Toronto, Canada, January, 1907. JOHN H. DUNLOP Toronto, Canada, president; ALBERT M HERR, Lancaster, Pa., secretary.

THE AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

Annual convention at Toronto, Ont., 1907. BYRON D. WORTHEN, Manchester N. H., president; F. L. MULFORD, Harrisburg, Pa. secretary.

AMERICAN PEONY SOCIETY.

Third annual meeting and exhibition at Ithaca, N. Y., 1907. C. W. WARD, Queens, N. Y., president; A. H. FEWKES, Newton Highlands, Mass., secretary.

Contents, page 488.

Advertising Rates, 488.

Index to Advertisers, 512.

Ready Reference Advts., 513.

Florists' Forcing Bulbs and Roots.

Copyright 1906 by the American Florist Company.

IV—LILIUM SPECIOSUM.

Among the latest arrivals in bulbs are Lilium speciosum, L. auratum, L. tigrinum, L. excelsum, L. Brownii and several other sorts, justly considered the choicest of the genus. They are, next to our native species, also the hardiest of garden lilies, deservedly popular and widely cultivated. As such they thrive best and produce the finest flowers in well drained, generously enriched and deeply dug ground and in a somewhat sheltered part of the garden. In making new plantations it is advisable to have the work completed before severe weather sets in, the bulbs to go into the ground as soon as ever they can be obtained, which is usually quite late in the fall. The depth at which the bulbs are planted should be from five to seven inches below the level of the soil. The ground, after planting and every succeeding winter, should be covered with a heavy layer of manure or rough stable litter, this to be removed or dug under every spring. In rainless seasons these lilies must be copiously watered from the time the buds have formed until the flowers are ready to cut. Staking and tying is also necessary.

Lilium speciosum (or Lilium lancifolium) ranks foremost among lilies especially suited for pot culture and forcing. Its three varieties, album, rubrum or roseum and Melpomene or punctatum are handled in large numbers by commercial florists every year, some growers having made the culture of these lilies a very profitable special feature. The season of flowering, hastened by forcing or retarded and prolonged by the aid of cold storage, covers the entire period from the time the last longiflorum lilies are marketed in the spring until the first Harrisii lilies are offered in the fall.

LILIUM SPECIOSUM FROM RETARDED BULBS.

While the bulbs of Lilium auratum, a species also largely grown in pots, may to some advantage be potted up as soon as received in the fall, nothing at all is gained by starting Lilium speciosum much earlier than February. The bulbs, however, must be kept until then in a cool and tolerably moist place, where they will neither dry out nor be excited into a premature top growth. This is rather hard to do in or about any ordinarily appointed greenhouse establishment, and the bulbs, therefore, had better be placed in well regulated cold storage rooms until it is time to plant them. The right temperature for Lilium speciosum when in cold storage is 33°. If it becomes difficult to steadily hold this point, it is better and safer to run the temperature a trifle lower than higher. The grower whose place is not fully equipped in this particular phase of modern floriculture or whose facilities for the retarding of lily bulbs are unreliable, will invariably do better by procuring cold-storage bulbs from trustworthy dealers at a time and in such quantity as best suits his particular line of trade.

The bulbs may be started any time from the middle of February until the end of April. In potting, a rich, heavy soil and comparatively large pots should be used and the bulbs can be set high enough so as to leave the upper half uncovered by soil. A very cool and well-ventilated greenhouse is a good place in which to start these lilies. Later on when they are making some headway, and when the warmer days of spring are drawing near, a spacious, deep frame outdoors will be best for them. The crop of flowers in every instance will be finer when produced under open air conditions, insects will be less troublesome and the care of the plants an easy matter. E.

We are indebted to the Garden for the accompanying illustration.—ED.

Attractive Commercial Places.

It is unhappily true that a great many of our commercial establishments are not at all attractive. As a matter of fact, their appearance would tend to drive away business rather than draw it. Much can be done to make the grounds and surroundings of the average greenhouse establishment attractive at very small expense and it is an investment that pays for itself many times over. We are always pleased to find a well kept commercial place in which some desire is shown to please the public and improve the surroundings generally.

The illustrations herewith show one of the neatly kept houses of I. L. Pillsbury, of Galesburg, Ill., and an exterior view of his establishment, where he compelled attention to his place and business in the past season by highly meritorious bedding and planting. The proprietor of every greenhouse establishment in the country will find it to his benefit to spend a little time and money in this way, not only in summer bedding but also in a spring display of outdoor bulbous and other early flowering stock.

AURORA, ILL.—J. M. Smely has been away for several weeks.

A National Canna Growers' Association.

We wish that every grower of and dealer in cannas would consider the above question carefully and express either through THE AMERICAN FLORIST or to the writer personally by letter, his own candid opinion upon it.

If such an association could be formed, and include in its membership the thousands of small florists all over the country, who handle from a few dozen to a few hundred cannas each year, and awaken an interest in each to take hold and help circulate literature regarding the beauties of the canna, for growing in small home gardens as well as for planting in parks and public gardens, and keep up a general campaign of education, especially by donation to city parks, of some of the most showy of the newer varieties (not necessarily of anyone's high priced novelties, but something new in the community that would attract attention) there could, by united action, be such an interest worked up for cannas that the demand would be doubled in less than three years.

We see no reason why such an association could not be mutually helpful to every one in the trade, but expect that some few would be jealous for fear that they would not be recognized as the great and only canna growers. Let the association have a nominal fee of one dollar per year, and reach out for members, not only among florists and dealers, but among amateur growers and gardeners everywhere.

There are hundreds, yes, thousands, of growers who could be induced to become members of such a society that would not think of joining the S. A. F. with its much higher membership fee. Many of them, however, after being brought in closer contact with other growers in such an association, would no doubt in a few years become deeply interested in floriculture generally and would probably become members of the S. A. F.

There is a great chance to do educational work along floricultural lines and no one should try to discourage any movement along such lines, even though they be in the nature of kindergarten work. Let us take hold and reach out for the general public and educate it up to a better understanding of the beauties of our work in floriculture.

In regard to registration, we have never considered that there was any implied recommendation, or acknowledged merits, attributed to such varieties as are offered for registration by the S. A. F., only the notice that a certain name has been given to a certain variety and the brief description given it, is simply a help to identify it in the future if it should come into general cultivation.

We believe that the present system of registration is the only one that can be carried out without friction by any society. It is certain that no committee can pass on the merits of flowers as fragile as those of the canna in a satisfactory manner without seeing several plants of each variety growing and watching their growth for several weeks. This would mean a vast amount of work for the committee, provided there were several hundred new applicants for favorable mention. Then if the members of the committee should live in widely separated parts of the country and each have to be supplied with samples, it would mean quite an expense to the originator.

The question of certifying varieties for merits, however, should be another question altogether. The Conard & Jones Co. some months ago registered a new pink canna under the name of Venus, when this name was given a variety in 1900 of a yellowish white color, so there are now two distinct varieties on the market by that name. Persons naming and registering new kinds should be very careful not to repeat names of varieties already in commerce.

Another thing that should be condemned is the changing, even in a minor way, the name of a plant after once given, for it only makes much confusion. We saw on the fair grounds at Dayton a bed of cannas labeled "Imperial Gardener Hoppe," this should have been Hofgartner Hoppe; the two names mean the same, but there is

I. L. PILLSBURY'S PLANT HOUSE, GALESBURG, ILL.

no excuse for trying to change the one for the other, as it but adds to confusion and places the same kind on the market under two different names.

L. H. READ.

WOULD CHANGE THE TITLE.

A national canna association would be all right. I would, however, cut out the "growers," even though everyone who has cannas growing in his garden is a canna grower. As we understand the meaning of the term grower, it is applied to those who grow in quantity to sell at wholesale to dealers. The title as I have ventured to suggest is shorter and gives the association a wider field to operate, and open to everyone who grows and admires the cannas. It rests with the growers who handle cannas in quantity to take the initiative in forming such a society, while others, if the advantages of joining such an association were properly and enthusiastically placed before them, might fall into line for the good of the cause. Very little that is worth while can be done without enthusiasm. Wonders have been accomplished by judicious and well directed enthusiasm.

I do not know that the rose and the chrysanthemum have been made more popular by the organization of their respective societies, but I believe American horticulture in general has been the gainer, and the carnation and peony societies have certainly drawn the public closer to their respective patron flowers through the work of and publicity given by each society. The rose and the chrysanthemum were already popular before either of their respective societies were established..

The chrysanthemum society has done good in another direction other than creating a demand for its patron flower. No society was needed for that purpose because it comes in such vast quantities in the fall and early winter that it is self-assertive and needs no booming—but the society has done and is doing good work by its system of the weekly committee meetings in the leading cities during the chrysanthemum season, passing upon novelties. By the system adopted numerous varieties not up to the standard have been kept off the market. The $2 entrance fee has no doubt made the owner of a possible certificate winner more critical of his own productions.

None of the other societies is working along the same lines, but the canna association could be managed in a similar way. Let each of those canna enthusiasts who believes he has a superior variety send it to a public park to be agreed upon in each of the larger cities, and appoint a local committee which knows something about cannas, to visit the plantations three or four times during the growing season, the first visit to be a week or so after they are first planted, with later inspections about the middle of July, August and September. These dates need not be arbitrary, but are here given only as a guide to formulate some good working plan for the benefit of the canna.

The registration of names is a different proposition. That is an idea formulated originally by the Chrysanthemum Society of America for the purpose of avoiding as far as possible the duplication of names. but let all who think they have a good seedling canna that they are not afraid to have competent committees examine in different cities, send them along for that purpose. This would be a most interesting test and have a tendency to disseminate canna education that would benefit all growers of cannas whether for the love of them for their own sake or for sale.

The more I think of the plan herewith proposed, the better I like it, for the owner of a superior variety need not send more than two plants of his novelty to each city agreed upon. One would hardly be a fair test, and should it prove to be a superior variety, the exhibitor would have no trouble in disposing of the stock at the end of the season, to some local firm possibly. It would not be advisable to send varieties for trial until the year before enough stock was on hand to warrant its dissemination, as it is not good business to create a demand for an article that cannot be supplied.

EDWIN LONSDALE.

Smugglers Use Funeral Wreath.

The smugglers of Paris have many ingenious methods of swindling the customs employes in passing contraband alcohol into the city, according to a correspondent of the Scientific American, this article being heavily taxed. Among others we find the following:

"During a period of over six months the customs employes at the various barriers at Paris saw two men regularly pass before their offices, carrying a very fine funeral wreath. Naturally, they never asked them to pay dues on such an article as that, and never suspected for a moment that it contained 40 liters of pure alcohol. The smugglers took every precaution against discovery, avoiding, for instance, passing through the same barrier twice running. However, the trick was eventually discovered by an officer who insisted on examining the wreath, and found that it contained a tin interior filled, of course, with the valuable spirits."

CHRYSANTHEMUMS

Notes on Varieties.

Monrovia, as an early variety, has outdone itself this year, and on our place the first flowers were cut about August 20, the regular crop coming in about 15 days later and regular daily shipments commencing about September 9. August chrysanthemums are certainly novel and of course there was not much call for them that early, but it shows what can be done if occasion requires, as C. H. Totty puts it.

I. L. PILLSBURY'S GROUNDS, GALESBURG, ILL.

However, I do not agree with Mr. Totty, that there is no demand for the flowers before cold weather sets in, as there has been an increased demand for early chrysanthemums ever since we commenced making regular shipments, and we have had about as hot a September as we ever had. I do not think that the commission man who has handled my cut, has thought it adding to his woes to sell from 10 to 20 dozen per week at $4 per dozen straight and not having nearly enough to go around. The only woe has been that he did not have enough of them, and it has required considerable holding back, writing and telegraphing, to fill all orders and nearly all were sold on advance calls, very few having been obtainable in the open market.

Our regret is that we do not have a good white or pink chrysanthemum to cut from early in September, to go with the yellow Monrovia, but we hope it will soon be forthcoming. I, for one, expect to have some to cut another season. We have got some nice varieties now that with a little extra manipulation can be flowered early. As it has taken many growers five or six years to find out what can be done with Monrovia as an extra early variety, perhaps another season will see other varieties come to the front. Of course there is a danger of getting Monrovia too early. August chrysanthemums as a rule do not go, nor pay to grow.

October Frost, one of Nathan Smith & Son's novelties of last year, is ap-

parently the first early white of size. It is a nice grower and an easy propagator. I understand that one grower cut it about a week ago, but I did not see, nor hear of what size it was, but it is apparently a good variety, one that will pay and warrant another trial. It is far ahead of the English variety, Moneymaker, which was supposed to be such an extra early variety and which several growers (the writer being one) imported last spring. It may be early in England, but here it is only now showing color. Clementine Touset is another comparatively early variety and is holding up its reputation of last year. It has been planted largely and will pay well for its space. Its leaves being rather small, it can stand close planting and it promises here to be one of the best paying varieties. It is also a nice clean, straight grower, and needs but little tying. It is also showing color now.

In pink, Smith's Rosiere looks good and is also showing color now. It looks like a good addition to our few early pinks and will be in several days ahead of Pacific and Lady Harriet. It seems that our American seedlings are the best after all, especially for earliness. Merstham Yellow is also living up to its reputation of last year as being of little worth, not even as a second early is it of value. It is already on the list of "has beens" and will be dropped entirely by those who gave this wonderful variety a second trial. There are a couple more of Nathan Smith & Son's novelties of last year that are looking very promising, but as they are late, or only second early, they need not be mentioned as yet.

Of other varieties looking good, but coming in rather late, are Major Bonnaffon, Appleton, Enguehard, Alice Byron and Viviand Morel. They are all "money makers" in their season when growing right and are all hard to beat in their color and season. Adelia is too easily mildewed and is such a crooked grower that Alice Byron is much better to handle and every bit as good. As for its mate, Majestic, which won such honors at the St. Louis fair, it is too soft to handle and ship. Altogether there are but very few really good varieties of the later years' disseminations that will do much better or make more money for the average florist than some of those old stand-bys; it is with new chrysanthemums as with new carnations, there comes occasionally a good one, that one will have to get, and of course, to get them, one will have to buy several others which are of no value. T.

Cultural Reminders.

Now that the days are getting shorter and the nights colder, chrysanthemum leaves should not be syringed except on very bright days. Keep the plants rather on the dry side, but see that the beds are watered thoroughly at least once a week so that the buds may have a chance to swell. Give liquid manure two or three times a week for a week or two, but both that and syringing should be discontinued as soon as the buds show color. Keep them tied up and the shoots and suckers picked off. Above all keep the houses free from aphis and other insect pests. The little white fly, of which there has been so much written lately, infested one of my houses. I first tried tobacco fumigation, using a good handful of cayenne pepper with the powder. This stunned the flies so that they lay as if dead all night, but in the morning they were as much alive as ever. I then syringed the plants with a strong solution of nicotine, but this had the same result as the other treatment. I finally concluded to try hydrocyanic-acid gas. This was neither as expensive nor as dangerous as many have supposed. My house is about 16x100 feet in size, with open walls, a rose house and a carnation house being on either side. Closing the doors and ventilators of the three houses, I procured three quarts of commercial sulphuric acid, divided this into six one-gallon jars and poured into each a little over a pint of water. I then had three jars on each side of the infested house. Using 2½ ounces of cyanide of potassium to each jar, myself and a helper dropped it into the fluid and left the house at once. I remained away an hour. Few of the flies appeared again. Of course there were the eggs of the flies and I expect I will have to repeat the operation once or twice. The cyanide only cost $1.50 and the acid 50 cents. It does not pay to have a house of chrysanthemums spoiled for ten times that amount.

T.

PALMS AND FERNS.

Seasonable Notes.

With the advent of October, cool nights are the rule, and some artificial heat becomes necessary in the palm houses at least, just enough to circulate the air and to keep the foliage from getting too much water soaked by the heavy condensation during the night. In the fern houses it may not be needed quite so early in the season, for most of the ferns in popular use as trade varieties are cool-house species, and some of them, like Cyrtomium falcatum, Aspidium tsussimense, Lastrea chrysoloba and some others, are about half hardy, and consequently are likely to be injured rather than benefited by too much heat.

Young palms in general are more tender than large specimens of the same species, and it thus becomes necessary to favor the young stock in the matter of fire heat somewhat earlier in the season than those of more mature growth.

Cocos Weddelliana in a small state is rather sensitive to cold, and especially so if it becomes too wet at the root at the same time, and as this very useful palm is a little tricky in habit at times, it pays best to give it some extra attention; for a batch of cocos with the "yellows" is a discouraging sight to any plant grower.

To be fairly well shaded, kept rather warm, and not over-watered, seems to be the most favorable conditions under which to grow cocos, but even then they keep us guessing sometimes. And I remember a certain plantsman saying some years ago that the best and thriftiest lot of cocos he ever had were grown in a house that sometimes went down below 40° in cold weather, so the matter does not seem to be entirely cleared up yet.

Young arecas also feel the effect of cold nights very soon, and are quite liable to get a check to their root action from such conditions, and even the larger plants of this species will soon stop growing when kept too cool, and in such a house will remain dormant until about April.

The kentias seem to enjoy a moderately cool temperature at night, and if the house in which established plants of this favorite sort are growing should go down close to 50° it will not harm them, and the growth they make under these conditions will be shorter, hardier and more symmetrical than that produced in a temperature of 60°.

It is quite possible, however, that the number of kentias grown under cool conditions, may be somewhat less than usual during the coming season for an active demand for small and medium sizes has created some shortages, and such a state of affairs may cause some growers to turn on a little extra steam in the hope of patching up their short lines before the fall season of 1907. Arecas have also been more in demand this season, but this apparent demand may be more owing to a short supply than to a greatly increased call, and a shortage of this species may be more readily repaired than some others, from the fact that areca seed usually gives a high percentage of germination.

A FRENCH TABLE DECORATION.—Le Jardin.

An early autumn trade among the palms allows no excuse to the grower for late potting, the crowded condition of the houses frequently preventing one from doing much potting until October 15 or thereabouts, but with the early opening of business this season an opportunity for refilling space is offered that should promptly be taken advantage of, for latanias will continue to grow for the next two months and kentias for still longer.

The dark and rainy weather prevailing in the past August, and to some extent in July also, prevented the regular use of the hose in syringing, and it is always unfortunate to be compelled to suspend syringing for several days at a time, for at such times insects are very likely to get a fresh start, and sometimes get almost beyond control for the time being. The month of August being the usual period for the production of the second brood of some of the scale insects, and also for mealy bug.

Such a condition has been remarked to the writer by several growers during the present season, and there is little doubt but that the lack of syringing during that period has much to do with the apparently sudden outbreak of insects on the palms, the new crop of these pests not having been noticed until they had finished their migrations on the foliage, and settled down to build a little home of their own, so to speak.

Shading is but little needed on the palm houses after this date, though a thin covering on the southern or western exposure of the houses will do no harm, and will serve to retain a more attractive color in the foliage of palms that are much pot-bound. On the fern houses in which Boston ferns, Scottii, elegantissima, Whitmanii, Barrowsii, and any others of that type are grown, no shading will now be needed, and the same rule will apply to the house in which small ferns for ferneries are grown, plenty of sun and air being among the essentials for these plants at this season, and this means free ventilation at night as well as during the day, until such times as frost threatens.

There are still many ferns of the nephrolepis family that are grown in benches during the summer and potted up in the fall, and these newly potted plants will take rather more attention than those that have been grown in pots throughout the season, as the latter are so filled up with roots that their greatest requirement is an abundance of water, while those just lifted from the bench may need a temporary shading and some care in watering until the roots take hold anew.

A correspondent recently mentioned in THE AMERICAN FLORIST the fact that the early plants of the various sports from the Boston fern, as seen around Philadelphia, are not very shapely, and suggests that possibly these plants may assume better form later in the season. This idea is doubtless correct, for during the hot weather the nephrolepis leaves will lengthen out too much and are fewer in number, but as the season cools off the growth is of a more even character, and another thing to be taken into consideration is the fact that the compound leaves of some of these improved forms of Nephrolepis exaltata take longer in which to reach their full development than the plain-leaved Boston fern.

Small ferns that have been grown in outdoor frames will soon be in need of safer shelter, and while they may be protected from a few degrees of frost by covering with sashes, yet it will be unwise to delay their removal much longer, for these little pots are somewhat of a nuisance to move in a hurry. Cibotium Schiedei is being more grown and appreciated from year to year, and does well under much the same conditions as pot-grown Boston ferns, but cannot be grown as cheaply as the latter.

It is best not to water this fern over head very much at any time and especially so during the winter, and as the fronds increase in length the plants should be raised up above the bench on pots or pedestals, in order to keep these long and drooping fronds in good condition.

W. H. TAPLIN.

WASHINGTON, D. C.—J. Louis Loose is erecting a modern greenhouse at 1709 Fourteenth street.

DENISON, TEX.—A flower show will will be held here under the auspices of the Civic Improvement League, November 8-10. The catalogue is now ready and copies may be had on application to T. W. Larkin, Denison, Tex.

A CHRYSANTHEMUM WREATH.
By Mrs. M. A. Hansen of Galveston, Tex.

THE RETAIL TRADE

A Funeral Wreath.

The wreath illustrated has for its foundation fresh sago palm leaves. This is covered with Russian violets, over which large yellow chrysanthemums are arranged with fern leaves. The wreath is trimmed with lavender tulle and ribbon of the same shade, making the effect very attractive. The wreath stands about thirty-two inches high.

A French Table Decoration.

The table illustrated herewith was set for eighteen covers and is an example of the use of small porcelain figures in connection with flowers and foliage. Five porcelain figures were used. The center was a pedestal supporting a vase and surrounded by four figures representing the seasons and was, naturally, the largest. At the ends were porcelain candelabra used to carry sprays of flowers, and between the center and ends, placed diagonally, one at one side, the other at the opposite side, were two groups of dancing women.

The flowers and foliage were arranged very delicately and gracefully. In the center vase were superb sprays of odontog blossoms and nodding oncidiums with delicate fronds of adiantums. Arranged at the base of the pedestal were yellow and mauve cattleyas, odontog blossoms, cymbidiums, and pink lilies.

The candelabra were treated in a similar manner, and a simple spray of oncidium arched gracefully over each of the groups of dancers.—Le Jardin.

THE ROSE.

Early Feeding.

It will be found that in most cases, towards October 1, that the young rose stock, particularly the plants on the raised benches, will require a little feeding of some kind. At this time the roots on the plants that were benched the latter part of June or the first week in July should be very near the surface of the soil, and of course this means one must stop cultivation.

As a rule when we stop cultivating, the soil soon becomes baked in spots which makes it absolutely impossible to water evenly. If this should be the case, a very light top dressing of sheep manure or some thoroughly rotted stable manure mixed with soil (equal parts of each) scattered lightly over the beds will keep the soil in fine shape to take the water and also furnishing sufficient feeding at this time. If the plants seem to require stronger feeding, the quality can be increased by adding bone flour to the soil and manure, say about one-quarter of a peck of bone flour to each bushel of the top-dressing, mixing well before applying. This makes a top-dressing with considerable body to it, and I prefer it to using the manure alone.

If it is applied properly the surface of the soil is in about the same condition as it would be after cultivating. About one-fourth of an inch of the mulching will be sufficient, care being taken to fill the cracks at the sides of the benches and to leave the surface level.

The plants in the solid beds do better if fed with liquid manures instead of mulching at this season. As they take less water and the roots seem to go downward rather than towards the surface, cultivating can be kept up longer and by applying a weaker solution of liquid manure later better results will be obtained. Of course there may be exceptional instances where a solid bed has been filled with very light loam, over very open drainage with bottom heat. It may be necessary to mulch in this case, as the treatment would be practically the same as applied to raised benches. It is almost impossible to go by a set of rules in growing roses; what would perhaps be the best treatment for one grower's plants would not do at all for the grower a mile away if the soils were different, and I only attempt to suggest what I consider practical treatment under normal conditions.

The grower must use his own judgment regarding the time to apply the treatment as prescribed above. Plants that require feeding show different symptoms under varied conditions and cultural methods. They may show it by producing undersized flowers; again if they are very much starved the foliage will become leathery, and of a pale yellowish green color. Streaked foliage usually denotes over-watering or diseased roots, and if they are grafted plants, the manetti may be decayed at the heart, or the splice may have loosened up. Very often if the soil has been kept entirely too dry, the plants will have a droopy look the foliage showing but little substance. Dry bottom soil will cause the same appearance.

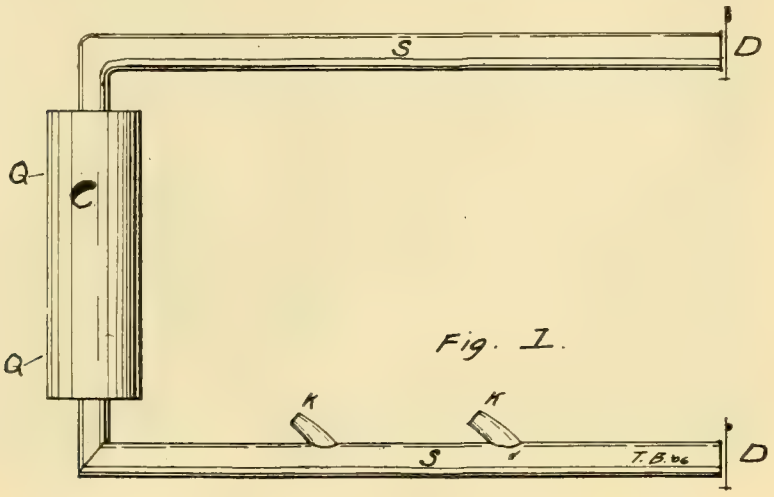
If the plants are in good color but the growth ripens quickly with stunted stems, and the hard wood near the points takes on a purple or rusty color, this is usually a sign that they require feeding and more water daily, although the feeding should not begin until they respond to the increased waterings which should occur within a week or ten days.

To be on the safe side the grower should make a careful survey of the houses and observe the plants closely and if in doubt as to just what they require in the way of feeding, I should suggest selecting a dozen or so plants of each variety in one or more of the houses and applying a light mulch on one lot of plants, a weak solution of liquid manure on another lot, and so on. The fact of the matter is one must experiment in a small way to be able to determine the best results obtainable with the grade of soil we have to handle. Notes should be kept stating the dates and the proportion of each mulch, also the amount of manure or chemicals used in mixing the liquids. Then if we find that within a week or 10 days the plants show a marked improvement under a certain treatment, we are learning something, and in this way only can we learn what is best for the plants under our personal care.

The plants should be kept neatly tied from now on. It is best to tie the plants before mulching, thus avoiding many damaged canes or bruised buds. Do not draw the growth in too close to the stakes, but pull in the growth so it will stand upright and loose enough for the free circulation of air through the plants. When tieing flower shoots, tie them just below where they are to be cut; this saves retieing, and makes the operation of cutting the flowers much easier and quicker.

Look out for Killarney and Richmond. Once they are well started they will require plenty of water, much more than Bride or Bridesmaid in the same grade of soil, and they do not seem to take kindly to the dryer treatment at any time during the season. As a warning do not neglect the roses for the chrysanthemums. If growing both prepare to treat both well, neglecting neither.

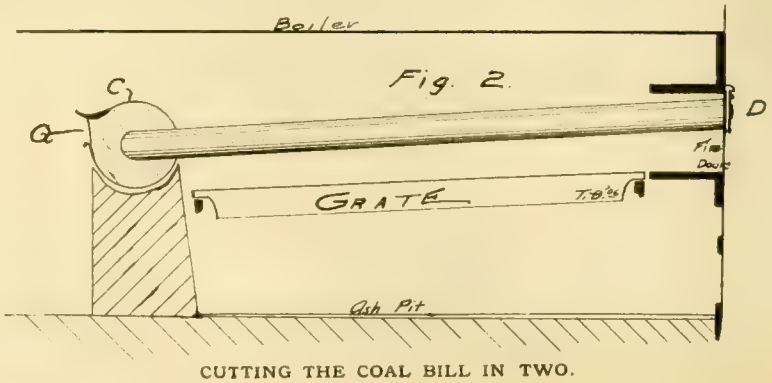
E.



CUTTING THE COAL BILL IN TWO.

Cutting the Coal Bill in Two.

Hitherto the saving which may be made by improved methods of firing boilers, has not much interested either the makers of boilers, or the users of them. Profits in nearly all industries have been sufficiently large to satisfy the vast majority of men. But coal has gradually advanced, as the demand has increased, until there is a restlessness noticeable among coal consumers, and a query arising in the minds of many, as to whether something may not be done to relieve them of their



CUTTING THE COAL BILL IN TWO.

burdens in the form of expensive fuel.

Fortunately, something may be done to help the consumer of soft coal. Two methods are available. The first is to substitute slack for lump coal as fuel. The substitution is not difficult if due care is taken in the firing.

First, as to learning to fire with slack, the grate must be well cleaned, and a fire started with shavings, or cobs, or small scraps of wood. On this is spread a thin layer of slack coal mixed with shavings, or planer chips, or broken-up cobs. When this is ignited, more of the mixture is added.

This mixture is composed of slack and shavings, or chips, half and half, bulk. Cobs, of course, may be used, care being taken never to smother a cob fire, as it will explode with a bang and a great puff of whitish smoke. This explosion is due to the sudden ignition of gases which the cobs throw off when heating and burning without a plentiful supply of air.

As I have written, the art of burning slack coal is reduced to simplicity by giving slack coal plenty of air, by mixing the slack with quick burning substances, such as chips or cobs, and by firing often and spreading evenly and thin. High stacks, which assure a great draft, will allow slack coal to be burned without using a mixture. Yet this kind of a fire requires skill to keep the coal from sliding into the ash pit before fully consumed.

If a substantial crust can be built up with the mixture, an experienced fireman can use straight slack without waste of any into the ash pit. As soon as the crust begins to be perforated by vents, it is time to charge the whole surface with an evenly spread layer of coal. Practice is the best teacher; but some give up before becoming proficient. Most of the troubles which assail beginners in the use of slack coal, is due to a too liberal charging. By using more chips than coal, by firing often and spreading thin, the art is to be mastered.

Now as to this second scheme to cut down expenses. Some may not wish to burn slack coal; and yet like to cut down bills; and some who burn slack coal, may wish to further decrease cost of firing a boiler. Two methods are here explained in detail such as will enable any competent man to apply them to ordinary boilers.

The first method in the economical burning of any kind of bituminous coal, and especially of slack, is designed particularly for the consuming of gases, and the abatement of the smoke nuisance by a more thorough combustion of the coal. Figure 1 shows this attachment, looking at it from above. The chamber C is placed just in rear of the grate; the tubes, S-S, parallel the fire; the inlets D-D penetrate the head of the boiler. The branches K-K are intended to send a supply of warm fresh air over the fire about where the air, which comes up under the grate and in through the doors, is exhausted of its oxygen.

As is well established in practice, black smoke can be practically eliminated by being burned, if fresh air can be conducted to the rear of the fire. Black smoke is unconsumed coal; black smoke can be burned; therefore, unburned, it is a waste and a dead loss to the proprietor of the boiler.

Figure 2 shows this attachment from a side view. It will be noticed that the air enters at D, is conducted to K-K, and also to the chamber C from which it escapes along the side Q-Q. Being couducted, as will be seen, above the grate, beside the fire, the air becomes heated, and when it plays over the surface of the fire (from K-K), or escapes to burn the heavy gases at Q-Q, it is hot, and what is also important, it is heated at no additional expense to

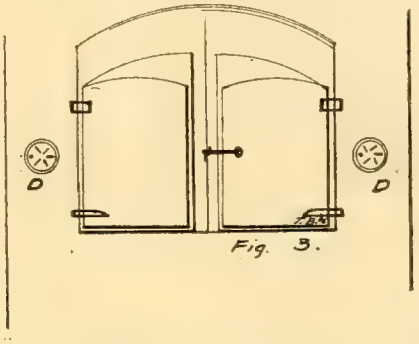


Fig. 3.

Cutting the Coal Bill in Two.

the fire. That is to say, the air is heated by the radiations of the fire; and, being heated, its oxygen unites more readily and more thoroughly with the carbon of the coal.

Figure 3 shows the inlets to the tubes, at D-D. These inlets are provided with outside dampers, by which the air may be controlled at pleasure. Looking at figure 3, it will occur to many that all boilers cannot have the tubes S-S terminate as shown at D-D. Figure 3 shows them within brick walls. These tubes S-S may be metallic tubes, or passages left in the brick. Where a boiler's fire is enclosed in iron, these tubes may be located inside, where their life is apt to be short; or they may hug the outside, being encased to help them retain the radiated heat of the boiler as much as possible. The short outlets, K-K, may be abolished altogether, if one is satisfied with getting the air to the rear of the fire, at Q-Q.

It will be observed that the air is further heated in the chamber C before it mingles with the fire and heavy fumes, because all of the fire smoke passes

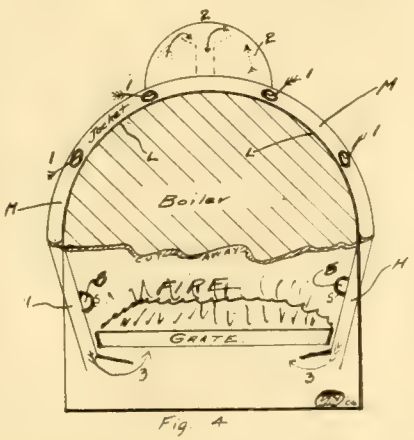


Fig. 4

Cutting the Coal Bill in Two.

over the chamber on its way to the stack. The tubes S-S may overlap each other within the chamber, receiving thus more of the heat of the fire, and, accordingly, giving off hotter air.

The second method to save coal, is more extensive, and somewhat more revolutionary. It aims not alone at supplying the fire with hot air, over and at the rear, but it is so comprehensive in scope that it provides that nothing but hot air shall be supplied to the fire, above, behind, and underneath. Furthermore, it contemplates utilizing the radiating heat of the boiler, which otherwise would be a total loss.

All the heat that escapes from a boiler is costly waste. Some manufacturers enclose their boilers as well as they can, and announce that but little heat is radiated and lost. A better way is to burn this heated air which envelops the boiler, by providing a jacket for the boiler to retain the air temporarily, until it is lead to the fire. A system of pipes conducts the heated air from under this jacket to below the grate. The suction of the stack much more than overcomes the friction caused by drawing the hot air downward from the top of the boiler to vents beneath and beside the fire.

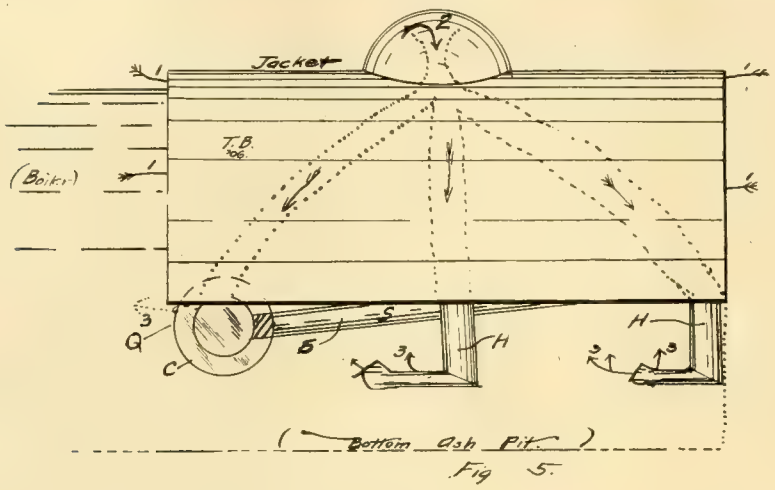
This system can be understood by a careful examination of figures 4, 5 and 6. In figure 4, the upper part of the boiler is seen, the lower part being cut away to show the fire. The customary air inlets in the doors being closed, the air, here protrayed in the form of arrows, enters the jacket at the holes 1-1-1-1, is thoroughly warmed, and ascends to the dome, seen at 2. There it descends the funnel-shaped pipe, and is conducted by pipes, H-H, in the jacket, down to the space beneath the grate, where it is seen escaping to the fire, 3-3.

Figure 5 is a side view of this contrivance, with the attachment shown in figures 1-2-3 working together. The air enters the jacket at 1-1-1-1, continues to the dome at 2, descends through the tubes shown by dotted lines in jacket, to their outlets at 3-3-3. The tubes H-H debouch under the grate; the tube to the left empties in the chamber C, provided that the arms S-S (see figure 1) are not used.

Comparison with figure 6 will make figures 4 and 5 clear. Figure 6 shows a large brick-enclosed boiler, with the brick cut away to expose the tubing. The jacket is also cut away so that the tubes, in dead black, which conduct the hot air from the dome to the grate, and to the chamber at C, may be exposed. These tubes descend on both sides of the boiler; and more than one may be located to the side. The dome may be run the whole length of the boiler, if wanted to be so constructed. Around the face of the boiler, in figure 6, may be seen the air inlets to the jacket, fitted with controlling dampers. The regular inlets in the fire and ash doors, are also provided, for when the fire is first made, and until it is burning briskly, and the stack emptying rapidly, the air is admitted in the customary way. Notice in the figure 6, that the tube X to Y is under the jacket; from Y to Z, below the grate, it proceeds through the wall. It may be exposed to direct contact with the fire a part of this dis-

tance, but it is then liable to deterioration from the great heat to which it will be subjected. The tube leading to C is cut off to show how C looks in cross section.

If one will stop to think that air must be raised to a certain temperature before it will unite with coal and produce fire; and that beyond cost of installing this system, no further cost is necessary to supply the fire with hot air, it becomes apparent that a great and continual saving can be effected by this means. THALEON BLAKE.



CUTTING THE COAL BILL IN TWO.

Boston.

STOCK SCARCE.

But for the small number of growers seen in the markets and a correspondingly small supply of stock, a casual observer would think that the flower business was at its height. Throughout the city there has been a vast increase in all branches of the trade and the salesmen instead of looking for customers as was and has been the case for two months, are now on the hunt for goods to sell. Prices have advanced rapidly owing both to decided improvement in qualities and the lively trading. The first real frost has appeared and the results are that the outdoor garden flowers are rapidly passing off for the season. Gladioli, asters, etc., are still seen in small quantities and sell quickly. There has been a noticeable improvement in the various varieties of roses. Carnations have shown a marked improvement. The supply is still below the demand. Violets at the end of the week swamped the market as there is yet but a limited call. Single violets have been predominant so far, but double ones have appeared. Gardenies are enjoying a remarkable period of popularity.

NOTES.

A remarkable accident of great interest to animal lovers, was that which happened to the splendid horse owned by J. Newman & Sons, whose team is among the first few of the city. On the afternoon of September 23 while standing at the baggage room of the North station the horse took fright suddenly and as quickly departed. In his flight he made for the Charles river and coming to the shore wall without hesitating he dived. However the wagon became fastened on shore and it was with difficulty that the horse was freed from his perilous position in the air. Bystanders cut the binding straps and he dropped into the water, immediately swimming out of sight. At different times the following two days he was seen, but not in a position to be captured. Tuesday, however, he neared the shore in the bay and after severely struggling with the officers of the police boat, he was towed to land. With the exception of a ravenous appetite and an evident desire to rest, no serious effects were noticed. The horse is now one of the curios of the city, having swam and floated steadily for over 50 hours.

The Co-Operative Flower Growers' Association of Boston transacted business on October 1 at their new market in the Music Hall building. This market is on the floor above their old quarters and has been renovated and arranged so that it is now the ideal marketing place of Boston. The most impressive feature is the well-defined and complete system of lighting which has been installed and for the lack of which the local markets have always been noted. The stalls are arranged to suit the convenience of all who frequent the market and with an excellent storage vault there is nothing missing that would in any way improve the intelligent handling of quantities of first class flowers.

Thomas Pegler, for a number of years city salesman for O. L. Dorr, is now acting in the same capacity for Samuel Goddard, of South Framingham. As Mr. Goddard is ranked with the premier carnation growers, having an extensive and model establishment, Mr. Pegler will be well fitted to display an excellent stock and there is no doubt but that he will meet with success in his new line.

At the ultra-fashionable wedding September 29, at Cohasset, of Miss M. C. Bigelow and Dr. J. L. Bremer, the extensive and elaborate decorations were by Thos. F. Galvin. For green drapings southern smilax was used to great advantage and with the addition of a fine display of palms a superb effect was produced. White asters and Easter lilies were displayed in profusion.

O. L. Dorr, of Sharon, formerly one of the most extensive violet growers in this section, has given up this branch and will devote his whole establishment to the growing of market produce.

Thos. Roland, of Nahant, is first in the market with colored chrysanthemums. At present he is displaying the first of a large crop of fancy pink blooms.

The Willow Hill Greenhouses have forced the season somewhat and are now in the market with a crop of fine Bouvardia Humboldtii.

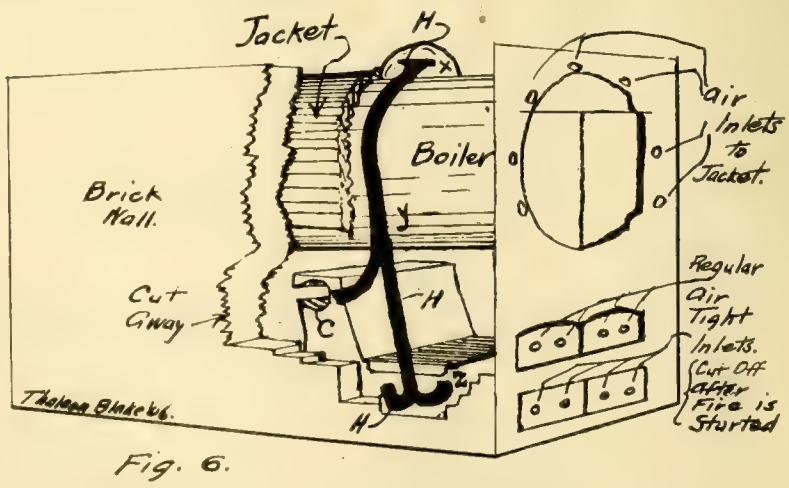
Arthur W. Merritt, formerly with J. H. Small & Sons, of New York, has been secured by Sydney Hoffman.

B.

St. Louis.

TRADE GREATLY IMPROVES.

The market has greatly improved, being reported very strong on Tuesday. The weather which had been very warm all week has now, owing to heavy rains, become cooler and from now on we can expect a more satisfactory condition in trade prices. Richmond is showing up better and there is in fact a better demand for Richmond, Chatenay and Killarney. These roses have been on the wane all summer owing to their bad keeping qualities. American Beauty is in great demand and although the supply has greatly increased they are readily



CUTTING THE COAL BILL IN TWO.

disposed of at good prices. Carnations are very scarce and good ones are cleaned out at satisfactory prices if the stems have any length. A few yellow chrysanthemums are seen. Violets have made their first appearance but are short-stemmed and have very small flowers. Asparagus Sprengeri and A. plumosus are selling well.

NOTES.

Geo. Ostertag, superintendent of Forest park, has been very busy cleaning up the park in the vicinity of the world's fair grounds in preparation of the unveiling next Thursday of the statue of St. Louis at the base of Art hill which was formerly the site of the cascades at the world's fair.

The city has purchased for $40,000 a tract of land in the north end for a breathing place and park. This park will be laid out under the supervision of Park Commissioner Aull and Superintendent Geo. Ostertag. It will be called O'Brien park.

W. J. & M. S. Vesey, Fort Wayne, Ind., are shipping some extra fine American Beauty and Maman Cochet to this market.

Andrew Meyer, Sr., has gone to Springfield, Ill., for the state fair to serve as judge in the horticultural department.

H. G. Berning was first in the market with California violets. He is at present at the Sedalia, acting as judge.

The Bentzen Floral Co, had their wagon very handsomely decorated at the vehicle parade here Monday.

Miller & Albers have leased H. L. Kerth's greenhouses. They expect a good crop of carnations.

All the wholesale houses had large orders for American Beauty for the Veiled Prophets' ball.

C. Young & Sons Co. furnished the decorations at the Veiled Prophets' ball on Tuesday evening.

F. J. Foster has a large wedding on hand where lily of the valley will be extensively used.

J. F. Wilcox is shipping some fine Bride and Bridesmaid to Geo. H. Angermueller.

Heller Bros., of Newcastle, Ind., are shipping some fine roses to this market.

C. A. Kuehn was first in the market with yellow chrysanthemums.

Ostertag Bros. had the floral opening at the American restaurant.

Chas. Ford, with A. Hermann of New York, was a visitor here. W. F.

Washington.

Business conditions continue to improve. Several weddings that call for elaborate decorations are announced for this week and the counter men report increased sales. The return of the president and family to the white house is an event which always stirs the social life of the capital and the doings of society have a powerful influence on our business. There is considerable movement in roses and carnations, though the latter are not coming in large numbers, but the dahlia is in the limelight. The Florists' Club will hold an exhibition of them on the afternoon and evening of October 2. Virginia violets continue to come in and cool weather, which now seems to have set in will soon improve the quality.

NOTES.

A fire at the range of D. I. Saunders a few nights ago, caused damage to the amount of $600, with no insurance. The fire started in the sheds and had reached the greenhouses when the firemen arrived and extinguished it. Mr. Saunders has been particularly unfortunate of late, as not long ago water, directed toward his range by city improvements, caused him no little inconvenience and damage. As an honest and hardworking member of the craft, he has the sympathy of all.

The renomination of Col. Butler Ames of the Fifth Massachusetts district, for congress, is gratifying news to his many friends in this city. As a friend and patron of horticulture, as of all honest labor, he is looked upon as a real representative of the people.

Fred. Michell came to town last week, bringing that broad and cheerful smile with him. It is surmised that he carried away a large bunch of orders. He overlooked the writer in his distribution of fine cutlery, but a lawn mower, next spring, will be just as good.

F. H. Kramer is said to have gone on an extensive tour through Arizona, California and Mexico. It is further stated that Mr. Kramer is one of a party that has mining interests in the southwest and that the object of their visit is to examine these properties.

Very few chrysanthemums have as yet appeared. Geo. H. Cooke is still holding the banner with his fine yellow blooms, which it is generally understood come from the E. G. Hill range, Richmond, Ind.

The Washington Florists' Co. will open their new store at Fourteenth and R streets, N. W., about December 1. They are building a large greenhouse in connection with the store.

The Gude Bros. Co., from present indications will have a tremendous cut of chrysanthemums. They are also keeping up their reputation for roses and carnations. S. E.

Baltimore.

MARKET FAIRLY ACTIVE.

The closing week of September was one of great warmth and humidity, but there is promise now of cooler weather and needed rain. Trade has been fairly active, the demand for funerals of some well-known citizens causing an active market early in the week. The supplies of all kinds of flowers are equal to the demand, and of field stock there is an excess. Several new consignors are sending their products this fall to the Florists' Exchange.

In the matter of advertising their wares the florists of this city seem strangely behind those of the trade in other communities. The use of the columns of the daily papers seems almost never resorted to, except perhaps rarely at the Christmas and Easter seasons. Indeed it seems that but one store here keeps a running advertisement in any of the local papers. In addition to this there is one cemetery company which announces regularly that plants and cut flowers may be had from the conservatory which it maintains in the grounds. In an era where almost every commodity is being pushed through the medium of publicity in the daily newspapers it is a matter worthy of inquiry as to why the flower trade does not resort more largely to this medium of extending business.

Albert Fiedler has bought the property, 902 South Charles street, where he has for several years carried on a steadily growing and successful business, and greatly improved it. He has largely rebuilt the house, putting in a new front with showy plate glass windows, installed electric lighting, and painted and freshened the whole premises, which now give an up-to-date appearance quite worthy of their energetic and resourceful owner. Mr. Fiedler is one of the most pushing and energetic young men in the trade.

Lehr Bros. have sold their store at 733 W. Baltimore street to W. Guerth, who will continue the florists' business in all its retail branches, the Lehrs confining themselves to the growing of flowers, carnations and chrysanthemums mainly, at their place in Anne Arundel county. S. B.

Louisville.

BUSINESS VERY GOOD.

Business the past week has been very good, and about the only stock that was hard to get was in carnations, which were certainly very scarce. Roses, with the exception of American Beauty, were very plentiful, however, some were very poor. The demand was exceptionally good. Carnations have had a heavy demand, and it is hoped the supply will soon increase. Lily of the valley has had a fair demand, the quality being good. Lilies have some demand, but the price is too high to carry much of a stock. Asters are scarcely seen, the demand having also greatly decreased. Dahlias of very good quality can be had in great quantities and find a fair demand. Green goods are in satisfactory supply. Other stock can be had in adequate quantities, and has some demand.

NOTES.

The regular meeting of the bowling club will be held Tuesday night, October 9.

The weather has turned very cool, and frost is expected at almost any time.

Manz & Neuner have been making a big display of dahlias.

The plantsmen's busy time is on once more. F. L. S.

OBITUARY.

Albert Wyckoff.

Albert Wyckoff, vice-president of the Albaugh Nursery Co., and well known in Cincinnati horticultural circles, met sudden death September 25 while on a train enroute to the east. The cause of his demise is not known. Mr. Wyckoff was 60 years of age, had served through the civil war and had escaped twice from Andersonville prison. He was at one time postmaster of Jacksonville, Ill.

FRANKLIN, MASS.—Kelley Bros., are adding a greenhouse, 22x70 feet to their plant.

THE AMERICAN FLORIST

TWENTY-SECOND YEAR.

Subscription, $1.00 a year. To Europe, $2.00 Subscriptions accepted only from those in the trade.

Advertisements, on all except cover pages, 10 Cents a Line Agate; $1 00 per inch. Cash with Order.

No Special Position Guaranteed.

Discounts are allowed **only on consecutive insertions**, as follows—6 times, 5 per cent: 13 times, 10 per cent; 26 times, 20 per cent: 52 times, 30 per cent.

Space on front pages and back cover page sold only on yearly contract at $1.00 per inch, net.

The AMERICAN FLORIST Advertising Department is for florists seedsmen and nurserymen and dealers in wares pertaining to those lines only.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Monday to secure insertion in the issue of the same week. Address

AMERICAN FLORIST CO., Chicago.

When sending us change of address always send the old address at the same time.

We do not assume any responsibility for the opinions of correspondents.

THIS ISSUE 48 PAGES WITH COVER.

CONTENTS.

Florists' forcing bulbs and roots..479
—IV. Lilium speciosum (illus.)....479
Attractive commercial places.....480
A national canna growers' association 480
Smugglers use funeral wreath.....481
Chrysanthemums 481
—Notes on varieties.....481
—Cultural reminders 482
Palms and ferns—Seasonable notes.482
The retail trade.....483
—A funeral wreath (illus.).....483
—A French table decoration (illus.).483
The rose—Early feeding.....484
Cutting the coal bill in two (illus.).484
Boston 486
St. Louis 486
Washington 487
Baltimore 487
Louisville 487
Obituary—Albert Wyckoff 487
Correction 488
The gulf coast storm 488
The Chicago flower show.....488
American Carnation Society.....488
Chrysanthemum Society of America.488
Coming exhibitions 489
Meetings next week.....489
Chicago 492
Philadelphia (illus.) 494
Parkersburg, W. Va.....494
New York 496
The seed trade.....500
—Rochester, N. Y. 500
—Ohio vegetable growers indicted..500
—Vaughan's Osage Gem melon renamed 500
—Wisconsin peas and beans.....500
—Among Boston seedsmen.....500
—Foreign competition 502
Indianapolis 502
Kansas City 502
The nursery trade 504
Pittsburg 504
Buffalo 504
Toronto 504
New Orleans 504
Grand Rapids, Mich. 505
American Institute show.....510
Spokane, Wash. 510
Special illustrations:
—I. L. Pillsbury's plant house, Galesburg, Ill. 480, 481

THE question of Christmas greens is now a live one with the wholesale dealers. Reports so far are too indefinite to draw conclusions from.

A SECRET conference of window glass manufacturers is being held in Pittsburg for the purpose, it is said, of devising plans to abolish the jobber and form a selling pool.

SENDERS of photographs should always send their names and addresses with the pictures. The correspondent who sent in photo of a field of asters would oblige by sending his name and address.

Correction.

In our last issue we referred to D. C. Noble whose correct address is Columbia City, Ind., instead of Columbia, S. C., as given.

The Gulf Coast Storm.

The gulf coast has been again visited by a very disastrous storm and many of the florists have suffered heavily. Mobile, Ala., and Pensacola, Fla., have been the chief losers. At the Chatogue Greenhouses the loss was about $12,000. The big new house shown in the foreground of the illustration in our issue of September 22, page 397, is flat on the ground. Ten thousand chrysanthemums and 10,000 carnations in this house are a total loss. All the rose houses were badly damaged, but will be in shape before cold weather.

Miss Maria Minge will lose heavily by damage to her fern houses, which were exposed to the full force of the wind.

At the Industrial Gardens, where old construction prevailed, the greenhouses are a total wreck.

Alex. Duplan's house was entirely destroyed.

The estimated loss in Mobile county is 150 lives and about $1,500,000.

The Chicago Flower Show.

There was a very enthusiastic meeting of those interested in the flower show at the Union restaurant meeting Monday evening. All branches of the trade, incluuding the large cut flower growers, were well represented. Many useful suggestions were made for the guidance of the working committees, among the speakers being James Keeley, of the Chicago Tribune; Benj. Hammond, of Fishkill-on-Hudson, N. Y., and C. S. Ford, of Philadelphia.

Mr. Keeley surprised many of those present by stating that in his boyhood days he was connected with the business and that it was part of his work to market the product at Covent Garden, London. When he recalls those days it is small wonder that he has a warm spot in his heart for the trade. The unity of purpose among those interested and their determination to make the coming show the best ever held now point conclusively to an exhibition of which the Horticultural Society and the Chrysanthemum Society of America may well feel proud and it remains with the exhibitors to get their material ready in good time. The local committees will do the rest.

In this connection we may state that the special prize list of the latter society has been issued and we understand that it will be incorporated in the revised premium list of the Horticultural Society, which is now in the hands of the printer. Copies of this revised premium list may be had on application to Willis N. Rudd, secretary, First National Bank building, Chicago, as per advertisement in this issue. Exhibitors should remember that this is a 6-day show, commencing Tuesday, November 6, and ending Sunday night, November 11.

A very encouraging letter from Chas. L. Hutchinson was read and the design for the local society's medal, which is now in a fair way to become a substantial reality, was shown at the meeting and generally approved. It is expected the medals will be ready for distribution next month.

American Carnation Society.

CARNATIONS REGISTERED.

Welcome, a pink sport of Mrs. T. W. Lawson, the color of a Bridesmaid rose, identical with its parents excepting in color and calyx which seldom bursts. Color and habit permanently fixed, now in its fourth year. Submitted by Dailedouze Bros., Flatbush, N. Y. This variety is registered provisionally and subject to the approval of the judges at the show in Toronto, Ont., next January.

By F. Dorner & Sons Co., Lafayette, Ind.: Red Chief.—An even clear shade of scarlet, very early and exceptionally free.

Bonnie Maid.—Edged white and shaded to a pink center.

Winona.—A clear medium pink.

ALBERT M. HERR, Sec'y.

Chrysanthemum Society of America.

EXAMINING COMMITTEES.

President Duckham has announced the committees to examine seedlings and sports on dates as follows: October 6, 13, 20, 27 and November 3, 10, 17 and 24, 1906. Exhibits to receive attention from the committees must in all cases be prepaid to destination and the entry fee of $2 should be forwarded to the secretary not later than Tuesday of the week preceding examination, or may accompany the blooms. Special attention is called to the rule requiring that sports to receive a certificate must pass three committees.

New York, Eugene Dailledouze, chairman, 55 and 57 West Twenty-sixth street, New York, Thos. W. Head and Wm. Turner.

Philadelphia, Pa., A. B. Cartledge, chairman, 1514 Chestnut street, John Westcott and Wm. K. Harris.

Boston, Mass., E. A. Wood, chairman, Wm. Nicholson and James Wheeler. Ship flowers to Boston Flower Market, care of John Walsh.

Cincinnati, O., R. Witterstaetter, chairman, James Allen and Wm. Jackson. Ship flowers to Jabez Elliott Flower Market, care of janitor.

Chicago, J. S. Wilson, chairman, J. B. Deamud and Geo. Wienhoeber. Ship flowers care of J. B. Deamud, 51 Wabash avenue.

OFFICIAL JUDGING SCALES.

The official scales of the society are as follows:

FOR COMMERCIAL PURPOSES.

Color	20
Form	15
Fullness	10
Stem	15
Foliage	15
Substance	15
Size	10
Total	100

FOR EXHIBITION PURPOSES.

Color	10
Stem	5
Foliage	5
Fullness	15
Form	15
Depth	15
Size	35
Total	100

DAVID FRASER, Sec'y.

Coming Exhibitions.

BOSTON, MASS., November 2-4, 1906.—Chrysanthemum exhibition Massachusetts Horticultural Society. Address Wm. P. Rich, Horticultural hall, 300 Massachusetts avenue, Boston, Mass.

CHICAGO, November 6-12, 1906.—Annual exhibition Horticultural Society of Chicago. Address Willis N. Rudd, Blue Island, Ill.

DENISON, TEX., November 8-10, 1906.—Annual flower show, Denison Civic Improvement League. Address T. W. Larkin, Denison, Tex.

LENOX, MASS., October 24-25, 1906.—Chrysanthemum exhibition, Lenox Horticultural Society. Address Geo. Foulsham, Lenox, Mass.

LOS ANGELES, CAL., October 31—November 3, 1906.—Autumn exhibition Southern California Horticultural Society. Address Ernest Braunton, 115½ N. Broadway, Los Angeles, Cal.

MADISON, N. J., November 1-2, 1906.—Eleventh annual flower show Morris County Gardeners' and Florists' Society. Address E. Reagan, Box 315, Morristown, N. J.

NEW HAVEN, CONN., November 6-8, 1906.—Annual exhibition New Haven County Horticultural Society. Address Thos. Pettit, 90 Prospect street, New Haven, Conn.

PROVIDENCE, R. I., November 9-10, 1906.—Chrysanthemum and carnation exhibition Rhode Island Horticultural Society. Address C. W. Smith, 27-29 Exchange street, Providence, R. I.

RED BANK, N. J., October 31-November 1, 1906.—Ninth annual exhibition Monmouth County Horticultural Society. Address H. A. Kettel, Red Bank, N. J.

SANTA BARBARA, CAL., October 17-18, 1906.—Chrysanthemum exhibition Santa Barbara County Horticultural Society. Address Thos. Poole, Santa Barbara, Cal.

TARRYTOWN, N. Y., October 30-November 1, 1906.—Eighth annual exhibition Tarrytown Horticultural Society. Address E. W. Neubrand, Tarrytown, N. Y.

TORONTO, ONT., November 6-10, 1906.—Annual Ontario Horticultural exhibition. Address H. B. Cowan, Parliament Buildings, Toronto, Ont.

WORCESTER, MASS., November 8, 1906.—Chrysanthemum exhibition Worcester County Horticultural Society. Address Adin A. Hixon, Horticultural hall, 18 Front street, Worcester, Mass.

Meetings Next Week.

Baltimore, Md.—Gardeners' Club of Baltimore, Royal Arcanum building, 18 W. Saratoga street, October 8, at 8 p. m.

Buffalo, N. Y.—Buffalo Florists' Club, 383 Ellicott street, October 9, at 8 p. m.

Butte, Mont.—Montana Florists' Club, Columbia Gardens, October 12.

Chicago.—Chicago Florists' Club, Handel hall, 40 Randolph street, October 11, at 8 p. m.

Chicago.—Gardeners' and Florists' Union No. 10615, 1012 Clark street, October 10.

Cincinnati, O.—Cincinnati Florists' Society, Jabez Elliott Flower Market, October 13, at 8 p. m.

Cleveland, O.—Cleveland Florists' Club, Progress hall, 244 Detroit street, October 8, at 8 p. m.

Dayton, O.—Dayton Florists' Club, 112 South Main street, October 8.

Denver, Col.—Denver Floral Club, 323 Charles Block, October 12, at 8 p. m.

Hartford, Conn.—Hartford Florists' Club, October 12, at 8 p. m.

Madison, N. J.—Morris County Gardeners' and Florists' Society, Masonic hall, October 10, at 7:30 p. m.

Moline, Ill.—Tri-City Florists' Club, October 11.

New Bedford, Mass.—New Bedford Florists' Club, October 11.

New London, Conn.—New London County Horticultural Society, Elks' hall, October 10.

New York.—New York Florists' Club, Grand Opera House building, 8th avenue and 23d street, October 8, at 7:30 p. m.

New York.—Horticultural Society of New York, American Institute rooms, October 10, at 8 p. m.

Omaha, Neb.—Nebraska Florists' Society, City hall, October 11, at 8 p. m.

St. Louis, Mo.—St. Louis Florists' Club, Grand and Shenandoah streets, October 11, at 2 p. m.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

Cash with Adv.

Plant Advs. NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1906 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—As fireman: experience and reference. Address JOHN WATTS, Newtown, Pa.

Situation Wanted—By first-class orchid grower and gardener, fully up-to-date: best of references. Address Key 788, care American Florist.

Situation Wanted—By experienced grower of carnations, roses and pot plants; thoroughly experienced in landscape gardening, and is open to engagement in public or private garden. Address Key 795, care American Florist.

Situation Wanted—By an all-around florist and gardener; age 48 years; German; life experience; to take charge of a private or commercial place; first-class references given; good wages expected. Please give full particulars in first letter. Address Key 793, care American Florist.

Help Wanted—A good man for roses and chrysanthemums. Inquire EMIL BUETTNER, Park Ridge, Ill.

Help Wanted—A good all-around grower for 'mums, violets, carnations, roses, etc. Address Key 792, care American Florist.

Help Wanted—A night fireman; soft coal; $12.00 per week; references required. Address JOHN RECK & SON, Bridgeport, Conn.

Help Wanted—Young man from 16 to 20 years of age, to learn the florist business. Apply to JOHN L. WYLAND De Haven, Pa.

Help Wanted—A first-class carnation grower. Wages $45.00 to $50.00 per month; send references. HASKELL AV. FLORAL CO., Dallas, Texas.

Help Wanted—Experienced help for rose and carnation section; also general florist's work. THE GASSER CO., 234 Euclid Ave., Cleveland, O.

Help Wanted—A good grower for cut flowers and plants, one to take charge. Address, stating wages and references. Key 783, care American Florist.

Help Wanted—Wire worker to make wire designs; fine position to good man; wages $18.00 per week and percentage. Address Key 797, care American Florist.

Help Wanted—A rose grower to take charge of a section; must be sober and reliable; state references and wages. Address C. C. POLLWORTH CO., Milwaukee, Wis.

Help Wanted—Good general greenhouse man for Illinois commercial establishment. Send full particulars of experience and references. Address Key 796, care American Florist.

Help Wanted—Thoroughly competent man for growing general greenhouse stock. Address, stating experience, references and wages desired. IOWA SEED COMPANY, Des Moines, Ia.

Help Wanted—Man to run four small greenhouses; will pay $3.50 per week, with board, room, washing and everything found; good home for the right man. Key 786, care American Florist.

Help Wanted—Manager, married, for a good farm of about 500 acres in western North Carolina, about 150 acres in cultivation. Give references, etc., in first letter. Address L. GREENLEE, Old Fort, N. C.

Help Wanted—A man to grow lettuce, and with some experience in flowers; he must be sober and industrious. State in your first letter wages wanted. A permanent job. Address ERNSBERGER BROS., Decatur, Ind.

Help Wanted—Single man for private place; middle aged; must understand how to grow roses, etc. Will pay from $50.00 to $55.00; good place for the right man; no drinking man need apply. C. UFFLER, Govanstown, Baltimore, Md.

Help Wanted—First-class decorator and store man; only one who is thorough in all details of high-class decorating need apply. Good salary to right man. Address Key 791, care American Florist.

For Rent—About 25,000 feet of glass near Chicago, planted in roses, carnations and 'mums. Will sell stock cheap. Address Key 794, care American Florist.

For Sale—2,000 feet of good, heavy, 4-inch boiler flues at 8 cents per foot. Address JOSEPH LABO, Joliet, Ill.

For Sale—Nine greenhouses, dwelling house and barn, 3½ acres of ground. For particulars address P. O. Box 109, Newtown, Bucks Co., Pa.

For Sale—All the glass 10x12 double strength A, on five houses, each 20 ft. by 115 ft., for $500 as it stands. Will include sash bars and doors. BRANT & NOE FLORAL CO., W. Peterson and N. 48th Aves., Chicago.

For Sale—Worthington duplex steam pump, capacity 30-40 gal. per minute in good condition, $45.00; No. 1 receiver and fittings for pump, good as new $50.00. Dean pump for hand or steam, almost new, $20.00; 6-inch pressure regulator, used two seasons, $50.00; 2½-inch pressure regulator, $18.00. Carnation supports $15.00 per 1000; $125.00 for 10,000. JAMES W. DUNFORD, Clayton, Mo.

FOR SALE.

Des Moines, Iowa, wholesale and retail greenhouse establishment, 29,000 feet of glass, three acres of ground, well located, all in good order, with good wholesale and retail trade. Price, about $8,400; terms reasonable.

VAUGHAN'S SEED STORE
CHICAGO.

BOILERS.

One 80 H. P. return tubular, one 32 H. P. upright tubular, for sale at buyer's price. Must be moved at once. Address

1418 Washington Ave.,
PHILADELPHIA.

GLASS.

We have for sale a lot of 16x18 glass A. & B. D. S., at a low price.

A. DIETSCH CO.,
617 Sheffield Ave., CHICAGO.

If anyone with

$4,500.00 CAPITAL

wants an up-to-date florist establishment that pays over $5,000.00 per year, he can get it with satisfaction guaranteed by writing

W. BUTLER,
FLORIST,
CHILLICOTHE, . - OHIO.

GLASS FOR SALE.

We have for sale a quantity of A. and B. double thick, Pennsylvania hand made, tank glass, all of which runs exceptionally uniform in quality and thickness. Terms cash. Inquiries solicited.

King Construction Co.
NORTH TONAWANDA, N. Y.

Make Your Want Known

If you want to get rid of it. A want advertisement in the

AMERICAN FLORIST

will do what you want. Try it now. Back of every ad is a real want, so it pays to answer them. : : : : :

SUPPLIES FOR

WESTERN FLORISTS.

We carry a full assortment and can save you time and money.

Ask For Price List.

The Barteldes Seed Co.

DENVER, COL.

Please mention the American Florist when writing.

ASPARAGUS

PLUMOSUS NANUS, 2-inch pots, $3.00 per 100; $25.00 per 1000, transplanted from the bench, $2 50 per 100; $20.00 per 1000.

SPRENGERI, 2-inch, $3.00 per 100; $25.00 per 1000, from bench, $2.50 per 100; $20.00 per 1000.

WM. CLARK, Colorado Springs, Col.

Please mention the American Florist when writing

RICE BROTHERS

WHOLESALE 113 N. 6th St.,

SHIPPERS of home grown Cut Flowers, prising the newest varieties of blooms. F of supplies and decorative greens. Trial order solicited. Weekly price list issued.

MINNEAPOLIS, MINN.

Please mention the American Florist when writing.

H. WOODS, 127 S. Water St. CHICAGO.

We wish to buy in car lots Holly, Mistletoe, Southern Smilax, Needle Pine, Magnolia, Sago and other Palm Leaves.

Write us for prices on all lines of Holiday Greens, Holly and other wreaths, Evergreen Wreathing, etc.

WE ARE BOOKING ORDERS FOR

Nephrolepis Amerpohlii

The Sensational New Fern.
Awarded Highest Certificate of Merit at the S. A. F. Convention, 1906.

JANESVILLE FLORAL CO , Janesville, Wis.

Asparagus Crawshawii

A Beautiful Asparagus, superior to all others in many respects.

Seedlings, $3.00 per 100; $25 00 per 1000 Transplanted seedlings, $5.00 per 100; $40.00 per 1000. Sample, 10c.

JAMES CRAWSHAW, 403 Plainfield St., **PROVIDENCE, R. I.**

FERNS, IN FINE SHAPE

PIERSONI....6-in., 35c; 5-in. 25c; 4-in., 15c.
BOSTON.....5-in., 25c; 4-in., 15c.
SCOTTII.....5-in., 30c; 4.in., 20c.
ANNA FOSTER.....2½-in., 4c

All No. 1 stock. CASH PLEASE.

BENJ. CONNELL, Florist West Grove, Pa

PANSY PLANTS.

My Giant Pansy Plants, finest in the market in size and color. Taken from the Bugnot, Masterpiece, Perret, Parisian and other varieties. From my own home-grown seeds. Ready now: **$2.50** per 1000; **50c** per 100, postpaid. Send for prices on 5000 lots. Cash with order.

Double Daisies 25c per 100; by mail, 50c, postpaid.

F. A. BLINN. Cromwell. Conn.

Carnations

For Sale. Strong, healthy, field-grown plants

	Per 100	1000		Per 100	1000
B. Market..	$4.00	$30.00	Harlowarden	$4.00	$35.00
Guar. Angel.	3.00	25 00	Crusader	4.00	35.00

Sprengeri, out of 2½-in., fine stock, $4.00 per 100.

SCHEIDEN & SCHOOS,
Asbury and Warren Aves. **Evanston, Ill.**

Please mention the American Florist when writing

NEW CROP SOUTHERN WILD SMILAX

The Man Who Gave You The Wild Smilax.

Is Now Ready for Shipment.

Twenty-four (24) hours notice necessary on telegraphic orders.

Caldwell The Woodsman Co.

EVERGREEN, ALABAMA.

Please mention the American Florist when writing.

New Crop Dagger and Fancy Ferns

$1.00 per 1000.

FOR EVERY OCCASION.

HARDY CUT DAGGER and **FANCY FERNS,** per 1000..1.00
Discount on large orders.
BRILLIANT BRONZE and **GREEN GALAX,** per 1000.. 1.00
10.000 lots $7.50.
BOUQUET GREEN, per hundred yards..... 7.00
LAUREL FESTOONING, good and full, 5c to 6c per yard
LAUREL WREATHS, per dozen..... 3.00
BRANCH LAUREL, per bunch.....$ .50
BOXWOOD, per pound..... .20
LEUCOTHOE SPRAYS, per hundred..... 1 00
GREEN and **SPHAGNUM MOSS,** per barrel 1.00
LYRATA, which makes a fine substitute for decorations for June.

Also headquarters for all Florists' Supplies, such as **Milkweeds, Wire Designs, Cut Wire,** all kinds of **Letters, Immortelles, Cycas Leaves,** sheaves of **Wheat, Ribbons, Corrugated Boxes** of all kinds, etc.

HENRY M. ROBINSON & CO., L. D. Phone 7618 Main. **8 to 11 Province St., Boston, Mass.**

Extra Fine New Crop FANCY FERNS

$1.00 per 1000
Discount on large orders.

GALAX.....**per 1000, $1.25**

Send for our weekly price list on Cut Flowers. Let us have your standing order for Ferns; will make price right all through the season.

MICHIGAN CUT FLOWER EXCHANGE

WM. DILGER Mgr. 38 and 40 Broadway formerly Miami Ave., DETROIT, MICH

FERNS.

Extra Fine and Cheap.

FROM BENCH. Boston, 3-inch. 5c; 6-7-in., 15c. Boston and Piersoni. 4-inch. 10c.; 5-inch, 12½c. Tarrytown, 3-inch. 10c.; 4-inch, 15c; 6-inch, 25c; Tarrytown Runners, fine stock, $2.00 per 100. Scottii, 3-inch, 8c; 4-inch, 12½c; 5-inch, 15c.

PRIMROSE, Chinese, white, strong, 2-in., 1½c.
JERUSALEM CHERRIES, field-grown, for 4-in., 3c.
FLOWERING BEGONIAS, 8 kinds, 2-inch. 2½c.
REX BEGONIAS, 2-inch, 4c.
ASPARAGUS SPRENGERI, 2½-in., $2.00 per 100.
Dbl. ALYSSUM, Giant white, 2-inch, 2c.
PANSIES, Giant, $3.00 per 1000.
Dbl. DAISIES, Snowball, Longfellow, Delicata, $2 50 per 1000. **STEVIA** Serrata, field, 4c.
RUBBERS, top grown, 4-5-inch, 15c and 25c.

Cash or C. O. D.

BYER BROS., Chambersburg Pa.

Please mention the American Florist when writing

TAKE MY WORD FOR IT.

—THE—

Rose Pink Enchantress

Will pay you well to invest in.

It is a variety of superior merit, both free and "fancy," and of a color that you have been looking for in vain during the past two seasons.

Price: $7.00 per 100: $60.00 per 1000.

S. S SKIDELSKY,
824 No. 24th Street, PHILADELPHIA, PA.

Descriptive circular on application.

Please mention the American Florist when writing

Southern Smilax

Now Ready in limited quantities for immediate use.

Everything **worth while** in Southern Evergreens.

EDWARD A. BEAVEN,
Evergreen, Ala.

For Best Results

Advertisers should mail new advertisement and changes so as to reach us on Mondays.

Great Chicago Flower Show

—TO BE HELD IN CONNECTION WITH THE—

Annual Convention and Exhibition

—OF THE—

Chrysanthemum Society of America

At the Coliseum, November 6-12, 1906.

FOR REVISED PREMIUM LIST

Address WILLIS N. RUDD, Secretary,

First National Bank Building. - - CHICAGO.

ARAUCARIA EXCELSA.

As usual at this season of the year we are again carrying an immense stock of Araucarias which we offer at very favorable prices. These plants travel safely by freight to reasonable distances at this season of the year. Why not lay in a sufficient supply now to carry your sales through the holidays, saving heavy transportation charges later on.

ARAUCARIA EXCELSA.

5-inch pots, 8 to 10 inches high, 3 tiers.....$ .65 each
6-inch pots, 12 to 14 inches high, 3 to 4 tiers..... .75 each
6-inch pots, 14 to 16 inches high, 4 tiers..... 1.00 each
6-inch pots, 16 to 18 inches high, 4 tiers..... 1.25 each
7-inch pots, 20 to 22 inches high, 5 tiers..... 1.50 each

ARAUCARIA EXCELSA GLAUCA.

5-inch pots, 8 inches high, 2 tiers.....$ .75 each
6-inch pots, 13 to 15 inches high, 3 tiers..... 1.25 each
7-inch pots, 22 to 24 inches high, 4 to 5 tiers..... 2.00 each

ARAUCARIA ROBUSTA COMPACTA.

6-inch pots, 10 inches high, 2 to 3 tiers.....$1.25 eac
6-inch pots, 12 inches high, 3 tiers.....

For a complete list of seasonable Plants, Bulbs an see our current Wholesale List.

HENRY A. DREER, 714 Chestnut St., **PHILADELPHIA, PA.**

GRAFTED ROSES. EXTRA FINE PLANTS FREE FROM MILDEW.
Killarney, 3½-in. pots.....15c
Liberty, Kaiserin, Maid, 3½-in. pots, $12.00 per 100
ON OWN ROOTS.
Richmond, Perle, 3-in pots.....$6.00 per 100
Bride, Maid, Golden Gate, Kaiserin, Liberty, Wootton, 3-in. pots.....$4.00 per 100
J. L. DILLON, Bloomsburg, Pa.

Muskogee Carnation Co.
Get your flowers cut fresh from greenhouse.
AMERICAN BEAUTY, BRIDE, MAID, RICHMOND and CARNATIONS.
All fancy varieties; also surplus stock of Bride and Maid, 4-inch pots. Fine plants.
MUSKOGEE, IND. TER.

The Regan Printing House
LARGE RUNS OF
CATALOGUES —OUR— SPECIALTY
WRITE FOR FIGURES.
83-91 Plymouth Place, CHICAGO.

GET NEW CUSTOMERS By placing your specialties before the purchasing florists of the entire country by advertising in
Send Copy Now. THE AMERICAN FLORIST.

CARNATION PLANTS, EXTRA FINE, FIELD-GROWN.
No better plants anywhere: Joost, Wolcott, Pond, Prosperity and 100 White Lawson; per 100, $5.00. Terms cash.
M. J. SCHAAF, Dansville, N. Y.

Chicago.

TRADE EXCELLENT.

Trade conditions still maintain a high average of excellence, with stock a trifle short, prices firm and a daily influx of orders both local and shipping. This is accredited mostly to the weather, which has been cool and dark, with a tendency to shorten stock and elevate prices. Large, substantial orders were filled last week which caused an interchange of business. The retailers, however, are complaining bitterly. They cannot purchase good carnations for anything like reasonable figures and count themselves fortunate at that if they can obtain any of this stock that is really good. There is a dearth of good carnations, most of the material being short-trimmed, extremely soft, and under ordinary circumstances would be relegated to the dump heap. The old reliable substitute, the aster, is also in very bad condition. The white varieties are dirty, short-stemmed and at best but poor specimens. Roses, while fairly plentiful, are not over-abundant and bring stiff prices. American Beauty is not so plentiful as last week although no increase in price was noted. Liberty, Chatenay, Bride and Bridesmaid are in sufficient supply to cover all orders, bringing good figures. The stock, as a whole, is a decided improvement over that of preceding weeks, particularly Bridesmaid. Chrysanthemums are again becoming the center of interest. Some of the earlier varieties drift in and they are eagerly snatched up by the better class of retailers. In the course of a few days, several large houses will open the chrysanthemum season with heavy cuts of Monrovia and Bergman. Extensive preparations are being made for a season of keen competition and some fine blooms are expected.

NOTES.

Benj. Hammond, the well-known insecticide man of Fishkill-on-Hudson, has been calling on his numerous friends in the trade here. He had not visited Chicago since the world's fair and found the place so greatly changed that he lost himself in the city, although, as he stated, in his early days, when the impressions received are hard to obliterate, he was a resident of this state. He declared himself simply amazed when he reviewed the Rose Hill, Poehlmannville, Western Springs and Hinsdale establishments and allowed that there was some ground for pride in the enterprise of our citizens.

The Foley Mfg. Co., on account of its rapidly extending business, has been forced to acquire over three acres of land on Western avenue and Twenty-sixth street for an entirely new plant. This property comprises 47 city lots in an excellent location for this business and to provide for future development some adjoining property has been advantageously leased for a long term. This should hold the "baby" for a while, but we all know he is hard to hold.

Bassett & Washburn expect to open the chrysanthemum season with some heavy cuts this week. They have about 50,000 of the white and yellow varieties, mostly grown to single stems, Monrovia and Bergman predominating. The firm is also bringing in a fine lot of roses and reports a booming business. Michael Rocklin, formerly of Fisher & Rocklin, Kalamazoo, Mich., is now in their employ.

Poehlmann Bros. rejoiced last Tuesday in the receipt of a telegram from August Poehlmann, who is attending the Springfield state fair, saying that the company had been awarded 10 first prizes on roses and seven firsts on carnations.

The next regular meeting of the Florists' Club will be held October 11. This meeting will be quite important, as flower show and other business, including the election of officers, will come up for consideration.

Edw. Amerpohl of the Janesville Floral Co. spent several days in the city last week. He booked a large number of orders for his new fern, the Amerpohlii.

Kennicott Bros. handled an exceptionally large quantity of carnations last week. Their shipping tickets October 1, showed 10,000 carnations received and sold.

Wietor Bros. are cutting some fine Monrovia chrysanthemums this week. The familiar yellow flowers attract much attention and sell rapidly.

The trade visitors at the state fair early this week included H. W. Buckbee, Aug. Poehlmann, E. F. Winterson and Fritzy Bahr.

Catherine Zender, one of Peter Reinberg's many nieces, was one of the prize winners at the Riverview park baby show.

Peter C. Reinberg is cutting heavily of his new Marshall Field rose. The stock is exceptionally fine and sells readily.

Joseph Smely, of Aurora, Ill., passed through this city on his way to Cleveland, where he will visit his mother.

August Martial, of New York, has opened a first-class flower shop at Sixty-third street and Ashland avenue.

A. I. Simmons, captain of the seventh infantry, I. N. G., has been appointed to the staff of the governor.

Weiland & Risch are cutting fine Killarney in quantity. About 5,000 constitutes their daily supply.

L. Coatsworth left the city September 28 for Romney, Ont., where his family is now rusticating.

Prof. Hasselbring is again in the city, having returned from a visit to his old home in Flint, Mich.

Miss Wolf, of the J. A. Budlong Co., has returned from her Colorado vacation.

Webb Randall left the city October 4 to spend a fortnight at West Baden.

Vaughan & Sperry disposed of a single lot of 5,000 carnations last week.

Ed. Winterson made a short business trip to Springfield last week.

John Thorpe has been very much under the weather of late.

Visitors: Geo. F. Crabb, of Crabb & Hunter, Grand Rapids, Mich.; Benj. Hammond, Fishkill-on-Hudson, N. Y.; Mrs. J. E. Rennison and daughter, Sioux City, Ia.; W. S. Hizer, Rockford; Edward Amerpohl, Janesville, Wis.; W. N. Campbell, of Vaughan's Seed Store, New York.

MITCHELL, S. D.—The 1906 corn palace was opened September 23, and everything was in its favor. The Kilties band is the main musical attraction. Inside the palace are exhibits of plants, flowers and bulbs, and fruit and nursery stock outside. The Newburys report that trade was never better than at present, and that the general prosperity is reflected in the way people are buying flowers, plants, shrubs and trees.

Bassett & Washburn
76 & 78 Wabash Ave., CHICAGO,
Wholesale Dealers and Growers of **Cut Flowers**
GREENHOUSES: HINSDALE, ILL.

The Geo. Wittbold Co.
1657-1659 Buckingham Place, CHICAGO.
The only retail florist in Chicago who grows his own cut flowers.
FUNERAL WORK ORDERS, OUR SPECIALTY.

Chas. W. McKellar
51 Wabash Ave., CHICAGO.

ORCHIDS
A Specialty.
Fancy Stock in VIOLETS, VALLEY, ROSES, BEAUTIES, CARNATIONS and a full line of all Cut-Flowers. Greens, Wire-Work and FLORISTS' SUPPLIES.
Send for Complete Catalogue.

E. F. WINTERSON CO.
45-47-49 Wabash Ave., CHICAGO.
All Cut Flowers in Season.
SEND YOUR FALL SUPPLY ORDERS TO
"Leading Florists' Supply House of the West."
WE CARRY EVERYTHING IN SUPPLIES.

E. H. Hunt,

WHOLESALE

Cut Flowers

"THE OLD RELIABLE."

76 Wabash Ave., ...CHICAGO.

Please mention the American Florist when writing.

E. C. AMLING

THE LARGEST, BEST EQUIPPED, MOST CENTRALLY LOCATED WHOLESALE CUT FLOWER HOUSE IN CHICAGO.

32, 34, 36 RANDOLPH ST., CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Please mention the American Florist when writing

WEILAND & RISCH

Wholesale Growers and Shippers of CUT FLOWERS

59 Wabash Ave., CHICAGO.

'Phone Central 879.
Write for our wholesale price list.

WHOLESALE FLORISTS

Please mention the American Florist when writing.

Jensen & Dekema

CARNATION SPECIALISTS

674 W. Foster Ave., CHICAGO.

Please mention the American Florist when writing

SINNER BROS.

WHOLESALE CUT FLOWERS

60 Wabash Ave., Chicago.

Careful attention to all SHIPPING ORDERS.

Please mention the American Florist when writing.

J. B. DEAMUD, Pres. W. P. KYLE, Vice-Pres. ALEXANDER NEWETT, Mgr.

J. B. DEAMUD CO.

51 and 53 Wabash Ave., CHICAGO.

WE ARE RECEIVING A FIRST-CLASS LINE OF

Roses, Carnations, Valley, Etc.

Our **Fancy Ferns** and **Wild Smilax** are the best in the market.

Send us your orders. Long Distance 'Phone Central 3155.

Please mention the American Florist when writing.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty.....

WHOLESALE GROWER of **CUT FLOWERS**

Wholesale Flower Markets

CHICAGO, Oct. 3.

Roses, Beauty, 30 to 36-in. stems		4 00
" " 20 to 24 "	2.50@	3.00
" " 15 to 18 "	1.50@	2.00
" " 12 "	.75@	1.00
" Liberty, Chatenay	3.00@	6.00
" Bride, Bridesmaid	3.00@	6.00
" Golden Gate	3.00@	6.00
" Killarney, Richmond	4.00@	10.00
Carnations	1.00@	1.50
" fancy		2.00
Lily of the valley	2.00@	4.00
Cattleyas.....per doz. $6.00@$7.50		
Harrisii lilies.....per doz. $1.50		
Asparagus plumosus, per string 35 to 50c.		
" " .35@ 1.00 per bu.		
" Sprengeri	2.00@	4.00
Galax leaves.....per 1000, $1 25		.15
Adiantum	.75@	1.00
Fancy ferns....per 1000.....1.50		
Smilax.....per string, 10c @12½c		
Sweet peas		.50
Asters	1.50@	2.00
Auratum lilies .....doz., 1.50		

Poehlmann Bros. Co.

Wholesale Growers of and Dealers in **Cut Flowers.**

All telegraph and telephone orders given prompt attention.

Greenhouses: MORTON GROVE, ILL.

35-37 Randolph St., CHICAGO.

WIETOR BROS.,

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.

51 Wabash Ave., CHICAGO.

Be your own Commission Man

THE FLOWER GROWERS' MARKET

furnishes the facilities.

See PERCY JONES, Mgr.

60 Wabash Ave., CHICAGO.

Vaughan & Sperry,

Wholesale Florists,

58 and 60 Wabash Ave., CHICAGO.

WRITE FOR SPECIAL PRICES.

Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO.

Telephone, Central 3284.

Please mention the American Florist when writing.

PETER REINBERG

Grower and Wholesaler of Cut Flowers.

1,200,000 feet of glass.
Headquarters for American Beauty.

51 Wabash Ave., CHICAGO.

Always mention the American Florist when you order stock.

KENNICOTT BROS. COMPANY

40-42-44 Randolph St., CHICAGO.

Our reputation has always been that we fill orders when others fail. All stock in season at Lowest Market Rates.

THE BENTHEY-COATSWORTH CO.

35 RANDOLPH ST. WHOLESALE FLORISTS CHICAGO.

S. S. PENNOCK-MEEHAN CO.
The Wholesale Florists of Philadelphia.
1608 to 1618 Ludlow Street, PHILADELPHIA, PA.

Philadelphia.

BUSINESS INCREASING.

The volume of trade is getting perceptibly larger and there is a fair demand for outdoor flowers and all the medium grades of stock. Dahlias still lead and are seen in all the windows. They have never been better than this season. One dollar to $1.50 per 100 is the price for all the medium grades, while as much as $4 is asked for some of the fancies. Carnations are improving and the extra grades are much in demand. The first selection has moved up to $3 per 100. Violets are now to be seen daily and are very good for the season. Roses are much better, some very fair Bridesmaid, Killarney and Richmond now coming in. Six dollars is about high. American Beauty roses are scarce, that is there is quite a shortage from the local growers, the stock in the commission houses coming mostly from those who supply the New York market. Three dollars per dozen is high. Lily of the valley appears to keep moving. The best is from the local growers, who seem to be able to hold their own or keep a trifle ahead of their out-of-town competitors. Three dollars and $4 appears to be the fixed price.

CLUB MEETING.

The October meeting of the Florists' Club was very well attended. The topic for discussion was the convention of 1907, and many were the expressions of just what should be done to make it the greatest event in the history of the society. The matter of the bedding and outside ornamentation of grounds was kept to the front, and this feature will receive much consideration. The next meeting will also be given up to convention matters when it is expected the ways and means committees will be appointed and other matters of importance settled.

Election of officers resulted as follows: S. S. Pennock, president; Frederick Hohman, vice-president; Edwin Lonsdale, secretary, and J. W. Goldflesh, treasurer.

An exhibit of the new white Hydrangea arborescens grandiflora alba was made by the E. G. Hill Co., Richmond, Ind. The flowers carried well and created much favorable comment, it being a very distinct variety.

NOTES.

Two important events affecting the welfare of the craft of this city have taken place this month. Last week the stockholders of the Wholesale Flower Market agreed to go into liquidation. This removes a one time promising institution as a factor in the business. It required the combined efforts of nearly all the growers and other prominent interests in the business to start the project and now after a three years' trial it has succumbed to the inevitable.

The other happening is the failure of the Florists' Protective Association of the wholesale commission men, which, like many another good thing, has died young. This scheme which aimed to protect its members from loss by a system of reports regarding its customers, died at birth, as, at a special meeting called by the president just as the plan was to become operative, this important personage resigned. Many meetings were held the past summer and much interest was shown by all the commission men, who thought they had solved a difficult problem, that of prompt collections. The difficulty was over the date or arbitrary time set, after which all who had not paid up should be returned delinquent. The twentieth of the month following purchases was to be final pay day. Messrs. Pennock and Meehan, of the new firm, thought finally that this, in justice to some customers, could not be carried out strictly to the letter and so they decided to withdraw from the association, which action we believe has resulted in the disruption of the association.

S. S. Pennock.
President Florists' Club of Philadelphia.

The S. S. Pennock-Meehan Co.'s announcement sent out October 1 is a very neat and artistic booklet. This describes the consolidation, the reasons for it and the advantages to be derived from the union of the two houses. Illustrations are also shown of the offices and various parts of the building, both outside and in. The working organization now consists of 36 persons, 34 employes and the members of the firm. Fifteen telephones, eight Bell and seven Keystone, worked through their own private exchange, gives the concern unequalled facilities for communication with its growers and customers. All the above, together with the facilities of the enlarged building, certainly entitle this firm to a place very near the extreme front in their line.

Our remarks about the kentia situation in and about this city in the last issue, while in the main true, were not correct as to the stock of H. A. Dreer, at Riverton. That firm being always in touch with the palm market foresaw the conditions and laid in a very large stock of these favorite palms and while they have had and supplied the demand from all over the country, they still have a fine stock in all sizes with which to fill belated orders. Their importation of some 60,000 azaleas are now arriving and will keep a large force packing orders for some time. The stock is unusually fine.

The Leo Niessen Co. is much pleased with its fall trade. It is getting in some of the finest cattleyas ever seen in this market. Single violets are selling well with the company; doubles are expected next week. Work on the new building is progressing and the firm expects to move in about six weeks.

Chas. E. Meehan and his assistants moved from the market September 29, taking with him the consignors, all of whom will now send to the new company.

Ed. Reid is getting in some good early yellow chrysanthemums. K.

Parkersburg, W. Va.

J. W. Dudley & Sons are moving into their new place of business, corner of Fifth and Juliana streets. They have announced that they will not have a grand opening in their new place until the chrysanthemum season is on. At the opening, they expect to make the most elaborate floral show they have ever given in Parkersburg. The new floral store is a credit to this progressive and lively town. It represents an investment of $20,000.

The chrysanthemums of this firm are looking fine and 20,000 blooms will be cut this season. The carnations are also in good shape, 18,000 plants having been benched. The list of varieties includes Enchantress, Boston Market, Lawson, Estelle, Wolcott, Mrs. M. A. Patten and Flamingo. In roses he has some 12,000 plants, Ivory, Golden Gate, Chatenay, Kaiserin and Richmond being grown. Flowering plants are also grown for the trade. The entire plant includes 80,000 feet of glass. Ernest Hiehle, son of the late G. A. Hiehle, is the grower

DAHLIAS

The Best Stock Coming to the Market.

THE LEO NIESSEN CO.

WHOLESALE FLORIST.

Open From 7 A. M. to 8 P. M.

1217 Arch St., PHILADELPHIA, PA.

ROSES

American Beauty, Edgely, Killarney, Bride, Maid, Chatenay, Richmond, Ivory and Golden Gate.

BEST IN PITTSBURG.

PITTSBURG FLORISTS' EXCHANGE, Pittsburg, Pa.

NOW READY

to fill orders for **American Beauties, Lily of the Valley, Carnations** and all varieties of **Tea Roses** in lots of one hundred to one thousand at short notice, Get our prices before ordering elsewhere.

WELCH BROTHERS, 226 Devonshire St., BOSTON, MASS.

ASPARAGUS PLUMOSUS NANUS.

Cut Strings, 50 cents each.

W. H. ELLIOTT, Brighton, Mass.

THE

J. M. McCullough's Sons Co.

Wholesale Commission Florists.

CONSIGNMENTS SOLICITED.

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES, SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

Please mention the American Florist when writing.

C. A. KUEHN,

Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

Please mention the American Florist when writing.

ROSES AND CARNATIONS

Pittsburg's Largest and Oldest Wholesalers.

PITTSBURG CUT FLOWER CO., Ltd.

504 Liberty Ave., PITTSBURG, PA.

Please mention the American Florist when writing.

Holton & Hunkel Co.

Wholesale Florists

Milwaukee, Wis.

Please mention the American Florist when writing.

H. G. BERNING,

Wholesale Florist

1402 Pine St., ST. LOUIS, MO.

Please mention the American Florist when writing.

Wholesale Flower Markets

PHILADELPHIA, Oct. 3.

Roses, Tea	3.00@ .400
" " extra	6.00@ 8.00
" Liberty	4.00@15.00
" Queen of Edgely, extra	16.00@25.00
" " " firsts	12.00@15.00
" Beauty, extra	16.00@25.00
" " firsts	12.00@15.00
Carnations	1.00@ 3.00
Lily of the valley	2.00@ 4.00
Asparagus, bunch	25.00@50.00
Smilax	20.00@25.00
Adiantum	.75@ 1.50
Cattleyas	.50@ .60
Gardenias	16.00@25.00
Gladiolus	2.00@ 5.00
Dahlias	1.00@ 3.00

BOSTON, Oct. 3.

Roses, Beauty, best	12.00@25.00
" " medium	8.00@12.00
" " culls	1.00@ 4.00
" Bride, Bridesmaid	2.00@ 4.00
" Extra	6.00@ 8.00
" Liberty	6.00@25.00
Carnations	1.00@ 2.00
" Fancy	2.00@ 3.00
Lily of the valley	2.00@ 4.00
Smilax	8.00@12.00
Adiantum	1.00@ 1.50
Asparagus	35.00@50.00
Sweet peas	.25@ .75
Pond lilies	2.00@ 4.00
Asters	.75@ 1.00
Gladioli	2.00@ 4.00

BUFFALO, Oct. 3.

Roses, Beauty	5.00@25.00
" Bride, Bridesmaid, Meteor	3.00@ 8.00
Carnations	.50@ 2.00
Lily of the valley	3.00@ 4.00
Asparagus, strings	40.00@50.00
Smilax	12.00@15.00
Adiantum	.75@ 1.50
Lilies	5.00@15.00
Water lilies	4.00@ 6.00
Gladiolus	1.50@ 3.00
Dahlias	1.00@ 3.00

THE ART OF Floral..... Arrangement.

The first special newspaper in the world for floral arrangement.

250 ILLUSTRATIONS ANNUALLY.

Specimen number free.
Subscription, $2.40 yearly.

BINDEKUNST-VERLAG,
J. Olbertz, ERFURT, GERMANY.

Please mention the American Florist when writing.

J. B. MURDOCH & CO.

WHOLESALE FLORISTS,

FLORISTS' SUPPLIES.

545 Liberty Ave., PITTSBURG, PA.

IT IS NOT...

what you pay for the advertisement but what the advertisement pays you. It pays to advertise in the **American Florist.**

Field-grown Carnation Plants. GOOD CLEAN STOCK. WRITE FOR PRICES.

ABSOLUTELY THE BEST POSSIBLE SERVICE.

W. E. McKissick

WHOLESALE FLORIST.

Business Hours 7 a.m. to 6 p.m.

1221 Filbert Street, PHILADELPHIA, PA.

Please mention the American Florist when writing

Nephrolepis Whitmani

2¼-inch, $25.00 100,

Boston Ferns 2¼-in. $3.00 per 100.

Henry H. Barrows & Sons, WHITMAN MASS.

Please mention the American Florist when writing.

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

Please mention the American Florist when writing.

New York.

TRADE ACTIVE.

The cool weather experienced within a few days has had a beneficial effect on the flower market. Outside produce has been very largely cut out, much of it altogether, and inside products have been accorded a position not attained for many weeks. Almost everything grown indoors for the market at this season shows an improvement. Roses are rather light in quantity, the latter condition being sufficiently pronounced to send prices up a notch or two. American Beauty, which for some weeks has been held at minimum prices, have run up as high as 40 cents in the special grades and supplies are low at this point. Bride and Bridesmaid, much improved in quality, have also advanced in value, particularly the former, stocks of which, to an extent, are used by commission men to influence sales of the more plentiful pink variety. Kaiserin Augusta Victoria, and Killarney are coming in plentifully and the quality is very fine. Prices run to and over the maximum. Richmond is improving somewhat, but is a slow mover. Carnations are good and stocks of all kinds sell readily. Enchantress is easily first in both supply and demand, and is arriving in better shape than most other varieties. In crimsons, Victory is very prominent, and Lawson for dark and Scott's for light pink form the bulk of arrivals. Boston Market and Abundance are prominent among the offerings of white carnations. Violets are coming in regularly but the quality is not such as to attract the best trade. Arrivals are light in color, puny in size, and earthly in fragrance. Although low in value the street merchants evince no desire to include them among their offerings. Lilies are in demand and the supply is rather short. Lily of the valley commands a good price and is not over-plentiful. Asters are about done, and dahlias are a problem confronting many commission men. Of these many good varieties are offered, and the returns to growers should be quite satisfactory. Top varieties are bringing as high as 8 cents a flower, and varieties such as Countess of Lonsdale, in cactus, and Sylvia, in light pinks, bring good prices easily. Bruton, Kreinhilde and a few other choicer varieties bring prices as high as 10 cents, according to grade. Chrysanthemums are freely offered, and yield good prices. Only the earliest of the market varieties are to be had, however, and prices are of the novelty order.

NOTES.

The Rev. A. Scott, brother of John Scott, president of the Florists' Club, was married last week at Boonton, N. J., to Miss Amelia Hopler, of that town. The reverend gentleman since he came to this country, and before his ordination, was assistant gardener on the estate of T. L. Park, at White Plains, also at the "Castle Gould" estate of Howard Gould, at Port Washington. His employment, however, only covered the summer months, the winters and all his leisure time being taken up for study. By hard study and grit he was enabled to enter the ministry, and is at the present time pastor of the Methodist church at Constable.

In some sections there is reported a shortage of small sizes of kentias. There is a fairly good stock in this immediate vicinity, but from the varieties going off it should not last long. Growers who have taken up the question of bringing along kentias from seed will be interested to learn that a shipment of nearly 10,000 seedling kentias was recently made from a New Jersey point to Ghent, Belgium. It seems like "sending coal to Newcastle," to use an old expression, but it is probably only the beginning of what may become a regular trade.

Edw. C. Matthies, the Woodside, L. I., florist, is dividing his time with the coroner just now. A rather unpleasant odor near his greenhouses on Monday led to the discovery of the body of Frederick Stephan, a German of good family, who had been befriended in adversity to the extent of employment and living, by Mr. Matthies, and who had been missing since September 2. The deceased had evidently committed suicide. A revolver belonging to Mr. Matthies was found near the body.

The exhibits at the meeting of the Florists' Club, October 8, will cover orchids, early chrysanthemums, cosmos, and dahlias. Some fine exhibits are looked for, and the probabilities are that the attendance will be more than ordinarily large. Preparations are being made for a ladies' night on the occasion of the October meeting, with some special offerings in the way of entertainment.

Perkins & Schumann, who have lately occupied quarters at 50 W. Twenty-eighth street, have secured part of the store in the Coogan building, on the Twenty-sixth street side, and will move into the new quarters at once. This will make the second wholesale establishment located on the ground floor of this building, but the only one having a street frontage.

Rudolph Fischer, of Great Neck, L. I., known to the trade at large as the originator of the Abundance carnation, and the white freesia Purity, expects to move to California next spring, where he will embark in the business of growing freesias. His family have already located there.

John Scott, of Flatbush, is sending in to John Young, some grand gardenias, the first of his crop. They are excellent in point of size of flower and stem. Mr. Scott expects by Christmas to send in gardenias with stems longer than any ever seen in this market.

Geo. Mathews, of Great Neck, L. I., has just returned from a three-months trip to Scotland and Ireland. He is now in good trim to follow on with the cultivation of the grand sweet peas for which he achieved such a reputation last winter.

Mrs. K. Laufer, of Queens, is one of the many florists on Long Island who have recently benefited by the land boom now existing there. She has just sold a small piece of land near her establishment for $37,000.

Allan E. Smith, well-known in club circles, has associated himself with Arthur C. Dacre, in the retail florists' business at 48 West Thirtieth street, where they will trade under the firm name of "Dacre."

Alfred H. Langjahr is receiving shipments of dahlias at his Twenty-eighth street store, whole wagon-loads arriving every morning, made up of the varieties, Aurora, Sylvia, and Countess of Lonsdale.

C. W. Ward, of Queens, L. I., was in town on Saturday for the first time since his return from his long season of summer travel in the interest of his business enterprises as well as his health.

Mrs. Pfeiffer, wife of Henry Pfeiffer, the Myrtle avenue florist, Brooklyn, died of typhoid fever on Saturday morning. Mr. Pfeiffer receives the sincere sympathy of all in the trade.

Chas. Abrams, the Brooklyn florist, has been forced out of his quarters by tunnel developments in Brooklyn, and is using temporary quarters at Duffield and Fulton streets.

Joseph J. Levy, of John Seligman & Co. is in harness again after his recent marriage. Joe looks unusually hearty and is already rather settled in views benedictorial.

Mrs. Joseph Joslin, the florist of Ninety-eighth street and Broadway, has sold out her business to E. J. Polykranas, who now has three stores.

A. L. Young & Co., the Twenty-eighth street wholesalers, have made an important rear addition to their premises.

The Cottage Gardens Co., Queens, L. I., has just completed the division and planting of 250,000 peonies.

A. M. Henshaw has extended his quarters somewhat at 52 West Twenty-eighth street.

HEADQUARTERS FOR

CHOICE PLANTS

Araucaria Excelsa, 5-in. pots, 50c and 75c, 3 to 4 tiers; 5½ to 6 in., $1.00 to $1.25, 4 to 5 tiers; 7-in. pots, $1 50, $2.00 and $2.50; 8-in. pots, 3½ feet tall, $3.00 to $3.50.

Asparagus Plumosus, 4-in pots, $1.50 per doz.; 4½-inch pots, $2 00 per doz.; extra large, in 4½-in. pots, $3 00 per doz.

Bay Tree Pyramids, 50 to 60 in. high from top of tub, $14.00 a pair; 65 to 70 in. high from top of tub, $16.00 to $18 00 a pair.

Cibotium Schiedei, 6½ and 7 in. pots, $2.00 and $2.50 each.

Cycas Revoluta, 5½, 6, 7 and 8 in. pots, 50c to $1 50 each.

Dracaena Fragrans, 6-in. pots, $6.00 per doz.; 7-in. pots, $9 00 per doz.; 8 in. pots, $15.00 per doz. **Dracaena Lindeni,** 6-in. pots, $9 00 per doz.; 7-in. pots, $12.00 per doz. **Dracaena Indivisa,** 4-in. pots, $10.00 per 100; 5½-in. pots, $20.00 per 100. **Dracaena Terminalis,** 5-in. pots $4.00 per doz.; 5½-in. pots, $5 00 per doz.; 7-in. pots, $15.00 per doz.

Boston Ferns, 5-in. pots, $3.00 per doz.; 6-in. pots, $5.00 per doz.; 6½-in. pots, $9 00 per doz.; 8-in. pots, $15.00 per doz.; 11-in. pots, $2 50 and $3.00 each; specimens, in 12-in. pots, $5.00, $6.00 and $7.00 each; 14-in. pots, $15.00 a pair. **Scottii Ferns,** 5½-in. pots $3.00 per doz.; 6-in. pots, $6.00 per doz.; 7 and 8 in. pots $12.00 per doz. **N. Elegantissima,** 5½-in. pots, $5.00 per doz. **N. Whitmani,** 4½-in. pots $6.00 per doz. **N. Piersoni,** 5-in. pots, $4.00 per doz.; 6-in. pots, $6.00 per doz.; 6½-in. pots, $9.00 per doz.; 7-in. pots, $12.00 per doz.

English Ivy, 4½-in. pots, $2.00 per doz., $15.00 per 100, 3 to 4 feet high.

Kentia Forsteriana, combinations, 3 and 4 plants, in 8-in. pots, $1.50 to $3 00.; 10-in. pots, $6.00 each; 14-in. pots, $15.00 to $20.00 each; single plants, 50c to $2.00 each. **Kentia Belmoreana,** single plants, 5-in. pots $4.00 per doz.; 6-in. pots, $9 00 per doz ; 6½ and 7 in. pots $18.00 per doz.; large plants, from $2.50 to $3.50 each.

Livistona Sinensis, superior to Latania borbonica, 5 and 5½ in. pots, $5.00 per doz.; 6½-in. pots, $9.00 per doz.; 7-in. pots $12.00 per doz.

Pandanus Veitchii, 5-in. pots, $4.00 per doz.; 6-in. pots $6.00 per doz.; 6½-in. pots, $9.00 per doz.; 7-in., $18 00 per doz.; 8-in., $2.00 each.

Primula Obconica, $2 00 per doz., $15.00 per 100.

Rubbers, 6-in. pots, $6.00 per doz.; 6½-in., branched, $9.00 per doz.; 6½-in., single stem $8.00 per doz ; 7-in , branched, $9.00 per doz.; 10-in., 3 in a pot, $2.00 to $2 50 each.

Surplus of **Ardisia Crenulata** for next year fruiting, very fine, branched, 4 in. pots, 1 ft. tall, spread 8 in. to 10-in., $40 00 per 100; 4½-in , $50.00 per 100.

Asparagus Sprengeri, $5.00 per 100.

Anton Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y

HORACE E. FROMENT, Wholesale, Commission,
Successor to William Chormley.
Orchids, Roses, Carnations, Valley, Lilies, Etc.
57 West 28th Street, NEW YORK CITY.
Telephones 2200 and 2201 Madison Square.

Trade Directory
—OF THE—
UNITED STATES AND CANADA.
PRICE $2.00, POSTPAID.
American Florist Co., 324 Dearborn St., Chicago.

Choice Carnations. Selected Roses.
Traendly & Schenck
NEW YORK CITY,
44 W. 28th Street, Cut Flower Exchange.
New Telephone No. 798 & 799 Madison Sq.
Please mention the American Florist when writing.

CARNATIONS
MY SPECIALTY
Consignments Solicited. Prompt Payments
Established 1891.
Alfred H. Langjahr, 55 W. 28th St., NEW YORK.
Telephone 3924 Madison Square.
Please mention the American Florist when writing.

Original Pioneer House—Established 1871.
JAMES HART
103 W. 28th St., NEW YORK.
Wholesale and Commission
Consignments solicited. Shipping orders promptly attended to. 'Phone 628 Madison.
Please mention the American Florist when writing.

FORD BROS.
Receivers and Shippers of
Fresh Flowers
48 West 28th St. NEW YORK.
Telephone 3870-3871 Madison Sq.
Please mention the American Florist when writing.

N. Y. Cut Flower Exchange
Coogan Bldg., 6th Ave. & W. 26th St., New York.
Open for Cut Flower Sales at 6 o'clock Every Morning.
Desirable Wall Space to Rent for Advertising.
V. S. DORVAL, JR., Secretary.

The Best Way to Collect an Account
is to place it with the
NATIONAL FLORISTS' BOARD OF TRADE,
56 Pine St., New York.
Why? Because many debtors will pay the Board, fearing otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.

We Will Cut 20,000
Cattleya Labiata
Flowers, also plants in bloom, all at the lowest market prices.

Siebrecht & Son,
ROSEHILL NURSERIES,
NEW ROCHELLE, N. Y.
Please mention the American Florist when writing.

Wholesale Flower Markets

NEW YORK, Oct. 3.

Roses, Beauty	best	10.00@25.00
" "	medium	6.00@10.00
" "	culls	1.00@ 4.00
" Liberty,	best	3.00@ 7.00
" "	culls	1.00@ 2.00
" Bride, Bridesmaid, G. Gate		.50@ 5.00
" Kaiserin, Carnot		1.00@ 6.00
Carnations		1.00@ 1.50
"	fancy and novelties	1.50@ 2.00
Lily of the valley		1.00@ 4.00
Lilies		6.00@ 8.00
Smilax		6.00@ 8.00
Adiantum		.50@ 1.00
Asparagus		20.00@50.00

Thomas Young
WHOLESALE FLORIST.
43 West 28th St., NEW YORK.

Alex. J. Guttman
The Wholesale Florist of
NEW YORK.
Phone 1664-1665 Mad. Sq. 43 W. 28th Street.

Moore, Hentz & Nash,
Wholesale Commission Florists,
55 and 57 West 26th Street,
Telephone No. 756 Madison Square. New York.

N. Lecakes & Co.
53 W. 28th St., NEW YORK.
Tel. No. 1214 Madison Square
Stands at Cut Flower Exchange, Coogan Bldg., W. 26th Street & 34th Street Cut Flower Market. SPECIALTIES: Galax Leaves, Ferns and Leucothoe Sprays, Holly, Princess Pine and all kinds of Evergreens.
Green and Bronze Galax Leaves, $1.00 per 1000.

A. J. FELLOURIS,
J. J. Fellouris, Manager.
Wholesale and Retail Dealer in all kines of
EVERGREENS,
Fancy and Dagger Ferns, Bronze and Green Galax.
Telephone, 2675 Madison Square.
52 West 28th Street, NEW YORK.

George Cotsonas & Co.
Wholesale and Retail Dealers in all kinds of
Evergreens.
Fancy and Dagger Ferns, Bronze and Green Galax.
Phone 1202 Mad. Sq.
Main Store, 50 W. 28th St., NEW YORK.

—FLOWERS SHIPPED BY—
JOHN I. RAYNOR
Are the best product of the best growers for the New York Market.
Adiantum Croweanum sold here exclusively.
49 W. 28th St., NEW YORK.
Tel. 1998 Madison Square.
Please mention the American Florist when writing.

Walter F. Sheridan,
WHOLESALE FLORIST,
Telephone 902 Madison Square.
39 West 28th St., NEW YORK.
Please mention the American Florist when writing.

J. Seligman. Joseph J. Levy
John Seligman & Co.
WHOLESALE FLORISTS
56 West 26th Street, NEW YORK.
OPPOSITE N. Y. CUT FLOWER CO.
Everything in Cut Flowers. Consignments from growers solicited. Prompt returns. Best prices. Satisfaction guaranteed. Tel. 4878 Madison.
Please mention the American Florist when writing.

PHIL. F. KESSLER
Wholesale Commission Florist
Telephones { 2921 / 5243 } Madison Square.
55 WEST 26th STREET,
Consignments solicited. Prompt payments. New York.
Please mention the American Florist when writing.

A. M. HENSHAW
Wholesale Commission Florist.
Consignments of first-class stock solicited. Ou of town orders carefully and promptly filled.
Telephone 5583 Madison.
52 W. 28th St., NEW YORK

Receivers and Shippers of Cut Flowers.
Consignments Solicited.
A. L. YOUNG & CO. Wholesale Florists . .
54 West 28th Street.
Telephone 3559 Madison Sq. NEW YORK.

THE KERVAN COMPANY,
20 West 27th St., NEW YORK.
Wholesale dealers in fresh cut Palmetto and Cycas Palm leaves, Galax, Leucothoe, Ferns, Mosses and all Decorating Evergreens.

J. K. ALLEN.
Wholesale Commission Florist.
106 West 28th St., NEW YORK CITY.
Open every day at 6:00 A.M. Tel. 167 Madison Sq.

Orchids!
ARRIVED IN SUPERB CONDITION.
Cattleya Dowiana, C. gigas, C. Mossiæ, C. Percivaliana, C. Speciosissima, C. Eldorado, C. superba, C. labiata, C. Leopoldii, and many more. Write for prices.
Lager & Hurrell, SUMMIT, N. J.
Orchid Growers and Importers.

CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

William H. Donohoe, No. 2 West 29th St., (One Door Off 5th Ave.) NEW YORK.

PHONES: 3034 and 3035 MADISON SQUARE.

Write, wire or telephone your orders to the above. Personal attention assured.

The best is none too good. Prices always right. Send me your next order.

DETROIT.

JOHN BREITMEYER'S SONS

Cor. MIAMI and GRATIOT AVES.

DETROIT, MICH.

...Artistic Designs...

High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

MILWAUKEE.

C. C. Pollworth Co.

MILWAUKEE, WIS.

Will take proper care of your orders in WISCONSIN.

INDIANAPOLIS.

Bertermann Bros. Co.

FLORISTS

241 Massachusetts Ave., INDIANAPOLIS, IND.

ST. LOUIS.

Fred. C. Weber,

FLORIST,

4320-4328 Olive St., ST. LOUIS, MO.

Established 1873. Bell, Lindell 676.

DENVER.

The Park ...Floral Co.

J. A. VALENTINE, President. DENVER, COLO.

OMAHA.

HESS & SWOBODA,

Florists,

1415 Farnam Street, OMAHA, NEB

Phone 1501 and L. 1588.

Please mention the American Florist when writing.

DENVER.

FLORAL DESIGNS AND FLOWERS.

Best Quality on Shortest Notice.

DANIELS & FISHER, DENVER, COLO.

Order by mail, telephone, telegraph or cable.

Cable address: "Daniels Denver."

LONDON PARIS BERLIN

A. Lange

Prompt Attention to STEAMSHIP ORDERS.

Main Address 40 East Madison Street, Heyworth Bldg. ... CHICAGO.

Agents in all Leading European Cities.

GUDE BROS. CO. FLORISTS 1214 F ST. N.W. WASHINGTON, D.C.

WASHINGTON, D. C.

Gude's.

CHICAGO.

P. J. HAUSWIRTH

Auditorium Annex, CHICAGO.

Mail, telegraph or telephone orders filled promptly in best style.

BUFFALO.

Palmer's

Buffalo, N. Y.

W. J. Palmer & Son, 304 Main St.

WASHINGTON.

GEO. H. COOKE,

FLORIST

Connecticut Avenue and L Street, WASHINGTON, D. C.

KANSAS CITY.

Samuel Murray

...FLORIST...

Coates House Conservatory

1017 Broadway, KANSAS CITY, MO.

Both 'Phones 2670 Main.

Write, Telephone or Telegraph. All orders given prompt attention.

KANSAS CITY.

GEO. M. KELLOGG,

906 Grand Avenue.

KANSAS CITY and PLEASANT HILL, MO.

Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

BROOKLYN, N. Y. NEW YORK.

Robert G. Wilson,

BROOKLYN, N. Y., Fulton St. and Greene Ave. NEW YORK, 48 W. 30th St.

Trade orders from all parts of the country filled for delivery at residence, steamer, hotel or theatre, on wholesale basis. Satisfaction guaranteed. Wire or telephone.

ALBANY, N. Y.

EYRES

Flowers or Design Work.

DELIVERED IN ALBANY AND VICINITY ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

ST. PAUL.

HOLM & OLSON,

ST. PAUL.

THE LEADING FLORISTS OF THE NORTHWEST

Orders will be well cared for anywhere in Minnesota and the Dakotas.

GALVESTON.

Mrs. M. A. Hansen,

—FLORIST—

Galveston, Texas.

Special attention given to Telegraph or Telephone Orders. 'Phone 1912.

JACKSONVILLE.

MILLS THE FLORIST,

36 W. Forsyth Street,

JACKSONVILLE, FLA.

WASHINGTON.

Mayberry & Hoover

Florists and Decorators

1339 Fourteenth St., Northwest

Telephone North 508. WASHINGTON, D. C.

New Orleans

CUT FLOWERS

For Tourists and General Trade.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, 838 CANAL ST.

COLUMBUS.

The Livingston Seed Co.

FLORISTS

Cover All Ohio Points. 114 North High St.

MAKE MORE PROFIT

You can do this by buying **all** your stock, both in **CUT FLOWERS** and **FLORISTS' SUPPLIES,** of **THE A. L. RANDALL CO.** Try us.

THE A. L. RANDALL CO., 19 and 21 EAST RANDOLPH ST., Chicago.

The Cleveland Cut Flower Company,

WHOLESALE CUT FLOWERS, FLORISTS' SUPPLIES, WIRE DESIGNS.

215 Huron Road, CLEVELAND, OHIO.

Cut Flowers or Designs

Will be delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

NEW YORK.

Alexander McConnell

IN NEW QUARTERS.

571 Fifth Avenue, Windsor Arcade, NEW YORK CITY

TELEGRAPH orders forwarded to any part of the United States, Canada and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive our prompt attention.

Telephone Calls: 487 and 488 38th Street.
Cable Address: ALEXCONNELL.
WESTERN UNION CODE.

ST. LOUIS.

Theodore Miller

FLORIST,

Long Distance Phone, Bell, Forest 56, Kinloch, Delmar 201. **4832 Delmar Boulevard, ST. LOUIS, MO.**

DAYTON, O.

Matthews,

FLORIST,

16 W. 3rd St., DAYTON, O.

LOUISVILLE.

JACOB SCHULZ, 644 Fourth Ave., LOUISVILLE, KY.

Cut Flowers of BEST QUALITY in season delivered promptly to any address.

Write, Telegraph or Telephone.
Cumberland and Home Phones 223 and 984.

ATLANTA.

ATLANTA FLORAL CO.

41 Peachtree Street, ATLANTA, GEORGIA.

ABUNDANCE!

Healthy stock, field-grown plants, 1st size, $12.00 per 100; $100 00 per 1000; 2nd size, $10.00 per 100; $75.00 per 1000; 250 at 1000 rates. Delivery 15th of August. Cash with order.

RUDOLPH FISCHER, GREAT NECK, L. I., N. Y.

The American Florist Company's

DIRECTORY

Contains the names and addresses of all the Florists, Seedsmen and Nurserymen in the United States and Canada. Price $2.00.

AMERICAN FLORIST CO.,
324 Dearborn Street Chicago, U. S. A.

GET THE BEST

It don't pay to buy poor stock.

	Per 100	Per 1000
Richmond Roses, 2½-in.	$5.00	$40.00
" " 3½-in.	6.50	55.00
American Beauties, 3-in.	5.00	40.00
" " 3½-in.	6.50	55.00
Chatenay, 2½-in.	3.50	30.00
" 3½-in.	5.00	45.00
Uncle John, 2½ in.	3.50	30.00
" 3½-in.	5.00	45.00
Golden Gates, 2½-in.	3.50	30.00
" 3½-in.	4.50	
Kaiserin, 2½-in.	3.50	30.00
Sunrise, 3½-in.	5.50	50.00

Satisfaction Absolutely Guaranteed.

	Per 100	Per 1000
Sprengeri, 3½-in.	$5.00	
Plumosus, 3½-in.	6.00	
Smilax, 3-in.	4.00	$35.00

Field-Grown Carnation Plants.

Free from stem rot or other diseases.
Strong, healthy plants

	Per 100	Per 1000
Wolcott	$4.00	$35.00
Prosperity	4.00	35.00

POEHLMANN BROS. CO.

MORTON GROVE, ILL.

Please mention the American Florist when writing

SURPLUS

Carnation Stock

—o—

CHEAP—TO CLEAN UP.

—o—

Enchantress, Boston Market, Nelson Fisher, Mrs. Patten, } **$4.00 per 100. $35.00 per 1000.**

J. B. HEISS,

112 S. Main St., DAYTON, O.

Please mention the American Florist when writing

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World.

SANDER, St. Albans, England.
NEW YORK OFFICE: Room 1, 235 Broadway. **T. MELLSTROM** Agent.

Please mention the American Florist when writing.

CARNATIONS.

275 Gov. Wolcott, $5.00 per 100; 150 Harlowarden, $5.00 per 100; 225 Prosperity, $5.00 per 100; 650 plants in all, $25.00 for the lot.

2200 Norway, $3.50 per 100; $30.00 per 1000; $55.00 for the lot.

These are all large, No. 1 size, except the Harlowarden, which runs somewhat smaller; all are perfectly healthy and guaranteed to please the most fastidious grower. Will take for both lots as enumerated above, $75.00 in cash or C. O. D.

FERNS Boston from bench, ready for 4 and 5-inch pots, $10.00 and $15.00 per 100 respectively.

ASPARAGUS.

Heavy, 2½-inch, plants, ready for a shift.
Sprengeri, extra fine.. 3.00 per 100; 25.00 per 1000
" field-grown clumps, $6.00 per 100.

JERUSALEM CHERRIES, 3½-inch, now in bloom $4.00 per 100 These plants are ready for 5-inch
1600 **CALIFORNIA VIOLETS,** fine big clumps, $5.00 per 100.

J. W. DUNFORD, Clayton, Mo.

Please mention the American Florist when writing.

A Few Good Things You Want.

Cash with Order.

Dracaena Indivisa, 4 and 5-inch, $10.00 and $25.00 per 100.
Asparagus Plumosus, 2-in., $3.00 per 100.
Asparagus Sprengeri, 2-inch, $2.50 per 100.
Geraniums, S. A. Nutt, Castellane, John Doyle, Perkins, Poitevine and Double Gen. Grant, La Favorite, Mme Saleroi, 2-in. pots, $2.00; 3-in. pots, $4.00 per 100. Rooted cuttings, $1.00 per 100
Rex Begonia, nice plants, 2 and 2½-inch, $5.00 per 100.
Boston Ferns, 5-inch, 30c each.
Pierson Ferns, 5-inch, 50c each.

GEO. M. EMMANS, NEWTON, N. J.

CARNATIONS....

Good plants, large and healthy. Lawson, Wolcott, B. Market, Norway, Joost, W. Cloud, $5.00 per 100; $45.00 per 1000.

Smilax, very strong, 3-in., $3.00 per 100; 2-in., $2.00. **Plumosus,** 2-in., $3.00; 5-in., $25.00. **Sprengeri,** 2¼-in., $2.50.

W. H. GULLETT & SONS, Lincoln, Ill.

Carnations We make it a business to grow and sell carnation plants. No surplus stock. All A1 plants.

Crane.....$3.00 per 100; $25.00 per 1000
Flamingo..... 3.00 per 100; 25.00 per 1000

All other varieties are sold.
Cash with order, please.

Blanksma Bros., R. F. D. No. 11. **GRAND RAPIDS, MICH**

ROOM....

We are crowded for room and must dispose of a lot of

BOSTON FERNS AT A SACRIFICE.

We have a large stock of **Boston, Piersoni, Elegantissima** and **Scottii.** Write for special prices which are too low to appear here.

W. W. COLES, Kokomo, Ind

For Best Results Advertisers should mail new advertisements and changes so as to reach us on Mondays.

The Seed Trade.

American Seed Trade Association.
H. W. Wood, Richmond, Va., Pres.; C. S. Burge, Toledo, O., First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas. Twenty-fifth annual convention at New York, 1907

TIMOTHY is advancing slightly and seems very firm. Blue grass the same.

KING EDWARD VII. is among the few short varieties of sweet peas this year.

J. E. NORTHRUP left Chicago for home October 1, having improved very much last week.

VISITED CHICAGO: Wm. Hagemann, New York; Hjalmar Hartmann, Copenhagen, Denmark.

THE Canary islands sold $46,613 worth of onion seed to the United States in 1905, an increase of nearly 300 per cent over 1904.

CARRIED over bean stocks of 1904 and 1905 crops are being offered now at such very low prices that one wonders if they will be worth anything at all next spring.

THE wholesale bulb trade is very brisk now. A clean-up in almost everything is the promise at present. Some florists are still asking for Bermuda Harrisii in large sizes.

THE western potato crop reports show a much larger acreage than usual. Michigan has suffered greatly with drought, the yield there being small. Wisconsin is better, likewise Minnesota and the Dakotas.

SAN JOSE, CAL.—Lester L. Morse became the proud father of a baby boy September 28 and the same day Chas. P. Braslan became the proud grandfather of a blue-eyed baby girl. Both children are doing well.

VENTURA, CAL.—W. H. Francis, son-in-law of W. E. and the late Mrs. Shepherd, took over the management of the Mrs. Theodosia B. Shepherd Co. October 1, and will continue the business along the same lines as heretofore.

THE ALFRED J. BROWN SEED CO., of Grand Rapids, Mich., is placing the Davis Perfect forcing cucumber on the market. This new variety was raised by Eugene Davis, the Michigan cucumber expert and originator of the Grand Rapids forcing lettuce.

WAKEMAN, O.—C. S. Clark reports that seed corn is now being harvested and spread on open slat floors in dry barns to cure. The quality is extra fine and the vitality will be quite strong where curing is given proper attention. Where the corn is left in the fields until hard freezing weather the germ is more or less injured.

5,400 ACRES OF GARDEN SEEDS IN CULTIVATION.
Braslan Seed Growers Co.
WHOLESALE SEED GROWERS.
SAN JOSE, CALIFORNIA.

THE Alfred J. Brown Seed Co., Grand Rapids, Mich, says that its crops of peas are very short, especially wrinkled sorts, both early and late. So far as crops are threshed they will not turn out more than 50 to 60 per cent of a yield and it is feared that when they are all threshed they will average below 50 per cent. This firm has quite a full crop of green podded beans with the exception of a few varieties. Wax varieties did not do as well and will not turn out better than 60 to 70 per cent average. Some varieties will average a full crop, while others, such as Wardell's and Davis' Kidney Wax are less than half a crop.

Rochester, N. Y.

Chas. Hollenbach, son of Peter Hollenbach, Chicago, with his bride passed several pleasant days here as the guests of C. H. Vick.

James Vick's Sons are very busy filling bulb orders, retail and wholesale business being far in excess of last year's.

Ohio Vegetable Growers Indicted.

JEFFERSON, O., Sept. 28.—The grand jury today returned an indictment against members of the Ashtabula Lettuce Growers' Association, who are charged with an unlawful combination to control the price of the output of crops grown under glass, notably lettuce, tomatoes and cucumbers. The men indicted are Ernest E. Dunbar, Charles Hopkins, R. W. Criswold, Jr., Frank Luce, Edwin A. Adams, Jay Adams, R. Wilson Rogers and F. and William Stone.

Vaughan's Osage Gem Melon Renamed.

ED. AMERICAN FLORIST:—

We note that D. V. Burrell, of Rocky Ford, Col., is sending out a musk melon called "Burrell's Gem" or "New Rocky Ford cantaloupe with golden meat." We have tested a crate of these melons, shipped under his label as above, and find them to be nothing more or less than our Osage Gem introduced in 1900 in our general catalogue.

We think it only fair that the seed trade should know through your columns that this is the fact about the melon he is sending out.

VAUGHAN'S SEED STORE.

Chicago, October 3, 1906.

Wisconsin Peas and Beans.

The John H. Allan Seed Co. writes as follows, September 29: "Regarding the pea crop in Wisconsin, our crop is about half in, and we can have a very fair forecast of the result. In this section of the state, which stands dry weather better than wet, the crops average well; while in the northern portion of the state, around Sturgeon Bay, they are coming in far short of a good crop, and, indeed, not nearly up to field estimates, as the hot dry weather succeeding the roguing time, when estimates were made, prevented the pods from filling.

"This shortage is so serious that the outlook is quite different from that of a month ago, and it now seems probable that there will be no more peas of desirable sorts than will be wanted; and there is a distinctly firmer feeling in the atmosphere.

"Very few beans have come in yet, size. In these the bulbs are planted but these, as well as peas, are unusually bright and sound, although the deliveries are less than field estimates."

Among Boston Seedsmen.

The first meeting of the executive committee of the newly inaugurated dahlia society will take place October

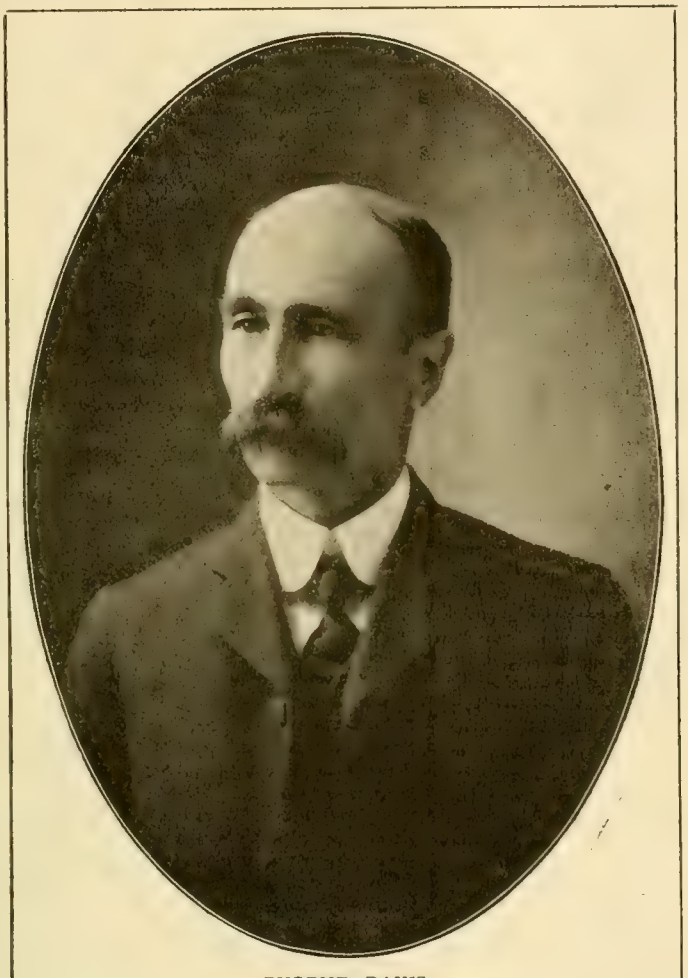
(Seed trade continued page 502)

CALIFORNIA GROWN BULBS.
All Varieties. Unsurpassed. Catalogue Free.
THE LEEDHAM BULB CO.
SANTA CRUZ. CAL.

PACIFIC SEED GROWERS' CO.
109 MARKET STREET
SAN FRANCISCO, CAL.
Specialties:
Onion, Carrot, Lettuce, Sweet Peas

STOKES STANDARD SEEDS
ARE · MONEY · MAKERS
· Write · me · your · wants ·
STOKES SEED STORE
219 Market Street
Philadelphia

The Davis Perfect Cucumber



EUGENE DAVIS.
From his latest photo.

Originated by Eugene Davis, of Grand Rapids, Mich., the Cucumber Expert and the Originator of Grand Rapids Forcing Lettuce and the Davis Kidney Wax Bean.

—(●●)—

A Sure Money Maker

For those engaged in growing Cucumbers under glass "for profit" as well as for truck gardeners to grow out of doors.

—(●●)—

Unequaled

For Shape, Color, Eating Quality, Productiveness and splendid Shipping Qualities, and unquestionably the BEST Forcing Cucumber of recent introduction.

—(●●)—

☞ WRITE AT ONCE TO

Alfred J. Brown Seed Co.

GRAND RAPIDS, MICH.

—(●●)—

(Only a limited quantity of seed to offer this year.)

6, and business of importance for its future welfare will be transacted.

Manager Maurice Fuld, of the W. W. Rawson Co., has just returned from his western trip, and informs us he enjoyed it immensely. Arthur Webster, formerly with the same firm, is now with the H. E. Fiske Seed Co.

The ball game between the employes of the Schlegel Fottler Co., and those of Joseph Breck & Sons, was forfeited to the former team, making two consecutive years they have held the championship.

The Seed Trade Bowling League opens with its first game, Octobed 9.

Several oil paintings of tulips are on exhibition in the windows of R. & J. Farquhar & Co. They illustrate some very artistic bed designs and charming color effects.

In the windows of the H. E. Fiske Seed Co., the past week, a fine collection of Japanese dwarf trees was on exhibition.

The W. W. Rawson Co. announce that they offer for the spring of 1907, seven new seedlings of decorative and show dahlias, considered superior to any of those now on the market. There was an exceptionally fine exhibition of dahlias in its store the past week.

Visitors: S. B. Dicks, London, Eng.; R. Wise, representing David Sachs, Quedlinburg, Germany. F.

Foreign Competition.

At a meeting of the Horticultural Trades Association of Great Britain held early last month J. Harrison, according to the Horticultural Advertiser, brought forward the subject of foreign competition. He gave instances where roses had been sold for six pence per dozen, clematis at one shilling six pence per dozen and rhododendrons, budded, at three to six pence each, etc., etc., and urged that the council should keep this question before them, and be prepared to act as opportunity offered. Mr. Thompson mentioned a recent case where a gardening paper had gone out of its way to recommend foreign stock. J. Brown thought that influence might be brought to bear upon the better class firms with which members were in connection to put down the practice. Messrs. Perkins, Vallance and others thought that one or two English firms were almost as great sinners in this respect as the foreign ones alluded to. Mr. Basham said that local pressure might sometimes be brought to bear upon auctioneers and others to do away with these sales. Several members were of opinion that the mortality in this cheap auction stock was so great that the mischief done was not so large as it appeared, excepting by accustoming the public to absurdly low prices.

Indianapolis.

BUSINESS BRISK.

The stores enjoyed a good business last week, with plenty of funeral work and a brisk counter trade. Roses were in good demand although the teas still show the effects of warm weather. Carnations are small yet, and short of stem; they are little in demand owing to the heavy supply of outside stock.

NOTES.

Thos. Hart, a very extensive and successful grower of outside flowers is one of the faithful. Although a mere youth, only 79 years of age, he is still waiting for the first gray hair. Mr. Hart works 16 hours a day, and this season, besides attending to his stock and the market, modernized his greenhouses himself.

Martin Nelson has just finished a new house 14 x 100 feet. His geranium seedling Umatella is in excellent shape. A prominent wholesaler recently made him a very flattering offer for the entire stock.

F. Conway's new white aster is highly spoken of by Irvin Bertermann, a great admirer and good judge of asters. Two acres of the Conway aster will be planted for seed next season.

Chas. Wheatcraft is preparing for a trip to Texas. Mrs. Wheatcraft greatly enjoyed her vacation at Toronto.

Geo. W. Swain, the present owner of the Vale Seed Co., reports a very good trade in bulbs. J.

Kansas City.

BUSINESS GOOD.

From all sources comes the report of a satisfactory state of trade. Transient trade is again assuming normal proportions with the passing of the flower garden, and the number of out-of-town orders grows larger which is pretty good assurance that the season has begun. Retail show windows give evidence of the improvement of stock. Wholesalers report a good demand for choice stock. Wedding orders so far have been remarkably numerous and many of good proportions. Several department store openings during the past week, have kept the decorators busy, and made use of many cut flowers. The annual fall festivities occurred this week which brought thousands of visitors from the surrounding states. The Priests of Pallas parade, the principal feature of the week, was more artistic and beautiful than ever. Both the Priests of Pallas and the annual mask ball were well attended. These occasions were held in Convention hall which was decorated profusely. Small stores and street stands and other lines of business profited considerably.

NOTES.

Wm. H. Barnes, secretary of the Kansas State Horticultural Society, compiled a table recently showing the number of trees in the state. The report shows 6,654,536 apple trees; 4,621,147 peach trees; 652,257 cherry trees; 602,013 plum trees; 243,451 pear trees, and 190,708 apricot trees in bearing. Leavenworth county is first in apple trees, having 320,979. Jewell county has more peaches; 221,242 trees in bearing. Wyandotte and Reno counties have the largest number of cherry trees. Wyandotte county having 21,539 and Reno 20,998. These figures show a favorable increase over last year's report.

Edw. Ellsworth is lending his efforts toward the organization of a florists' bowling club. We can see no reason why a city the proportion of ours should lack the social and commercial advantages derived from such an organization. Let every individual connected with the trade tender all possible encouragement to this undertaking.

Chas. M. Wise recently disposed of his place at Twenty-seventh and Holmes streets. At present the plant is under the lease of Max Eller. Mr. Wise evidently believes this city a good place to live in, as he expects to be back in the business in a short time.

"Having more flowers than all the other stores combined" is a pretty broad assertion which recently came to our notice, referring to a certain store. However "having them" and disposing of them are altogether different questions.

Every one is wondering what has become of John Schneider. The last recollection we have of him was last Friday. When Saturday came lo! and behold John, fixtures, and the devil fish had suddenly "skiddooed."

E. Kiley, owner of the Budd Park Greenhouses, is making a pansy seed distribution. According to Mr. Kiley's assertions the idea is a great success as an advertising medium.

Miss Peterson is able to make occasional visits to the store. She is recovering from a serious illness which has kept her away from her interests for about three months.

A new plant food has made an appearance in the stores. It is being distributed by Wm. Bastain, who says the demand has been remarkable since its introduction.

The finishing touches were put on W. L. Rock Flower Co.'s store last week This is without a doubt one of the handsomest and most up-to-date stores in the west.

James Hayes and wife, of Topeka, Kans., remained in the city a few days last week on their return from Excelsior Springs, Mo.

Otto Koenig was among a party from St. Louis which were attending a Masonic convocation here last week.

Mr. King, of the Butte Floral Co., Butte, Mont., stopped a few days on his return from eastern points.

Mrs. Lord, of Topeka, spent last Saturday in the city making purchases of supplies.

Murrays were kept busy last week with weddings and a quantity of funeral work.

Who will be first with chrysanthemums?

K. C.

ROCHESTER, N. Y.—Geo. B. Hart has been compelled to move to more commodious quarters owing to extensive increase in business.

UNIONTOWN, PA.—The firm known as Barton Bros., also as the Barton Floral Co., has been dissolved. The business will be continued under the name of W. R. Barton.—J. H. T.

Batavia, Ill.—D. B. Hazen, landscape gardener, has recently purchased a tract of land on which he intends to establish a nursery of ornamental stock, for use in his landscape work.

NYACK, N. Y.—Samuel Decker, when not engaged with his flower business, is a great curio collector. He possesses an Indian head dress which is composed of twigs braided together with deergut and ornamented with bird feathers of various colors and shells cut in symmetrical shapes.

Ft. Wayne, Ind.

W. J. & M. S. Vesey are cutting some fine chrysanthemums. Their first Opah was cut September 17. They are now cutting Monrovia, which will be followed rapidly with the other varieties. So far they have not been able to meet the demand.

Mrs. Lydia E. Auger has had several large wedding decorations for which she used chrysanthemums and American Beauty roses.

John Scherer has built five new houses in the eastern part of the city and expects to grow carnations.

A. J. Lantineer and Geo. Doswell & Son report prospects good for the coming year.

Miss Flick is kept busy with wedding and funeral orders.

GRAND FORKS, N. D.—E. S. Kneeland has just completed a large greenhouse.

ARAUCARIA IMBRICATA FRESH SEEDS

Just received from Araucania, direct importation. Splendid conditions. Complete success. **The Most Attractive Hardy Tree.** Very convenient for avenues, alleys, parks, pleasure grounds, colonies, etc. Price, packing free, $10.00 per 1000. **Funtumia elastica** (silk rubber) rare seeds, known as a rapid grower of superior quality. $5.00 per 1000.

JULES VAN MOL, BRUSSELS, BELGIUM. Rue Goffart 27.

PANSIES.

International, fine strain: **English Prize, Parisian,** finely variegated and shaded: also **Giant Trimardeau,** all colors and striped: also **Odier,** beautifully spotted. **$3.00** per 1000; **50c** per 100. by mail.

F. A. BALLER, Bloomington, Ill.

BURPEE'S SEEDS PHILADELPHIA.

Wholesale Price List for Florists and Market Gardeners.

PEAS.

PRIME SAMPLES. BEST STOCKS.

We can offer at low prices, F. O. B. London: American Wonder, Autocrat, Consummate, Duke of York, Alaska, Dwarf Telephone, Daisy, English Wonder, Sutton's Excelsior, Sutton's Green Gem, Glory of Devon, Gradus, Ne Plus Ultra, Prince of Wales, Rentpayer, Stratagem, Senator, Stanley, Telephone, Triumph, The Gladstone, Sherwood, Thomas Laxton, William Hurst.

W. W. JOHNSON & SON, Ltd.
BOSTON, ENGLAND.

J. STAER, Nurseryman and Seedsman,
WAHROONGA, New South Wales. AUSTRALIA.

Collector of Australian and Island Seeds and Plants. Palms, Ferns, Platyceriums, Orchids, Eucalyptus, ornamental trees and shrubs.

PALM SEEDS.

	Per 1000		Per 1000
Kentia Forsteriana	$1.25	Livistona Australis	.50
" Belmoreana	1.25	Bacularia Monostachya	1.50
" Canterbury-ana	3.00	Calamus Muelleri	1.50
" Moorei	12.00	Gymnostachys Anceps	2.00
Areca Baueri	1.00		
Seaforthia Elegans	.50		

TREE SEEDS.

Castanospermum Australe.....$5.00 per 1000
Araucaria Excelsa ..... 1.25 per 1000

ALL FALL BULBS

Florists and Seedsmen will be safe in sending us at this time orders for all their needs (excepting L. Harrisii and Callas). We have a very full supply of all the above stock both at Chicago and New York.

VAUGHAN'S SEED STORE
84-86 Randolph St., CHICAGO. 14 Barclay St., NEW YORK.
Greenhouses and Nurseries: Western Springs, Ill.

Please mention the American Florist when writing.

NOW READY.

EASTER LILIES

Should be potted at once, as Easter is early in the year.

Japan stocks are now arriving, and are in first-class shape.

Japan Longiflorum, 7 to 9 in. bulbs, case of 300 bulbs.....$14.25
" " 9 to 10 in. bulbs, case of 200 bulbs..... 15.00
" " **Multiflorum,** 7 to 9 in. bulbs, case of 300 bulbs..... 15.00
" " " 9 to 10 in. bulbs, case of 200 bulbs..... 17.00
" " **Giganteum,** 7 to 9 in. bulbs, case of 300 bulbs..... 18.75
" " " 9 to 10 in. bulbs, case of 200 bulbs..... 21.00
Lilium Candidum, selected bulbs.....$5.00 per 100

A FEW OF THE LEADING NARCISSI.

	Per 1000
Paper White Grandiflora, 13-15 cm., fine bulbs, case of 1250 bulbs	$11.25
Double Von Sion, first size	$ 9.00
" " " extra size	12.00
" " " mammoth double-nosed, or top-root	20.00
Princeps, early, single, fine bulbs	7.00
Golden Spur, the favorite single yellow	$18.00
Empress, a grand bi-color	20 00
Alba Plena Odorata	6.00
Barri Conspicuus	8.00
Poeticus	4.50
Poeticus Ornatus	7.00

	Per 1000
WHITE ROMAN HYACINTHS, 12-15 cm.	$23.00
" " " 13-15 cm.	28.00
FREESIA REFRACTA ALBA, finest Bermuda bulbs	7.50
BERMUDA BUTTERCUP OXALIS	$7.50
SPANISH IRIS, four best sorts	5.00
" " mixed	2.50

For other bulbs and for smaller quantities, see our Wholesale Price List, in which will be found a full assortment of all kinds of bulbs for winter and spring flowering. Send for list if you have not already received one.

F. R. PIERSON CO., Tarrytown-on-Hudson, N.Y.

The Nursery Trade

American Association of Nurserymen.
Orlando Harrison, Berlin, Md., President; J. W Hill, Des Moines, Ia., Vice-President; George C. Seager, Rochester N. Y., Sec'y.
Thirty-second annual convention, Detroit, Mich., June, 1907.

THE elm came nearer having a soul than any other tree.
OLIVER WENDELL HOLMES.

COLUMBUS, O.—The council has passed an ordinance appropriating $5,000 to defray the expenses of securing landscape gardeners to plan a new park system for the city.

CORNING, N. Y.—At a recent meeting of the park executive committee, it was voted to employ H. A. Caparn, of New York, to investigate conditions here, preparatory to drawing up plans for the complete development of the park.

WENATCHEE, WASH. — Professor A. Van Holderbeke, ex-commissioner of horticulture of this state and J. F. Littooy, former fruit inspector of Snohomish county, will establish a large fruit nursery. They will have an acreage of 80 acres.

DURING the fiscal year ending June 30, 1906, the United States exported fruit to the value of $14,964,158. Our best customers are Great Britain, Canada, Germany and the Netherlands, in the order named. Our most important export fruits in the order of their value are apples, prunes, oranges, apricots and raisins.

Pittsburg.

TRADE EXCELLENT.

Scarcity of stock was the only handicap to the best week of the season this year. Asters, excepting some culls, are over. Carnations are not coming in heavy enough to supply half the demand and good roses were scarce all week. A great scarcity of lilies also fell on us. Lily of the valley is quite plentiful. Chrysanthemums are beginning to arrive in very limited quantities. All green stock is over plentiful. A slight scarcity of ferns was noticed owing to the extreme dry weather.

NOTES.

Geo. Buloumanos, who runs a stand at Union station, Chicago, tried to locate a place to open up here, but when he heard what local rents were he said his money looked better in his pocket.

J. Frank Tilly, of Bellevue, was elected treasurer of the National Board of Steam Navigation at its convention in New York.

A. T. Lorch is sending the Florists' Exchange some Enchantress and Lawson that have the mid-winter quality.

The Pittsburg Rose and Carnation Co. is cutting daily a fair crop of carnations.

J. B. Murdoch & Co. are handling some select American Beauty roses.

C. K. Hoffmeyer, of Carnegie, has commenced cutting carnations.

Visitors: Paul Berkowitz and H. Fancourt, Philadelphia; Joseph Thomas, Greensburg; and Mr. Case, of Pen-Yan, N. Y. J.

Buffalo.

STOCK IMPROVES.

Variable, rain and cooler weather is our latest. Fowers are improving daily, more especially roses. Carnations are still scarce and of only fair quality. Violets are coming in, as also are chrysanthemums. The first chrysanthemums were on sale Saturday. Several small weddings the past week used some flowers but no great quantity. The present month gives more promise.

NOTES.

The flower department of Hengerer's and the Sweeny Co. are both doing a very good business from all reports. They seem to get more trade from the outside than from the business center.

W. F. Kasting was again honored by the democrats. He was a delegate to the state convention.

S. A. Anderson expects to open his Elmwood avenue branch this month.

Recent visitors: E. J. Fancourt, of the S. S. Pennock-Meehan Co., Philadelphia, Pa., and Miss E. B. Schultheis, Scranton, Pa.

BISON.

Toronto.

CONVENTIONS STIMULATE TRADE.

Business in this city has been the best ever experienced in the summer months. There have been an unusual number of conventions, all of which helped the florists considerably. The I. O. O. F., some 30,000 strong, paraded the city and the different floats and delegates on foot were lavish in their use of flowers. Many bouquets and baskets were also presented. Outdoor stock is about over, with the exception of dahlias, which have only started to come in in quantities. Roses have shortened in quantity, though the stock is considerably benefited by the cool nights, and, now that some steam is being put on, mildew is not so prevalent. Of the varieties, Killarney finds most favor. It is being grown very extensively but is disposed of easily and at good prices. Bride and Bridesmaid are scarce, as also are American Beauty and Richmond, and the prices netted the growers are very good. Carnations are showing splendid quality and the supply is sufficient to meet demands. Marguerites, violets and bouvardia help out in the smaller flowers.

NOTES.

The new store of A. Jennings, in the Rossin block, is a credit, and from present indications and the way in which orders are coming in, the business is very promising.

Yellow and white Lady Fitzwygram chrysanthemums are coming from R. Jennings, of Brampton. Violets and good carnations comprise the other part of his cut.

John H. Dunlop supplied the bouquets and cut flowers used for the fall races. The Steele, Briggs Seed Co. looked after the grounds and supplied the plants.

Wm. McKay has sold his place on Dundas street, West, and is given six weeks in which to remove his houses.

G. Mills and G. D. Manton went fishing for pike, but the rough sea and heavy rains spoiled the catch.

D. J. Sinclair has opened a branch commission house in Montreal and reports very favorable business.

Good American Beauty is coming from G. D. Manton; the flowers, stems and foliage are the best noticed here.

The Bedford Park Co. is cutting good roses, but not enough to go around.

Visitors: Wm. Fendley and R. Jennings, Brampton; J. F. Beyer, of South Bend, Ind. H. G. D.

New Orleans.

MARKET ACTIVE.

The past two weeks showed an increase, especially in the plant line. Early fall weddings in addition to a few large funerals helped to dispose of the regular shipments as well as homegrown flowers. Although some of our society people are gradually coming back from the various summer resorts, the majority will not have returned until the end of October. Heat and frequent heavy showers continue, but the nights are getting cooler, which condition shows its beneficial influence upon the immense quantity of all kinds of foliage plants, ferns and the chrysanthemums. The early varieties of this autumn queen of flowering plants are fairly advanced in buds and should no unforeseen natural destruction happen, the local florists will have on record the largest crop for the coming season.

NOTES.

The convention of the supreme lodge and uniform rank Knights of Pythias will be held here October 16-26. The city is making great preparations for this event. From 125,000 to 150,000 visitors from all over the United States are confidently expected. As a number of grand social functions, such as balls, banquets and innumerable receptions are usually given for the entertainment of the illustrious visitors during such conventions, no doubt many of our florists will be kept very busy during the entire period. In case brother knights among the florists should attend the convention they will receive a hearty welcome from the brethren here.

W. Rehm is making a great tour through the south and west. Richard Eichling, the manager of his St. Charles avenue nursery, has everything in the best of condition for the coming season, making a specialty of ferns, palms and foliage plants. He easily succeeded in rooting a top layer of the big Ficus pandurata, up to now the only one in this city, and promises this effective new plant will be a great feature among the local growers.

Chas. Ebele has returned from an extended trip to the S. A. F. convention at Dayton, O., and several large cities of the west. At his nursery is noticed a beautiful nephrolepis seedling, greatly resembling the newest of this grand fern, the Nephrolepis Amerpohli. The prospects for a good stock of this truly exquisite fern are very promising.

Peter Kaul has a fine lot of strong and well shaped Nephrolepis davallioides fureans and his outdoor chrysanthemums are the farthest advanced of those recently seen. CRESCENT.

JEFFERSON CITY, MO. — The Pioneer Floral Co., of Springfield, has been incorporated with a capital of $5,000.

Columbus, O.

Local florists report a great shortage of stock, the demand almost exceeding the supply. Asters are about gone, and roses remain as about the last resource. Carnations, as yet, are not very good, but the roses, especially white and American Beauty, are making a very good showing.

Wilhelmina Metzmeier, wife of Emil C. Metzmeier, died last Thursday at her home, 1382 S. Fourth street. Mrs. Metzmeier has been sick for the last six years with rheumatism. Once she went to Pasadena, Cal., in a vain effort to find relief. Her husband and six children survive her.

C. A. Roth has just completed two new houses, one of which will be used for chrysanthemums, and the other for violets. Mr. Roth hopes to grow quite a few violets this winter, and has built one of his new houses purposely for them.

At the meeting of the Florists' Club, which was held September 25, plans for the coming chrysanthemum show were discussed.

If bowling alleys can be secured for the winter the bowling club will be reorganized as soon as possible.

Graff Bros. have received some very nice white roses, also American Beauty, this week. CARL.

Grand Rapids.

Eli Cross opened a flower store at 25 Monroe street with a full line of everything kept in a first class place. The refrigerator, counters, shelves and show cases are all finished in white enamel and the entire store is handsomely and appropriately decorated in the most up-to-date manner. The counters are of marble. On opening day, September 29, the entire store was adorned with ferns, asparagus and smilax, with small vases of American Beauty roses and carnations around all the mirrors and windows. Directly in the center of the store were two large vases of Kaiserin roses presented to Mr. Cross by Henry Smith, florist at 125 Monroe street. This act on the part of Mr. Smith appeals to every one as an act of courtesy and shows the good feeling which exists between the two florists. If the business of the first day is a sample of the future, it certainly will be a success. Everyone connected with the trade here extends best wishes to the new firm. The basement is being fitted up in the very latest and approved methods for the proper handling of flowers. N. B.

WEST GROVE, PA.—Louis Wintzer, in the employ of Conard & Jones, was suddenly taken ill a few days ago with symptoms of appendicitis and was hurried to the Pennsylvania hospital, Philadelphia, where an operation disclosed the fact that he was suffering from rupture of the bowels. He is now recovering, the prompt surgical work no doubt saving his life.

PETER LAMBERT
TRIER, Germany.
ROSES Strong, field-grown bedding and forcing varieties. Best Novelties. FRAU K. DRUSCHKI (the best white hybrid). 2 yrs., extra large plants 40 000 for fall $80.00 per 1000; Soleil d' Or, $8.00 per 100; Teplitz, $8.00; Etoile de France, $25.00 per 100. Catalogue on application.

—NOW IS THE TIME TO PLANT—
Herbaceous Perennials
We have a very large stock of Phlox, Iris, Pinks, etc.
Send for Price List.
VICK & HILL CO., P. O. box 613, ROCHESTER, N. Y.

Carolina Poplar
For sale by the car-load.
PEACH TREES cheap by the car-load.
1-year APPLE TREES in good assortment.
Write for prices.
GILES COUNTY NURSERY CO., Pulaski, Tenn.

Send to THE MOON Company
For Your Trees, Shrubs, Vines and Small Fruits.
Descriptive Illustrated Catalogue Free
THE WM. H. MOON CO., Morrisville, Pa.

Rose Baby Rambler
XXX
Our plants are last year's propagation and have had a full season's growth. Extra fine, bushy. $12.00 per 100. Special price in quantity.
Send for Fall List of Florists' Bargains.
Nathan Smith & Son, ADRIAN, MICH.

LARGE TREES.
OAKS and MAPLES.
PINES and HEMLOCKS.
ANDORRA NURSERIES,
Wm. Warner Harper, Prop.
Chestnut Hill, PHILA, PA

TREES AND SHRUBS.
We make especially low prices on Nursery Stock to Parks, Cemeteries, etc. Wholesale price-list on application. We carry immense quantities of the finest named varieties of PEONIES.
PETERSON NURSERY 503 W. Peterson Ave. CHICAGO, ILL.

PEONIES.
Queen Victoria (Whitleyii), per 100....$ 9.00
Festiva Maxima, per 100..... 30.00
Fragrans, "Late Rose".....per 100. 6.00
Large stock of M. L. Rhubarb and Lucretia Dewberry Plants.
For 1000 rates and other varieties, write
GILBERT H. WILD, Sarcoxie, Mo.

ROSE PLANTS
Out of 2½-inch pots.
As strong, as good and as well rooted as anyone grows, $20.00 per 1000. Send for list.
C. M. NIUFFER, SPRINGFIELD, OHIO.

NOW READY FALL LIST 101 SORTS
Don't buy ROSES without submitting your approximate want list to
THE LEEDLE FLORAL COMPANY SPRINGFIELD-OHIO.

HERBACEOUS PERENNIALS for Autumn Planting. We offer nine hundred and sixty-seven varieties of strong, field-grown plants.
Send for Catalog and Trade List.
BAY STATE NURSERIES, North Abington, Mass.

Climbing Clothilde Soupert, Marie Pavic, Crimson Rambler and Dorothy Perkins
ROSES
Grafted Oranges and Kin Kans, Palms, Biota Aurea Nana, Conifers and other stock for Florists and Nurserymen,
IN IMMENSE QUANTITIES.
400 acres in Nurseries. 60,000 feet of glass. Catalog on application.
P. J. BERCKMANS CO. (Inc.) Fruitland Nurseries
Established 1856. AUGUSTA, GA.

The Most Beautiful of all American Terrestrial Orchids

Hardy Cypripedium Reginae (spectabile)
Showy Ladies' Slipper.
This is truly the queen of all the family of Hardy American Orchids. It is extremely rare and shy, having retreated to the cold, deep cedar swamps of our northern United States and Canada. The exquisite beauty of the Ladies' Slipper is unsurpasseed, the broadly ovate sepals and petals being of purest downy white, while the large inflated pouch is a soft red rose color. Blooms in June and early July.
We have a splendid stock of strong clumps, now ready to ship. Prices by express, not paid:

	Each	Per 10	Per 100		Each	Per 10	Per 100
1 to 2 crowns	$0.45	$4 00	$35 00	5 to 6 crowns	$1.00	$ 9 00	$ 80.00
3 to 4 crowns	65	5.00	45.00	7 to 8 crowns	1.50	12.50	110.00

A few splendid clumps with 9 to 15 crowns, at 20c per crown.
Always address HARLAN P. KELSEY, Owner, Salem, Mass.

GREAT PEONY SALE.

5,000 Extra Large Seven-Year-Old Clumps

of the best Peonies in the country. This list contains such varieties as:

Mrs. Chamberlin,	Ismarus,	Achilles,	Prince George,
Alba Imbricata,	Paradoxa Rosa,	Thurlow's Double Rose,	Pulcherima,
Galene,	Auguste Lemonier,	Halesus,	Miss Salway,
Armindine Mechin,	Eugene Verdier,	Bridesmaid,	Lyceum;
Exquisite,	Triumphans Gandavensis,	Areos, Janus,	Excelsior,
Hill's Dwarf White,	Saturnalis,	Hesperius,	Queen Victoria,
Discordia,	Helena,	Dai,	Rosamond,
James Vick,	Grandiflora,	Lady Carrington,	Hermus,
Baroness Schroeder,	Duchess of Peck,	E Y. Tea's Seedlings,	Milton Hill,
Western Beauty,	O. B. Baldwin,	Magnifica,	Apollo,
Proserpine,	Miss Bricem,	Albiflora Edulis,	Atlanta,
Edulis Superba,	Vesper,	Princess Maud,	Papa Viflora,
Duke of Clarence,	Climax,	Alonzo,	Thurlow's Mixture,

We have lost the labels of these and cannot locate the variety; therefore we will sell the whole lot of 5,000 clumps at a great sacrifice. We need the room and wish to clear the field this fall. If you are interested send in your best offer.

CHICAGO CARNATION CO., A. T. PYFER, Mgr., **Joliet, Ill.**

Special Prices on **SURPLUS NURSERY STOCK**

	10	100
Betula populifolia (White Birch), heavily branched to the ground, 8 to 10	$5.00	$45.00
Betula populifolia, 10 to 12	7.00	65.00
Populus fastigiata (Lombardy Poplar), branched from the ground, each tree a specimen, 16 to 18	12.50	110.00
Platanus occidentalis (Sycamore), every tree perfectly branched to produce immediate effect, 12 to 14	15.00	100.00
Euonymus Americanus (Burning Bush), 4 to 5	2.00	16.00
Ligustrum ovalifolium (California Privet). All our Privet is transplanted and grown far enough apart to make choice bushy plants, 3 to 4	.50	4.50
Ligustrum ovalifolium, 4 to 5	.65	6.00
Ligustrum ovalifolium, 5 to 6	.80	7.50
Ligustrum ovalifolium, 7 to 8	1.20	10.00
Aster Novae Angliae, field-grown, 2-yr. old	.40	3.00
Rudbeckia laciniata (Golden Glow), 2-yr. old	.40	3.00
Dianthus barbatus (Sweet William), 2-yr. old	.50	3 50
Dianthus Chinensis grandiflora, 2-yr. yr. old	.50	4.00
Calliopsis lanceolata, 2-yr. old	.40	3.00
Phlox, white, red and pink, separate, 2-yr. old	.50	4.00
Phlox, mixed seedlings, choice colors, 2-yr. old	.40	3.00

Valley Farms Nursery Co., Brookfield Center, Conn.

Please mention the American Florist when writing

D. and C. Roses Are the cheapest because they are the best. We have in stock over 1,000 varieties on own roots including all the New European and American varieties of merit, as well as all the old varieties. All sizes from 2½-inch pots up. We can also offer 40 of the leading and newest varieties of Cannas including Mont Blanc, also miscellaneous lists of Plants and Shrubbery, at prices that will make it worth your while to send us your lists for quotations before buying elsewhere. Send for a copy of Our New Guide to Rose Culture, for 1906, a handsome book of 116 pages. Free for the asking.

The DINGEE & CONARD CO., West Grove, Pa.
Established 1850. 70 Greenhouses.

Please mention the American Florist when writing.

Special offer of PEONIES

For September

Florists' assortment of six choice proved kinds, named, including Queen Victoria and Delicatissima, all colors from white to crimson, for $8.00 per 100, $75.00 per 1000. Packed free.
Write for catalogue.

F. A. BALLER, Bloomington, Ill.

Please mention the American Florist when writing.

Jacs Smits, Ltd. NAARDEN, (Holland.

GROWERS OF
Rhododendrons, Axaleas, pot grown Shrubs for forcing, Lily of the Valley, Spiræa, Paeonias, Roses, Climbing Plants, good varieties of Conifers and all ornamental stock.

Personal Inspection Cordially Invited.
R. R. Depot, NAARDEN-BUSSUM, near Amsterdam.
Price list free on demand.

FALL SPECIALTIES.

PEONY, Dorchester, (Richardson). Latest and best paying, clear pink Peony. $25.00 per 100 for strong, 3 to 5 eye divisions.

PEONY, Queen Victoria. One of the largest blocks of this popular white to be found. $12.00 per 100; $100.00 per 1000, for strong, 3 to 5 eye divisions.

FORCING GRADE OF FIELD-GROWN ROSES. Home-grown, low-budded plants, selected for pot culture: Magna Charta, Crimson Rambler, Paul Neyron, Dorothy Perkins, etc., $12.00 yer 100; $100.00 per 1000.

HYDRANGEA, Hortensia and Otaksa. Bushy young plants with several flower shoots; good for 6 to 7-inch pots; $12.00 per 100. Extra heavy specimens for 10 to 12-inch pots or tubs, $60.00 per 100.

DRACAENA INDIVISA. Field-grown, 5-inch, $15.00 per 100: 6-inch, $25.00 per 100.

CHRISTMAS PEPPER, Set with young fruits, 4-inch pots, bushy; $12.00 per 100.

PRIMULA, Chinensis. Strong, 2½-inch, $3.00 per 100.

PRIMULA, Obconica Grandiflora. 2½ inch, $2.50 per 100.

Send for Catalogue No. 5 for full list of Bulbs, Seeds, Palms, Ferns, Araucarias, etc.

THE STORRS & HARRISON CO.

PAINESVILLE, - OHIO.

HIBISCUS SYRIACUS MEEHANII

WE now offer to the trade our new hardy variegated leaf Hibiscus Syriacus Meehanii. This plant attracted much attention when exhibited at the American Nurserymen's Convention at West Baden, Ind., and American Florists' Exhibition at Asheville, N. C. Foliage beautifully variegated; never sun-scalds or reverts to the green; flowers single, very large, satiny lavender; blooms during four months; prices on application. Orders booked now.

P. J. BERCKMANS CO., Inc., Fruitland Nurseries AUGUSTA, GA.

PAEONIAS For Present Delivery.

We are booking orders **NOW** from a large and well-assorted stock, carefully selected from hundreds of varieties tested. All have bloomed with us, and we guarantee them true to name. Send for special list, with prices.

—We are headquarters also for—

ROSES, CLEMATIS, AMPELOPSIS and HYDRANGEAS.

Use printed stationery. We sell at wholesale only.

JACKSON & PERKINS CO., Newark, Wayne County, **New York**

For Best Results advertisers should mail new advertisements so as to reach us Monday.

PALMS, FERNS and DECORATIVE PLANTS

We Offer Good Value. Saving in Express and Freight west of Ohio.

ARAUCARIA EXCELSA.

(Norfolk Island Pine.)

We have a large quantity of these popular Christmas plants. All are perfect, well shaped plants, and will give good satisfaction.

Size pot.	Height	Whorls	Each	Doz.
6-in.	16 in.	4	$1.00	$12.00
6-in.	18 in.	4	1.25	15.00
7-in.	22 in.	5	1.50	18.00

ARAUCARIA EXCELSA GLAUCA.

Size pot.	Height	Whorls	Each	Doz.
5-in.	12 in.	3	$1.00	$12.00
6-in.	13 to 15 in.	3 to 4	1.25	15.00
7-in.	18 to 20 in.	4 to 5	1.50	18.00
7-in.	22 to 24 in.	4 to 5	2.00	24.00
9-in., fine specimens.	30 in.	4 to 5	3.00	....
9-in., fine specimens.	34 in.	5	4.00	....

ARAUCARIA ROBUSTA COMPACTA.

Size pot.	Height	Whorls	Each	Doz.
5-in.	10 in.	2	$1.00	$12.00
6-in.	12 in.	to	1.50	18.00
7-in., fine specimens.	28 in.	5	3.00	....
8-in., fine specimens.	32 in.	5 to 6	4.00	....

ASPARAGUS PLUMOSUS NANUS.

We Are Headquarters.	Per 100	Per 1000
2-in pots, strong, ready for a shift	$3.00	$25.00
2½-in. pots, strong, ready for a shift	4.00	40.00
3-in. pots, strong, ready for a shift	7.00	65.00
Strong Seedings	1.50	12.00

BOSTON FERNS.

Nephrolepis Exaltata Bostoniensis.

We have the finest stock in the west. All our plants are pot grown, bushy stock, well furnished with fronds from the pot up, and cannot be compared with the cheap, long-drawn-up lifted stock from the bench. A sample shipment will convince you of our superior stock. Stock ready last of August.

	Each	Per doz.	Per 100
2½-in pot plants		$ 0.60	$ 5.00
3-in. pot plants		1.50	10.00
4-in. pot plants		2.50	20.00
5-in. pot plants	$ .50	5.00	40.00
6-in. pans plants	.75	8.00	60.00
7-in. pans plants	1.00	10.00	75.00
8-in. pans plants	1.00	15.00	.....
9-in. pans plants	$2.00 to $2 50	.....	.....
10-in. pans plants	3.00 to 3.50	.....	.....
12-in. pans plants	4.00 to 5.00	.....	.....

ASSORTED FERNS FOR FERN DISHES.

We have a very large stock of all the best Pteris Ferns. 2¼-in. pots, strong and bushy, assorted, per 100, $3.00; per 1000, $25.00.

BABY RAMBLER ROSES.

We have a fine lot now growing in our fields, and offer strong, dormant plants for October and November delivery.

	Doz.	100	1000
1st size, selected, 2 years old	$3.00	$25.00	$200.00
2nd size, selected, 2 years old	2.50	20.00	150.00
1st size, selected, 1 year old	2.00	15.00	120.00

Also have a large stock of pot grown plants in bud and bloom.

	Doz.	100
3-in. pots	$1.50	$12.00
4-in. pots	3.00	20.00
5-in. pots	5.00	40.00
6-in. pots	6.00	50.00

NEW ROSE ETOILE DE FRANCE. The best red rose for pot sales, 1-year-old dormant plants, per doz., $2.00; per 100, $15.00

KENTIA FORSTERIANA.

Size Pot	Leaves	Height	Each	Doz.	100
3-in.		8 to 10 in.	$....	$ 2.00	$15.00
6-in.	5 to 6	26 to 30 in.	1.00	12.00	....
6-in.	6	28 to 30 in.	1.25	15 00	....
6-in.	6	34 to 36 in.	1.50	18.00	....
7-in.	6	36 to 40 in.	2.00	24.00	....
8-in.	5 to 6	45 in.	3.00	36.00	....
8-in.	6 to 7	45 to 50 in.	3.50	....	....
8-in.	6 to 7	50 to 55 in.	4.00	....	....
9-in.	6	55 to 60 in.	4.50	....	....
10-in. tubs	6 to 7	65 in.	6.00	....	....
10-in. tubs	6 to 7	70 in.	7.00	....	....
12-in. pots	6	75 in.	8.00	....	....

MADE-UP KENTIA FORSTERIANA.

Size Pot	Plants in Pot	Height	Each
8-in.	3	40 in.	$3.00
8-in.	3	40 to 45 in.	3.50
9 in.	3	50 in.	4.00
9-in.	3	55 in.	4.50
9-in.	3 heavy	60 in.	5.50
9-in. tubs	3 heavy	65 in.	6.00
9-in. tubs	3 heavy	70 in.	7.00
10-in. tubs	5	55 in.	6.00

KENTIA BELMOREANA.

Size Pot	Leaves	Height	Each	Doz.	100
6-in.	6 to 7	24 in.,	$1.25	$15.00	....
7-in.	6	26 to 28 in.,	1.50	18 00	....
7-in.	6	28 to 30 in.,	2.00	24.00	....
7-in.	6 to 7	32 to 34 in.,	2 50	30.00	....
7-in.	6 to 7	35 in.,	3.00	36.00	....
8-in.	6 to 7	40 in.,	3.50	....	....
8-in.	6 to 7	40 in., heavy	4.00	....	....
9 in. tubs	7	36 to 40 in., heavy	5.00	....	....
9 in. tubs	7	50 in., heavy	8.00	....	....
12-in. pots	8	55 to 60 in., heavy	12.00	....	....

CELESTIAL OR XMAS PEPPERS.

One of the very best of Christmas plants.	Per doz.	Per 100
Strong plants, 4 in. pots	$1.25	$10.00
Strong plants, 5-in. pots	2.00	15.00

FICUS ELASTICA. (Rubber Plant).

5-inch pots, 12 to 14 in. high ..... $5.00 per doz.; $40.00 per 100

CYCAS REVOLUTA. (Sago Palm.)

We can supply these in various sizes, from 1 to 6 lb. bulbs, in leaf, at 50c per lb.

HYDRANGEA ROSEA. (New).

3-in. pot plants, 1 to 2 stems ..... $1.00 per doz.; $8.00 per 100
Otaksa and Thos. Hogg, 4-in. pot plants, 2-3 branches ..... $10.00 per 100
" " " field plants, 3-4 branches ..... 15.00 per 100

CARNATIONS.

Victory and Robert Craig, medium size ..... $12.00 per 100

RICHMOND ROSES.

2½-in. pots, strong ..... $ 7.00 per 100: $ 60.00 per 1000
3-in. pots strong ..... 8.00 per 100: 75.00 per 1000
4-in. pots, strong ..... 12.00 per 100: 100.00 per 1000

KILLARNEY, strong.
Strong, 3-in. stock ..... $ 8.00 per 100: $ 75.00 per 1000
4-in. ..... 12.00 per 100: 100.00 per 1000

PAEONIES FOR SEPTEMBER PLANTING. We have the best kinds of our own growing, all true to name. Send for complete list.

PERENNIALS FOR FALL PLANTING. Our stock is large and consists of all the best sorts. Send for special list.

Send for our special list of Palms, Ferns and Decorative Plants. We offer good value; saving in express and freight west of Ohio.

14 Barclay St. NEW YORK. **VAUGHAN'S SEED STORE,** 84-86 Randolph St. CHICAGO.

GREENHOUSES, WESTERN SPRINGS, ILL.

Adiantum Farleyense

I can quote splendid stock at from $2.00 per dozen up to $24.00 per dozen, in 2-inch to 6-inch pots. If you are looking for Farleyense, better write me about it.

CHARLES H. TOTTY,
Madison, N. J.

Asparagus Plumosus.

Exceptionally fine stock from 3-in. pots, $5.00 per 100.

Asparagus Sprengeri,
From 3½-in. pots, $6.00 per 100.
Write for price on large lots.

SCHARFF BROS.,
Van Wert, Ohio.

Queen Beatrice Rose.

Four to one shot. Four times as many flowers as Maid.

F. H. KRAMER, 916 F St., WASHINGTON, D. C.

VIOLET PLANTS FOR SALE.

Lady Campbell Violet Plants

Field-grown, $20.00 per 1000, delivered at express office. Cash with order.

J. M. BRAMHAM, Waldrop, Va.
Grower of Violet Plants for the Trade.

Peter Reinberg

51 WABASH AVE., CHICAGO.

The Largest Range of Glass in the World is now in full crop and we are ready to take the very best care of all orders intrusted to us

CURRENT PRICE LIST

AMERICAN BEAUTIES—	
Long stem	$3.00 to $4.00 per doz.
30-inch stems	2.50 per doz.
24-inch stems	2.00 per doz
18-inch stems	1.50 per doz.
12-inch stems	1.00 per doz.
Short stems	$0.60 to .75 per doz.
Mrs. Marshall Field	$8.00 to $12.00 per 100
short	5.00 to 6.00 per 100
Richmond	3.00 to 6.00 per 100
Liberty	3.00 to 6.00 per 100
Chatenay	$3.00 to $6.00 per 100
Bridesmaid	3.00 to 6.00 per 100
Bride	3.00 to 6.00 per 100
Perle	3.00 to 5.00 per 100
Sunrise	3.00 to 6.00 per 100
Uncle John	3.00 to 6.00 per 100
Golden Gate	3.00 to 6.00 per 100

ROSES, our selection, $3.00 per 100

CARNATIONS 1.00 to 1.50 per 100

SEND US YOUR ORDERS—Get the freshest stock at the lowest market rates and the assurance of supplies such as can only come from **1,200,000** feet of modern glass.

Now is the Time

to Subscribe to the

Horticultural Trade Journal

Published weekly. The Largest Brightest, and Best British Trade Publication. Also

THE INTERNATIONAL EDITION

Published quarterly. Annual subscription for weekly and quarterly numbers, One dollar, (International money order). Subscribe to-day and keep in touch with European markets and topics.

THE HORTICULTURAL PRINTING COMPANY,
BURNLEY, ENGLAND.

PRIMROSES.

Obconica Alba and Rosea, $2.00 per 100; $18.00 per 1000.

ASPARAGUS. Per 100

Plumosus Nanus, 2¼-in. pots, $18.00 per 1000, $2.00
VINCA VAR., from field 5.00
CANNAS, 5 varieties, field-grown clumps 10.00
PANSY PLANTS, large flowering, $3.00 per 1000; .50

CASH

JOS. H. CUNNINGHAM, Delaware, O.

Please mention the American Florist when writing.

CARNATIONS, field-grown

Per 100		Per 100	
2000 Queen Louise, large	$5.00	300 Kohinoor, large	$4.00
2000 Pr'sp'rity large	5.00	600 Frances Joost, large	4.00
500 Lady Bountiful, medium	7.00	200 Gov. Wolcott, large	5.00
1500 Harlowarden, large	5.00	100 Her Majesty, large	5.00
300 America, large	5.00		

C. H. FREY, Lincoln, Neb.

SPECIALTIES.

ROSES from 3-inch pots. CHRYSANTHEMUMS.
CARNATIONS, for fall delivery. SMILAX. VIOLETS.
IN BEST VARIETIES.

Prices low. Send for list.

WOOD BROTHERS, Fishkill, N. Y.

GOV. HERRICK THE COMING VIOLET

One that produces three times as many flowers as any violet ever offered for sale. It will please you. Order at once. Prices: $2.00 per doz.; $10.00 per 100; $75.00 per 1000; 5,000 or more at $60.00 per 1000. Send for description today.

H. R. CARLTON, Willoughby, O.
INTRODUCER and ORIGINATOR.

GERANIUMS

2½in. Pots, Ready for Immediate Delivery

Alliance. Lemoine 1905, Hybrid, Ivy and Zonal, semi-double, lilac white, upper petals feathered and blotched crimson maroon, 25c each; $2.00 per doz.

Fleuve Blanc, the semi-double Bruant that promises to become the standard white, flowers and foliage equal to Alph. Riccard, $1.50 per doz.; $10.00 per 100.

Double Dryden, $1.00 per doz.; $5.00 per 100.

Cactus Geraniums, four varieties, petals curled and twisted similar to the Cactus Dahlia, $2.00 per doz.; $15.00 per 100.

S. A. Nutt, La Pilote, Beaute Poitevine, Mme. Barney, Centaur, Miss Kendall, Mme. Jaulin, Jean Viaud, Mme. Charotte, 40c per doz.; $2.00 per 100; $18.00 per 100.

Ville Poitiers, Marquise de Castellane, Berthe de Persilly, M. Jolly de Bammeville, Thos. Meehan, 50c per doz.; $3.00 per 100; $25.00 per 1000.

Send for Geranium Catalogue. Let us figure on your future supply.

	Per 100	1000
Alternanthera, red and yellow	$2.00	15.00
Hardy English Ivy	2.00	15.00
Smilax	2.00	15.00

A cordial invitation is extended to all interested in horticulture to visit us. Cowenton station, Philadelphia division, B. & O. R. R., 12 miles north of Baltimore.

R. VINCENT, JR. & SON, White Marsh, Md.

Please mention the American Florist when writing.

Directory of Gardeners

—AND—

Estates Employing Gardeners

—IN THE—

UNITED STATES and CANADA.

Price $5, Cash With Order.

AMERICAN FLORIST CO. 324 DEARBORN ST., ...CHICAGO.

BEST ENGRAVINGS and ILLUSTRATIONS

—Of Every Description—

FOR CATALOGUES.

SEE OUR WORK IN THIS PAPER. SEND FOR ESTIMATES.

GLOBE ENGRAVING and ELECTROTYPE CO.
407-427 Dearborn St., CHICAGO.

Please mention the American Florist when writing.

Up to Date Directory

Giving all the Country's { Florists, Seedsmen, Nurserymen

PRICE $2.00.

GERANIUMS

ROOTED CUTTINGS.

Orders booked for delivery Dec. 1, and after I will have fourteen houses planted to stock plants and can supply you with the right kind of cuttings.

	Per 100	1000
S. A. Nutt, Perkins, Buchner, Doyle	$1.25	$12.50
Viaud, Jaulin, Poitevine, L. Francis, Ricard, Castellane, Trego	1.50	15.00
Peter Henderson	2.00	20.00
Fleuve Blanc (White Poitevine)	5.00	50.00

These cuttings are carefully grown and will make a better plant than the average pot plant.

FIELD PLANTS.

S. A. Nutt, Castellane and Ricard, ready for 3-inch pots, at $2.00 per 100.

ALBERT M. HERR,
Lancaster, Pa.

BERTHA RATH

CARNATION.
FERNS, PALMS,
ARAUCARIA EXCEL.,
ASPIDISTRA,
Green and Variegated.
BAY TREES and PRIVET,
Fine, Strong Stock.

R. DREYER, WOODSIDE, L. I., N. Y.

Please mention the American Florist when writing.

MABELLE, New Pink Carnation for 1907.

Color—A peculiar shade of lovely pink, with a faint yellowish cast; several shades lighter than the Lawson Unlike most pinks, the brightest sun does not injure the color. Size—3 to 4 inches in diameter when established. Odor—Pleasing, but not strong. Stems—Invariably strong, but always graceful, ranging from 12 to 30 inches during the season. Habit, etc.—A very quick, active grower, making specimen plants in a short time, even from late cuttings. On account of its rapid growth, requires supporting very soon after benching. Gets away rapidly, blooms early and gives long stems right from the start. Productiveness—Prodigious is the best word we know of to use here. It is the most incessant bloomer, early and late, we have ever grown. Stock limited. Delivery January 5 to 10 and later. Price, $12.00 per 100, $100.00 per 1000.

THE H. WEBER & SONS CO., Oakland, Md.

BUY

Crotons, Dracaenas, Camellias, Ardisias, Farleyense,

FROM

Julius Roehrs Co., Exotic Nurseries, RUTHERFORD, N. J.

Highland Grown Carnation Plants.

	Per 100	1000		Per 100	1000
Lawson	$4.50		Peru	$3.50	$30.00
Flora Hill	4.50		Glacier	3.50	30.00
Crusader	5.00		White Cloud	3.50	30.00
Prosperity	4.00		Har owarden	3.50	30.00
M. Glory	4.00	$35.00	Roosevelt	3.50	30.00
G. Angel	3.50	30.00	100 Estelle, small	$3.00	

CRABB & HUNTER, Ltd., Grand Rapids, Mich.

LARGEST STOCK OF ALL

Belgian Plants.

AZALEAS, ARAUCARIAS, SWEET BAYS, PALMS, BEGONIAS, GLOXINIAS, ETC.

Louis Van Houtte Pere,
GHENT, BELGIUM.

WATCH US GROW.

Araucaria Excelsa

The Best of All Decorative Plants Nature Produces

OUR SPECIALTY.

Every man in business and life to be successful must adopt one thing as his specialty, and that specialty, whatever he select, of whatever nature it may be, he must guard, study and push to such an extent that it not only benefits himself, but he must conduct it so that everyone who seeks his aid, service or his article, which he advertises or practices, will share a slice of his activity and prosperity. I made the importation and cultivation of Araucarias as a special study in my life. The figures below will show my success in business: In the first year I commenced with an importation of 250. In the eleventh year now, 1906, my importations have grown up to 6,000 (come and see it), and on account of the Araucaria growing yearly more in favor by the plant consuming people all over the country, as a much admired decorative plant for the parlor, bed, dining and sitting room, stores, hotels, lawns and porches the outlook will be for an importation at least of 8,000 to 10,000 in spring of 1907. To secure this vast amount for 1907, I am now on the ocean, per steamer New Amsterdam, leaving Hoboken Aug. 15, striking for Belgium, making contract for next year, 1907. I also shall at the same time bring over with me a large lot of choice Azalea Indica and Palms, etc., for Christmas and Easter flowering. No money will be spared in obtaining for my customers the cream of the Belgium greenhouses only.

Please note lowest prices now going on for August and September:

Araucaria Excelsa.

12 to 14 in. high, 5½-in. pots, 3 to 4 trs., 2 yr. old $ .50
12 to 14 in. high, 5½-in. pots, 3 to 4 trs., 2 yr. old. .60
16 to 18 in. high, 5½ to 6 in. pots, 3 to 4 trs., 3 yr. old .75
18 to 20 in. high, 6-in. pots, 5 to 6 trs., 4 yr. old.. 1.00
20 to 24 in. high, 6-in. pots 5 to 6 trs., 4 yr. old.. 1.25
36 to 50 in. specimen, 7-in pots 6 yr. old, $2.50 to 3.00

Araucaria Compacta Robusta, have 1000 of them, never were so nice as this year. Plants are as broad as long, from 12 to 20 in. in height, 3 to 4 perfect tiers, 20 to 30 in. wide across from one tip of tiers to the other, 3, 4 and 5 years old, 6 to 7-in. pots $1.25, $1.50, $1.75, $2.00, up to $3.00 each.

Araucaria Excelsa Glauca, are perfect jewels in shape and size; their beautiful green-blue tiers make them of such a striking appearance that everybody seeing them must fall in love with them on sight, and cannot help it. Plants, 6 to 7 in. pots, 3, 4 and 5 perfect tiers, 15 to 25 in. in height, from 15 to 30 in. across, $1.25 $1.50, $1.75, $2.00 to $2.50 each.

Please bear in mind these mentioned varieties are the cream of Belgium importations. We have thousands of them; can meet all demands.

Kentia Forsteriana, 6-in. pots, 35 to 40 in. high, 5 to 6 leaves, 4 years old, $1.25 to $1.50; 30 to 35 in. high, 4 years old, 6 in. pots, $1.00; 5½-in. pots, 25 to 30 in. high, 3 years old, 75c; 4-in. pots, made up with three plants, 18 to 20 in. high, 25 to 30c. **Belmoreana,** 6 in. pots, 4 years old, 5 to 6 leaves, bushy, 30 to 35 in. high, $1.25; 5½ to 6 in. pots, 3 years old, 5 to 6 leaves, 75c to $1.00 each. Above are the sizes entered in the custom house. **Kentia Forsteriana,** 7-in. pots, made up plants, on elarge in center, three smaller sizes, about 22 to 24 in. high, price $2.00 each.

OUR LITTLE PETS.

By Aschmann, in Philadelphia, I bought
An Araucaria, a pet for our little girl—
Now we have two pets, the pride of our thought,
The little girl so sweet a head full of curls,
And the Araucaria with their everlasting green—
A more joyful home you never have seen.

Nephrolepis Barrowsii, 6-in., large, ready for 7-8 in. 50c; 4-in., large, 25c.

Nephrolepis Scottii, 6-in. pots, large, ready for 7-8 in., 50c; 5½-in., 40c; 5 in., 35c; 4-in., 20c to 25c.

Boston Ferns, 4-in., 20c to 25c; have them by the 1000.

Asparagus Plumosus Nanus, 3-in., 6c; 4-in., 10c.

Chinese Primroses, in 4 in pots, ready to shift into 5-in. pots, will bloom for Christmas, $10.00 per 100.

Cocos Weddelliana, 15c.

Areca Lutescens, made-up plants, 4-inch pots, 25c.

Ficus Elastica, Belgian importation, 6-in. pots, 50c each.

Ferns. A fine assortment of Ferns for dishes, large, bushy, out of 2½-inch pots, $5.00 per 100; 3-inch, 7c each.

All goods must travel at purchaser's risk. Cash with order, please.

GODFREY ASCHMANN, Importer and Wholesale Grower of Pot Plants, 1012 Ontario St., PHILADELPHIA, PA.

GOOD FERNS CHEAP

	Per 100
BOSTONS, strong runners	$ 2.00
" from 5-in. pots	25.00
" from 6-in. pots	40.00
" from 7-in. pots	60.00
" from 8-in. pots	75.00
" from 10-in. pots,	$1.50 each
WHITMANI, strong young plants, from bench,	$10.00 per 100.

	Per 100
PIERSONI, from 5-in. pots	$25.00
" from 6-in. pots	40.00
" from 7-in. pots	60.00
SCOTTII, from 5-in. pots	$25.00
" from 6-in. pots	40.00
" from 6-in. pots	60.00
ELEGANTISSIMA, strong, 2½-in.,	$5.00 per 100.

DAVIS BROS., **Morrison, Ill.**

Please mention the American Florist when writing.

PANSIES.

Brown's Extra Select Superb Giant Prize Pansies.

Awarded silver medal St. Louis Exposition, 1904.

Plants, mixed colors, in any quantity, $3.00 per 1000. Cash with order.

PETER BROWN,
LANCASTER, PA.

ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the

"Horticultural Advertiser"

This is the British Trade Paper, being read weekly by all the Horticultural traders; it is also taken by over 1000 of the best continental houses. Annual subscription to cover cost of postage 75c; Money orders payable at Lowdham, Notts.

Address **Editors of "H. A."**

Chilwell Nurseries, LOWDHAM, Notts, England

Please mention the American Florist when writing.

KILL YOUR SCALE.

If you want to KILL scale on your plants ABSOLUTELY there is only one preparation—

WILSON'S PLANT OIL.

Take a can of this preparation, dilute to four times its bulk with water, and wash or spray your palms, ferns, aspidistras, smilax or any plants subject to bugs or vermin and **your plants will be clean. No alkali. Nothing deleterious. Dries at once.**

READ WHAT OTHERS SAY OF IT.

RUTHERFORD, N. J., June 28, 1906.

We have thoroughly tried your Plant Oil with very striking results. We may say this is the first insecticide we have tried on our palms that will remove the scale with the first application. We would like to say this is one of the few things that the florists cannot afford to be without, especially those who are growing palms and decorative plants. After one application of your oil the plants take on an entirely new appearance. We would be pleased to have prospective buyers visit our nurseries and inspect the palms on which we have used your oil.

BOBBINK & ATKINS.

NEW YORK BOTANICAL GARDEN, Bronx Park, New York City, September 5, 1906.

MR. ANDREW WILSON:—Having used your insecticide here, I can testify to its efficiency in destroying scale and other insects infesting plants.

Yours very truly, GEO. A. SKENE.

WRITE FOR CIRCULAR.

ANDREW WILSON, Summit, N. J.

American Institute Show.

The seventy-fifth fair of the American Institute, New York, was held in the Berkeley Lyceum building, 19-21 West Forty-fourth street, September 25-27. Dahlias formed the bulk of the floral exhibits, and the stagings were, as usual, very fine. Exhibitors were not so numerous as last year, and commercial plantsmen were conspicuous by their absence. In the class for ornamental plants there was only one competitor. A. J. Manda, gardener to Mrs. Chas. Pratt, Brooklyn, N. Y., who staged a collection, which for variety and grouping could hardly be excelled. He also exhibited specimen plants of Maranta rosea-picta, Sphærogyne latifolia, Alocasia Sanderiana, Platycerium biforme, and nepenthes. Lager & Harrell, of Summit, N. J., staged a handsome group of orchids, including varieties of Odontoglossum grande, Miltonia spectabilis Morelliana, M. candida, Cattleya Dowiana, C. labiata and C. superba splendens, Dendrobium formosum giganteum, lælia elegence, and oncidiums, for which they were awarded a special prize.

Bobbink & Atkins, of Rutherford, N. J., exhibited several varieties of cut hardy flowers, but for want of room and good location their staging was not seen to advantage. The fruit displays were very creditable, and the exhibits of vegetable and farm crops up to the usual standard. J. M. Thorburn & Co., New York, made an exceptionally fine showing of vegetables, and W. E. Marshall & Co., New York, exhibited vines of a new winter forcing tomato, said to be an unusually prolific cropper. Following are the awards:

Dahlias, professional classes, best collection of 50 varieties, one flower of each: First, W. P. Lothrop, East Bridgewater, Mass.; second, H. F. Burt, Taunton, Mass.

Best collection of 25 varieties, one flower of each: First, H. F. Burt; second, W. P. Lothrop.

Best collection of 10 varieties, one flower of each: First, H. F. Burt.

Best display of single dahlias: First, W. P. Lothrop; second, J. T. Lovett, Little Silver, N. J.

Best display of cactus dahlias: First, W. P. Lothrop; second, H. F. Burt.

Best display of pompon dahlias: First, W. P. Lothrop; second, H. F. Burt.

Dahlias, general class, open to all, best vase 25 blooms, show dahlias, yellow, one named variety: First, H. F. Burt.

Best vase 25 blooms, show dahlias, white, one named variety: First, H. F. Burt.

Best vase 25 blooms show dahlias, pink, one named variety: First, R. Vincent, Jr., & Son, White Marsh, Md.; second, G. W. Young, Deal, N. J.

Best vase 25 blooms, show dahlias, any other color, one named variety: First, H. F. Burt; second, R. Vincent, Jr., & Son.

Best vase 25 blooms, cactus dahlias, white, one named variety. First, J. T. Lovett; second, R. Vinvent, Jr., & Son.

Best vase 25 blooms, cactus dahlias, any other color, one named variety: First, G. C. Rand, Lawrence, L. I., N. Y.; second, E. D. Adams, Seabright, N. J.

Best six varieties, cactus dahlias, 5 blooms each in vases: First, H. F. Burt; second, E. D. Adams.

Best display of pompon dahlias, in vases: First, Chas. S. Smith, Stamford, Conn.; second, H. F. Burt.

Best vase 50 single dahlias. First, J. T. Lovett; second, H. F. Burt.

Best fancy basket of dahlias: First, Chas. S. Smith.

Best centerpiece of dahlias: First, Chas. S. Smith.

Gladiolus.—Best collection of 50 named varieties: First, Geo. Burchett, Little Falls, N. J.; second, W. P. Lothrop.

Best 25 named varieties. John Lewis Childs, Floral Park, N. Y.

Best 10 named varieties: John Lewis Childs.

Miscellaneous Cut Flowers.—Best 30 varieties of hardy flowers: First, Mrs. T. T. Kinney, Elberon, N. J.; second, Bobbink & Atkins, Rutherford, N. J.

Ornamental Plants.—Best group of flowering and foliage plants, in space not exceeding 60 square feet: O. J. Manda, Brooklyn, N. Y.

W. P. Lothrop, H. F. Burt and G. C. Rand were also awarded special prizes in the dahlia classes. John Lewis Childs was awarded special prizes for a vase of montbretia, pure lemon, and a collection of tuberous rooted begonias; and Martin L. Bell of Sparkle, N. Y., gained special prizes for collections of marigolds and celosia.

Spokane, Wash.

One of the centers of interest at the opening day of the Spokane Interstate fair September 24 was the annual aster show of the Spokane Floral Association in the Home Industry building, which was thronged from morning till night. Competition was spirited, the awards being made by Judges Sanders, Matthews and Burt as follows:

In the professional class, best display of asters, Herman Thoeni was first; Spokane Florist Co., second.

In the amateur class, best and finest asters, E. L. Bloom, first; Mrs. A. P. Magie, second.

Greatest variety of asters, true to name, three of a kind, Miss Frances Burchett, first; Mrs. A. P. Magie, second.

Best 25 tall growing asters, E. L. Bloom, first; Miss Frances Burchett, second.

Greatest variety of dwarf asters, George Mills, first; Mrs. A. P. Magie, second.

Best design in asters, Mrs. J. B. Meyers, whose design was a large aster, first.

Best arranged basket, Mrs. S. H. Hosler, first, with a design representing the horn of plenty; Miss Frances Burchett, second, design representing a swan.

Most oriental design, Miss Becky Magie, first, with a design representing an Indian in a canoe; Miss Grace Dunn, second, design representing a bell.

Most artistic arrangement, Mrs. Louise B. Stratton, first; Mrs. A. P. Magie, second.

Greatest variety of flowers, George Mills, first; Mrs. S. H. Hosler, second.

City Parks, Liberty park, first; Manito park, second.

Palms, Ferns, Etc.

WHOLESALE PRICE LIST.

Hydrangea Otaksa, field grown, $1.50 and $2.00 per doz.

	In.	Tiers.	Ea.	Doz.	100
Araucaria Excelsa	4	2 to 3	$0.35	$4.00	
" "	5	3	.75	9.00	
" "	6	3 to 4	1.00	12.00	
Asparagus Plumosus	2				$3.00
" "	3				6.00
Asparagus Sprengeri	2				3.00
" "	3				6.00
" "	4			1.50	
" "	5			2.00	

Asparagus Scandens Deflexus, a beautiful green for wedding and funeral work, 3-in. pots at $1.50 per doz.; 4-in. pots at $2.00 per doz.

Carnations, field-grown. We have to spare: 1000 White Cloud, $4.00 per 100; 800 Sports, $4.00 per 100.

Adiantum Capillus, 5-in., $2.00 per doz.

Boston Ferns, 4-in. pots, $1.50 per doz.; 5-in. pots, $3.00 per doz.; 6-in. pots, $4.20 per doz.; 6-in. pots, strong, $6.00 per doz.; 7-in. pots, $9.00 per doz. Larger specimens, $1.50, $2.00 and $3.00 each.

Scottii Ferns, 10-in. pots, $2.00 each.

Assorted Ferns for dishes, $3.00 per 100; $25.00 per 1000. We have a large lot to offer in best varieties.

Fern Balls, 7 to 9. Dormant or in leaf, $4.20 per doz.

Dracaena Fragrans, 5-inch pots, 50c each; $5.00 per doz. 6-in. pots, 75c each; $9.00 per doz

Dracaena Indivisa. 2-inch pots, $2.50 per 100; 6-inch pots, 20 to 26 inches high, 50c each; $5.00 per doz.; 7-inch pots, 30 to 34 inches high, 75c each; $9.00 per doz.

Dracaena Massangeana, 8-inch pots, $2.00 each. " " beautiful specimens, 9-inch pots, $3.00 each.

Dracaena Terminalis, 4-inch pots, 25c each; $3.00 per doz.; 5-inch pots, 35c each; $4.20 per doz.

Honeysuckle Vines, 4-inch pots, $8.00 per 100.

Maranta Lietzii, 2¼-in., $1.00 per doz.

Pandanus Veitchii, 6-in. ..... per doz., $12.00
" **Utiles,** 3-in. ..... per doz., 1.50
" " 4-in. ..... per doz., 3.00
" " 5-in. ..... per doz., 5.00

Areca Lutescens, 5-in., 50c each; $5.00 per doz.

Cocos, for dishes, 2½-inch, $1.50 to $1.75 per doz.

Cocos Bonetti, large specimens, $40.00 each.

	In.	Each	Doz.
Kentia Belmoreana	3		$ 2.00
" "	6	$1.00	12.00
" "	6 xx	1.25	15.00
Kentia Forsteriana	5	.60	7.20
" "	6	1.25	15.00
" "	7	2.00	24.00

Phoenix Canariensis, 2-in. ..... per doz., 1.00
" " 5-in. ..... per doz., 5.00
" " fine bushy plants, 10-in. pots, $3.00 each. Large specimens.

Phoenix Reclinata, 3½-in. ..... per doz., $2.00
" " 4-in. ..... per doz., 3.00
" " 6-in., 50c each; per doz., 6.00
" " 7-in., 75c each.

Selaginella Denticulata, 3-in., per doz., $1.00.

The Geo. Wittbold Co.

1657 BUCKINGHAM PLACE, CHICAGO.

Will Sell Cheap

50,000 Canna Roots

Mostly Alphonse Bouvier.

Also 10,000 **Boston Ferns** in 4-inch and 5-inch pots, Send for prices.

JOHN WOLF, Ott and Anderson Sts., SAVANNAH, GA.

DAHLIAS.

Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring.

DAVID HERBERT & SON,
Successors to L. K. Peacock, Inc., ATCO, N. J.

LUDVIG MOSBAEK,

Onarga, Ill.

SPECIAL:—To October 15, ten per cent off for strictly cash with order for plants in this list, to make room for bedding plants.

	Per 1000	100	Doz.
AGERATUM, Little Blue Star, new, very dwarf, 2¼-in.		$2.00	$ .35
ACHYRANTHES, 3 in., per 100, $5.00; 2-in.		2.00	
ASPARAGUS, Plumosus Nanus, from 4½-inch pots		10.00	1.35
ASPARAGUS, Plumosus Nanus and **Sprengeri,** from 4-inch pots	$75.00	8.00	1.10
Same from 3-inch pots	45.00	5.00	.65
Same from 2¼-inch pots	22.50	2.50	.35
COLEUS, in var., strong 3-in. for stock		5.00	
FERNS, Boston and **Piersoni,** from 10-inch pans, each, $2.00			20.00
" " " from 8-inch pans, each, 1.00			10.00
FERNS, Boston and **Piersoni, Anna Foster** and **Sword,** all pot-grown, 6-inch		40.00	5.00
4-inch	125.00	15.00	2.00
3-inch	75.00	8.00	1.00
2¼-inch	30.00	3.50	.50
I have also a few thousand **Bench-grown Ferns** for 4-5-6-inch pots. Prices on application as long as they last.			
FERNS, Piersoni Elegantissima. Of this I have a very fine lot from 4-inch pots		30.00	4.00
3-inch pots	125.00	15.00	2.00
2¼-inch pots	70.00	8.00	1.25
		Per 1000	100
DRACAENA Indivisa, 4-inch, $8.00; 3-inch, 5.00; 2¼-inch			$2.50
PALMS, for growing on; we want to clear them out at a special bargain.			
" **Kentia,** from 3 inch pots			10.00
" **Phoenix Canariensis,** from 4-inch pots			15.00
ROSES, Bride and **Maids.** A surplus of a couple of thousand in 3-inch pots, partly in bloom, fine plants, need shift or bench			4.00
SANSEVIERIA, Zeylanica Var., 4-inch to 5-inch, $15.00; 3-inch			8.00
GERANIUMS, 10,000 Stock Plants from field, Ricard, Perkins, Favorite, Buchner, S. A. Nutt, Jacquerie, E. G. Hill, Trego, Poitevine, Ivy-leaved, John Doyle, Golden Bedder, Pricely, Alice Vincennes, Viaud, Soleil, Jaulin, Castellane, Gaar, L'Aube, Happy Thought, Mrs. Pollock, Mrs. Parker, Wm. Langguth, Prince Bismarck, Mt. of Snow, Mme. Salleroi, Charotte, and a few others: also **Heliotrope** and **Lantana**			5.00
GERANIUMS, 3-inch, $4.00 per 100; 2¼-inch		$18.00	2.00
" **Rooted Cuttings,** first 10 var. named above, booked before Oct. 15th		10.00	1.25
ALTERNANTHERA, R. C., 4 varieties		4.00	
VERBENA, Ellen Wilmette, bright carmine pink new, 2-in		2.00	

BEDDING PLANTS, all other varieties. Prices on application.

CANNA SURPLUS,

in following var., 2 to 3 eyes, for orders booked before Oct. 15th for Fall delivery.

Full line of standard and new var. Descriptive list mailed free.

Bronze leaved, Discolor, for foliage	7.50	1.00
" **Robusta,** for foliage	6.00	.80
Burbank, yellow flowers	6.00	.80
Chas. Henderson, red flowers	10.00	1.25
Allemania, variegated red and yellow flowers	7.50	1.00
Tall Florence Vaughan, var. red and yellow	10.00	1.25
Mlle. Berat, pink flowers	10.00	1.25
My selection of above and other named varieties, per 10,000, $60.00		
Bronze leaved, mixed	5.00	.70
Yellow shades, mixed	5.00	.70
Red Shades, mixed	5.00	.70
All Shades, mixed	4.50	.60
All Shades, separate, per 10,000, $45.00		
PANSY Seedlings, Florists' International	3.00	.50
" transpl	6.00	.75
VINCA Var., strong, field-grown, 1st size		6.00
" " " 2nd size		3.00

PERENNIAL PLANTS; interesting list mailed free.

CARNATIONS.

Strong, Healthy, Field-Grown Plants.

BOSTON MARKET ..... per 100, $3.00; per 1000, $25.00.

PINK	Per 100	Per 1000
Lawson	$5.00	$40.00
Nelson	3.00	25.00
Guardian Angel	3.00	25.00
Morning Glory	4.00	30.00
Higinbotham	3.00	25.00
WHITE	**Per 100**	**Per 1000**
Boston Market	$3.00	$25.00

WHITE	Per 100	Per 1000
Flora Hill	$3.00	$25.00
Queen Louise	3.00	25.00
RED	**Per 100**	**Per 1000**
Estelle	$5.00	$40.00
Crusader	5.00	40.00
VARIEGATED	**Per 100**	**Per 1000**
Armazindy	$3.00	$25.00

PETER REINBERG,

51 Wabash Avenue, CHICAGO.

Index to Advertisers.

Adv rates....488
Advance Co The....III
Allen J K....497
Amling E C....493
Andorra Nurseries...505
Aschmann Godfrey..509
Atlanta Floral Co...499
Baller F A....503 506
Barrows Henry & Son495
Barteldes Seed Co..490
Bassett & Washburn.492
Baumann L & Co....522
Bay State Nurseries 505
Beaven E A....490
Beckert W C.... II
Benthey-Coatsworth Co....493
Berckmans P J Co. 505 506
Berning H G.. ... 495
Bertermann Bros Co.498
Blanksma Bros....499
Blinn F A....490
Boddington A T II
Branham J M....507
Braslan Seed Co....500
Breitmeyer's J Sons.498
Brown Alfred J Seed Co....501
Brown Peter....509
Budlong J A.... 493
Burpee W A & Co...503
Byer Bros....490
Caldwell the Woodsman Co....490
Campbell Exors R..512
Carlton H R....508
Carmody J D....512
ChicagoCarnationCo ....I 506
Chicago House Wrecking Co....521
Clark Wm....490
Cleveland Cut Flo Co499
Clipper Lawn Mower Co....520
Cochran Mushroom & Spawn Co.... II
Coles W W....499
Connell Benj....490
Cooke Geo H....498
Cotsonas Geo & Co..497
Cowee W J....512
Crabb & Hunter....509
Craig Robert Co....495
Crawshaw Jas.... 490
Cunningham Jos H..508
Daniels & Fisher....498
Davis Bros 509
Deamud J B Co.... 493
Detroit Flo Pot Mfy...520
Dietsch A Co....522
Diller Caskey & Co..522
Dillon J L....491
Dingee & Conard Co..506
Donohoe W H....498
Dorner F & Sons Co I
Dreer H A....491 521
Dreyer R....509
Dunford J W....499
Edwards Fold'g Box.521
Elliott Wm H 495
Emmans Geo M....499
Eyers H G....498
Fellouris A J....497
Fischer R....499
Florists' Hail As'n....512
Flower Growers Co..493
Foley Mfg Co....522
Ford Bros....497
For Sale & Rent....489
Frey C H 508
Froment H E 497
Garland Geo M....III
Giblin & Co.... IV
Giles Nursery Co....505
Globe Eng Co....508
Gude A & Bro....498
Gullett W H & Sons.499
Gundestrup K & Co. II
Gurney Heater Co... IV
Guttman Alex J....497
Hansen M A 498
Hart Jas....497
Hauswirth P J 498
Heiss J B....499
Heller & Co.... II
Henshaw A M....497
Herbert D & Son....511
Herr Albert M....509
Herrmann A....521
Hess & Swoboda....498
Hews A H & Co....520
Hilfinger Bros....520
Hill The E G Co.... I
Hippard E....III
Hitchings & Co.... IV
Holm & Olson....498
Holton & Hunkel Co.495
Hooker H M Co....521
Hort Advertiser 509
Hort Trade Journal..508
Hunt E H 493
Igoe Bros....512
Ionia Pottery Co 520
Jackson & Perkins Co.506
Janesville Floral Co.490
Jensen & Dekema...493
Johnston Heating Co521
Johnson W W & Son....503
Journal des Roses...522
Kaempfer Fred.... II
Kasting W F.... I
Keller Geo & Son...520
Keller Pottery Co...520
Kellogg Geo M....498
Kelsey Harlan P....505
Kennicott Bros Co..493
Kervan Co The....497
Kessler P....497
King Construction Co III
Kohr A F 520
Koppelman E L & Co512
Kramer F H....507
Kramer I N & Son..520
Kroeschell Bros Co. 521
Kuehn C A....495
Lager & Hurrell....497
Lambert P....505
Lange A....498
Langjahr A H....497
Lecakes N & Co....497
Leedham Bulb Co...500
Leedle Floral Co....505
Livingston Seed Co. 498 521
Lockland Lumb'r Co.III
Lord & Burnham Co. IV
Mathews Florist....499
McConnell Alex....499
McCullough's J M Sons Co....495
McKellar Chas W...492
McKissick W E....495
Mayberry & Hoover.498
Metropolitan Mat Co....522
Mich Cut Flower Ex.490
Miller Theo....499
Mills the Florist....498
Moninger J C Co....III
Moon The Wm H Co.505
Moore Hentz & Nash.497
Morehead Mfg Co...522
Morse C C & Co.... II
Mosbaek L....511
Murdoch J B & Co..495
Murray Samuel....498
Muskogie Carnation Co....491
Myers & Co....521
Natl Flo Bd of Trade.497
N Y Cut Flower Ex .497
Niessen Leo Co 485
Niuffer C M....505
Olbertz J....495
Pacific Seed Co....500
Paducah Pottery 520
Palethorpe P R Co..520
Palmer W J & Son..498
Park Floral Co....498
Pennock Meehan Co494
Perennial Gardens Co II
Perfection Chem Co.521
Peterson's Nursery. 500
Pierson F R Co.. I 503
Pierson U Bar Co....522
Pittsburg Cut Flo Co.495
Pittsburg Florist Ex .495
Pollworth C C Co....498
Poehlmann Bros Co 493 499
Quaker City Machine Works....521
Randall A L Co....499
Raynor J I 497
Rawson W W & Co.. II
Ready Refer'nce Adv.513
Regan Print House..491
Reinberg Peter.... 493 508 511
Rice Bros....490
Rice James H Co....521
Robinson H M & Co.490
Roehrs Julius Co....509
Sander & Son 499
Shaaff M J....491
Scharff & Bros....507
Scheiden & Schoos..490
Schillo Adam....512
Schultheis Anton....496
Schulz Jacob 499
Seligman Jno....497
Sharp Partridge & Co.521
Sheridan W F....497
Siebricht & Son....497
Sinner Bros. 493
Situations & Wants..489
Skidelsky S S....490
Smith Nathan & Son.505
Smith W & T Co.... I
Smits Jacs....506
Sprague Smith Co....522
Staer J....503
Stearns Lumber Co.. IV
Standard Pump & Engine Co.... IV
Stenzel Glass Co....521
Stern J & Co....512
Stokes Seed Store....500
Stoothoff H A & Co 520
Storrs & Harrison Co506
Styer J J.... II
Syracuse Pottery Co.520
Taylor F G Seed Co. II
Thompson J D Carnation Co.... I
Wood Bros....508
Woods H....490
Young A L & Co....497
Thorburn J M & Co. II
Totty Chas H 507
Traendley & Schenck497
VanHoutte Pere Sons509
Valley Farms Nursery Co....506
Van Mol Julius....503
Vaughan & Sperry...493
Vaughan's Seed Store ....I 503 507
Vick & Hill Co....505
Vick's Sons Jas.... II
Vincent R Jr & Son..508
Virgin U J....498
Weber F C....498
Weber H & Sons....509
Weeber & Don.... II
Weiland & Risch....493
Welch Bros.... 495
Whilldin Pot Co....520
Wiboltt R II
Wietor Bros....493
Wild Gilbert H....505
Wilson Andrew 510
Wilson Robt G....498
Winandy Bros 522
Winterson E F Co....492
Wissel & Co.... II
Wittbold Geo Co.492 511
Wolf John....511
Young Thos....497
Zech & Mann....493

GET OUR PRICES ON

Galvanized Wire Rose Stakes and Tying Wire.

IGOE BROTHERS,

Manufacturers of the **Model Plant Supports** for Carnations, Dahlias, Golden Glow, Chrysanthemums and Tomatoes.

63-71 Metropolitan Ave., BROOKLYN, N. Y.

—THE—

Florists' Hail Association

Insures over 23,000,000 square feet of glass, for particulars address

JOHN G. ESLER, Sec'y, SADDLE RIVER, N. J.

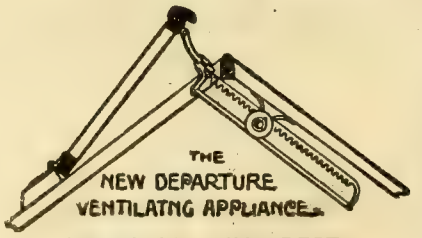
You heard of, if you did not see, our exhibit at the Convention.

HIGHLY RECOMMENDED

for natural prepared variegated Magnolia Wreaths, Adiantums, na ural prepared Chr stmas Trees and Cycas Wreaths with Asters. Keep your "I" on the enterprising florists' supply house.

J. STERN & CO.

1928 Germantown Ave., PHILADELPHIA, PA.



CHEAPEST AND BEST.

If you doubt it try them and be convinced. Send for descriptive price circular.

J. D. Carmody, Evansville, Ind.

Extract from paper read by John H Dunlop before recent convention of the Canadian Horticultural Association:

"Campbell's Sulphur Vaporizer is an English patent and a trifle expensive, but very effective and eliminates almost all of the danger of ignition. We are using eight of them at present with excellent results."

—SOLD BY—

VAUGHAN'S SEED STORE, 14 Barclay St., New York.

A. T. BODDINGTON, 342 West 14th St., New York

AMERICAN FLORIST ADS	Always do business Week days and every day Sundays and holidays All over the country At home and abroad

Tobacco Dust

FOR FUMIGATING.

It would pay large users of dust to communicate with us and get samples and prices.

Edwin L. Koppelman & Co., 81 PINE STREET, NEW YORK.

LUMBER for Greenhouse Benches, Ship Lap, Drop Siding, Sheathing, Flooring, White Cedar Posts, Etc.

We are in special position to furnish **"PECKY CYPRESS"** everything in **PINE** and **HEMLOCK BUILDING LUMBER.** WRITE FOR PRICES.

Adam Schillo Lumber Co. Cor. Weed and Hawthorn St., CHICAGO. Tel. North 1626 and 1627.

Wired Toothpicks

10,000, $1.50: 50,000, $6.25. Manufactured by

W. J. COWEE, BERLIN, N. Y.

Sample free. For sale by dealers.

Ready Reference Advertising.

ADVERTISEMENTS IN THIS DEPARTMENT 10 CENTS PER LINE, CASH WITH ORDER. COPY MUST REACH US MONDAY OF THE WEEK IN WHICH IT IS TO APPEAR

ACHYRANTHES.

Achyranthes, 3-in., $5 per 100; 2-in., $2 per 100. Ludvig Mosbaek, Onarga, Ill.

AGERATUMS.

Ageratum, Little Blue Star, dwf., 2¼-in., $2 per 100; 35c per doz. Ludvig Mosbaek, Onarga, Ill.

ALTERNANTHERAS.

Alternantheras, red and yellow, $2 per 100; $15 per 1,000. R. Vincent, Jr., & Son, White Marsh, Md.

Alternantheras, R. C., 4 vars., $4 per 1,000. Ludvig Mosbaek, Onarga, Ill.

ALYSSUM.

Alyssum, dbl. giant, 2-in., 2c. Byer Bros., Chambersburg, Pa.

AMPELOPSIS.

Ampelopsis. Jackson & Perkins Co., Newark, N. Y.

ARAUCARIAS.

Araucaria Excelsa, 6-in., 16 ins., 4 whls., $1 each; $12 per doz.; 6-in., 18 ins., 4 whls., $1.25 each; $15 per doz. 7-in., 22 ins., 5 whls., $1.50 each; $18 per doz. Glauca, 5-in., 12 ins., 3 whls., $1 each; $12 per doz. 6-in., 13 to 15 ins., 3 to 4 whls., $1.25 each; $15 per doz. 7-in., 18 to 20 ins., 4 to 5 whls., $1.50 each; $18 per doz. 7-in., 22 to 24 ins., 4 to 5 whls., $2 each; $24 per doz. 9-in., 30 ins., 4 to 5 whls., $3 each. 9-in., 34 ins., 5 whls., $4 each. Robusta Com., 5-in., 10 ins., 2 whls., $1 each; $12 per doz. 6-in., 12 ins., 2 to 3 whls., $1.50 each; $18 per doz. 7-in., 28 ins., 5 whls., $3 each. 8-in., 32 ins., 5 to 6 whls., $4 each. Vaughan's Seed Store, Chicago and New York.

Araucaria Excelsa, 12 to 14 ins., 5½-in., pots, 3 to 4 trs., 2-yr., 50c; 14 to 16 ins., 5½-in. pots, 3 to 4 trs., 2-yr. 60c; 16 to 18 ins., 5½ to 6-in. pots. 4 to 5 trs., 3-year, 75c; 18 to 20 ins., 6-in. pots, 5 to 6 trs., 4-yr., $1; 20 to 24 ins., 6-in. pots, 5 to 6 trs., 4-yr., $1.25; 36 to 50 ins., Specimen, 7-in. pots, 5 to 6 trs., 6-yr., $2.50 to $3. A. Compacta Robusta, 12 to 20 ins. high, 3 to 4 trs., 20 to 30 ins., 4 to 5-yr., 6 to 7-in., $1.25, $1.50, $1.75, $2 up to $3 each. A. Excelsa Glauca, 6 to 7-in. pots, 3, 4 and 5 trs., 15 to 25 ins., $1.25, $1.50, $1.75, $2, $2.50 each. G. Aschmann, 1012 Ontario St., Philadelphia.

Araucaria Excelsa, 5-in., 8 to 10 ins., 3 trs., 65c each; 6-in., 12 to 14 ins., 3 to 4 trs., 75c; 6-in., 14 to 16 ins., 4 trs., $1; 6-in., 16 to 18 ins., 4 trs., $1.25; 7-in., 20 to 22 ins., 5 trs., $1.50. Excelsa glauca, 5-in., 8 ins., 2 trs., 75c; 6-in., 13 to 15 ins., 3 trs., $1.25; 7-in., 22 to 24 ins., 4 to 5 trs., $2. Robusta Compacta, 6-in., 10 ins., 2 to 3 trs., $1.25; 6-in., 12 ins., 3 trs., $1.50. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Araucaria Excelsa, 4-in., 2 to 3 trs., 35c each; $4 per doz.; 5-in., 3 trs., 75c each; $9 per doz.; 6-in., 3 to 4 trs., $1 each; $12 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Araucaria excelsa, 5-in., 3 to 4 trs., 50c to 75c; 5½ to 6-in., 4 to 5 trs., $1 to $1.25; 7-in., $1.50 to $2.50; 8-in., 3½ ft., $3 to $3.50. A. Schultheis, College Point, N. Y.

Araucaria Excelsa. R. Dreyer, Woodside, L. I., N. Y.

Araucarias. L. Van Houtte Pere, Ghent, Belgium.

ASPARAGUS.

Asparagus plumosus, 2¼-in., $2 per 100; $18 per 1,000. Jos. H. Cunningham, Delaware, O.

Asparagus Crawshawii, seedlings, $3 per 100; $25 per 1,000; transplanted seedlings, $5 per 100; $40 per 1,000; sample, 10c. James Crawshaw, 403 Plainfield St., Providence, R. I.

Asparagus plumosus, 4½-in., $10 per 100; $1.35 per doz. 4-in. plumosus and Sprengeri, $1.10 per doz.; $8 per 100; $75 per 1,000; 3-in., 65c per doz.; $5 per 100; $45 per 1,000; 2¼-in., 35c per doz.; $2.50 per 100; $22.50 per 1,000. Ludvig Mosbaek, Onarga, Ill.

Asparagus plumosus, 2-in., $3 per 100; 3-in., $6. Sprengeri, 2-in., $3 per 100; 3-in., $6; 4-in., $1.25 per doz.; 5-in., $2. Scandens Defi, 3-in., $1.50 per doz.; 4-in., $2 per doz. George Wittbold Co., 1657 Buckingham Pl., Chicago.

Asparagus plumosus, 2-in., $3 per 100; $25 per 1,000. 2½-in., $4 per 100; $40 per 1,000; 3-in., $7 per 1,000; $65 per 1,000. Strong seedlings, $1.50 per 100; $12 per 1,000. Vaughan's Seed Store, Chicago and New York.

Asparagus plumosus nanus, 15,000 fine young plants from 2¼-in. pots, worth $3, to close out, $1.50 per 100; $15 per 1,000. The W. T. Buckley Co., Springfield, Ill.

Asparagus plumosus, 2¼-in., $2.50; 3-in., $5; 4-in., $8. Sprengeri, 2¼-in., $2.50; 3-in., $4; 4-in., $6; per 1,000, $55. All strong plants, ready for larger pots. Goshen Floral Co., Goshen, Ind.

Asparagus plumosus and Sprengeri, 2-in., $3 per 100; $25 per 1,000; from bench, $2.50 per 100; $20 per 1,000. Wm. Clark, Colorado Springs, Col.

Asparagus plumosus, 4-in., $1.50 per doz.; 4½-in., $2 per doz.; extra large 4½-in., $3 per doz. Sprengeri, $5 per 100. A. Schultheis, College Point, N. Y.

Asparagus plumosus, 2-in., $3; 5-in., $25. Sprengeri, 2¼-in., $2.50. W. H. Gullett & Sons, Lincoln, Ill.

Asparagus plumosus, 3-in., $5 per 100. Sprengeri, 3½-in., $6 per 100. Scharff Bros., Van Wert, O.

Asparagus plumosus, 2-in., $2.50 per 100; $20 per 1,000. W. F. Kasting, 383 Ellicott St., Buffalo, N. Y.

Asparagus, strong 2½-in. plumosus plants at $2 per 100. J. W. Munk & Son, Mt. Gilead, Ohio.

Asparagus plumosus, 3-in., 6c; 4-in., 10c. G. Aschmann, 1012 Ontario St., Philadelphia.

Fine Asparagus Robusta Compacta in 4-in. pots, $15 per 100. R. D. Herr, Refton, Pa.

Asparagus Sprengeri, 3½-in., $5 per 100. Plumosus, 3½-in., $6 per 100. Poehlmann Bros. Co., Morton Grove, Ill.

Asparagus Sprengeri, 2½-in., $3 per 100; $25 per 1,000. Field clumps, $6 per 100. J. W. Dunford, Clayton, Mo.

Asparagus Sprengeri, 2-in., $2.50 per 100; plumosus, 2-in., $3 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus Sprengeri, 2½-in., $4 per 100. Scheiden & Schoos, Evanston, Ill.

Asparagus Sprengeri, 2½-in., $2 per 100. Byer Bros., Chambersburg, Pa.

ASPIDISTRAS.

Aspidistras, all sizes. Write for prices. Frank Huntsman, Cincinnati, Ohio.

AZALEAS.

Azaleas. L. Van Houtte Pere, Ghent, Belgium.

Azaleas. Jacs Smits, Ltd., Naarden, Holland.

BAY TREES.

Bay trees, fine stock. R. Dreyer, Woodside, L. I., N. Y.

Bay trees, pyramids, 50 to 60 ins., $14 per pair; 65 to 70 ins., $16 to $18 per pair. A. Schultheis, College Point, N. Y.

Bay trees. L. Van Houtte Pere, Ghent, Belgium.

BEGONIAS.

Twelve named varieties Begonia Rex in 3-in. pots, $8 per 100. R. D. Herr, Refton, Pa.

Begonia Rex, 2 and 2½-in., $5 per 100. Geo. M. Emmans, Newton, N. J.

Rex Begonias, 2-in., 4c. Byer Bros., Chambersburg, Pa.

Begonias. L. Van Houtte Pere, Ghent, Belgium.

BULBS, ROOTS, TUBERS.

Bulbs, lilies, Japan longiflorum, 7 to 9 in., case of 300, $14.25; 9 to 10 in., case of 200, $15; multiflorum, 7 to 9 in., case 300, $15; 9 to 10 in., case 200, $17; giganteum, 7 to 9 in., case 300, $18.75; 9 to 10 in., case 200, $21. Lilium candidum, $5 per 100. Narcissus, Paper White grandi., 13 to 15 ctm., case of 1,250, $11.25; dbl. Von Sion, 1st size, $9 per 1,000; extra, $12; mammoth, $20; Princeps, $7 per 1,000; Golden Spur, $18; Empress, $20; Alba plena odorata, $6; Barri con., $8; Poeticus, $4.50; P. ornatus, $7. White Roman hyacinths, 12 to 15 ctm., $23 per 1,000; 13 to 15 ctm. $28. Freesia refracta alba, $7.50 per 1,000. Bermuda Buttercup, oxalis, $7.50. Spanish Iris, 4 best sorts, $5 per 1,000; mixed, $2.50. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Bulbs, freesias, Fisher's Purity, 2d grade, $2.50 per 100; $20 per 1,000. Bermuda grown, $9 per 1,000; $1.25 per 100; French grown, $10 per 1,000; $1.40 per 100; jumbo size, $12 per 1,000; $1.75 per 100. W. W. Rawson & Co., 5 Union St., Boston, Mass.

Bulbs, home-grown freesias, large size, $1 per 100; $7 per 1,000; blooming size, 75c per 100; $4.50 per 1,000; small blooming size, 50c per 100; $3.50 per 1,000. Stokes Seed Store, 219 Market St., Philadelphia.

Bulbs, Romans, Paper Whites, also Dutch bulb stock in full assortment. Our prices f. o. b. Denver, are to western buyers' advantage. Barteldes Seed Co., Denver, Col.

Bulbs, callas, 1½ to 2-in., $6 per 100; $55 per 1,000; 2 to 3-in., $10 per 100; $95 per 1,000. Freesias, ¾-in., 85c per 100; $7.50 per 1,000. Perennial Gardens Co., Toledo, O.

Bulbs, Narcissus Empress and Henry Irving, Candidum lilies. E. F. Winterson Co., 45 Wabash Ave., Chicago.

Bulbs. L. Harrisii, R. hyacinths, P. W. narcissus, freesias. Weeber & Don, 114 Chambers St., New York.

Bulbs, hyacinths, tulips, narcissus, crocus, lilies, etc. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs, hyacinths, tulips, narcissus, crocus, lilies, callas, freesias. James Vick's Sons, Rochester, N. Y.

Bulbs, all fall bulbs for florists and seedsmen. Vaughan's Seed Store, Chicago and New York.

Bulbs of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Bulbs, California grown. Leedham Bulb Co., Santa Cruz, Cal.

Bulbs of all kinds. Currie Bros. Co., 308 Broadway, Milwaukee, Wis.

Cannas, 5 vars., field clumps, $10 per 100. Jos. H. Cunningham, Delaware, O.

Cannas of all vars. Dingee & Conard Co., West Grove, Pa.

Cannas. John Wolf, Ott and Anderson St., Savannah, Ga.

If you do not find what you need in our Ready Reference Department, write us about it.

Cannas, bronze, discolor, $7.50 per $1,000; $1 per 100. Robusta, $6 per 1,000; 80c per 100. Burbank, $6 per 1,000; 80c per 100. Chas. Henderson, $10 per 1,000; $1.25 per 100. Allemania, $7.50 per 1,000; $1 per 100. Tall F. Vaughan, $10 per 1,000; $1.25 per 100. Mlle. Berat, $10 per 1,000; $1.25 per 100. My selection of above, etc., per 10,000, $60. Bronze mix., yellow shades, —red, $5 per 1,000; 70c per 100; all shades, $4.50 per 1,000; 60c per 100; all shades separate, 10,000, $45. Ludvig Mosbaek, Onarga, Ill.

Iris, German, mixed vars., $2 per 100. James Vick's Sons, Rochester, N. Y.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

CAMELLIAS.

Camellias, Julius Roehrs Co., Rutherford, N. J.

CARNATIONS.

CARNATIONS.

	100	1,000		100	1,000
Pink.			White.		
Fiancee	$6		B. Market.	$5	$45
Lawson	6	$50	F. Burki.	7	60
N. Fisher.	7	60	F. Hill.	5	45
G. Angel.	4	35	W. Cloud.	5	45
M. Glory.	4	35	Red and Crimson.		
White.			Chicago	$5	$45
L. Peary.	8	75	H'warden	6	50

Wietor Bros., 51 Wabash Ave., Chicago.

Carnations, field-grown, Lawson, Estelle, Crusader, $5 per 100; $40 per 1,000. Nelson, G. Angel, Flora Hill, Boston Market, Q. Louise, Higinbotham; Armazindy, $3 per 100; $25 per 1,000. M. Glory, $4 per 100; $30 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

Carnations, Lawson, Hill, $4.50 per 100. Crusader, $5 per 100. Prosperity, $4 per 100. M. Glory, $4 per 100; $35 per 1,000. G. Angel, Peru, Glacier, W. Cloud, Harlowarden, Roosevelt, $3.50 per 100; $30 per 1,000. Estelle, small, $3 per 100. Crabb & Hunter, Grand Rapids, Mich.

CARNATIONS, fine large plants.

Per 100		Per 100	
Cardinal	$6	Boston Market.	$5
The Belle	6	Mrs. Patten	5
Fair Maid	6	Red Sport of	
Sunbird	6	Maceo	4

A. C. Canfield, Springfield, Ill.

Carnations, Lawson, Enchantress, $5 per 100; $40 per 1,000. B. Market, $4 per 100; $30 per 1,000. Harlowarden, Crusader, $4 per 100; $35 per 1,000. G. Angel, $3 per 100; $25 per 1,000. Scheiden & Schoos, Asbury and Warren Aves., Evanston, Ill.

Carnations, field-grown, White Perfection, $12 per 100. W. Lawson, Cardinal, The Belle, Lady Bountiful, Fiancee, $7 per 100. The Queen, F. Burki, H. Fenn, $6 per 100. F. Dorner & Sons Co., La Fayette, Ind.

Carnations, Q. Louise, Prosperity, Harlowarden, America, Wolcott, Her Majesty, $5 per 100. Lady Bountiful, $7 per 100. Joost, Kohinoor, $4 per 100. C. H. Frey, Lincoln, Neb.

Carnations, field-grown, No. 1 stocky plants, Enchantress, Alaska, Mrs. Nelson, Harlowarden, Joost, Norway, $5 per 100. William L. Rock Flower Co., Kansas City, Mo.

Carnations, field-grown plants, fine healthy stock, Lawson, Crusader, Boston Market, $5 per 100; $45 per 1,000. Mrs. A. M. Schafer, 229 Balmoral Ave., Chicago.

Carnations, 275 Wolcott, 150 Harlowarden, 225 Prosperity, $5 per 100; for lot, $25. Norway, $3.50 per 100; $30 per 1,000. J. W. Dunford, Clayton, Mo.

Carnations, Victory and Robert Craig, medium, field plants, $1.50 per doz.; $12 per 100. Vaughan's Seed Store, Chicago and New York.

Carnations, field-grown, Crane, Prosperity, Joost, Queen Louise, Boston Market, $3 per 100. Fine plants. Thos. Salveson, Petersburg, Ill.

Carnation Victory, field-grown, 1st size, $15 per 100; 2nd size, $12; 3rd size, $10. Guttman & Weber, 43 W. 28th St., New York.

Carnations. Abundance, field-grown, 1st size, $12 per 100; $100 per 1,000; 2nd size, $10 per 100; $75 per 1,000. R. Fischer, Great Neck, L. I., N. Y.

Carnations, Boston Market, Estelle, Sport, strong plants, $5 per 100; $40 per 1,000. Cash. Blue Island Cut Flower Co., Blue Island, Ill.

Carnations, Lawson, Wolcott, B. Market, Norway, Joost, W. Cloud, $5 per 100; $45 per 1,000. W. H. Gullett & Sons, Lincoln, Ill.

Carnations, Enchantress, B. Market, N. Fisher, Mrs. Patten, $4 per 100; $35 per 1,000. J. B. Heiss, 112 S. Main St., Dayton, O.

Carnations, field-grown, 1,000 W. Cloud, 800 Sports, $4 per 100. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Carnations, Enchantress, $6; Prosperity, G. Lord, Q. Louise, Estelle, $5. Central Greenhouses, Sandusky, O.

Carnation plants, Marie Louise and Lawson, $4.50 per 100; $40 per 1,000. Holton & Hunkel, Milwaukee, Wis.

Carnations, Wolcott, Prosperity, $4 per 100; $35 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Carnations, Joost, Wolcott, Pond, Prosperity, W. Lawson, $5 per 100. M. J. Schaaf, Danville, N. Y.

Carnations, Crane, Flamingo, $3 per 100; $25 per 1,000. Blanksma Bros., Grand Rapids, Mich.

Carnations, Lady Bountiful and Phyllis. E. F. Winterson Co., 45 Wabash Ave., Chicago.

Carnation Mabelle, new, $12 per 100; $100 per 1,000. H. Weber & Sons Co., Oakland, Md.

Carnation, Bertha Rath. R. Dreyer, Woodside, L. I., N. Y.

Carnations, for fall delivery. Wood Bros., Fishkill, N. Y.

Carnations. J. D. Thompson Carnation Co., Joliet, Ill.

CHRYSANTHEMUMS.

Chrysanthemums, G. of Pacific, Polly Rose, Soleil d'October, Robinson, Ivory, Appleton, Pink Ivory, $3 per 100. J. Jones, Mrs. Robert McArthur, Mrs. Coombes, G. Wedding, Yellow Eaton, Monrovia, $4 per 100. Lady Roberts, A. J. Balfour, Wm. H. Chadwick, $6 per 100. Glenview, $25 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Chrysanthemum novelties. Chas. H. Totty, Madison, N. J.

Chryanthemums. Wood Bros., Fish kill, N. Y.

CIBOTIUMS.

Cibotium Schiedei, 6½ to 7-in., $2 to $2.50 each. A. Schultheis, College Point, N. Y.

COBOEA.

Coboea Scandens, 4-in., $8 per 100. Godfrey Aschmann, 1012 Ontario St., Philadelphia, Pa.

COLEUS.

Coleus, in var., 3-in., $5 per 100. Ludvig Mosbaek, Onarga, Ill.

COREOPSIS.

Coreopsis lanceolata, field clumps, $3 per 100. Otto Hacker, R. D. 1, Painesville, O.

CROTONS.

Crotons. Julius Roehrs Co., Rutherford, N. J.

DAHLIAS.

Dahlias, improved Countess of Lonsdale, cactus type, 6 for $1; $1.75 per doz., $12 per 100. Arthur T. Boddington, 342 W. 14th St., New York.

DAISIES.

Daisies, dbl., leading vars., $2.50 per 1,000. Byer Bros., Chambersburg, Pa.

Daisies, dbl., 25c per 100 by mail. F. A. Blinn, Cromwell, Conn.

DEUTZIAS.

Deutzias, in variety. W. & T. Smith Co., Geneva, N. Y.

DRACAENAS.

Dracæna fragrans, 5-in., 50c each; $5 per doz.; D. indivisa, 2-in., $2.50 per 100; 6-in., 20 to 26 ins., 50c each; $5 per doz.; 7-in., 30 to 34 ins., 75c each; $9 per doz. D. Mass., 8-in., $2 each; 9-in., $3 each. D. Ter., 4-in., 25c each; $3 per dozen; 5-in., 35c each; $4.20 per dozen. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Dracænas, fragrans, 6-in., $6 per doz.; 7-in., $9; 8-in., $15 per doz. Lindeni, 6-in., $9 per doz.; 7-in., $18 per doz.; Indivisa, 4-in., $10 per 100; 5½-in., $20 per 100; Terminalis, 5-in., $4 per doz.; 5½-in., $5 per doz.; 7-in., $15 per doz. A. Schultheis, College Point, N. Y.

Dracæna indivisa, field-grown, 5-in., $15 per 100; 6-in., $25 per 100. Storrs & Harrison Co., Painesville, O.

Dracæna indivisa, 4 and 5 in., $10 and $25 per 100. Geo. M. Emmans, Newton, N. J.

Dracæna, Ind., 4-in., $8; 3-in., $5, 2¼-in., $2.50 per 100. Ludvig Mosbaek, Onarga, Ill.

Dracænas. Julius Roehrs Co., Rutherford, N. J.

FERNS.

Ferns, prepaid, Boston, 4-in., 18c; 5-in., 30c; 6-in., 45c; 8-in., $1.25; 10-in., $1.75; Pierson fern, 4-in., 20c; 5-in., 35c; 6-in., 50c; 8-in., $1.50; 10-in., $2 each. Anna Foster, same prices as Pierson fern. N. Wittboldi and N. Washingtoniensis, 2½-in., 6c; 3-in., 12c; 4-in., 25c; 6-in., 50c; 8-in., $2 each. N. Barrowsii, 2½-in., 8c; 3-in., 25c; 4-in., 40c; 6-in., 75c; 8-in., $2.50; 10-in., $4 each. N. Whitmani, 2½-in., 25c; 4-in., 60c; 6-in., $1.25 each. N. Elegantissima, 2½-in., 8c each. B. N. Wichers & Co., Gretna, La.

Ferns, Boston, 2½-in., 60c per doz.; $5 per 100. 3-in., $1.50 per doz.; $10 per 100. 4-in., $2.50 per doz.; $20 per 100. 5-in., 50c each; $5 per doz.; $40 per 100. 6-in. pans, 75c each; $8 per doz.; $60 per 100. 7-in., $1 each; $10 per doz.; $75 per 100. 8-in., $1.50 each. $15 per doz. 9-in., $2 to $2.50 each. 10-in., $3 to $3.50 each. 12-in., $4 to $5 each. Ferns for dishes, asst., 2¼-in., $3 per 100; $25 per 1,000. Vaughan's Seed Store, Chicago and New York.

Ferns, Boston and Piersoni, 10-in., $2 each; $20 per doz.; 8-in., $1 each; $10 per doz. Boston, Piersoni, Anna Foster and Sword, 6-in., $5 per doz.; $40 per 100; 4-in., $2 per doz.; $15 per 100; $125 per 1,000; 3-in., $1 per doz.; $8 per 100; $75 per 1,000; 2¼-in., 50c per doz.; $3.50 per 100; $30 per 1,000. Elegantissima, 4-in., $4 per doz.; $30 per 100; 3-in., $2 per doz.; $15 per 100; $125 per 1,000; 2¼-in., $1.25 per doz.; $8 per 100; $70 per 1,000. Ludvig Mosbaek, Onarga, Ill.

Ferns, Boston, 5-in., $3 per doz.; 6-in., $5 per doz.; 6½-in., $9 per doz.; 8-in., $15 per doz.; 11-in., $2.50 to $3 each. Specimens, 12-in., $5, $6 and $7 each; 14-in., $15 per pair. Scottii, 5½-in., $3 per doz.; 6-in., $6 per doz.; 7 and 8-in., $12 per doz. Elegantissima, 5½-in., $5 per doz. Whitmani, 4½-in., $6 per doz. Piersoni, 5-in., $4 per doz.; 6-in., $6 per doz.; 6½-in., $9 per doz.; 7-in., $12 per doz. A. Schultheis, College Point, N. Y.

Ferns, Adiantum Capillus, 5-in., $2 per doz. Boston, 4-in., $1.50 per doz.; 5-in., $3; 6-in., $4.20; 6-in., strong, $6; 7-in., $9. Large specimens, $1.50, $2, $3 each. Assorted ferns for dishes, $3 per 100; $25 per 1,000. Scottii, 10-in., $2 each. Fern Balls, 7 to 9 dormant or in leaf, $4.20 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Ferns, Boston, strong runners, $2 per 100; 5-in., $25 per 100; 6-in., $40 per 100; 7-in., $60; 8-in., $75 per 100; 10-in., $1.50 each. Piersoni, 5-in., $25 per 100; 6-in., $40 per 100; 7-in., $60. Scottii, 5-in., $25 per 100; 6-in., $40 per 100; 7-in., $60 per 100. Elegantissima, 2½-in., $5 per 100. Whitmani, young plants from bench, $10 per 100. Davis Bros., Marrison, Ill.

Ferns, mixed for ferneries, 2¼-in. pots (no adiantums or Boston ferns), $2.50 per 100. Cash with order. Wm. A. Clark & Son, 44 Bond St., Watertown, N. Y.

If you do not find what you need in our Ready Reference Department, write us about it.

Ferns, N. Barrowsii, 6-in., 50c; 4-in., 25c. Scottii, 6-in., 50c; 5½-in., 40c; 5-in., 35c; 4-in., 20c to 25c. Boston, 4-in., 20c to 25c. Ferns for dishes, 2½-in., $5 per 100; 3-in., 7c. G. Aschmann, 1012 Ontario St., Philadelphia.

Ferns, Boston and Piersoni, 4-in., 10c; 5-in., 12½c; Boston, 6 and 7-in., 15c; 3-in., 5c; Tarrytown, 3-in., 10c; 4-in., 15c; 6-in., 25c; runners, $2 per 100; Scottii, 3-in., 8c; 4-in., 12½c., 5-in., 15c. Byer Bros., Chambersburg, Pa.

Ferns, N. Piersoni Elegantissima, 2¼-in. pots, $12 per 100; specimen plants, 6-in., $1 each; 8-in., $2; 10-in., $3; 12-in., $5; 14-in., $7.50; 16-in., $10. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns, Piersoni, 6-in., 35c; 5-in., 25c; 4-in., 15c. Boston, 5-in., 25c; 4-in., 15c. Scottii, 5-in., 30c; 4-in., 20c. Anna Foster, 2½-in., 4c. Benj. Connell, West Grove, Pa.

Ferns, N. Whitmani, 2¼-in., $25 per 100. Boston, 2¼-in., $3 per 100. H. H. Barrows & Sons, Whitman, Mass.

Ferns, Boston, 4-in., 10c; 6-in., 30c; 8-in., 60c. Cash with order. Michler Bros. Co., Lexington, Ky.

Ferns, Boston, from bench, for 4 and 5-in., $10 and $15 per 100. J. W. Dunford, Clayton, Mo.

Ferns, orders booked now for N. Amerpohlii. Janesville Floral Co., Janesville, Wis.

Ferns, Boston, Piersoni, Elegantissima, Scottii, cheap. W. W. Coles, Kokomo, Ind.

Ferns, Boston, 5-in., 30c each. Piersoni, 6-in., 50c. each. Geo. M. Emmans, Newton, N. J.

Ferns, from $2 to $24 per doz. in 2 to 6-in. pots. C. H. Totty, Madison, N. J.

Fernery ferns, 2½-in., at $3 per 100. Holton & Hunkel Co., Milwaukee, Wis.

Ferns, Boston, 4 and 5-in. John Wolf, Ott and Anderson St., Savannah, Ga.

Ferns, Scottii, 5-in., $25 per 100. Holton & Hunkel Co., Milwaukee, Wis.

Ferns, all leading varieties. R. Dreyer, Woodside, L. I., N. Y.

Ferns, Farleyense, Julius Roehrs Co., Rutherford, N. J.

FICUS.

Ficus, 6-in., $6 per doz.; 6½-in., branched, $9 per doz.; 6½-in., single, $8 per doz.; 7-in., branched, $9 per doz.; 10-in., 3 in pot, $2 to $2.50 each. A. Schultheis, College Point, N. Y.

Ficus elastica, 5-in., 12 to 14 ins., $5 per doz.; $40 per 100. Vaughan's Seed Store, Chicago and New York.

Ficus elastica, 6-in., 50c each. G. Aschmann, 1012 Ontario St., Philadelphia.

Ficus, 4 and 5-in., 15c and 25c. Byer Bros., Chambersburg, Pa.

GERANIUMS.

Geraniums, from 2-in. pots. Alliance, Lemoine, 1905, 25c each; $2 per doz. Fleuve Blanc, $1.50 per doz.; $10 per 100. Cactus, 4 vars., $2 per doz., $15 per 100. Double Dryden, $1 per doz.; $5 per 100. Nutt, La Pilote, Poitevine, Mme. Barney, Centaure, Kendall, Mme. Jaulin, Viaud, Mme. Charlotte, 40c per doz.; $2 per 100; $18 per 1,000. Ville de Poitiers, M. de Castellane, Berthe de Presilly, M. Jolly de Bammeville, T. Meehan, 50c per doz.; $3 per 100; $25 per 1,000. R. Vincent, Jr. & Son, White Marsh, Md.

Geraniums, stock plants, Ricard, Perkins, La Favorite, Buchner, Nutt, Hill, Trego, Poitevine, ivy leaved, Doyle, G. Bedder, Pricely, A. Vincennes, Viaud, Soliel, Jaulin, Castellane, Gaar, L'Aube, Happy Thought, Pollock, Parks, Mme. Languth, Prince Bismarck, Mt. of Snow, Mme. Salleroi, Charlotte, etc., $5 per 100; 3-in., $4 per 100; 2¼-in., $18 per 1,000; $2 per 100; R. C., $10 per 1,000; $1.25 per 100. Ludvig Mosbaek, Onarga, Ill.

Geraniums, S. A. Nutt, Castellane, John Doyle, Perkins, Double Gen. Grant, La Favorite, Poitevine, Mme. Salleroi, 2-in. pots, $2 per 100; 3-in. pots, $4 per 100. R. C., $1 per 100. Geo. M. Emmans, Newton, N. J.

Geraniums, rooted cuttings, Nutt, Perkins, Buchner, Doyle, $1.25 per 100; $12.50 per 1,000. Viaud, Jaulin, Poitevine, L. Francis, Ricard, Castellane, Trego, $1.50 per 100; $15 per 1,000. Peter Henderson, $2 per 100; $20 per 1,000. Fleuve Blanc, $5 per 100; $50 per 1,000. Field plants, Nutt, Castellane, Ricard, ready for 3-in., $2 per 100. A. M. Herr, Lancaster, Pa.

Geraniums, Mrs. Hill, Poitevine, Trego, Buchner, strong 2½-in., $1.50 per 100. The W. T. Buckley Co., Springfield, Ill.

GLOXINIAS.

Gloxinias. L. Van Houtte Pere, Ghent, Belgium.

GREENS.

Greens, dagger and fancy ferns, $1 per 1,000. Bronze and green galax, $1 per 1,000; 10,000 lots, $7.50. Bouquet green, per 100 yds., $7. Laurel festooning, 5c and 6c per yd. Laurel wreaths, $3 per doz.; branch laurel, per bunch, 50c. Boxwood, per lb., 20c. Leucothoe sprays, per 100, $1. Green and Spaghnum moss, $1 per barrel. Lyrata (new). H. M. Robinson & Co., 8 Province St., Boston, Mass.

Greens, of all kinds, holly and other wreaths, wreathing, etc. We wish to buy in car lots—holly, mistletoe, southern smilax, needle pine, magnolia, sago and other palm leaves. H. Woods, 127 S. Water St., Chicago.

Greens, galax, leaves, ferns and leucothoe sprays, holly. Princess pine, all kinds of evergreens. Galax leaves, $1 per 1,000. N. Lecakes & Co., 53 W. 28th St., New York.

Decoration Material, fancy fern leaves, also galax, green sheet moss, etc. Ask for latest price list. Barteldes Seed Co., Denver, Colo.

Greens, cut palmetto and cycas palm leaves, galax, leucothoe, ferns, mosses and all decorating evergreens. The Kervan Co., 20 W. 27th St., New York.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 52 W. 28th St., New York.

Greens, fancy ferns, $1 per 1,000. Galax, $1.25. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. A. J. Fellouris, 52 W. 28th St., New York

Greens, fadeless sheet moss and wild smilax. E. A. Beaven, Evergreen, Ala.

Greens, fancy or dagger ferns, 75c. Perkins, Newark, N. J.

HARDY PERENNIALS.

Hardy perennials, Aster Novæ-Angliæ, 2-yr., 40c per 10; $3 per 100. Rudbeckia, laciniata, 2-yr., 40c per 10; $3 per 100. Dianthus barbatus, 2-yr., 50c per 10; $3.50 per 100; Chinensis grandi., 2-yr., 50c per 10; $4 per 100. Calliopsis lanceotata, 2-yr., 40c per 10; $3 per 100. Phlox, separate colors, 2-yr., 50c per 10; $4 per 100; mixed seedlings, 2-yr., 40c per 10; $3 per 100. Valley Farms Nursery Co., Brookfield, Center, Conn.

Herbaceous perennials, 967 varieties. Bay State Nurseries, North Abington, Mass.

Phlox, iris, pinks, etc. Vick & Hill, Rochester, N. Y.

HIBISCUS.

Hibiscus Syriacus Meehani. P. J. Berckmans Co., Inc., Augusta, Ga.

HOLLYHOCKS.

Hollyhocks, from seed bed, $1 per 100; $8 per 1,000. Geo. Engel, Xenia, O.

HONEYSUCKLES.

Honeysuckles, 4-in. pots, $8 per 100. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

HYDRANGEAS.

Hydrangea rosea, 3-in., $1 per doz.; $8 per 100. Otaksa and Thos. Hogg, 4-in., 2 to 3 branches, $10 per 100; 3 to 4 branches, $15 per 100. Vaughan's Seed Store, Chicago and New York.

Hydrangea Arborescens Alba Grandi. E. G. Hill Co., Richmond, Ind.

Hydrangeas, Hortensia and Otaksa, 6 to 7-in., $12 per 100; specimens for 10 to 12-in., $60 per 100. Storrs & Harrison Co., Painesville, O.

Hydrangea otaksa, pot-grown, 4-in., $8 and $9 per 100. Mrs. Chas. W. Reimers, 629 4th Ave., Louisville, Ky.

Hydrangea Otaksa, field-grown, $1.50 and $2 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Hydrangea otaksa, 7 and 8-in., $10 per 100. W. F. Kasting, 383 Ellicott St., Buffalo, N. Y.

500 Hydrangea P. G., 2-3 ft., $6 per 100. Otto Hacker, R. D. 1, Painesville, O.

Hydrangeas. Jackson & Perkins Co., Newark, N. Y.

IVY.

Ivy, hardy English, $2 per 100; $15 per 1,000. R. Vincent, Jr. & Son, White Marsh, Md.

Ivy, English, 4½-in., $2 per doz.; $15 per 100. A. Schultheis, College Point, N. Y.

JERUSALEM CHERRIES.

Jerusalem cherries, 3½-in. in bloom, $4 per 100. J. W. Dunford, Clayton, Mo.

Jerusalem cherries, field-grown, 4-in., 3c. Byer Bros., Chambersburg, Pa.

MARANTAS.

Maranta Lietzii, 2½-in., $1 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

MUSHROOM SPAWN.

Mushroom Spawn, pure culture spawn, and importers of English mushroom spawn. Knud Gundestrup & Co., 4273 Milwaukee Ave., Chicago.

Mushroom spawn, fresh new culture spawn always in stock for quick delivery at eastern prices. Barteldes Seed Co., Denver, Col.

Mushroom spawn, Columbia, Alaska, Bohemia. Cochran Mushroom & Spawn Co., 911 Chemical Bldg., St. Louis, Mo.

Mushroom Spawn, English and pure culture. Weeber & Don, 114 Chambers St., New York.

Mushroom Spawn, frequent importations from England. J. J. Styer, Concordville, Pa.

NURSERY STOCK.

Nursery stock, Betula populifolia, 8 to 10, $5 per 10; $45 per 100; 10 to 12, $7 per 10; $65 per 100. Populus fastigiata, 16 to 18, $12.50 per 10; $110 per 100. Platanus occidentalis, 12 to 14, $15 per 10; $100 per 100. Euonymus Americanus, 4 to 5, $2 per 10; $16 per 100. Ligustrum ovalifolium, 3 to 4, 50c per 10; $4.50 per 100; 4 to 5, 65c per 10; $6 per 100; 5 to 6, 80c per 10; $7.50 per 100; 7 to 8, $1.20 per 10; $10 per 100. Valley Farns Nursery Co., Brookfield Center, Conn.

Nursery stock, shade trees, fruit trees, small fruits, shrubs, clematis, Barberry Thunbergii. W. & T. Smith Co., Geneva, N. Y.

Nursery stock, trees and shrubs. Price list on application. Peterson's Nursery, 503 W. Peterson Ave., Chicago.

Nursery Stock, Car. poplars, peach trees, 1-yr. apple trees, good assortment. Giles County Nursery Co., Pulaski, Tenn.

Nursery stock, evergreen and deciduous flowering shrubs and vines. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, Biota aurea nana, conifers, oranges, etc. P. J. Berckmans Co. (Inc.), Augusta, Ga.

Nursery stock, pot-grown shrubs, conifers and ornamental stock. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, large trees, oak, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, plants and shrubbery of all kinds. Dingee & Conard Co., West Grove, Pa.

If you do not find what you need in our Ready Reference Department, write us about it.

ORCHIDS.

Orchids, Cypripedium reginæ (spectabile), 1 to 2 crowns, 45c each; $4 per 10; $35 per 100; 3 to 4, 65c each; $5 per 10; $45 per 100; 5 to 6, $1 each; $9 per 10; $80 per 100; 7 to 8, $1.50 each; $12.50 per 10; $110 per 100; 9 to 15, at 20c per crown. Harlan P. Kelsey, Salem, Mass.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England; New York office, room 1, 235 Broadway.

Orchids, C. Dowiana, C. Gigas, C. Mossiæ, C. Percivaliana, C. speciosissima, C. Eldorado, C. superba, C. labiata, C. Leopoldii. Lager & Hurrell, Summit, N. J.

Orchids, C. labiata blooms and plants. Siebrecht & Son, New Rochelle, N. Y.

PALMS.

Palms, Kentia Bel., 6-in., 6 to 7 lvs., 24 ins., $1.25 each; $15 per doz. 7-in., 6 lvs., 26 to 28 ins., $1.50 each; $18 per doz. 7-in., 6 lvs., 28 to 30 ins., $2 each; $24 per doz. 7-in., 6 to 7 lvs., 32 to 34 ins., $2.50 each; $30 per doz. 7-in., 6 to 7 lvs., 35 ins., $3 each; $36 per doz. 8-in., 6 to 7 lvs., 40 ins., $3.50 each. 8-in., 6 to 7 lvs., 40 ins., heavy, $4 each. 9-in., tubs., 7 lvs., 36 to 40 ins., heavy, $5 each. 9-in., 7 lvs., 50 ins., heavy, $8 each. 12-in. pots, 8 lvs., 55 to 60 ins., heavy, $12 each. Kentia Fors., 3-in., 8 to 10 ins., $2 per doz.; $15 per 100. 6-in., 5 to 6 lvs., 26 to 30 ins., $1 each; $12 per doz. 6-in., 6 lvs., 28 to 30 ins., $1.25 each; $15 per doz. 6-in., 6 lvs., 34 to 36 ins., $1.50 each; $18 per doz. 7-in., 6 lvs., 36 to 40 ins., $2 each; $24 per doz. 8-in., 5 to 6 lvs., 45 ins., $3 each; $36 per doz. 8-in., 6 to 7 lvs., 45 to 50 ins., $3.50 each. 8-in., 6 to 7 lvs., 50 to 55 ins., $4 each. 9-in., 6 lvs., 55 to 60 ins., $4.50 each. 10-in. tubs, 6 to 7 lvs., 65 ins., $6 each. 10-in., 6 to 7 lvs., 70 ins., $7 each. 12-in. pots, 6 lvs., 75 ins., $8 each. Made-up Fors., 8-in., 3 plants in pot, 40 ins., $3 each. 8-in., 3 plts., 40 to 45 ins., $3.50 each. 9-in., 3 plts., 50 ins., $4 each. 9-in., 3 plts., 55 ins., $4.50 each. 9-in., 3 plts., heavy, 60 ins., $5.50 each. 9-in. tubs, 3 plts., heavy, 65 ins., $6 each. 9-in., tubs, 3 plts., heavy, 70 ins., $7 each. 10-in., 5 plts., 55 ins., $6 each. Cycas Revoluta, 1 to 6 lbs., 50c per lb. Vaughan's Seed Store, Chicago and New York.

Palms, Areca lutescens, 5-in., 50c each; $5 per doz. Cocos, 2½-in., $1.50 to $1.75 per doz.; C. Bonetti, specimens, $40 each. Kentia Bel., 3-in., $2 per doz.; 6-in., xx, $1.25 each, $15 per doz.; Kentia Fors., 5-in., 60c each, $7.20 per doz., 6-in., $1.25 each, $15 per doz.; 7-in., $2 each, $24 per doz. Phœnix Can., 2-in., $1 per doz.; 5-in., $5 per doz.; 10-in., $3 each; large specimens. Phœnix Recli, 3½-in., $2 per doz.; 4-in., $3 per doz.; 6-in., 50c each, $6 per doz.; 7-in., 75c each. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Palms, Kentia Fors., 3 to 4 plants, 8-in., $1.50 to $3; 10-in., $6 each; $14-in., $15 to $20 each; single plants, 50c to $2 each. Belmoreana, 5-in., $4 per doz.; 6-in., $9 per doz.; 6½ and 7-in., $18 per doz.; large plants, $2.50 to $3.50 each. Livistona, 5 to 5½-in., $5 per doz.; 6½-in., $9 per doz.; 7-in., $12 per doz. Cycas revoluta, 5½, 6, 7 and 8-in., 50c to $1.50 each. A. Schultheis, College Point, N. Y.

Palms, Kentia Fors., 6-in. pots, 35 to 40 ins., $1.25 to $1.50; 30 to 35 ins., 4-yr., $1; 5½-in., 25 to 30, 3-yr., 75c; 4-in., made-up, 3 plants to pot, 18 to 20 ins., 25c to 30c. K. Bel., 6-in., 5 to 6 leaves, 30 to 35 ins., $1.25; 5½ to 6 ins., 5 to 6 leaves, 75c to $1. K. Fors., 7-in., made-up, 22 to 24 ins., $2 each. Cocos Wed., 15c. Areca Lutescens, made-up, 4-in. pots, 25c. G. Aschmann, 1012 Ontario St., Philadelphia.

Palms, Kentia, 3-in., $10 per 100. Phœnix Can., 4-in., $15 per 100. Ludvig Mosbaek, Onarga, Ill.

Palms of all kinds. R. Dreyer, Woodside, L. I., N. Y.

Palms. L. Van Houtte Pere, Ghent, Belgium.

Palms. P. J. Berckmans Co. (Inc.), Augusta, Ga.

PANSIES.

Pansies, International, English prize, Parisian, Giant Trimardeau, Odier, $3 per 1,000; 100 by mail, 50c. F. A. Baller, Bloomington, Ill.

Pansy plants, $2.50 per 1,000; 50c per 100 postpaid. F. A. Blinn, Cromwell, Conn.

Pansy seedlings, Intern., $3 per 1,000; 50c per 100; transp., $6 per 1,000; 75c per 100. Ludvig Mosbaek, Onarga, Ill.

Pansies, $3 per 1,000; 50c per 100. Jos. H. Cunningham, Delaware, O.

Pansies, giant prize, mixed colors, $3 per 1,000. Peter Brown, Lancaster, Pa.

Pansies, giant, $3 per 1,000. Byer Bros., Chambersburg, Pa.

PEONIES.

Peonies, 7-yr. clumps, Mrs. Chamberlin, Alba Imbricata, Galene, A. Mechin, Exquisite, Hill's Dwarf White, Discordia, James Vick, B. Schroeder, Western Beauty, Proserpine, Edulis Superba, Duke of Clarence, Ismarus, Paradoxa Rosea, A. Lemonnier, Eugene Verdier, T. Gandavensis, Saturnalis, Helena, Grandiflora, D. of Peck, O. B. Baldwin, Miss Bricem, Vesper, Climax, Achilles, Thurlow's dbl. rose, Halesus Bridesmaid, Areos, Janus, Hesperius, Dai, Lady Carrington, E. Y. Tea's seedlings, Magnifica, Albaflora Edulis, Princess Maud, Alonzo, Prince George, Pulcherina, Miss Salway, Lyceum, Excelsior, Queen Victoria, Rosamond, Hermus, Milton Hill, Appolla Atlanta, Papaveriflora, Thurlow's Mixture. Chicago Carnation Co., Joliet, Ill.

Peonies, Eclatante, Ne Plus Ultra, Rubra Triumphans, $2 per doz.; $12 per 100. Beresford, Delachii, Queen Victoria, Rosamond, Washington, $2.50 per doz.; $15 per 100. Delicatissima, $4.50 per doz.; Festiva Alba, $3.50 per doz.; $25 per 100. Festiva Maxima, La Tulipe, $5 per doz.; $35 per 100. Floral Treasure, G. Harvest, $4.50 per doz.; $30 per 100. Globosa, $1.50 per doz.; $10 per 100. Grandi, Rubra, $4 per doz.; $20 per 100. Humei, $1.50 per doz.; $10 per 100. Marie Lemoine, $4 per doz.; $25 per 100. Offi. Rubra Plena, $1.50 per doz.; $8 per 100; $75 per 1,000. Somerset, $3 per doz.; $20 per 100. Mixed vars., per 100, $8; per 1,000, $75. James King Nursery, Elmhurst, Ill.

Splendid collection of peonies. Send 25c in stamps for each of the following: Peony and Phlox Manuals, and all about Evergreens. C. S. Harrison's Select Nursery, York, Neb.

Peonies, Dorchester, 3 and 5 eye div., $25 per 100. Queen Victoria, $12 per 100; $100 per 1,000. Storrs & Harrison Co., Painesville, O.

Peonies, Queen Victoria, $9 per 100. Festiva Maxima, $30 per 100; Fragrans, $6 per 100. G. H. Wild, Sarcoxie, Mo.

Peonies, 6 choice kinds, all colors, $8 per 100; $75 per 1,000. F. A. Baller, Bloomington, Ill.

Peonies. Wholesale grower of the best varieties. J. F. Rosenfield, West Point, Neb.

Peonies a specialty. Peterson Nursery, 503 W. Peterson Ave., Chicago.

Peonies, leading vars. Jackson & Perkins Co., Newark, N. Y.

Peonies, all vars. Jacs Smits, Ltd., Naarden, Holland.

Peonies. W. & T. Smith Co., Geneva, N. Y.

PEPPERS.

Peppers, Celestial or Xmas., 4-in., $1.25 per doz.; $10 per 100. 5-in., $2 per doz.; $15 per 100. Vaughan's Seed Store, Chicago and New York.

Peppers, 4-in., bushy, $12 per 100. Storrs & Harrison Co., Painesville, O.

PRIMULAS.

Primulas, Chinensis, 2½-in., $3 per 100. Obconica Grand., 2½-in., $2.50 per 100. Storrs & Harrison Co., Painesville, O.

Primroses, obconica alba and rosea, $2 per 100; $18 per 1,000. Jos. H. Cunningham, Delaware, O.

Primroses, Chinese, 2-in., 1½c. Byer Bros., Chambersburg, Pa.

Primroses, Chinese, 4-in. pots, $10 per 100. G. Aschmann, 1012 Ontario St., Philadelphia.

Primula obconica grandi, $2.50 per 100; $20 per 1,000. E. G. Hill Co., Richmond, Ind.

Primrose, Baby, 2½-in. pots, 4c each. The Dingee & Conard Co., West Grove, Pa.

Primula obconica, $2 per doz.; $15 per 100. A. Schultheis, College Point, N. Y.

PRIVET.

Privet, California, 5,000 about 2 feet high, bushy and strong, the lot, $145 cash. A bargain. S. Scott, Box 97, Prides Crossing, Mass.

Privet, California, the best. R. Dreyer, Woodside, L. I., N. Y.

RHODODENDRONS.

Rhododendrons. Jacs Smits, Ltd., Naarden, Holland.

ROSES.

Roses, Baby Rambler, 1st size, 2 yr., $3 per doz.; $25 per 100; $200 per 1,000. 2nd size, 2 yr., $2.50 per doz.; $20 per 100; $150 per 1,000; 1st size, 1 yr., $2 per doz.; $15 per 100; $120 per 1,000. Pot-grown in bud and bloom, 3-in. pots, $1.50 per doz.; $12 per 100. 4-in., $3 per doz.; $20 per 100. 5-in., $5 per doz.; $40 per 100. 6-in., $6 per doz.; $50 per 100. Etoile de France, 1-yr., dormant, $2 per doz.; $15 per 100. Richmond, 2½-in., $7 per 100; $60 per 1,000; 3-in., $8 per 100; $75 per 1,000; 4-in., $12 per 100; $100 per 1,000. Killarney, 3-in., $8 per 100; $75 per 1,000; 4-in., $12 per 100; $100 per 1,000. Vaughan's Seed Store, Chicago and New York.

Roses, Richmond, 2¼-in., $5 per 100; $40 per 1,000; 3½-in., $6.50 per 100; $55 per 1,000. Beauty, 3-in., $5 per 100; $40 per 1,000; 3½-in., $6.50 per 100; $55 per 1,000. Chatenay, Uncle John, 2½-in., $3.50 per 100; $30 per 1,000; 3½-in., $5 per 100; $45 per 1,000. G. Gate, 2½-in., $3.50 per 100; $30 per 1,000; 3½-in., $4.50 per 100. Kaiserin, 2½-in., $3.50 per 100; $30 per 1,000; Sunrise, 3½-in., $5.50 per 100; $50 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Roses, grafted, Killarney, 3½-in. pots, $15 per 100. Liberty, Kaiserin, Maids, 3½-in., $12 per 100. Own root, Richmond, Perle, 3-in., $6 per 100. Bride, Maid, G. Gate, Kaiserin, Liberty, Wootton, 3-in., $4 per 100. J. L. Dillon, Bloomsburg, Pa.

Roses, field-grown, Magna Charta, C. Rambler, P. Neyron, Dorothy Perkins, etc., $12 per 100; $100 per 1,000. Storrs & Harrison Co., Painesville, O.

Roses, Frau K. Druschki, 2-yr., $80 per 1,000. Soleil d Or, $8 per 100. Teplitz, $8. Etoile de France, $25 per 100. Peter Lambert, Trier, Germany.

Roses, Liberty, 3-in., $4 per 100; $35 per 1,000. Chatenay, 2½-in., $4 per 100; $35 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

Rose, Queen Beatrice, finest forcing pink, to be disseminated spring of 1907. F. H. Kramer, 916 F St., N. W., Washington, D. C.

Roses, from 2½-in. pots, Ivory, G. Gate, Bride, Maid, Chatenay. Mrs. J. W. Crouch, 709 Market St., Chattanooga, Tenn.

Roses, C. Soupert, Marie Pavie, C. Rambler, Dorothy Perkins. P. J. Berckmans Co. (Inc.), Augusta, Ga.

Rose Pink Enchantress, $7 per 100; $60 per 1,000. S. S. Skidelsky, 824 N. 24th St., Philadelphia.

Roses, Baby Rambler, XXX, $12 per 100. Nathan Smith & Son, Adrian, Mich.

Roses, 2½-in. pots, $20 per 1,000. C. M. Niuffer, Springfield, O.

Roses, over 1,000 vars. on own roots, all sizes. Dingee & Conard Co., West Grove, Pa.

Roses, Bride and Maid, 3-in., $4 per 100. Ludvig Mosbaek, Onarga, Ill.

Roses, 4-in. pots. Muskogee Carnation Co., Muskogee, Ind. Ter.

Roses, field-grown for forcing. W. & T. Smith Co., Geneva, N. Y.

Roses, climbing plants. Jacs Smits, Ltd., Naarden, Holland.

If you do not find what you need in our Ready Reference Department, write us about it.

Roses, 101 sorts. Leedle Floral Co., Springfield, O.

Roses, from 3-in. pots. Wood Bros., Fishkill, N. Y.

Roses, Jackson & Perkins Co., Newark, N. Y.

SANSEVIERIAS.

Sansevieria Zey., 4 to 5-in., $15; 3-in., $8 per 100. Ludvig Mosbaek, Onarga, Ill.

SEEDS.

Seeds, palm, Kentia Fors., K. Bel., $1.25 per 1,000. Canterburyana, $3 per 1,000. Moorei, $12 per 1,000. Areca Baueri, $1 per 1,000. Seaforthia elegans, 50c per 1,000. Livistona australis, 50c per 1,000. Bacularia monostachya, $1.50 per 1,000. Gymnostachys anceps, $2 per 1,000. Calamus Muelleri, $1.50 per 1,000. Tree seeds, Castanospermum australe, $5 per 1,000. Araucaria excelsa, $1.25 per 1,000. J. Staer, Wahroonga, N. S. W., Australia.

Seeds, Asparagus, A. plumosus nanus, Northern greenhouse grown seed, 100 seeds, 60c; 250 seeds, $1.25; 1,000 seeds, $4.50. Southern greenhouse grown, 1,000 seeds, $2.50; 5,000 seeds, $10. A. plumosus robustus, 100 seeds, $1; 1,000 seeds, $9. Decumbens, 100 seeds, 50c; 1,000 seeds, $4. Comorensis, 100 seeds, $1; 1,000 seeds, $7.50. Cash discount 2 per cent. Vaughan's Seed Store, Chicago and New York.

Seeds, peas, Am. Wonder, Autocrat, Consummate, Duke of York, Alaska, dwf. Telephone, Daisy, Eng. Wonder, Sutton's Excelsior, Green Gem, G. of Devon, Ne Plus Ultra, Prince of Wales, Rentpayer, Strategem, Senator, Stanley, Telephone, Triumph, The Gladstone, Sherwood, Gradus, Thos. Laxton, Wm. Hurst. W. W. Johnson & Son, Ltd., Boston, England.

Seeds, sweet peas, Earliest White, per pkt. (40 seeds), 25c; 5 pkts., 75c net. ½ size pkts., 15c; 2 pkts., 25c; 10 pkts., 75c. Burpee's Earliest of All, per oz., 10c; ¼ lb., 30c; per lb., $1. W. Atlee Burpee & Co., Philadelphia.

Seeds, L. C. Nungesser, Griesheim near Darmstadt, Germany, exporter and importer. Specialties: Selected grass and clover seeds, alfalfa of Provence and Turkestan; free from dodder and cuscuta. Crimson clover.

Seeds, Giant Market Pansy, ¼ oz., $2.50; 1 oz., $8. Our Florist Strain German Pansy mixed, 1 oz., $1. Ask for complete list florist seeds and supplies. Barteldes Seed Co., Denver, Colo.

Seeds, Suhr's genuine Danish Cauliflower, Dwarf Erfurter and Danish Giant; Cabbage, Danish Ball Head. Wholesale only. Write for particulars. E. Suhr, Copenhagen, Denmark.

Seeds, cineraria, large fld., mixed and semi-dwf. mixed, tr. pkt., 50c. Pansy mixed, oz., $4.50; ¼-oz., $1.15; ⅛-oz., 60c. W. C. Beckert, 103 Federal St., Allegheny, Pa.

Seeds, True Blue Rocky Mountain Columbine seed, new crop now ready, ¼ oz., 40c; 1 oz., $1.25. Barteldes Seed Co., Denver, Colo.

Seeds, Araucaria imbricata, $10 per 1,000. Funtumia elastica, $5 per 100. Jules Van Mol, rue Goffart 27, Brussels, Belgium.

Seeds, all kinds, specialties, onion, carrot, lettuce, sweet peas. Pacific Seed Growers' Co., 109 Market St., San Francisco.

Seeds, Asparagus plumosus, per oz., $1; per lb., $14; 5 lbs., $55; 10 lbs., $100. F. G. Taylor Seed Co., Glendale, Cal.

Seeds, all kinds of vegetable and flower seeds. C. C. Morse & Co., 171 Clay St., San Francisco.

Seeds, Asparagus plumosus, $3.50 per 1,000 seeds. J. M. Thorburn & Co., 33 Barclay St., New York.

Seeds, 5,400 acres of garden seeds in cultivation. Braslan Seed Growers' Co., San Jose, Cal.

Seeds of all kinds. Stokes Seed Store, 219 Market St., Philadelphia.

Seed, Asparagus Comorensis, 50c per 100. R. D. Herr, Refton, Pa.

Seeds of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Seeds, the Davis Perfect cucumber. Alfred J. Brown Seed Co., Grand Rapids, Mich.

Seeds. W. Atlee Burpee Co., Philadelphia, Pa.

Seeds, Snowball cauliflower. R. Wiboltt, Nakskov, Denmark.

SELAGINELLAS.

Selaginella Denticulata, 3-in., $1 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

SMILAX.

500 smilax, 3-in., large stocky plants, $1.50 per 100. The Stover Floral Co., Grandville, Mich.

Smilax, 2-in., strong, $1 per 100; $9 per 1,000. C. Humfeld, Clay Center, Kan.

Smilax, 3-in., $4 per 100; $35 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Smilax, 3-in., $3 per 100; 2-in., $2. W. H. Gullett & Sons, Lincoln, Ill.

Smilax, $2 per 100; $15 per 1,000. R. Vincent, Jr. & Son, White Marsh, Md.

Smilax, 2-in. pots, $1 per 100. West End Greenhouses, Lincoln, Ill.

Smilax, $1 per 100; $9 per 1,000. Jos. H. Cunningham, Delaware, O.

Smilax, Wood Bros., Fishkill, N. Y.

SPIREAS.

Spirea Van Houttei. W. & T. Smith Co., Geneva, N. Y.

Spireas. Jacs Smits, Ltd., Naarden, Holland.

STEVIAS.

Stevia serrata, field, 4c. Byer Bros., Chambersburg, Pa.

VERBENAS.

Verbenas, Ellen Wilmette, 2-in., $2 per 100. Ludvig Mosbaek, Onarga, Ill.

VINCAS.

Vinca, field-grown, 1st size, $6 per 100; 2d, $3 per 100. Ludvig Mosbaek, Onarga, Ill.

Vinca Var., from field, $5 per 100. Jos. H. Cunningham, Delaware, O.

VIOLETS.

Violets, Gov. Herrick, new single violet, good keeper; rooted cuttings, $2 per doz.; $10 per 100; $75 per 1,000; 5,000 or more, $60 per 1,000. H. R. Carlton, Willoughby, O.

Violets, field-grown, clumps, Prince of Wales and California, $4 per 100. Mrs. Chas. W. Reimers, 329 4th Ave., Louisville, Ky.

Violet plants, Marie Louise and Princess of Wales, field-grown, $5 per 100. Holton & Hunkel Co., Milwaukee, Wis.

Violets, Lady Campbell, field-grown, $20 per 1,000. J. M. Bramham, Waldrop, Va.

Violets, California, large clumps, $5 per 100. J. W. Dunford, Clayton, Mo.

Violets. Wood Bros., Fishkill, N. Y.

WHOLESALE CUT FLOWERS.

Commission Dealers.

Allen J. K., 106 W. 28th St., New York.

Amling, E. C., 32-36 Randolph St., Chicago.

Berning, H. G., 1402 Pine St., St. Louis.

Cleveland Cut Flower Co., 215 Huron road, Cleveland, O.

Deamud, J. B., Co., 51 Wabash Ave., Chicago.

Flower Growers' Market, 60 Wabash Ave., Chicago.

Ford Bros., 48 W. 28th St., New York.

Froment, Horace E., 57 W. 28th St., New York.

Guttman, Alex. J., 43 W. 28th St., N. Y.

Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Henshaw, A. M., 52 W. 28th St., New York.

Horan, Edward C., 55 W. 28th, N. Y.

Hunt, E. H., 76 Wabash Ave., Chicago.

Kennicott Bros. Co., 40-44 Randolph St., Chicago.

Kessler, Phil. F., 55 W. 26th St., N. Y.

Kuehn, C. A., 1122 Pine St., St. Louis.

Langjahr, Alfred H., 55 W. 28th St., New York.

McCullough's Sons Co., J. M., 316 Walnut St., Cincinnati, O.

McKellar, Chas. W., 51 Wabash Ave., Chicago.

McKissick, W. E., 1221 Filbert St., Philadelphia.

Pennock-Meehan Co., 1608-18 Ludlow St., Philadelphia.

Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Murdoch, J. B. & Co., 545 Liberty Ave., Pittsburg, Pa.

N. Y. Cut Flower Ex., Coogan Bldg., 6th Ave. and W. 26th St., New York.

Niessen Co., Leo, 1217 Arch St., Phila.

Pittsburg Cut Flower Co., Ltd., 504 Liberty Ave., Pittsburg, Pa.

Pittsburg Florists' Exchange, 217-223 Diamond St., Pittsburg, Pa.

Pollworth, C. C. Co., Milwaukee, Wis.

Randall, A. L. Co., 19 Randolph St., Chicago.

Raynor, John I., 49 W. 28th St., N. Y.

Rice Bros., 128 N. 6th St., Minneapolis, Minn.

Seligman, John, 56 W. 26th St., N. Y.

Sheridan, Walter F., 39 W. 28th St., New York.

Traendley & Schenck, 44 W. 28th St., New York.

Vaughan & Sperry, 58-60 Wabash Ave., Chicago.

Welch Bros., 226 Devonshire St., Boston.

Winterson, E. F. Co., 45-49 Wabash Ave., Chicago.

Young, A. L. & Co., 54 W. 28th St., New York.

Young, Thos., 43 W. 28th St., N. Y.

Zech & Mann, 51 Wabash Ave., Chicago.

Growers.

Bassett & Washburn, 76-78 Wabash Ave., Chicago.

Benthey-Coatsworth Co., The, 35 Randolph St., Chicago.

Bruns, H. N., 1409-1411 W. Madison St., Chicago.

Budlong, J. A., 37-39 Randolph St., Chicago.

Chatogue Greenhouses, Mobile, Ala.

Elliott, W. H., Brighton, Mass.

Forest City Greenhouses, Rockford, Ill.

Hill, The E. G. Co., Richmond, Ind.

Jensen & Dekema, 674 W. Foster Ave., Chicago.

Muskogee Carnation Co., Muskogee, I. T.

Peacock Dahlia Farms, Atco, N. J.

Poehlmann Bros. Co., 35-37 Randolph St., Chicago.

Reinberg, Peter, 51 Wabash Ave., Chicago.

Sinner Bros., 60 Wabash Ave., Chicago.

Weiland & Risch, 59 Wabash Ave., Chicago.

Wietor Bros., 51 Wabash Ave., Chicago.

Wilcox, J. F., Council Bluffs, Iowa.

Wittbold, Geo. Co., 1657 Buckingham Place, Chicago.

RETAIL CUT FLOWERS.

Atlanta Floral Co., 41 Peachtree St., Atlanta, Ga.

Berterman Bros. Co., 241 Massachusetts Ave., Indianapolis, Ind.

Breitmeyer's Sons, John, cor. Miami and Gratiot Aves., Detroit, Mich.

Cooke, George H., Connecticut Ave. and L St., Washington, D. C.

Daniels & Fisher, Denver, Colo.

Donohoe, W. H., 2 W. 29th St., N. Y.

Eyres, H. G., 11 N. Pearl St., Albany, N. Y.

Gude, A. & Bro., 1214 F St., Washington, D. C.

Hansen, Mrs. M. A., Galveston, Tex.

Hauswirth, P. J., Audit. Annex, Chi.

Hess & Swoboda, 1415 Farnum St., Omaha, Neb.

If you do not find what you need in our Ready Reference Department, write us about it.

Holm & Olson, St. Paul, Minn.

Kellogg, Geo. M., 906 Grand Ave., Kansas City, Mo.; also Pleasant Hill, Mo.

Lange, A., 40 E. Madison St., Chicago.

Livingston Seed Co., Columbus, O.

Matthews, 16 W. 3rd St., Dayton, O.

Mayberry & Hoover, 1339 14th St., N. W., Washington, D. C.

McConnell, Alex., 571 Fifth Ave., Windsor Arcade, New York.

Miller, Theo., 4832 Delmar Blvd., St. Louis, Mo.

Mills The Florist, 36 W. Forsyth St., Jacksonville, Fla.

Murray, Samuel, Coates House Con., 1017 Broadway, Kansas City, Mo.

Park Floral Co., The, Denver, Col.

Palmer's, Buffalo, N. Y.

Schulz, J., 644 4th Ave., Louisville, Ky.

Virgin, Uriah J., 833 Canal St., New Orleans, La.

Weber, Fred C., 4320-28 Olive St., St. Louis, Mo.

Wilcox, J. F., Council Bluffs, Iowa.

Wilson, Robert G., Brooklyn, N. Y.

BOILERS.

Boilers, improved greenhouse boilers, made of best material; shell firebox sheets and heads of steel; water space all around (front, sides and back). Kroeschell Bros. Co., 45 Erie Street, Chicago.

Boilers, Gurney heaters, heat by steam or hot water. Gurney Heater Mfg. Co., 111 5th Ave., New York; 74 Franklin St., Boston.

Boilers, the Burnham boilers, made for greenhouse heating. Lord & Burnham Co., 1133 Broadway, New York.

Boilers, corrugated, fire box and sectional, greenhouse heating. Hitchings & Co., 1170 Broadway, New York.

Boilers, boilers of high grade for greenhouses. Steam and hot water. Giblin & Co., Utica, N. Y.

Boilers of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Boilers, water tube steam boilers. King Construction Co., N. Tonawanda, N. Y.

Boilers, write for prices. Johnston Heating Co., 1133 Broadway, N. Y.

Boilers. Myers & Co., 1122 Betz Bldg., Philadelphia.

BOXES.

Cut Flower Boxes, ivy green finish, full assortment. Lots of 500 with printing no extra charge. Ask for sample. The Barteldes Seed Co., Denver, Col.

Cut Flower Boxes, water-proof; corner lock style. No charge for printing on orders above 250 boxes. Livingston Seed Co., Columbus, O.

Cut Flower Boxes; send for prices. Edwards Folding Box Co., Philadelphia, Pa.

BUILDING MATERIAL.

Building material, lumber for greenhouse benches. Ship lap, drop siding, sheathing, flooring, white cedar posts, etc. We are in special position to furnish "Pecky Cypress"; everything in pine and hemlock building lumber. Adam Schillo Lumber Co., cor. Weed and Hawthorne Sts., Chicago.

Building Material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouses and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building Material, cypress sash bars, Tennessee red cedar posts, pecky cypress benches, hotbed sash and frames, ventilating apparatus, pine, fittings and all supplies needed in new or reconstruction work. Foley Mfg. Co., 471 W. 22d St., Chicago.

Building Material. Our designs embody best features of greenhouse construction. Best grade gulf cypress used. Red cedar posts, iron fittings, hotbed sash. Lockland Lumber Co., Lockland, Ohio.

Building Material, cypress sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 111-125 Blackhawk St., Chicago.

Building Material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 617 Sheffield Ave., Chicago.

Building Material for U-Bar greenhouses. Pierson U-Bar Co., Metropolitan Bldg., 4th Ave. and 23d St., N. Y.

Building Material of all descriptions, cold frames, hotbed sash, etc. Lord & Burnham Co., 1133 Broadway, N. Y.

Building Material, cold frames, hotbed sash of every description. Hitchings & Co., 1170 Broadway, New York.

Greenhouse materials of all kinds for greenhouse heating. Johnston Heating Co., 1133 Broadway, New York.

Building material of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Building Material of all kinds. S. Jacobs & Sons, 1365-79 Flushing Ave., Brooklyn, N. Y.

FERTILIZERS.

A sample 100-lb. bag of BLATCHFORD'S PLANT GROWER AND LAND RENOVATOR FERTILIZER only $2.75. It is composed solely of pure Rose Growers' Bone Meal, Nitrate of Soda, Peruvian Guano, Sulphate of Ammonia, Sulphate of Potash and Gypsum, in the correct proportions. For benches and potting plants, roses, carnations, lilies, mums, etc., it has never been surpassed. Address

THE BARWELL AGRICULTURAL WORKS,
WAUKEGAN, ILL.
Est. at Leicester, England, in 1800.

GOLD FISH.

Gold Fish, Comets, Japanese Fantails, Fringetails, Telescopes, etc. Fish globes and aquariums. The J. M. McCullough's Sons Co., 316 Walnut St., Cincinnati, O.

Goldfish aquaria and aquarium supplies. Fred. Kaempfer, 88 State St., Chicago.

50,000 gold fish. Wissel & Cox, Mt. Airy, O.

GLASS.

Glass importers and jobbers; greenhouse glass a specialty. Window glass. James H. Rice, corner Michigan, St. Clair and Illinois Sts., Chicago.

Glass, plate and window glass, greenhouse glass a specialty. Sprague-Smith Co., 167-169 Randolph St., Chicago.

Glass, a lot of 16x18 A and B double strength at low price. A. Dietsch Co., 617 Sheffield Ave., Chicago.

Glass, window glass. Greenhouse glass a specialty. H. M. Hooker Co., 59 W. Randolph St., Chicago.

Glass, French and American "White Rose" brand. Stenzel Glass Co., 2 Hudson St., New York.

Glass, all sizes. Metropolitan Material Co., 1398 Metropolitan Ave., Brooklyn, N. Y.

Glass, all kinds and sizes. Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.

GLAZING POINTS.

Glazing Points, see the point? Holds glass firmly. Peerless glazing points are the best. No rights or lefts. Box of 1,000 points, 75c, postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

GREENHOUSE CONSTRUCTION.

Greenhouse Construction, builders of greenhouses for private estates, institutions, parks, etc. Pierson U-Bar Co., Metropolitan Bldg., 4th Ave. and 23d St., New York.

Greenhouse Construction, sash bar greenhouses. New Truss construction and iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse Construction, builders of every type of greenhouses; the most modern designs. Hitchings & Co., 1170 Broadway, N. Y.

Greenhouse Construction, builders of modern greenhouses. Myers & Co., 1122 Betz Bldg., Philadelphia.

GUTTERS.

Gutters, Garland's gutters will keep snow and ice off your glass. A sample of our gutter is on exhibition at Chicago Flower Growers' Market. Geo. M. Garland, Des Plaines, Ill.

Gutters, Lord & Burnham Improved V-shape gutter, with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

Gutters, new duplex gutter, only drip-proof gutter on the market. E. Hippard, Youngstown, O.

Gutters, Jennings, improved iron gutters. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

INSECTICIDES.

Insecticides, Nicoteen Aphis Punk, 60c per box 12 sheets; $6.50 per case of 12 boxes. Nikoteen Liquid, $1.50 per pint; $13 per case of 10 pints. Nicotine Mfg. Co., St. Louis, Mo.

Fumigating Supplies, vaporizing pans for tobacco extracts, improved. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

Fumigating Supplies, tobacco dust for fumigating. Edwin L. Koppelman & Co., 81 Pine St., New York.

Insecticides, Carman's Antipest insecticide and fungicide, $1.50 per gal. Perfection Chemical Co., Flushing, N. Y.

Insecticides, tobacco paper, 24 sheets, 75c; 144, $3.50; 288, $6.50; 1,725, $35.10. Nico-Fume Liquid, pint, $1.50; ½ gal., $5.50; gal., $10.50; 5 gal., $47.25. Kentucky Tobacco Product Co., Louisville, Ky.

Wilson's Plant Oil for all kinds of plants. In 4-oz. to 1-gal. sizes. Andrew Wilson, 437 Springfield Ave., Summit, N. J.

Insecticide, Nicoticide, Bug Killer, the best bug killer and bloom saver. P. R. Palethorpe Co., Louisville, Ky.

Fumigating Supplies, tobacco powder and stems. The H. A. Stoothoff Co., 116 West St., New York.

LAWN MOWERS.

Lawn Mower. The Clipper lawn mower, No. 1, 12-in., $5; No. 2, 15-in., $6; No. 3, 18-in., $7; No. 4, 21-in., $8. Draft, money order or reg. letter. Clipper Lawn Mower Co., Dixon, Ill.

METAL DESIGNS.

Wire Designs. We carry largest stock in west. Quick service. Western florists like our goods. Barteldes Seed Co., Denver, Col.

Metal signs, send for prices. A. Herrmann, 404-12 E. 34th St., New York.

MISCELLANEOUS.

Engravings, best engravings and illustrations of every description for catalogues. Send for estimates. Globe Eng. & Elec. Co., 427 Dearborn St., Chicago.

Printing, large runs of catalogues a specialty. Write for figures. Regan Printing House, 89-91 Plymouth Place, Chicago.

Florists' overdue accounts and bad debts collected by the National Florists' Board of Trade, 56 Pine St., N. Y.

PAINT, PUTTY, ETC.

Paint, Ideal Greenhouse Lead; Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, N. Y.

Paint, Putty, etc. H. M. Hooker Co., 59 W. Randolph St., Chicago.

Paint, Putty, etc. The Jas. H. Rice Co., 80-82 Wabash Ave., Chicago.

PIPE, FITTINGS, ETC.

Pipe, iron fittings, etc., galvanized iron sash hinges, screw eyes, screw hooks, U bolts, galvanized iron buckles and wires. Fittings for purlin and ridge supports. Foley Mfg. Co., 471 W. 22d St., Chicago.

Iron Fittings, etc.; send for prices. Lockland Lumber Co., Lockland, O.

Iron Fittings, patent iron bench fittings and roof supporters. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

If you do not find what you need in our Ready Reference Department, write us about it.

A Bargain, 4-in. cast iron pipes, 5 feet lengths at 12c per foot. C. C. Pollworth Co., Milwaukee.

Pipes, valves, fittings of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

POTS, PANS, ETC.

Pots, standard flower, 1½ in., $2.77 per 1,000; 2-in., $3.33; 2½-in., $3.88; 3-in., $5.27; 3½-in., $6.10; 4-in., $7.77; 4½-in., $10; 5-in., $13.60; 6-in., $22.20; 7-in., $4 per 100; 8-in., $6; 9-in., $8.88; 10-in., $13.33; 12-in., $22.22; 14-in., $38.88; 16-in., $66.66; 20-in., $1.25 each. Azalea pots and bulb pans same price. 2x2½ in. rose pots, $3.50 per 1,000. A. F. Kohr, 1521 N. Leavitt St., Chicago.

Pots, standard, seed pans, cut flower cylinders, hanging baskets, lawn vases, etc. Hilfinger Bros. Pottery, Ft. Edward, N. Y.

Pots, standard flower pots. The Whildin Pottery Co., Philadelphia, Pa.; Jersey City, N. J.; Long Island City, N. Y.

Pots, Eastern Red Pots, standard. We buy in car lot. You will be pleased with our stock. Ask for price list. Barteldes Seed Co., Denver, Col.

Pots, before buying write for prices. Geo. Keller & Son, 361-63 Herndon St., near Wrightwood Ave., Chicago.

Pots, red standards, full size and wide bottoms. Detroit Flower Pot Mfy., 490 Howard St., Detroit, Mich.

Pots, pots of all kinds. A. H. Hews & Co., No. Cambridge, Mass.; Long Island City, N. Y.

Pots, red standard, azalea pots. The Keller Pottery Co., 213-223 Pearl St., Norristown, Pa.

Pots, red standard. Paducah Pottery Co., Paducah, Ky.

Pots, all sizes. Ionia Pottery Co., Ionia, Mich.

Pots, Syracuse, red. Syracuse Pottery Co., Syracuse, N. Y.

Pot hangers, Kramer's $1 doz. by exp., $1.25 by mail. I. N. Kramer & Son, Cedar Rapids, Ia.

PUMPING ENGINES.

Pumping Engines, two streams of water for 1 hour cost 2 cents if you use a Standard pumping engine. The Standard Pump & Engine Co., Cleveland, O.

RAFFIA.

Raffia, samples free if you mention the American Florist. Large assortment of colors. R. H. Comey Co., Camden, N. J., 810-24 Washburn Ave., Chicago.

SEED CASES.

Seed cases, Heller's mice proof. W. C. Heller & Co., Montpelier, O.

STEAM TRAPS.

Steam Traps, the Standard return steam trap has no equal for its simplicity of working. E. Hippard, Youngstown, O.

Steam traps, Morehead Return. Morehead Mfg. Co., 1047 Grand River Ave., Detroit, Mich.

SUPPLIES.

Supplies, milkweeds, wire designs, cut wire, all kinds of letters, immortelles, cycas leaves, sheaves of wheat, ribbons, corrugated boxes of all kinds. Henry M. Robinson & Co., 8-11 Province St., Boston, Mass.

Supplies, cape flowers, cycas leaves, metal designs and all florists' supplies. A. Herrmann, 404-12 E. 34th St., New York.

Supplies, importers and manufacturers of florists' supplies. L. Baumann & Co., 78 Wabash Ave., Chicago.

Supplies, importers and manufacturers of florists' supplies. Reed and Keller, 122 W. 25th St., New York.

Supplies, wire designs, etc. The Cleveland Cut Flower Co., 215 Huron road, Cleveland, O.

Supplies and novelties of all kinds. J. Stern & Co., 1928 Germantown Ave., Philadelphia.

Supplies of all kinds. E. F. Winterson Co., 45 Wabash Ave., Chicago.

Supplies, wire designs. Pittsburg Florists' Ex., 228 Diamond St., Pittsburg, Pa.

Supplies, flower baskets, novelties. Riessner Bros., Lichtenfels, Bavaria.

Supplies of all kinds. Barteldes Seed Co., Denver, Col.

TOOTHPICKS.

Toothpicks, Cowee's wired, 10,000 for $1.50. Save freight and buy in Denver. Barteldes Seed Co., Denver, Col.

Toothpicks, wired, $1.50 per 10,000; $6.25 per 50,000. W. J. Cowee, Mfr., Berlin, N. Y.

VAPORISERS.

Vaporiser, Campbell's Patent Sulphur Vaporiser. Kills all mildews, plant diseases and red spider. No. 1, $5; No. 2, $7.50. Exors R. Campbell, Manchester, England.

VENTILATING APPARATUS.

Ventilators, the Standard ventilating machinery; original machine with self oiling cups, most powerful, least complicated, very compact. E. Hippard, Youngstown, O.

Ventilators, The Advance Ventilating Apparatus. Write for estimates and circulars. The Advance Co., Richmond, Ind.

Ventilators, Evans' Improved Challenge ventilating apparatus. Quaker City Machine Works, Richmond, Ind.

Ventilating Apparatus. Send for circulars. Diller, Caskey & Co., cor. 6th and Berk Sts., Philadelphia.

Ventilating apparatus for every type of greenhouses. Lord & Burnham Co., 1133 Broadway, New York.

Ventilators, hand ventilating, etc. The King Construction Co., N. Tonawanda, N. Y.

Ventilators, ventilating apparatus of all kinds. Hitchings & Co., 1170 Broadway, New York.

Ventilators, New Departure ventilating appliance. J. D. Carmody, Evansville, Ind.

FUMIGATION METHODS

By PROF. W. G. JOHNSON

Formerly State Entomologist of Maryland

A Practical Treatise and timely work on cheap and effective means of destroying insect pests and other vermin in various places. This work is the outcome of practical tests made by the author, together with the experiences of others, and is one of the most important books published this season and is much needed at this time. It will be of particular interest to

FRUIT GROWERS AND NURSERYMEN owing to the widespread prevalence of the notorious San Jose scale. Hydrocyanic acid gas is the only practical remedy for the destruction of this pest and is being used more extensively than ever before by nurserymen and fruit growers. The perfection of the apparatus for fumigating young orchard trees is outlined in this work. The methods can be easily applied in orchards and nurseries for many dangerous pests at very small cost. The writer is considered the best authority on this subject in this country and has left nothing undone to make this the most complete work of the kind ever published.

GARDENERS AND FLORISTS have found that vegetables and flowers cannot be grown under glass without frequent fumigation for the destruction of insect pests. Hydrocyanic acid gas has solved this problem. The methods of procedure are fully described and every detail is given for generating and applying the gas.

MILLERS AND GRAIN DEALERS have been looking forward to the publication of this work, as hydrocyanic acid gas has been found one of the most important materials for clearing mills and warehouses of insects. The subject of carbon bisulphide for fumigating mills and elevators containing grain in storage is also thoroughly considered. To this trade the work is indispensable and transportation companies have found it of great value for the fumigation of cars, ships and other inclosures infested with vermin.

FARMERS OF THE COUNTRY have here fully described a simple, easy remedy for gophers, prairie dogs, squirrels and other animals in the ground, and rats and mice in any inclosure.

COLLEGE AND STATION WORKERS will find it an up-to-date reference work on this subject. It is complete in every respect and is the only work of the kind ever published. It is written in a popular non-technical style, profusely illustrated, handsomely bound, covering 250 pages, price, postpaid, $1.00.

AMERICAN FLORIST COMPANY,
324 Dearborn St., CHICAGO.

WIRE SUPPORTS.

Wire supports, model extension carnation supports, galvanized wire rose stakes, tying wires, single and double pot hangers. Igoe Bros., 63 Metropolitan Ave., Brooklyn, N. Y.

BOOKS FOR FLORISTS.

The time is coming along when these are needed and opportunity at hand for reading them. Every one of the following should be in your library.

Send prices quoted and we send the books.

GREENHOUSE CONSTRUCTION (Taft).—It tells the whole story about how to build and heat a greenhouse, be it large or small, and that, too, in a plain, easily understood, practical way. It has 118 illustrations. $1.50.

THE GOLDFISH (Mulertt).—A number of florists find goldfish an attractive and paying addition to their business. The best advice is given in every department of the subject, including construction and care of the parlor aquarium, in this volume of 160 pages, handsomely illustrated. $2.00.

THE PRINCIPLES OF FRUIT GROWING (Bailey).—The entire subject of fruit culture is treated very thoroughly in this illustrated volume of 516 pages. It is a book that no up-to-date fruit grower can afford to be without. $1.25.

CELERY CULTURE (Vaughan).—The important subject of celery culture is thoroughly covered in this illustrated pamphlet of 59 pages. The florist raising young plants of celery and those who grow the plants to maturity will alike find it valuable. 50 cents.

GINSENG (Kains).—At the present time, when so much interest is taken in ginseng, it will be interesting to peruse this volume, which tells all about the plant in a way that all may understand. The 144 pages are freely illustrated. 50 cents.

SUCCESS IN MARKET GARDENING (Rawson).—Written by one of the most prominent and successful market gardeners in the country, and who has the large t glasshouses for forcing vegetables for market in America. Outdoor and indoor crops are treated. Illustrated, $1.00.

MUSHROOMS: HOW TO GROW THEM (Falconer).—The only American book on the subject, 29 illustrations. Written by a practical mushroom grower, who tells the whole story so tersely and plainly that a child can understand it. This book has increased mushroom growing in this country three fold in three years. $1.50.

HEDGES, WINDBREAKS, ETC. (Powell).—A treatise on the planting, growth and management of hedge plants for country and suburban homes. A volume of 140 pages, with twenty-two illustrations. 50 cents.

THE ROSE.—Its cultivation, varieties, etc. (H. B. Ellwanger).—A complete guide of the cultivation of the rose, together with the classification of all the leading varieties. $1.25.

AMERICAN FLORIST COMPANY,
324 Dearborn Street, CHICAGO.

If you do not find what you need in our Ready Reference Department, write us about it.

The Whilldin Pottery Co.

STANDARD FLOWER POTS

Our output of Flower Pots is larger than any concern in the World
Our Stock is always Large and Complete

Main Office and Factory,

713 WHARTON STREET, PHILADELPHIA

Warehouses: JERSEY CITY, N. J. LONG ISLAND CITY, N. Y.

POT MAKERS FOR 140 YEARS

A. H. HEWS & CO. INC.

CAMBRIDGE, MASS.

FLORIST WARE OF EVERY KIND

CLIPPER LAWN MOWER CO. DIXON ILL.

The Mower

that will **kill all the Weeds in your Lawn.** If you keep the weeds cut so they do not go to seed and cut your grass without breaking the small feeders of roots, the grass will become thick and the weeds will disappear.

The Clipper will do it. Ask your dealer for them. If they have not got them, below is the price: No. 1—12-inch Mower $5: No. 2—15-inch Mower, $6; No. 3—18-inch Mower, $7; No. 4—21-in Mower, $8. Send draft, money-order or reg. letter.

THE BEST Bug Killer and Bloom Saver.

For **PROOF** Write to

P. R. PALETHORPE COMPANY,

LOUISVILLE, KY.

GEO. KELLER & SON,
MANUFACTURERS OF
FLOWER POTS.
Before buying write for prices.
361-363 Herndon Street,
near Wrightwood Ave.,
CHICAGO, ILL.

THE BLACK STUFF FINE TOBACCO
FOR DUSTING IS GROUND VERY FINE FROM THE HEAVY PURE LEAF
LET US TELL YOU ABOUT IT.
THE H. A. STOOTHOFF CO. 116 WEST ST. NEW-YORK

THE KELLER POTTERY COMPANY,

Manufacturers of **FLORISTS' RED STANDARD POTS.**

Azalea Pots, Bulb and Fern Pans, Etc.

Write for Price List. 213-15-17-19-21-23 Pearl St., **NORRISTOWN, PA.**

IONIA CLAY is the BEST CLAY

We would not dare to claim to make the BEST POT—BEST in STRENGTH, SMOOTHNESS and POROSITY—if the claim was not true. Our capital and business integrity for 35 years stands behind the assertion. A perfect mail order system and skilled packers enable us to ship your order the day it is received.

A postal brings our general catalogue.

IONIA POTTERY COMPANY, Ionia, Mich.

STANDARD FLOWER POTS

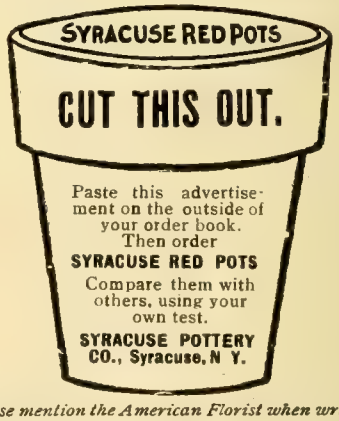
No Charge for Crates or Packing.

Inches	per 1000	Inches	per 100
1½	$ 2.77	7	$ 4.00
2	3.33	8	6.00
2½	3.88	9	8.88
3	5.27	10	13.33
3½	6.10	12	22.22
4	7.77	14	38.88
4½	10.00	16	66.66
5	13.60	20	each, 1.25
6	22.20		

Azalea Pots and Bulb Pans same as **Standard Pots.** 2 and 2½-in Rose Pots, $3.50 per 1000. These pots are **carefully made,** very strong and porous. Liberal count is given, thereby protecting our patrons against possible breakage. **Above prices subject to 10 per cent. discount for cash.**

A. F. KOHR, 1521-23-25 N. Leavitt St, Chicago.

Please mention the American Florist when writing.



Please mention the American Florist when writing.

Standard Flower Pots!

Packed in small crates, easy to handle.

Price per crate			Price per crate		
1500 2-in., in crate,		$4 88	120 7-in., in crate,		$4 20
1500 2¼	"	5.25	60 8	"	3.00
1500 2½	"	6.00	HAND MADE.		
1000 3	"	5.00	48 9-in., in crate,		$3.60
800 3½	"	5.80	48 10	"	4.80
500 4	"	4.50	24 11	"	3.60
320 5	"	4 51	24 12	"	4.80
144 6	"	3.16	12 14	"	4.80
			6 16	"	4.50

Seed pans, same price as pots. Send for price list Cylinders for Cut Flowers. Hanging Baskets, Lawn vases, etc. Ten per cent off for cash with order. Address

HILFINGER BROS. POTTERY, Fort Edward, N. Y
or AUGUST ROLKER & SONS, New York Agents,
31 Barclay Street, New York City.

Eine absolute Nothwendigkeit!

Hiermit $1.00 für mein Abonnement. Es ist die Pflicht eines Jeden prompt für den „American Florist" zu bezahlen, weil dieser eine absolute Nothwendigkeit für jeden Blumenzüchter ist.

Carl Roegner, Alabama.

Red Standard Flower Pots

Price list and samples on application.

PADUCAH POTTERY CO., Inc.

PADUCAH, KENTUCKY.

Kramer's Pot Hangers

For Sale by Wholesale Seedsmen, Florists and Supply Dealers.

Price, $1.00 per dozen by express. Sample dozen by mail, $1.25.

L. N. Kramer & Son, CEDAR RAPIDS, IOWA.

Those Red Pots

"STANDARDS"

FULL SIZE AND WIDE BOTTOMS, BULB PANS AND AZALEA POTS.

DETROIT FLOWER POT M'F'Y.

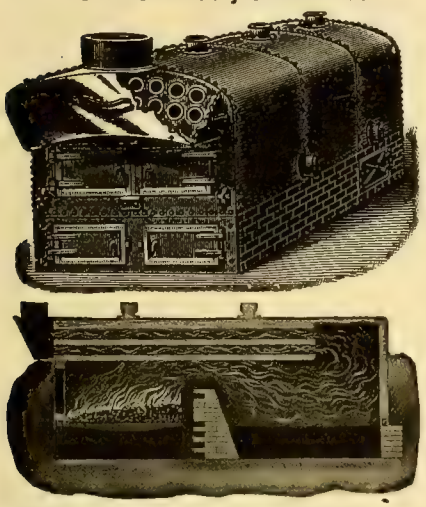
HARRY BALSLEY, Rep. DETROIT, MICH. 490 Howard St.

KROESCHELL BROS. CO.

IMPROVED

Greenhouse Boiler

45 Erie Street, CHICAGO.



Boilers made of the best of material, shell, fire-box sheets and heads of steel, water space all around (front, sides and back). Write for information.

CUT FLOWER BOXES

WATERPROOF Corner Lock Style.

The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always.

	Per 100	Per 1000
Size No. 0. 3x 4x20	$2.00	$19.00
" 1. 3x 4½x16	1.90	17.50
" 2. 3x 6x18	2.00	19.00
" 3. 4x 8x18	2.50	23.00
" 4. 3x 5x24	2.75	26.00
" 5. 4x 8x22	3.00	28.50
" 6. 4x 8x28	3.75	36.00
" 7. 6x16x20	5.50	54.00
" 8. 3x 7x21	3.00	28.50
" 9. 5x10x35	6.50	62.00
" 10. 7x20x20	9.50	67.50
" 11. 3½x5x30	3.00	28.50

Sample free on application. No charge for printing on orders above 250 boxes. Terms cash.

THE LIVINGSTON SEED COMPANY,
Box 104, COLUMBUS, OHIO.

A. HERRMANN,

Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florists' Supplies.

SEND FOR PRICES.

404-412 East 34th St., NEW YORK.

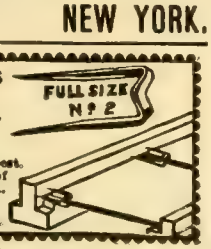
STENZEL GLASS CO.,

GREENHOUSE GLASS.

French and American "WHITE ROSE" Brand.

2 Hudson St., NEW YORK.

Holds Glass Firmly
See the Point
PEERLESS
Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
HENRY A. DREER, 714 Chestnut St., Phila., Pa.



CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

THE LOW PRICE HEATING PLANTS

The Chicago House Wrecking Co. is in position to offer you an interesting proposition for furnishing you with a heating plant at a saving of at least 30%. Send us a sketch of your houses with preferred location of the boiler, the points of compass and the desired night temperature for zero weather, and we will gladly submit you an exact detail quotation of all material required to install the plant. We have ***heaters*** and ***boilers*** of every kind, both new and rebuilt. We have always on hand a large number of rebuilt boilers suitable for greenhouse heating. Our stock embraces ***fire box boilers, horizontal tubular boilers, Kroeschell boilers, cast iron sectional boilers, Erie City economizers*** and other types

We can save you considerable money on ***pipe, valves*** and ***fittings;*** also on ***doors, glass, sash*** and everything needed in the construction of your buildings.

Ask for our Special Catalogue No. 47.

CHICAGO HOUSE WRECKING CO.,
35th and Iron Streets, CHICAGO.

The James H. Rice Co.

IMPORTERS and JOBBERS

GREENHOUSE GLASS

A SPECIALTY.

Window Glass, Paint, Putty, etc.

Office and Warehouse: Corner of Michigan, St. Clair and Illinois Streets, CHICAGO.

GREENHOUSE HEATING

Complete heating plants erected or materials furnished with working plans. Write for prices on **BOILERS.**

JOHNSTON HEATING COMPANY,
St. James Building, 1133 Broadway, NEW YORK.

GLASS

GOOD BRANDS.
QUICK SHIPMENTS.
LARGE STOCK.

Warehouse on railroad switch. **Be Sure and Get Our Prices.**

SHARP, PARTRIDGE & CO.,
22nd and Lumber Sts., CHICAGO.

Carman's Antipest

INSECTICIDE AND FUNGICIDE

For the Garden, Orchard and Greenhouse.

Non-poisonous and harmless to vegetation.

Kills Green Fly, Aphides, Bark Lice, Thrip, Mealy Bug, Red Spider, Scale, Wire Worms, Ants and Slugs.

This is the Grower's Friend, handy to use, cheap and effective, mixes readily in water. Destroys all insect pests and keeps down filth. Circulars on application. **$1.50 per gallon.** Also in quarts, half gallons and in bulk.

PERFECTION CHEMICAL CO.,
FLUSHING, N. Y.

Please mention the American Florist when writing.

H. M. HOOKER CO.

Window Glass, Paints and Putty. Greenhouse Glass a Specialty.

59 W. Randolph St., CHICAGO.

Please mention the American Florist when writing.

NIKOTEEN APHIS PUNK

THE ORIGINAL AND GENUINE

NICOTINE FUMIGANT

STRONGEST AND MOST UNIFORM

PRICE 60¢ PER BOX OF 12 LONG SHEETS

$6.50 PER CASE OF 12 BOXES

NIKOTEEN

LIQUID

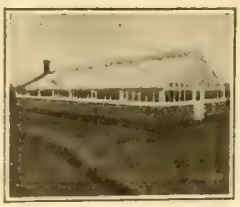
FOR SPRAYING OR VAPORIZING

PRICE $1.50 PER PINT BOTTLE

$13.00 PER CASE OF 10 PINT BOTTLES.

NICOTINE MFG. CO. ST. LOUIS MO.

Please mention the American Florist when writing.



MYERS & CO.

BUILDERS OF

Modern Greenhouses

HEATING BOILERS.

1122 Betz Bldg.,
PHILA., PA.

Please mention the American Florist when writing.

EVANS' IMPROVED

CHALLENGE VENTILATING APPARATUS

WRITE FOR ILLUSTRATED CATALOGUE

QUAKER CITY MACHINE WORKS.

RICHMOND, IND.

Please mention the American Florist when writing.

GREENHOUSE MATERIAL.

OF ALL KINDS

FOLEY MFG. Co. 471 W. 22ND ST. CHICAGO

VENTILATING APPARATUS PURLIN FITTINGS, HOT-BED SASH &C.

SEND FOR NEW FREE ILLUSTRATED CATALOGUE —

If you are having delay in getting your roof material, send your orders TO US and don't be in trouble. We will handle any order in the time agreed. Try us.

FOLEY MANUFACTURING CO., 471 West 22nd St., Chicago.

Greenhouse Material of Louisiana Cypress and Washington Red Cedar

Hot Bed Sash

GREENHOUSE HARDWARE AND POSTS. PATENT V AND U GUTTERS.

OUR GRADES INVARIABLY THE BEST. OUR PRICES RIGHT.

Write for Catalogue and Estimate, when figuring on your new houses.

A. DIETSCH CO., 617 Sheffield Ave., CHICAGO.

Use our patent Iron Bench Fittings and Roof Supports.

THE JENNINGS IMPROVED IRON GUTTER.

IMPROVED VAPORIZING PANS
For Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY & CO. SUCCESSORS TO JENNINGS BROTHERS,
S. W. Cor. Sixth and Berk Sts., PHILADELPHIA.

VENTILATING APPARATUS.

It's Worth Serious Thought

this showing up of your plants and flowers in the right surroundings—surroundings that set them off to best possible advantage and give to your customer an impression of the thorough way you do things. Then why not have a

U-Bar Show Room Greenhouse

where your plants can have almost an outdoor setting—so light and free from supporting parts are they—the most attractive, cheeriest places imaginable.

Pierson U-Bar Company
DESIGNERS AND BUILDERS,
U-BAR GREENHOUSES,
Metropolitan Building,
4th Avenue & 23rd Street,
NEW YORK.

FOR SALE

GLASS New American 50 sq. ft. to the box. 10x12 single $1 75 per box; 10x12, 12x12 10x15 double, $2 55 per box: 12x14, 12x20. 14x14 14x20, double $2 75 per box; 16x16 16x18 double $3.00 per box; 16x24, double $4 20 per box. Secondhand, 8x12, single, at $1.50 per box.

GARDEN HOSE New, ¾-in, guaranteed 100-lbs pressure, 7½c. per ft; ¾-in. not guaranteed, 4½c. per ft.

HOT-BED SASH New Cypress 3ft x6ft from 75cts. up; glazed, complete, from $1 60 up; Second-hand in good condition, all glass in, at $1.25 and $1.00 each.

PIPE Good serviceable second-hand, with threads; 2-inch, 7 cts.; 1¼-inch, 5½ cts; 1¼-inch 4cts.; 1-inch, 3cts-; 2½-inch 10cts; 3-inch 14cts; 4 inch, 19cts. New 2-inch, Standard full lengths with couplings 8½cts. per ft. Old and new fittings and valves.

Get Our Prices on
Boilers, Pumps, Stillson Wrenches, Stocks and Dies, Pipe Cutters, Pipe Vises, Cypress Material, Etc.

METROPOLITAN MATERIAL CO.
1398-1408 Metropolitan Avenue, BROOKLYN, N.Y.

SPRAGUE, SMITH CO.

JOBBERS AND MANUFACTURERS OF

Window Glass.

GREENHOUSE GLASS A SPECIALTY.

167-169 Randolph St., CHICAGO.

Have you trouble in keeping a n EVEN TEMPERATURE in your greenhouse?

THE MOREHEAD TRAP will remedy all troubles.

MOREHEAD MFG. CO.
1047 Grand River Ave.
DETROIT, - MICH.

Le Journal des Roses.

Organ of the French Rosarians.

Published at Paris. Once a month with colored plates.

Subscription $2.70 per Year Sample Copies Free

ADMINISTRATION DU JOURNAL DES ROSES
a SUISNES, Brie
a Grisy-Suisnes (Seine et M. FRANCE.

L. BAUMANN & CO.,

Importers and Manufacturers of
Florists' Supplies

76-78 Wabash Ave., CHICAGO.

Write for our New Catalogue F. Our prices may interest you.

WINANDY BROS.

Greenhouse Builders,

3730 N. Lincoln Street, Rogers Park Station, CHICAGO.

Write for our estimates.

Always mention the American Florist when you order stock.

THE AMERICAN FLORIST

America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXVII. CHICAGO AND NEW YORK, OCTOBER 13, 1906. No. 958

THE AMERICAN FLORIST

TWENTY-SECOND YEAR.

Copyright 1906, by American Florist Company. Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

324 Dearborn St., Chicago.

Eastern Office: 1133 Broadway, New York.

Subscription, $1 00 a year. To Europe, $2.00. Subscriptions accepted only from the trade.

Volumes half yearly from August 1901

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—WM. F. KASTING, Buffalo, N. Y., president; H. M. ALTICK, Dayton, O., vice-president; W. J STEWART, 11 Hamilton Place, Boston, Mass., secretary; H. M. BEATTY, Pittsburg, Pa., treasurer. Twenty-third annual meeting at Philadelphia, Pa., August, 1907

OFFICERS-ELECT—WM J. STEWART, Boston, Mass., president; JOHN WESTCOTT, Philadelphia, Pa., vice president; P. J. HAUSWIRTH, Auditorium Annex, Chicago, secretary; H. B. BEATTY, Pittsburg, Pa., treasurer.

INTERNATIONAL EXHIBITION—A grand international exhibition will be held with the annual convention at Chicago, November, 1908.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual convention and exhibition at Chicago, November 6-12, 1906. WM. DUCKHAM, Madison, N J., president: DAVID FRASER, Penn and Homewood Ave., Pittsburg, Pa., secretary.

AMERICAN ROSE SOCIETY.

Annual meeting and exhibition at Washington, D. C , March 13 15, 1907. ROBT. SIMPSON, Clifton, N. J., president; BENJAMIN HAMMOND, Fishkill-on-Hudson, N. Y., secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention and exhibition at Toronto, Canada, January, 1907. JOHN H. DUNLOP, Toronto, Canada, president; ALBERT M. HERR, Lancaster, Pa., secretary.

THE AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

Annual convention at Toronto, Ont., 1907. BYRON D. WORTHEN, Manchester, N. H., president; F. L. MULFORD, Harrisburg, Pa., secretary.

AMERICAN PEONY SOCIETY.

Third annual meeting and exhibition at Ithaca, N. Y., 1907. C. W. WARD, Queens, N. Y., president: A. H. FEWKES, Newton Highlands, Mass., secretary.

Contents, page 538.

Advertising Rates, 539.

Index to Advertisers, 564.

Ready Reference Advts., 565.

Florists' Forcing Bulbs and Roots.

Copyright 1906 by the American Florist Company.

V.—LILY OF THE VALLEY.

Time was when the flowers of lily of the valley could only be had from the middle of January until May, when the last picking of the outdoor crop ended the season. Not so now. The cold storage process and improved cultural methods have led to the production of vast numbers of these flowers at any and all times of the year, and the growing and forcing of lily of the valley must now be considered a most important branch of horticultural industry. Since there is a steady demand at all seasons for well-flowered spikes of lily of the valley, the grower who can furnish them at all times, may safely figure on a fair reward for his labors.

The raising of the pips is mostly in the hands of European experts, who have made this their specialty. It takes from three to four years of skillful preparatory culture to produce pips ready for forcing. The yearly crop is harvested, assorted and shipped in October, usually reaching the American florist about the latter part of November. On arrival a resorting may be necessary if the cases contain the product of various fields and localities. This is all the more important if a portion of the consignment is to go into cold storage. The best place for the storing of newly imported lily of the valley pips is a frame outdoors, in which they will fare best until wanted for forcing during early winter, or until transferred to cold storage rooms, placing the latter in separate frames. So also should those intended for earliest forcing be separated from the others.

This obviates the picking out and turning of the entire contents of the frame every time the regular weekly lot for forcing is taken out, an awkward affair when all is pretty well frozen. This condition, however, does not hurt the pips. After they are unpacked and separated into several grades, to stand the bunches in small boxes deep enough and of a convenient size, with moist earth or sand under, between, and in a thin layer over the pips, placing the boxes in frames, is a good plan, better than heeling-in the bunches in the free soil of the frames, because the transfer of the pips from frame to greenhouse, as they are needed every now and then, thus becomes an easy matter.

As to what constitutes a good pip for retarding and that which should be chosen for early forcing, there still exists some uncertainty in the minds of most growers. It may be taken for granted, however, that a pip with a short, evenly rounded, plump crown, usually of a purplish color, and with roots of medium length, coarse and stubby (the kind grown in heavy clay soils) stands long retarding best, showing least shrinkage and loss of vitality. For early forcing the pip with long, tapering crown of a delicate pinkish hue, the roots long, dense and finely fibered, as grown on light, sandy ground, should be selected. It must here be borne in mind that the pips of lily of the valley stored away in cold frames during the winter cannot be regarded as being held back or retarded in their growth. It is only after March or April when real retarding, with the aid of the cold storage process, and in a temperature of 28° takes place. Pips intended for late forcing should therefore be taken out of frames and stored in early March, before growth takes its natural start, or they may be put in cold storage right after being received. To this end the bunches are dipped in water and repacked in boxes with damp moss under and between them. It is best to have these boxes of a size to hold but one tier of bunches each, the pips closely packed and standing upright with the crowns just showing through the moss. The boxes now being nailed up with slats allows of piling them up one above the other to save room. Four ° below freezing point with as little deviation as possible is the right cold storage mark for lily of the valley.

Newly imported pips are unfit for immediate forcing, and for Christmas and up to the new year cold storage pips must be resorted to for the production

of good spikes. After that the new stock will force, especially if it has a good freezing, but it will take nearly four weeks in a high temperature to bring it into bloom. The later in the season the pips are forced the less time and heat it will take, and the better the quality of the flower spikes. In midsummer and fall it remains but little more than two weeks and no extra heat to coax cold storage pips into bloom. Clumps of lily of the valley roots, the best stock for outdoor plantings, should never be subjected to hard forcing, or indeed to any forcing at all, but slowly brought into bloom in a cool house or frame if needed somewhat earlier than May.

The forcing of lily of the valley in a small way as a desirable side line to the florists' main business calls for no specially devised apparatus. The pips may be planted closely massed in some warm bench with heating pipes underneath and cool overhead, or, a much better way, they may be planted in deep trays or boxes, and these placed on a pretty warm bottom until the flowers are well out, when they should be removed to a cool place to harden off before the spikes are cut for use. Sand or sandy soil will do for the pips, but plenty of water is required to keep this constantly moist.

Especially designed houses, or at least benches, for the forcing of lily of the valley, where this has been made a specialty and large quantities have to be forced in regular succession afford the greatest assurance of unvarying success and render this phase of cut flower production an exceedingly simple affair. A bed of clean sand fills a bench well equipped with piping underneath. Valves, properly placed, enable the grower to increase or reduce the temperature at will and ready means for shading and ventilation are provided.

The pips when brought in and frozen, must first be thawed out by dipping in cold water or by standing them on some cool place for several hours. The long roots are then shortened in by clipping away half an inch or so and the pips are planted in the sand, leaving a space of about an inch between the crowns. The roots should be straight up and down, the crowns just touching the sand at the base, but all the roots must be covered. A sprinkling of moss over and between the crowns will aid in holding moisture, but it is not absolutely necessary. The temperature in the sand should be about 80° or a trifle higher, while the house should be held at 55°. For the first two weeks the bed is heavily shaded and the sand kept in a soaked condition by frequent sprinkling. The shading is then gradually removed and when the bells are opening the overhead spraying must cease but the sand must be kept moist right along until the spikes are cut. A cool stand for a day or two will harden off the spikes sufficiently for bunching, packing and shipping. E.

IOWA CITY, IA.—The board of regents has set aside $3,000 to be used in the construction of a greenhouse for the Department of Botany of the Iowa university. It will be 18x60 feet and half of the structure will be used for growing plants and half for a laboratory.

THE CARNATION.

Seasonable Notes.

The carnations in the houses should now be at a stage where they have attained a sturdy growth and are producing flower shoots freely. Within another couple of weeks one should be able to cut a very fair grade of stock. The plants that have been indoors all summer should be yielding quite freely by this time of a very good quality of blooms or else the indoor culture cannot be considered a success. The cold nights of September and early October, followed by bright sunny days are ideal for carnations, and considerable air should be left on at night if the weather permits. By this I do not mean to keep them down to freezing with the ventilators open, but I would rather see the temperature in the houses down to 45° with a little air on than at 50° and everything closed. Of course it will soon be necessary to start a little firing nights or at least be ready to do so should the weather change suddenly, but generally steady, firing is not necessary until about November 1.

Stem rot has been very prevalent in most parts of the country this season, due no doubt to the rather dry and unseasonable weather we experienced in the summer. Take carnations that stood practically still while in the field on account of lack of water, then lift them in late summer and plant them in the houses and apply water rather freely and there is likely to be considerable stem rot. I believe in watering freely in most cases, but of course the condition of the plants must be taken into consideration.

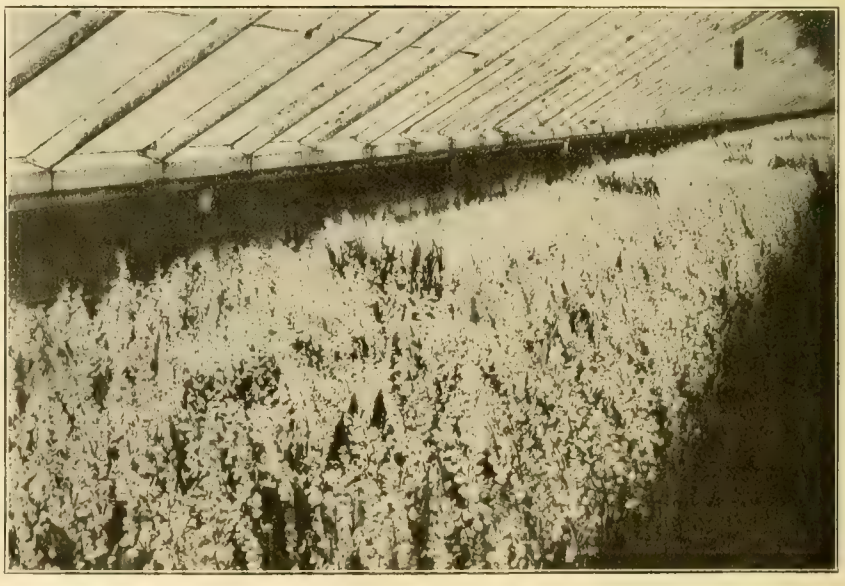
From now on the watering should be done in the forenoon, or by 2 p. m. on bright days. That will give the plants a chance to dry up before evening, a thing most essential in successful carnation culture. The biggest part of the work at present is watering and tying which must be done very effectively and on time. Go over the benches about once a week and attend to the disbudding. Even if there may not be great quantities of buds as yet, it pays to go over them regularly.

This is also the time of the year that one should prepare the soil for next season. If so situated that it is necessary to buy soil it should be hauled in the fall and piled about three feet high. Mix with it about one-fourth cow manure if available. If on the other hand one has the land to take the soil from I advise plowing it in the fall and leaving in the field until ready to haul to the houses next summer. After plowing and cultivating it as often as necessary to get it fine enough add manure according to the richness of the soil. This method is much easier and I consider it better than piling it up at the end of the houses and possibly get it water soaked and sour. It is much better exposed to the frost and air, and can be handled with less than half the labor. J.

Feeding of Carnations.

I believe that there are times when many of us permit our ambition—or shall I call it avarice to acquire the dollar—to overcome our judgment. If in a carnation grower it takes the form of overfeeding the plants, the results will be disastrous. It is true that a carnation soon takes hold of the soil and begins to root, but it should have a good firm hold before any feeding is done. It is supposed that a reasonable amount of old manure was mixed and worked into the soil before it was placed on the benches, and that being the case, it will not be exhausted for some time to come.

I note that of late there has, in some quarters, arisen a sentiment against bone meal, but I have obtained good results by beginning with a fair sprinkling of it. There are several of the commercial fertilizers that are good for carnations, but they should at all times be used sparingly and with caution, particularly in the late fall and early winter the beds should be on the dry



LILY OF THE VALLEY FROM RETARDED ROOTS.—The Garden.

side when bone meal or blood and bone is applied, so as to allow a good watering after. I consider dry fertilizers valueless, and sometimes dangerous to the health of the plants unless well watered. Though admitting that liquid manure shows quick results in bloom, it should certainly not be used until bone or some other building-up food has had time to work.

While mulching in the fall may in some instances bring good results, I do not favor it. At this season it is important that the grower should be able to tell at a glance the condition of his beds. He cannot do so if they are covered by mulch. Furthermore, manure that gives off no stimulant when the beds are watered, as watered they must be, is scarce and not within reach of every grower.

Though it is rather late in the season to write of summer carnations, your correspondent J. writing in the issue of September 22, has so mistaken the meaning of what I previously wrote about summer carnations, that an explanation is necessary. The point of what I did advise was that some early plants (the needs of the grower may govern the number) be brought into bloom in the field, say in July. They will fill a gap until the house plants are flowering. Nobody buys or sells as many flowers in summer as at other seasons, therefore the number of plants may be comparatively small. This has nothing to do with early or late planting for winter flowers, for these plants are not considered as part of the winter crop, though they need not necessarily be lost.

After they are in the field all it costs to grow them is the cultivating and hoeing. In the fall they can be potted in 5-inch pots and sold for house plants. In my locality, and others where I am acquainted, there is always inquiry in the retail stores for such plants.

SPECIALIST.

Diseased Carnations.

ED. AMERICAN FLORIST:—

Under a separate cover I am sending you a sample of my carnations and wish you would examine them and tell me what is the matter with them, giving remedy.

Kentucky. H.

The carnation plants are suffering from two parasites. The long light spots on the leaves and general distortion of the plants result from the attacks of thrips. The dying back of the leaves and the dark spots on them are caused by a fungus, an alternaria. To control the thrips give the house several fumigations of rose leaf extract or some of the nicotine compounds. The fungus trouble may be checked by carefully cutting away all diseased parts, and spraying the plants several times with Bordeaux mixture, the formula for which is given in Farmers' Bulletin 243, U. S. Department of Agriculture.

G.

Experiments With Carnation Soils.

Under the direction of Dr. Galloway, chief of the bureau of plant industry, U. S. Department of Agriculture, Superintendent E. M. Byrnes of the greenhouses is conducting a series of experiments in soils and fertilizers for carnations. A bed, we will say of Enchantress, is divided into sections. In each section there is a different soil, and on each a different fertilizer will be used. Otherwise the plants will receive the same treatment. Experiments are also being made to determine the comparative value of field planting and house culture during the summer. At the close of the season the results of these experiments will be made public and Dr. Galloway and Mr. Byrnes hope to obtain results that will be valuable to the growers of the country. S. E.

BASKET OF LILY OF THE VALLEY.

THE ROSE.

Seasonable Notes.

WATERING.

A great deal of our attention should be given to watering at all seasons, but in the early fall when we are rather uncertain as to what the weather will be for any length of time, it is best to be on the safe side, and not over water. There are times when we can give our plants a good soaking, but it is running somewhat of a risk now. The man that handles the hose should look over the soil carefully and not only examine the surface but be sure to find out how the bottom soil will take the water.

On raised benches this isn't hard to do but the solid beds are more deceptive. I find that a round stick (a piece of broom handle), 18 inches long, sharpened at one end, with notch cut about two inches from the sharpened end made in such a manner that when the stick is shoved into the solid beds the notch will if cut long enough, bring up a portion of the bottom soil for examination. This will hardly disturb the soil or the roots and when one is in doubt, this simple contrivance will be found useful.

As firing has fairly started in most sections, syringing will now have to be done thoroughly, syringing from all sides, and spraying with force well under the foliage. To do this properly one must reach well in through the rows. Red spiders usually make their appearance shortly after firing begins, and it is due to carelessness more than to any other cause that this class of insects gets a foothold. Syringing with pressure, and doing the work thoroughly, is a preventive and cure, all in one.

FUMIGATING.

Fumigate from now on at least once a week and do not use tobacco stems for this purpose. It is not a cheap method by any means for the amount of flowers more or less injured every time tobacco stems are used, will more than pay for the fumigating papers now on the market, or the liquids, any of which are good. I find that tobakine or nikoteen either in the paper or liquid form, if used judiciously, will not injure the flowers or the most tender growth and I consider it far cheaper for this reason, than tobacco stems if I could get the stems for nothing. Five or six sheets of the paper to a house 20 x 100 feet (unless the aphis has overrun things) will be found sufficient, as a weekly application, and if the papers or liquids are used early in the mornings say about 5 a. m. and then followed up with a good syringing, one is rarely troubled with green fly. The night man can attend to this very handily at this season.

DISBUDDING.

The autumn queen, the chrysanthemum, will as usual make the rose take a back seat for a short while, or at least it will have the tendency of keeping the price down on any but the best grades of roses. Therefore I think it best to let only the long stemmed flowers come through the month of October. There are several things to remember. One of them is to have, if possible, the rose cut at its best between October 20 and November 1 if one desires a fair cut for the Christ-

mas holidays. I do not mean by this to crop the roses, but to have them cut fairly heavy at this time. Another thing, all the good wood we can induce our plants to make now will help to pull them through the darker days of midwinter, consequently the short-stemmed flowers should not be allowed to bloom. Rather let this growth build up the plants; try this. E.

Raising New Roses.

In theory it is a simple thing to raise a new rose, a mere matter of placing the pollen from one rose bloom upon the matured stigmas of another; albeit, in actual practice, in the search for pollen, in the timing of the varieties, even in the germination of the seeds, considerable patience and ingenuity is required. But these difficulties are not to be compared to those which arise when we come to consider the question of the mating of varieties, for it is in the faculty of conceiving a particular end, and in discerning how that end may be achieved that the essence of successful rose hybridisation lies. The raiser of new roses must be able to divine qualities more or less latent which, by crossing, may be developed and improved.

When it is recollected how in the past so much has been left to chance, we see how vague and uncertain the indications are on which to depend, and it is then not surprising that so many first crosses give results so much at variance with the raiser's expectations. It is only as he gradually progresses through successive hybridizations that he finds certain tendencies become confirmed, and it is only then that he obtains control and can modify materially these tendencies at his will.

An example of what can be done on these lines will not perhaps be out of place here. When M. Pernet Ducher, now perhaps the supreme exponent of rose hybridization, began his scheme for a new race of hardy yellow roses, he seems to have commenced with several simultaneous crosses of a tentative nature, including the almost daring one with Persian yellow, Soleil d'Or, and, following along these lines, parallel at first, then converging and combining, he evolved that fine race of yellow roses, which possesses the habit of the best hybrid teas with the depths of color of the Austrian briars.

In a wider field the many fine novelties of the Messrs. Dickson, with undoubted signs of descent from previous hybrids, show in their growth and habit characteristics peculiarly their own.

The National Rose Society is to be blamed that in the past it has, in an inordinate desire for conventionality of form, so completely ignored color and perfume, the two most charming attributes of the rose, and it is only in the last two or three years that wiser counsels have to any extent prevailed. Here then is a field which still remains fairly open, and I would suggest to the amateur hybridiser to go back to the species and old-fashioned varieties amongst which to work. Several of the most beautiful kinds of late years, kinds whose greatest charm lies in their distinctness, are first crosses with a species, i. e., those hybrids with Rosa Wichuraiana, whose introduction has added a new feature to our rose gardens; Una, one of a batch of seedlings from the dog rose, crossed with tea roses; the Penzance briars; and the beautiful Anemone, a hybrid of R. sinica and R. indica. All these are evidence of the gains to be in this way obtained. Species which have possibilities are Rosa bracteata, R. rubrifolia, and R. moschata, but there are many others.

The work will be long and tedious, with many failures, for seedlings have a habit of dying off, and it is an unhappy sight to watch the slow decline of a potentially valuable nursling. Yet to create a new rose which is a distinct advance is worth more than all these troubles and pains.

I have a dim recollection from my school-days of some poet of olden time, it was Pindar perhaps, who said, in effect, that a great statue or picture could only be viewed by those on the spot. A rose is not so, for a La France or a Gloire de Dijon may adorn all gardens even unto the uttermost parts of the earth. So that the raiser who perseveres through years of thought and toil will, in some lovely new flower, find his reward, not only in the fruition of his hopes, but also in the delight of his neighbors.

Roses and Dahlias in England.

Just as an excellent rose season is coming to a close a cloud comes over the hearts of rosarians by the death of Harry Turner, head of the firm of Chas. Turner, Slough. He had a wide knowledge of plants and flowers, more especially roses, dahlias and carnations, and was one of the original Victorian medallists in horticulture. To him the famous Crimson Rambler rose owes its popularity. Introduced from Japan about 1889 it was in the hands of Mr. Jenner, of Edinburgh, and Mr. Gilbert, a Lincolnshire nurseryman, but did not make much headway until taken in hand by Mr. Turner who worked up a grand stock and sent it out as Crimson Rambler. Originally it was known as the Engineer, having been the original plant brought from the mikado's kingdom by an engineer and presented to Mr. Jenner. Mr. Turner was of a happy and genial disposition and a capital musician, frequently contributing to the entertainment of his brother horticulturists.

At our exhibitions this year varieties that have been prominent include Bessie Brown, Mildred Grant, White Maman Cochet and Frau Karl Druschki. Dean Hole, less frequently seen, has many admirers. J. B. Clarke, awarded gold medal last year by the National Rose Society, has again been shown in capital form, and is a grand exhibition rose. Killarney is a charming flower captivating hosts of admirers at every show.

Gold medal varieties of this year include Dorothy Page Roberts from Alex. Dickson & Sons, Newtownards and Mrs. Stewart Clarke from Hugh Dickson, Belfast. The former is a hybrid tea of a charming rosy pink hue suffused with apricot and was exhibited in superb form at the National Rose Society's autumn exhibition on September 19. Mrs. Stewart Clarke will also prove a valuable addition to the hybrid teas. It is a cross between Rubens and Tom Wood and the large full flowers are a lovely shade of cerise pink. I recently spent a happy hour among the seedlings in Hugh Dickson's nurseries and noted with interest the systematic manner in which hybridising is carried on. Several good things are on the tapis for introduction in the near future.

Dahlia shows have been quite up to their usual standard and quite a large number of new varieties have received awards and certificates. J. Stredwick & Sons, St. Leonards, have been singularly fortunate in the cactus section and Hobbies, Ltd., Dereham, have also been well in evidence. In show varieties, S. Mortimer, Farnham, maintains a leading position and Claret Cup and Gloria are two of his raising included in this year's list of honors. The peony-flowered varieties, introduced by Copyn & Son, and Gt. Van Waveren and Krupff, both Dutch firms, have been enthusiastically taken up and excellently staged by Hobbies, Ltd., Dereham, Dobbie & Co., Rothesay, and Baker's, Wolverhampton.

At the London Dahlia Union show the Dutch firms named put up an exhibit of splendid blooms showing several new shades of color in the peony-flowered section. I particularly noted the following: Miss Gladys Dawson, yellow shaded salmon; Kaiserin Augusta Victoria, delicate primrose, full flower of good form, long erect stems; King Leopold, yellow, full broad petals, and La Riante, heliotrope shaded pink, free graceful habit. For decorative effects in the garden these varieties may be safely included in every collection. German growers are taking up this class of dahlias in earnest and the introducers exhibited a fine collection at the Berlin dahlia show. Some of our English dahlia fanciers do not take kindly to the new-comers yet, but on the other hand ladies have been captivated by the graceful contour and charming colors and many gardens will be gay with the peony-flowered dahlias next year.

BEE.

The Dahlia.

Until of late dahlias were not very extensively used in their cut state for decorative purposes, because the most beautiful of the type contained but very few varieties that combined in themselves all the essential qualities to commend them to florists for that purpose. But the improvements, noticeable in the cactus type, as shown in the many excellent varieties of one color of recent introduction, have caused them to be used a great deal in decorative work, especially in the making up of set pieces for dinner table decorations. Because there is usually no necessity for the flowers used in these to last longer than one evening they are invariably stemmed.

The cactus type, in its many good varieties, is unrivalled in beauty and when made up well by florists it is as effective as flowers that are scarcer, more expensive and harder to cultivate. Some of the best have not had stems suitable to allow them to be used in

FIVE OF THE BEST DAHLIAS OF RECENT INTRODUCTION.

vases in the way other flowers have been.

For the good of the dahlia in many of the best varieties of recent introduction there is a noticeable improvement in stem. Of the many good varieties of recent introduction in the cactus type I think Santa Rosa is the best in every particular. It is a pure cactus, very large, full and of exceedingly good form and substance and a good strong stem. It is one of the six comprising a set raised by Luther Burbank and sent out this last spring by Vaughan's Seed Store. It has made a very favorable impression wherever seen. I believe it is one of the best red cactus dahlias in cultivation. There is another dahlia, not of the cactus type however, grown this year and raised last year by James Robertson of Newport, R. I. It is a superb single and called Imperialino, under which name it was exhibited and won a silver medal, a deserved award. This variety some what resembles Pink Century, but it is much larger, an average bloom measuring 7½ inches across. It has a strong stem when well grown measuring two feet and over. In color the inside of the petals is a rich dark pink with yellow center shading towards the points to a pale pink. This variety has the other excellent quality of being a good keeper; it will stand well in water for five days.

Single dahlias are very effective for various forms of decoration and when they can be had of good color, strong stem and large bloom they will be utilized to a greater extent than they have been, an eventuality that will help to put dahlias on a good commercial footing, without which they in time would cease to have the interest centered in them necessary to sustain the greatly increased establishments devoted to their cultivation and distribution.

Decorative dahlias, for the reasons before mentioned, were fully as useful to florists as the cactus type, but it is rather singular that growers and raisers of new varieties of dahlias do not pay much attention to the type. I have not seen one new one this year to be compared with Catherine Duer as a red, neither has my eye caught a glimpse of a pink to be compared with Nymphæa. It is true of course that both these varieties are almost as near perfection as is possible to make dahlias of that character, but still that was said of several cactus varieties years ago, while all of a sudden Santa Rosa surpasses them all in some respects.

The season of the year when dahlia flowers are at their best the demand for cut flower material of all kinds is at its lowest ebb. That fact also, in a great measure, prevents them from receiving more consideration from dealers, but when growers come down to a practical working basis with dahlias as they have with other kinds of flowers and grow only such varieties as are suited for the purposes of their business, and grow these in sufficient quantities to meet all possible demands dahlias will find a place for themselves in the commercial world, and a more important place by far than such flowers as asters and antirrhinums, and will equal lilies and other staples.

The accompanying illustration shows five of the best dahlias of recent introduction, four cactus and one single. The cactus varieties are, Santa Rosa, and Phineas, both red, Venus, a very good yellow, and Schneewitchen a very good white, with Imperialino the best by all odds of existing singles in the center. In addition to these the following varieties are also all very good:

CACTUS DAHLIAS RECENTLY INTRODUCED.

Aurora, yellow and rose with white points.
Fairy, a very good white.
Sweet Nell, pink with a pale center.
Thuringia, orange scarlet very large.
Beacon, bright crimson.
Florence M. Stredwick, very fine white.
Northern Star, large, crimson scarlet.
Flamingo, bright scarlet.
Amos Perry, scarlet, one of the best.

H. F. Robertson, true yellow with narrow petals.

Maid of Honor, peach pink.

Mrs. Mawley, yellow, good for late blooming.

Spotless Queen, pure white, very free.

Iceberg, ivory, very pointed petals.

Charm, yellow base, red next, with white tips.

ESTABLISHMENT OF THE COTTAGE GARDENS CO., QUEENS, L. I., N. Y.

New office building and one of the three new greenhouses.—See page 556.

GOOD DECORATIVE DAHLIAS.

Janet Ogilvy, pink and white, the best of recent introduction.

Jeanne Charmet, white with violet red and lilac.

Souv. de Gustave Douzon, orange red.

Mrs. Roosevelt, very large, delicate pink.

M.

O'Mara on Burbank.

A PAMPHLET RECENTLY PUBLISHED.

Following my visit to Santa Rosa, Cal., and a short trip on the Pacific coast, in the summer of 1905, I very briefly alluded to the work of Luther Burbank as a plant breeder before a meeting of the New York Florists' Club, taking the ground that his achievements in that line did not warrant the fulsome and extravagant praises bestowed on him by certain writers in the magazines and current newspapers. The few remarks I made were generally sustained by writers in the horticultural press in the United States and abroad. At the request of many who are interested in the subject I have undertaken to amplify what I said then and incorporate some of what has been written on the subject since that time.

As a fair start, so to speak, be it remembered, that the climatic conditions existing on the Pacific slope are diametrically opposite to those encountered in the east. Many plants which succeed there fail here. A plant that will thrive here is in all likelihood going to thrive there. A notable example is the European grape vine, which does admirably on the Pacific slope and will not thrive here. As a further example I would cite fuchsias and ivy geraniums, they will not flourish here as they do on the Pacific coast.

Practical men have therefore looked for many years with some suspicion on varieties which occur on the Pacific slope, and when they come heralded with all manner of praise—such praise as only the golden west can bestow upon its products—we do not accept them with all the praise that the golden west puts upon them. We go cautiously. We say we will try them here first. Many of the plants that have come out of the golden west have been sad failures in the leaden east, if I may so dub it. I have a very distinct recollection when the Oregon ever-bearing strawberry was launched upon an unsuspecting public. I pricked up my ears and said to the man who urged it upon me, "I am rather inclined to believe that we require the soil and particularly the climate of the Pacific coast to get out of that variety all that you get out of it there." What I feared was the result. The Oregon ever-bearing strawberry was tried extensively in the east and it failed and disappeared completely. Sometime after this the name of Burbank loomed up on the horticultural horizon, and it came to us in a very peculiar way, through a very modest little booklet, his catalogue, modest in appearance but not very modest in its title. It found its way east and it was dubbed "The Creations of Mr. Burbank."

Many are rather inclined to believe that there is only one Creator and once a week at least we bend in reverence to Him. The position which I took in relation to that title when I made my first public utterance upon it has been questioned by very good friends of mine. I still believe that when Luther Burbank assumed the title of a "creator" of new plants, he filed a presumptious claim, and that he has no more right to claim the title of "creator" of new plants than he has to apply it to the bee that flits from flower to flower and carries the pollen; that he has no more right to claim it than the insects, or the winds. However, it gave an index as to what might be expected from such a source, and many were very wary of everything emanating from it. That wariness, up to the present time, has been fully justified by the results. I will not go over the entire list of "creations" but beginning with the potato which Mr. Burbank "created" in Massachusetts, and which was a "volunteer" seedling of the Early Rose not hybridized by him. It was a good potato, but it has outlived its usefulness in the east at all events. It is still, I understand, cultivated in the west; and it is said to be peculiarly adapted to the climate of the Pacific coast, where there is a considerable precipitation of rain.

But there have been other men working on the potato, such as E. L. Coy, who has raised many good potatoes, and I want to say that the Early Rose, which the Burbank was supposed to supersede, is still grown here, while the Burbank has almost disappeared. Mr. Coy also raised the various Hebron varieties, the Beauty of Hebron and so forth. E. F. Carman, late editor of the Rural New Yorker, is also responsible for several excellent varieties of the various Rural potatoes, such as the Rural New Yorker, Rural Blush, Carman Nos. 1, 2, and 3; they are all potatoes which have superseded and outlived the Burbank. So much for that particular part of Mr. Burbank's achievements.

There are three views of Mr. Burbank at the present time; one is the view of the magazine writer, although I can hardly class Mr. Wickson of the University of California in that category, nothithstanding he has written for the Sunset Magazine, contributing splendid articles in relation to Mr. Burbank and his work. These articles were subsequently issued in book form under the title: "Luther Burbank, An Appreciation." Many friends and admirers of Mr. Burbank contend that he is not responsible for the extravagant claims made for him in that publication; but it is well to bear in mind that he helped to circulate it and therefore gave a semblance of sanction to its contents.

When I visited Mr. Burbank's gardens at Santa Rosa, I did not see anything startling in the place (and I want to say it fearlessly and candidly and without prejudice) to warrant the reputation given to Mr. Burbank in the magazines, either by Mr. Wickson or Mr. Harwood. When I returned to New York I was interviewed by the editor of the Florists' Exchange as to my trip. I didn't intend to initiate a controversy, but dropped the remark that I did not see anything on the place to show me that Mr. Burbank was entitled to the reputation he had received from the magazines. That remark called for the reply by Mr. Burpee of Philadelphia, trying to show me the light, but I could not see the light, and at a subseqpent meeting of the New York Florists' Club, I enlarged on the subject, and thus my name became connected with "Burbankitis," as it is called.

Mr. Burbank unquestionably says things very well; at least I think so. He has a happy knack of saying things. A good many of them are somewhat involved, but nevertheless, a thing that one cannot quite understand appeals to us sometimes as being very wise. But he says some things that appear easy to understand, and one of them is this: "Heredity is the sum of all past environment." Now if heredity is the sum of all past environments, it is a foregone conclusion that a plant pro-

duced in the climate of California and raised in that climate will have to dissociate itself from its environment when it is brought east, and therefore it is heavily handicapped before it can achieve distinction in commerce in this section of the country. This is from "An Appreciation," by Mr. Wickson: "For such a gifted seer neither weird altar fires nor incense cloud nor ecstatic state could add to insight. He could hear the 'still small voice' without preparatory earthquake or whirlwind. Like David of old, he could do his work with smooth pebbles from the brook and he cast aside the elaborate armament of his scientific brethren lest it should impede his movements."

There is a desperate attempt being made to make a scientific man out of Mr. Burbank; that is, to put him amongst the scientists, or rather, to make him first among equals, or even to put him above the scientist; in fact above the men whom we florists have come to regard as scientists such as the men in charge of experiment stations and the United States Department of Agriculture.

I want to remark parenthetically, from having read what Mr. Burbank has written, and from Mr. Harwood in the magazines — also from what I have gleaned from his little books of "creations," that I am rather inclined to think his (Mr. Burbank's) science is somewhat of the Mary Baker Eddy or Helen Wilmans order.

The next quotation is: "Plant development is one of the phases of civilization, and it makes new conquests as they are needed in the onward rush of mankind. We are now at the beginning of an epoch of accelerated motion in this direction. Burbank is the prophet of this epoch. Obeying the command of the infinite he is carrying the gates of Gaza. Let not the Delilah of modern organization shear him of his God given strength and make him like other men." Then he reaches out and gets the $100,000.

The other day we had Professor Ostwald of Leipsic lecturing at Columbia university. I do not believe the professor ever met Mr. Burbank, and therefore he must have drawn his inspiration from the published accounts. He believes "that science is able to produce a piece of protoplasm and command it in the first step of evolution; that man has control of vegetable life, taking it out of the slow hands of nature and hastening its evolution from one form to another. The man Burbank, for instance, has so assisted nature in this work that she is almost out of a job. By combination and evolution, he produces new forms at will, and endows them with economic values that nature left undeveloped. We call him a great horticulturist. He is one of the greatest biologists in the use of existing forms to produce others that nature did not make until shown the way." The great poet said: "The art itself is nature."

In Burbank's "creations" for 1901, his foreword in the little booklet reads as follows: "Education and selection are the two greatest forces used in the production of all these fruits and flowers. Not knowing the facts, and because some of them happen to be crossed, people often jump to the conclusion that they are summarily produced by crossing, and with about as little science or ceremony as a wizard would appear to do it with his magic wand."

Cross fertilization is the only process that will produce new varieties, except mutations from buds, these are the only ways in which new varieties are produced. When anyone speaks about "educating" a plant to be a new variety, I think he is mistaken, and that is why I thought that Mr. Burbank's science was of the Mary Baker Eddy or Helen Wilmans order. Others have boldly come out and said that by mental processes exercised on a certain plant they can change its character.

Mr. Burbank says about "educating" a plant: "We do not fill this catalogue with testimonials of the value of these new fruits and flowers, though we have enough to fill one 20 times as large. The best way to judge of the value of any novelty is to look to its source, and the fruits and flowers which has been bred and educated on Burbank's experimental farms and now growing all around the world are the very best testimony which can be given."

Further on in the same book he says: "During the past few years when Shasta daisies were being bred and educated up to their state." I wish to say, and make it as emphatic as possible, that in my opinion no exercise of the human mind by way of suggestive thought directed upon a plant can change one cell or filament of it.

Now, let me say a word about the Shasta daisy. When the magazines and the daily newspapers issued side by side pictures of an ordinary daisy and of a Shasta daisy, my suspicions were allayed at once. I said, "if anybody can produce from an ordinary daisy growing in that climate a flower of this size it will not deteriorate in the east. Therefore, I thought we were safe in taking that. We obtained some Shasta daisy seed. We raised enough plants to fill two frames, and when they bloomed, we sent a man up there with a hoe and he hoed them all out and threw them over the fence, because they were hardly any better than the ordinary field daisy, which grows in the fields of the east. It is only fair to say that I believe the Shasta daisy has been very much improved since that time and is now generally recognized as an acquisition.

On the front of the catalogue for 1901 of the "Creations" of Burbank, there is a picture of a plum tree known as the Burbank plum. The Burbank plum is an importation pure and simple; he got it from Japan and he never produced it at all. In Burbank's catalogue for that year occurs the following, copied from the Santa Rosa Republican. The first line says: "The Creation of the horticultural wizard are so wonderful that even science has to be convinced."

A great many of his friends say that he does not want to be called a wizard and that what is said of him is said without his knowledge and consent, but in this particular matter that somewhat offensive word occurs. The article continues:

An amusing incident in the visit of the Associated Agricultural Colleges and Experiment Stations of America to the Sebastopol grounds give a fair illustration. When the party had traversed but a small portion of the grounds and tested but a few of the fruits therein, one of the professors called a halt, requesting from his brethren their brief attention. Calling upon Mr. Burbank to step forward so that all might the better view him, the producer of the wonders, he delivering the following: Gentlemen, in the presence of you all I wish to make known that one of my objects in coming to this coast was to expose Mr. Burbank's fraud. I have read that man's catalogue annually and I have long considered him about the biggest liar in the United States. I now retract all that and declare that Mr. Burbank has never told one-half the marvels that he might. Gentlemen, hats off to the wizard before you." The motion needed no second.

This needs no comment from me. This I quote from Mr. Harwood. Mr. Burbank is supposed to say:

We say to Miss Golden Cup, or Miss Eschscholtzia as the bon-ton call her.

ESTABLISHMENT OF THE COTTAGE GARDENS CO., QUEENS, L. I., N. Y.

Group of evergreens with tall specimen of Cedrus Atlantica glauca in rear. -See page 556.

this beautiful dress of bright golden hue which you have always worn on all occasions is very becoming to you, and exceedingly appropriate to this land of perpetual sunshine, but, Miss Queen Golden Cup, if you will sometimes adorn yourself with a dress of white, pale cream, pink or crimson, we could love you still better than we do. Now, Miss Eschscholzia, though having her family tastes and characteristics very thoroughly fixed, still belongs to the great papaver race, which has often shown itself willing to adapt itself to the discipline of new conditions, even at first distasteful in the extreme. So, taking Miss Golden Cup into our gardens and constantly making these suggestions to her, she hesitatingly consents to don a dress a shade lighter in color, and then lighter still, until now we have her not only in dresses of gold, but in deepest orange, light and dark shades of cream, purest snowy white, or all these combined, and by constant selection and various educational influence in this line, she will adorn herself in a dress of almost any color which may be desirable and at the same time seems to take the greatest pleasure in improving herself in every grace of form and feature.

This particular flower, as is well known, is the flower of California, which grows all over the fields, making them golden. In Mr. Harwood's book he tells very touchingly of how Mr. Burbank going over a field one evening, noticed a delicate stain of red in one of the flowers. His eagle glance caught it and he saved that particular plant. After four or five years, I have forgotten which, he was able to put upon the market a beautiful crimson Eschscholtzia, which is offered by a Philadelphia seed house this year. That is an achievement in itself without question. But look at another side of it. Over in England 20 years ago Carter, of London, who had been devoting some attention to Miss Eschscholtzia or Golden Cup, produced the variety Mandarin, a distinct break from the yellow, an orange colored one. About seven years ago or thereabouts they produced the Rose Cardinal, a rose colored one. This year they offer the Crimson King. I have not seen the variety, but the color plate, contrasted with Burbank's shows that Carter's variety is by all odds the better of the two. I merely mention that to show that without any great flourish of trumpets, but simply by the ordinary processes of fertilization, selection and propogation, as to this particular flower, others are accomplishing what is said to be a marvellous achievement by Mr. Burbank.

The English people, particularly the Kew authorities, attracted by the noise and furor in the magazines, and seeing that the American people were not sufficiently appreciative of Burbank and that the great catalogue houses were rather chary of offering these wonders, and thinking that perhaps it was the old story of the prophet without honor in his own country, wrote to Burbank and asked him if he would sell or exchange some of these various marvels which he was supposed to have. I quote his letter in reply:

May 8, 1905.

My Dear Sir:—Your esteemed note of April 10 received. I am sorry to say that the press has gotten hold of my work a little too soon. I have a great number of hybrid thornless cacti, but it takes time and thought to select the ones which are to be winners, and I have been obliged to make an invariable rule never to send out anything until it is properly finished.

Then I thought of the Shasta daisies that we hoed out:

The perpetual poppy and fragrant dahlia will probably be sent out by a Chicago firm next season. The pomato will not be ready for a year or two.

This pomato is a cross between the potato and the tomato, they belong to the same family and so will cross; it has been done before; I think it is just 16 years ago last summer since E. S. Carman, in a paper read before the Society of American Florists in Boston, told how he had effected this cross. It was of no particular use. Of course, Mr. Burbank may make use of it, but as an achievement it is nothing.

The coreless apple fraud is none of my work; I must add that it is no doubt worthless; though I have known it for 40 years. I shall be pleased to exchange with you when I have these ready for introduction.

My object in injecting this letter is to show that while these things are probably in existence, yet as far as being of any economic value or being on the market, as most of us were led to believe, they were not available at that particular time.

The cactus is mentioned there. If there is any one plant attributed to Mr. Burbank that has seemed to catch the popular fancy more than another, it is the spineless cactus. I think I have heard more of that than anything else—to think that a man could by manipulation take that miserable thing, that you could not even look at without feeling hurt, and breed all those thorns off of it, so that you might sit down on it if you wanted to. I never crossed the desert myself except on a railroad train, but I can imagine that if a man is crossing the desert and wants to sit down, how handy it would be to have one of these thornless cacti handy; I want to say in all seriousness that so far as I know, the original plant which Burbank had was given to him right straight out of the Department of Agriculture. Harwood in these magazine articles distinctly credits Burbank with having "created" it, and during the months which intervened between the publication of these articles in the Century magazine and the publication of Harwood's book, that statement was never contradicted by Burbank. I realize that he is a very busy man; but it does seem to me that in a matter of that kind somebody representing him at all events should issue a statement saying: "No, I did not 'create' that, but I am breeding from it and I expect to improve it." That's a fair statement. Now, there is hardly a botanical garden in the world that you cannot go in today and find a thornless cactus. In an exhibition that we had down at Herald Square hall, here in New York, given by the American Institute, they exhibited three of these thornless cacti, just to show that such things could be had outside of Santa Rosa. And yet Harwood goes on to say that this is the plant that is going to turn arid deserts into populous plains, and that it will be in a certain sense the vine and fig tree of the desert. Bulletin No. 74, Dept. of Agriculture, is devoted exclusively to cacti as food for stock. It relates in detail how they are utilized at present and states further: "In this connection it may be remarked that were it not for the spines on this class of plants they would probably have been exterminated long ago and there is some doubt whether there would be any use for spineless forms in the future." One poet sung of Mr. Burbank as follows:

He touched the spiculed desert—cacti cursed—
And turned its thorns to figs; its thistles fruit.
He nodded to the daisy half immersed
In dwarfting dust, and lo! a lily mute
Rose from the weeds—a perfume with a flute.

That's the way it affects the poet. They say when a poet gets after a man he is done for. Here is another poem that occurs to me. This man was a florist, and he is supposed to be one of the knockers:

O, Mr. Burbank, won't you try and do some things for me?
A wizard clever as you are can do them easily.
A man who turns a cactus plant into a feather bed
Should have no trouble putting brains into a cabbage head.

One of the first new "creations" in flowers that riveted the attention of the people of the east was the Burbank canna. That was produced probably by the same parentage as a similar variety produced in Italy. Unfortunately for Mr. Burbank, others were working along the same lines as he without his knowledge, and the year that he was ready to send out his canna we received from Europe two varieties, known as the Austria and the Italia. The Italia was such a glorious canna that it eclipsed the Austria completely, and the Austria and the Burbank were identical. It shows how, with the ocean between men working along the same lines, they will arrive at the same results. I could cite dozens of instances where that has occurred. The Austria had the priority of claim, and so it remains today the recognized variety. I cite this as showing what the plain, ordinary hybridizer over in Italy can do as against a wizard.

The White Blackberry. I take issue with Mr. Burbank again in this matter. The magazine writer undoubtedly leads the public to believe that Burbank was the first one to produce white blackberries. He said that it is a fruit which he "created;" he does not say that he had anything at all to work on, while for 60 years or more we have had white blackberries. Fifteen or 20 years ago the trade generally gave up selling them. They had their little day and they drifted out. The old Chrystal White was the last one that we offered, and when Jackson and Perkins, who have a California place, came to us and wanted us to push this "Iceberg" blackberry, we said, "Nonsense, people don't want a white blackberry; they want a black blackberry." But the phenomenal "Iceberg" was issued with a great flourish of triumph—Wickson states that is a feather in the cap of Burbank.

They say that with his psychological instinct he reaches out and gets two species together (the raspberry and blackberry) that had never been gotten together before, and he produced an absolutely new species, and nature was out of a job. This was achieved not only by Mr. Carman, but also by Professor Sanders of Canada about 18 years ago. As to these gentlemen who exploit Burbank in this way, I think if they knew the truth they ought to tell it, and if they do not know they ought to ask somebody who does know.

The Aquilegia Clematidea; that is a spurless aquilegia. Burbank it is alleged bred the spurs off the aquilegia and it is heralded as an achievement, but 200 years ago there were spurless aquilegias. Henderson's Handbook of Plants, shows aquilegias, some with spurs and some without. Now, the beauty of an aquilegia is really its spurs. Without them the flower is characterless, and so the spurless aquilegia gradually drifted out altogether. Nobody cultivated them for years until Burbank produced or found them. There is also a variety in Japan, Aquilegia ecalcarata, which can be bought from European seedmen, which, placed alongside the spurless aquilegia produced by Burbank proves to be exactly the same. The supposition is natural enough in some minds that possibly the seed came from Japan.

I want to call attention to the Bartlett pear plum. In the published matter relating to that it is stated that it is a plum with the flavor of a Bartlett pear, as showing how much can be accomplished by Burbank. It does not say whether that plum is as big or as heavy as a Barlett pear, but by taste it is a pear; and Harwood tells a story of an expert, a man who had been all over the world, he was blindfolded and a plum was handed to him and he was told to bite it and tell what it was; he immediately pronounced it a pear, but it was a plum. It strikes many that the man who doesn't know a plum from a Bartlett pear when he takes it in his hand is not much of an expert. The plumcot we have all heard of, it is a crossing of two species, which may or may not be of value.

Much is made of Mr. Burbank's lilies in magazine articles, but I only want to say that anyone who has ever done anything at all with lilies can get exactly the same results as shown in the published articles on Burbank's achievements in lilies. W. A. Manda is unquestionably a man of some attainments in horticulture, and he told me that he hybridized lilies extensively and got such results. That was confirmed by my own experience of 20 odd years ago.

The article states: "Lily growers from all over the world have stood dazed, intoxicated with the marvels of beauty and the perfumes of this acreage of new lilies in full bloom." Some of the dealers in the east have tried them. I asked one man, and he shook his head sadly and said that he would not try any more of them.

It is told in the magazines how one pleasant evening Burbank was walking along a field by some verbenas and he detected an odor which he traced back to the plant from which it emanated. He saved it and bred scented verbenas. When I was down in the seed fields of C. C. Morse & Co., at Gilroy, at the end of the Santa Clara valley, California, I said to Mr. Landrum, the principal there, as we were driving along: "By the way, have you got any scented verbenas?" He said, "I don't know, I never bothered about them." I said, "In my young days the Sylph type was always fragrant in the whites; that I am certain of." We jumped out of the wagon and we hadn't gone ten feet before I stooped down and picked up a white one. It had fragrance.

One other matter is about the blue rose. Now, if there is one thing that horticulturists have dreamed over for many years it is to obtain a blue rose. There is an axiom that there are three colors not found in varieties of one species, namely, a true blue, a true yellow and a true scarlet. You will get them to a certain extent in the asters, and to a certain extent in hyacinths, but nothing like a true scarlet, a blue or a yellow in varieties of any one species. We have yellow in the rose and a red that is nearly scarlet, so that all we want now to complete the trinity of colors is a blue. In one of these talks Harwood asks Burbank: "Did you ever consider the producing of a blue rose?" "Oh, yes," he said. "Do you think it is possible?" and he said. "Oh, it is a very simple matter, from what I have learned"—or words to that effect. From his investigations he thought it was a very simple matter, but, he said: "My time has been taken up with more important matters, and I have not paid any attention to it." Now, judging from the output that has come from the garden at Santa Rosa, I am certain that Burbank was engaged in matters somewhat trivial, as compared with the production of a blue rose. If it is possible for him to do it, and if he wants to "square" himself with the florists, all he has to do is to produce a good blue rose and they will say: "Come back, everything is forgiven."

"The lost flower—the tragedy in plant life. A tiny pinkish white blossom upon a brilliant green vine. But one morning a workman discovered that in the night every plant had died. The flower could never be recovered because the conditions under which it had been created would never occur again."

There is a prophet; if he had said they never could occur again, it would show that he had some well grounded reason for it in his mind, but he said that they would never occur again, which is a very different thing as I view it. But the description recalls the Dolichos lignosus or Australian pea vine which is one of the most beautiful things in the California country. I think somebody must have been handing out a joke to Mr. Harwood and he didn't know it.

Another thing: "He took a French plum, unknown in America, and grafted it upon a Japanese plum. The graft bore no bloom, but the tree was recreated if you will; its seedlings took on a wholly new life and became hybrids, its vital essence was changed through the medium of the graft."

I do not say that Mr. Burbank is responsible for this except by indirection. It is an old theory since men began to think of the influence of the graft upon the stock. It is useless to thresh it out here and I have no intentions of doing it, but I merely want to show the kind of mental pabulum that has been handed out from Santa Rosa to the body politic and the horticultural public at large.

It would not be fitting, I think, after all I have stated, to close without paying my tribute to Mr. Burbank, as far as I can honestly do it. I believe that Mr. Burbank is a sublime enthusiast. I believe that he has sacrificed much in his efforts to improve plant species. I want to say that I doubt if there is anyone who takes more comfort in the fact that he has been provided with the wherewithal to carry on his researches than I do. All that the professional florist asks is that the truth be known and nothing but the truth, and we say: "We are perfectly satisfied to have you go on as you are going, but don't let matters get out which are discrediting you and us, and which only result eventually in making American horticulture a laughing stock for everyone who stops to think of it." So much has been said about scientists that I am going to close by quoting a letter which I have received on the subject. It is but one of several which I have received from the experiment stations. I also want to say that from men in the trade, both in this country and abroad since I lifted my voice in this matter I have received many complimentary letters, saying to me that they were glad I took the stand which I did and that they coincided with my views; so much has been said about the scientists and the ordinary rag-tag and bobtail of the florists that I will reproduce the following letter without disclosing who was the writer of it:

I have just been reading your article in Florists' Exchange on Burbank, and I want to compliment you on your honest, temperate and straightforward statement of the case. The situation is fast becoming intolerable. The things that are claimed for Burbank are ridiculous—they go beyond hysteria and arrive at lunacy. If any man raises a word of protest the Burbank rooters immediately call him a sore head and say he is jealous of the marvelous achievements of the Master. We poor scientists, in particular (if I may class myself in that category), are discounted in advance. The public is told that the scientists have always been against Burbank and are all jealous of his achievements. The very opposite is true. To my personal knowledge every scientist who has ever said anything of Burbank has gone out of his way to pay him a compliment, and has nearly always rated him higher in print than his actual merits deserve.

But the thing which most makes me want to fight is the vicious and false comparison always made or inferred between Burbank and other plant breeders. From the magazines you would think Burbank has done more than all the rest of the world put together, when the fact is that there are and have been hundreds of men who have done more for the improvement of economic plants than Burbank has ever done, or, in my opinion, ever will do.

Any man who has the backbone to stand up and fight this infernal nonsense deserves public thanks, and for my part I want to assure you that you have struck a chord that will find more than one response among the horticulturists of America.

The fairest test of a man's ability is a comparison with others in the same sphere of work. One of Mr. Burbank's eulogists said: "Luther Burbank has done more for the human race than all other horticulturists." We florists and nurserymen do not endorse that statement, it is derided by every horticultural publication which has spoken on the subject. I even venture to say, from the test of comparison of products, that he is not the superior even of hybridizers in California. The Logan berry, introduced by Judge Logan is better than any of his productions. The Phillips cling peach is of more value to California in my opinion than any fruit which he has produced, and sad to relate, the man who produced it is in the Yuba Co. almshouse, so announced in the Pacific Rural Press of January 6 last.

The contributions to the fruits of the

country by Mr. Burbank are not as valuable for instance as the Concord grape of Epraim W. Bull, the Wealthy apple by Peter M. Gideon, the hybrid grapes by Rogers, Jacob Moore and T. V. Munson, not to mention others. In the realm of flowers he is hopelessly outclassed in this country by John Cook, E. G. Hill, Dr. W. Van Fleet and others in roses; and by Alex. Dickson, Notting, Lambert, Levavasseur and others in Europe. In carnations he is again outclassed, eclipsed I may say, by Fred Dorner, C. W. Ward, Peter Fisher and others. In cannas Antoine Wintzer outclasses him here, and in this connection I must pay a passing tribute to Mons. Crozy who was the originator of the present race of cannas. I also wish to mention the work of Mr. Groff in gladioli, superior to that of Mr. Burbank in its results. As a general improver of flowering plants he is again impressively behind Lemoine of France, whose work in shrubs and soft wooded plants actually borders on the marvelous. In sweet peas Henry Eckford of England stands supreme. But I will not give a catalogue of illustrious men in plant hybridization, sufficient has been said I trust to show the extravagant claims for the superiority of Mr. Burbank in his chosen field. It is further claimed for him as a great achievement in the cause of science that he produces and destroys acres of worthless plants. The really expert plant hybridizer does not do it and would hardly file a claim for fame on that score. Rather by close study of prospective results he aims at improvement by the most direct and least expensive method.

Some Novelties of 1907.

Ernst Benary is offering a number of novelties in seeds for 1907, the most attractive of which on paper are as follows, the descriptions being by the introducer:

ADMIRAL POPPY (Papaver pæoniflorum).—This single peony flowered poppy is of surprising beauty. It is characterized by large round smooth-edged flowers of glistening pure white, with a broad band of brilliant scarlet around the top, occupying a full quarter of the corolla. These two colors form an extremely telling contrast, similar to that seen in the variety Danebrog. Planted in groups the Admiral poppy, which comes nearly true from seed, produces a magnificent effect.

BUTTERFLY RUNNER BEAN (Phaseolus multiflorus Papilio).—Among the climbing plants which deck our arbors and trellises the varieties of the Scarlet Runner bean occupy a leading place, and rightly so as they serve a double purpose, yielding a useful dish for the kitchen and brightening the garden by their gaily hued flowers until far into the autumn. They are seen in the smallest cottage garden, where no room can be spared for anything purely ornamental, and no plant is more widely known and appreciated. This new variety is equal to the old sorts as regards productiveness and quality of fruit, but is quite distinct and far surpasses them in the beauty of its flowers; what chiefly distinguishes the latter is the large size of the prettily waved snowy white wings and the salmon rose of the standard, these two colors making a most agreeable and striking contrast. The vine is also extremely floriferous, its leaves, of a somewhat lighter green than other runners, almost disappearing beneath the clusters of charming flowers which gracefully rise and fall, like butterflies, in the passing breeze. The seed also is distinct, being mottled brown on white ground. In the Butterfly bean we have a beautiful new plant both for the kitchen and pleasure garden, which will certainly soon come into general cultivation and enjoy universal favor.

CHRYSANTHEMUM INODORUM BRIDAL ROBE.—Chrysanthemum inodorum plenissimum is undoubtedly one of our most useful annuals and I am glad to be able

Phaseolus Multiflorus Papilio.
See "Some Novelties of 1907."

to offer a new variety as distinct as it is beautiful. Of very compact and upright habit and not exceeding 10 inches in height, the sturdy plants throw out their finely feathered foliage from the base and deck themselves with a mantle of extra double pure white flowers. With their short closely set petals the latter recall the finest forms of very large flowering double daisies and appear in such number that a large bed in full bloom may well be compared to a drift of snow. Chrysanthemum Bridal Robe, coming almost true from seed, will certainly prove a bedding plant of the very first rank, while also useful for pot culture, and considering the long time the flowers last when cut it is safe to predict for this novelty an uncommonly successful career.

LYCHNIS LAGASCAE ROSEA.—Lychnis or Petrocoptis Lagascæ is one of our most pleasing very early blooming dwarf perennials, for growing only four inches high it forms little bushes with pretty foliage and dotted with conspicuous red flowers, which yield a continuous display of bloom from middle of May until the end of June. Equally charming for pots, edgings, rockeries and carpet bedding, it deserves to be better known. This new variety, which comes quite true from seed, differs from the type by the beautiful bright rose of its flowers and will certainly receive a warm welcome from all lovers of Alpine plants.

PETUNIA KING ALPHONSO.—This fine new petunia of the grandiflora superblissima class, bears very large dark crimson flowers, like those of the variety Prince of Wurttemberg, but the petals of this novelty are boldly waved and frilled to such an extent that the widely-opened brilliant black throat of the flower is often almost entirely concealed. This new hybrid is of a strikingly handsome appearance.

New Sweet Pea Coral Gem.

A sweet pea with 16 to 18 inch stems, and four flowers on a stem and of absolutely new form and color in sweet peas. Such are the claims, backed by expert criticism of the originator, D. V. Tuttle, of Menlo Park, Cal.

The color is best described as a clear light coral self. The shape of the flower is quite unique, the standard being thrown back and curled and rolled unlike any other variety, giving it a most pleasing effect. As a bunching sort for florists it is destined to displace many of the so-called buff and salmon pinks.

Decorated Float at San Antonio, Tex.

The illustration herewith is of a decorated float that appeared in the annual parade of the festival of the battle of flowers in San Antonio, Tex., last spring. Out of over 300 finely decorated vehicles this was the only one using all natural home-grown flowers and grasses. The body of the float is sodded with Bermuda grass and trimmed with daisies, lilies, etc., and laid off with a gravel walk through the center and a small summer house on the rear decorated with natural vines and flowers.

The men shown standing in the illustration, reading from left to right, are: Geo. C. Baker, secretary San Antonio Horticultural Society; S. A. Minear, supervisor public school gardens; E. S. Lewis, landscape gardener.

English Ivy.

The demand for English ivy in all stages of growth is always equal to the supply. There are, year after year, uses appearing for ivy that were not thought of before. On private places it is used in every conceivable way and always seemingly with great satisfaction and a desire to increase its planting.

Florists also now use ivy much more that they did in the past. It is by no means now confined to the making up of funeral wreaths. Its long sprays are used to advantage in winter, especially in the great cities. Even in summer ivy plants, of good growth in small pots, are eagerly sought and very often in some localities enough cannot be had to supply the demand. There is yet time to put in a good supply of cuttings, but do not delay much longer.

M.

KEENE, N. H.—Frank Chapman has purchased of Marcus Ellis, proprietor of the Ellis Bros. greenhouses, a half interest in the business.

PLANT NOTES.

For October.

BOSTON FERNS.—An early potting up of bench-raised nephrolepis is absolutely necessary where stock for a highly discriminating trade is grown. Too often this is delayed until all other seemingly more pressing fall work has been attended to, under the delusive supposition that a prolonged stay in the bench soil will impart additional value, and that a potting up just before the stock is wanted serves every purpose. But Boston ferns, the new and greatly improved varieties also coming under this head, should not be considered marketable stock unless well established in their pots or baskets and thus adequately equipped for a continuous well-being in surroundings and under conditions often exceedingly trying and severely testing the much lauded qualities of Boston ferns as fit subjects for the adornment of parlors, hallways and shop windows. The call for decorative plants will soon be a brisk one and Boston ferns, as heretofore, will claim the larger share of public favor. The main attention of the grower should now be directed to the making of finely balanced specimens out of every potted individual fern. This is easily accomplished by placing them on narrow boards, raised above the bench or on inverted empty pots with ample room between the plants, turning them around from time to time and affording them the fullest light and all the sunshine that comes their way. Cleanliness, moderate ventilation, ample water at the roots and frequent sprinkling overhead are essentials in fern culture.

PRIMULAS.—It is now time to give primulas of the Forbesi and obconica type their last shift. A fresh, light loam, to which one-fourth of leaf mold and one of well decayed manure is added, is good potting soil in their case. Chinese primroses should be in their selling sized pots by this time, 4 or 5 inch, and making rapid headway toward final development. All primulas will now be all the better for being housed. The shading henceforth can be dispensed with and the full light under clear glass will impart the degree of firmness, durability and bright appearance to foliage and flowers, so desirable in primulas. An over-watering from now on, if the pots in transplanting were well provided with draining material, need hardly be feared. A thorough drying out of vigorous, well-established plants on airy, bright days is more apt to turn complete success into partial or entire failure. Primula obconica and P. Forbesi finish up in finer style being fed with weak liquid fertilizer once or twice a week after buds have begun to form. A daily spraying of the foliage is of greatest benefit to all sorts of primulas, if this can be done without wetting the fully expanded flowers. A too crowded stand on the bench or a stand under large, spreading plants as a foreground or undergrowth to effective plant-displays, for which ferns would prove more serviceable, considerably lowers the market value of primulas. Although they are not high-priced stock, they well deserve good treatment, since they are fast sellers and great favorites with all classes of people, and excellent house-plants, free of disease and insects and most useful in many ways.

DECORATED FLOAT AT SAN ANTONIO, TEX.

DAHLIAS.—The growing of dahlias as a midsummer cut flower crop has not been altogether disappointing to venturesome retail florists. In some localities dahlia flowers of the finer types have taken exceedingly well. If grown for this purpose, especially if for the wholesale market, none other but varieties of recognized merit, unquestionable keeping qualities and reasonable productiveness should be chosen. There is no doubt but what such sorts to a grower with good garden land in plenty and in close touch with a large distributing center, would prove a highly profitable crop. Of late, dahlias are much favored by buyers of bedding material in the spring and as their culture presents no difficulties and rapid propagation by division of the roots and by cuttings as well as by seeds is easily effected, nothing should stand in the way of being amply provided with good stock in this line for a coming season's trade. From any collection of varieties, planted out last spring for trial, only the very best should be saved. The roots of these alone will furnish sufficient material for the propagation of a vast amount of stock if properly wintered. After the first frosts have touched the foliage, tender tips and belated buds of dahlias, it is time to cut the upper growth down to within a few inches from the ground, to carefully dig up the clump of roots, freeing them of all adhering soil and laying them out to dry in some sheltered and shaded spot of the garden. After this the roots should be packed in sawdust, coal-ashes or sifted earth in half-barrels or boxes, and be placed where neither frost, heat nor too great a degree of moisture will ruin them.

GLADIOLUS.—Nearly all kinds of gladioli, light shades and scarlet selfs in particular, have sold well all this summer, the early house-grown spikes having proved especially profitable stock. There is little use, however, of growing inferior sorts. It is the great im-

NEW SWEET PEA CORAL GEM.

provement, strikingly manifest in the newer varieties, which has won a place and due recognition for its value for the gladiolus on the cut flower market. Of exceptionally fine sorts there are now so many, that a mistake in making up a fine assortment for even the most extensive culture is a rare occurrence. The corms of gladioli should not be lifted from the ground until fairly well matured, which is indicated by the drying off and yellowing of the remaining foliage. They are wintered much in the same way as advised for dahlias.

PEONIES.—October is the best month in all the year for the making of new peony plantations. The roots, being very sappy and brittle when lifted, break easily. Care should therefore be had in digging them up, in dividing and handling, while packing them for shipment or in replanting them to new fields. Any fair sized piece of root or division with a good, plump crown will in the course of three or four years grow into a pretty large and free flowering plant. The roots should be planted from three to four feet apart, thus allowing room for future spread. The crown of the root, when planting is finished, should be three inches or a trifle more below the level of the ground. It is best to select for peonies a freely exposed, well drained and fairly rich piece of land. Thorough-going preparation of the ground with spade and rake, plow and harrow and a good dressing of manure, before planting, pays well in the end.

CANNAS.—It is most gratifying to anyone interested in floriculture, to note the unvarying success with which cannas are grown in public and private grounds, how rapidly inferior varieties are giving way for sorts of acknowledged merit, and how fast a better understanding as to their culture is gaining pace everywhere. Cannas, thanks to their excellent attributes as the most effective of bedding and border plants, whether grown in isolated groups or in solid masses, now hold a prominent place among stock, raised and handled for a constantly growing plant trade by commercial florists. It is safe to say, they are also one of the most profitable items in the list of bedding plants, and no one now-a-days, in any way connected with this great country's plant business, can afford to ignore or underestimate the importance of cannas. Since people have learned to distinguish good from less valuable sorts, even calling for the better varieties by their correct names, the grower must make it a point to carry none but the latter. In most cases he will do better by procuring his stock in early spring from reputable wholesale houses and growing it into salable size by the time cannas are bedded out, than to try providing ample stock in all the finest varieties by saving the roots of a limited number of plants grown in the out-of-the-way spots of a small garden. But the roots of any sort worth saving, should be lifted and stored under the bench of a cool greenhouse. This should be done before severe frosts have destroyed the entire top growth, an often practiced custom, which invariably results in the partial or entire loss of the roots during the winter.

BULBS.—The planting of hardy bulbs for outdoor effects in early spring, is now in order. Nearly all the varieties of Holland grown bulbs are suitable for the purpose and never fail to give entire satisfaction. It is needless here to hold out detailed instruction to professional florists as to how bulbs of this class should be planted; it is a phase of gardening well understood and not affording much opportunity for the making of blunders. For the lay gardener and amateur explicit information and helpful hints are held forth in all bulb catalogues. But it seems needful and opportune, as it has every year at this time, to remind florist and amateur, that those pleasing displays and grand effects, so much admired every spring, can only be called forth by planting the bulbs in the fall. Any time before a total freezing up of the ground sets a stop to out door operations, hardy bulbs may be planted, but the sooner this is done now the more agreeable will be the task.

VINCAS.—Plants of Vinca major, green, variegated and mottled, are now looked upon as almost indispensable for all sorts of plant arrangements, where trailing and drooping growth must form a pleasing fore ground. They become scarce every spring before the season is half way near its end. It is now time to lift and house what stock of this kind still remains in the open field. Although not so easily harmed by occasional light frosts, it is better to remove it to safe quarters, where the plants, divided or made up into properly shaped specimens, will soon fill their pots with active new roots.

PANSIES.—Good pansy plants for early spring sales may still be secured by sowing the seeds now. Sowing them in trays or boxes and keeping these in any cool greenhouse the little seedlings will be ready for a transplanting into other boxes by the middle or end of December, and by March 1 they will be nice little bushes, ready to go into frames, where they will grow into sturdy, flowering plants in good season. It has frequently been the case that pansies, so raised, finally turned out to be better stock for early planting than that obtained by very early sowings and by a wintering in unsafe or unfavorable quarters. Very early started pansies, intended for winter flowering and cutting, should now be transferred from outdoor frames to a well lighted and amply ventilated greenhouse. They do best in narrow benches with little or no bottom heat and in the richest of soil.

SWEET PEAS.—Benches, on which the taller varieties of chrysanthemums were grown, soon to be cleared off and ready for other crops, are usually just right for the requirements of sweet peas under in-door culture. The soil also, by a liberal addition and intermixture of good old manure and some lime, is readily converted into a compost, in which sweet peas will grow and bloom luxuriantly. Pot-grown peas, raised for this purpose and sown some time ago, should go into the bench as soon as this is cleared and the soil made ready. But sweet-peas, sown at once into the prepared soil of the vacated bench, will not be much later in coming into bloom than those raised in pots and transplanted into the bench. Both will be in full bearing in February and March.

E.

JAPANESE MAPLES TWO YEARS AFTER PLANTING.—See page 554.

St. Louis Moves Ahead.

We take pleasure herewith in reproducing a picture of the home of the Koenigs, where was formed October 5 a society for the promotion of horticulture and floriculture. Otto Koenig's enthusiasm in the business is well known to the trade generally and it is largely due to his efforts that this new association, which has for its object the holding of exhibitions and floricultural meetings, was formed. The veteran, F. C. Weber, issued a call for the meeting and a permanent organization was formed by the election of the following officers: Harry Young, president; Alex. Waldbart, vice-president; Fred C. Weber, treasurer; Otto G. Koenig, secretary. In addition to the foregoing there were present C. C. Saunders, Theo. Miller, F. H. Meinhardt, Geo. B. Windler, Emil Schray and John L. Koenig. Geo. Waldbart was unavoidably absent owing to duties at his place of business. Chas.

Crucknell, the guest of Alex. Waldbart, contributed much interesting information regarding horticultural societies of other cities. Much interesting discussion followed and several committees were instructed to report at the next meeting, when the by-laws and the name of the society will be adopted.

JAPANESE MAPLES FIVE YEARS AFTER PLANTING.

Illinois State Florists' Association.

A meeting of the executive board of the Illinois State Florists' Association was held in the rooms of the State Board of Agriculture in the Dome building, Springfield, October 4, Vice-President Hey presiding. It was decided to accept the invitation of the Bloomington Florists' Club, and the date for the next annual meeting and exhibition was fixed for the second Tuesday in February, 1907, at Bloomington. A committee consisting of A. C. Brown, J. C. Vaughan and A. C. Beal was appointed to draft a suitable resolution emphasizing the importance and magnitude of the floral industry and urging the State Board of Agriculture to provide a suitable place to hold the exhibitions at the state fairs.

A committee composed of J. F. Ammann, H. W. Buckbee, Peter Reinberg, P. J. Hauswirth and A. T. Hey was appointed to confer with R. O'Dwyer, superintendent of floriculture, and to appear before the State Board of Agriculture at its meeting on the second Tuesday in January in order to urge the erection of a suitable building for floricultural exhibits, the revision of the premium list and the appointment of a practical florist to have supervision of all the floricultural exhibits at the state fairs. It was the sense of the assembly that the president call a meeting of the executive board and other members of the association during the Chicago flower show to further state fair matters and especially to decide upon and organize a movement for securing an appropriation from the state for carrying on experimental work in floriculture.

President Ammann was called home before the close of the meeting by the death of a relative. In addition to those already mentioned herein, the following were present: Ed. F. Winterson, and August Poehlmann and wife, Chicago; C. A. Kuehn and A. Meyer, St. Louis, Mo.; W. S. Hizer, J. J. Soper and wife, and H. W. Buckbee, Rockford; Frank Funk and A. R. Knowles, Bloomington; Geo. A. Kuhl, Pekin; F. Schaffer, Pana; G. Gross, Quincy; John Bauscher, Freeport; J. Heinl, Jacksonville; Fritz Bahr, Highland Park; A. C. Canfield, Geo. W. Jack, Carl Rauth and David Wirth, Springfield.

Washington.

THE MARKET.

Though the week's business was hampered by dark and gloomy weather, on all sides were seen evidence of renewed activity and preparation to meet the demands of the opening season. While an occasional lot of good stock comes in, roses are thus far generally of poor quality. A more general sprinkling of early chrysanthemums is to be seen in the stores, but few, if any, locally grown stock is yet in. The carnation, it is hoped, will show in good form by the time chrysanthemums have had their day. There is yet an enormous quantity of dahlias and cosmos on the market, both, it must be acknowledged, adding greatly to the attractiveness of the stores.

FLORISTS' CLUB'S DAHLIA SHOW.

The Florists' Club's dahlia show was held on the afternoon and evening of October 2. An invitation had been extended to the public to attend and from 2 o'clock until 7 p. m., there were many visitors. The noteworthy features were the exhibits of R. Vincent, Jr., & Son, Whitemarsh, Md., and W. R. Gray, Oakton, Fairfax Co., Va.

The exhibit of the Vincents alone covered two long tables, and a fancier who would not find pleasure in comparing the many fine varieties must be considered an impossibility. Their Souvenir de Gustave Douzon, was in size a revelation to many visitors who have not, in these later years, closely followed the developments of dahlia culture. The color of this magnificent bloom is bright crimson.

Jeanne Charmet was another pink that showed to good advantage. Prof. Mansfield, variegated pink and white, was another attraction.

W. R. Gray made a very fine exhibit. To the members of the craft who visited the show, his was probably the greatest surprise, as his name was not familiar to many. It appears that he is one of the men who have been conducting a business quietly, but with results. His Mrs. Roosevelt (blush pink), Cuban, Giant (crimson), and Grand Duke Alexis (white with rose tinge), were such blooms as are but rarely seen in this city, though a number of our retailers are always on the lookout for the best.

THE HOME OF THE KOENIGS.

Where new St. Louis society was formed.

Dr. W. Warrington Evans, of Ivandale, Loudoun Co., Va., exhibited good blooms, this being the only private estate represented.

Certificates of merit were awarded both the Vincents and Dr. Evans' exhibit received honorable mention.

COMMISSION HOUSE PROJECTED.

On the night of October 5 there was a well attended meeting of growers and retailers at the store of Mayberry & Hoover, at which the preliminary steps were taken to open in this city a wholesale flower market and commission house. Prominent among those present were Z. D. Blackistone, David Grillbortzer, W. W. Kimmell, Henry Pfister, C. E. Brooks, J. A. Philipps, Mr. Mayberry and Mr. Hoover. It was decided to incorporate with a capital stock of $25,000, one-half of which has already been subscribed. It was further decided that the holding of any one person be limited to $3,000 worth of stock. Another meeting to perfect the organization will be held this week. This movement should have the sympathy and support of every grower and retailer in the District of Columbia.

AT THE GOVERNMENT GREENHOUSES.

The greenhouses of the U. S. Propagating Gardens are now showing fine stocks. Geo. H. Brown, the veteran landscape gardener and superintendent and his head gardener, Mr. Heuloch, keep well up with and in some lines ahead of the times. They have gathered about them a corps of growers whose work is up to the high standard that is set for such an institution. Of these, the work of Chas. McCauley and Alexander Young in palms, ferns and crotons; W. A. Furmage in roses and chrysanthemums, and Mr. Dawson in carnations, is deserving of more than passing mention. A finer and healthier lot of Enchantress, Lawson, Flamingo and Lady Bountiful carnations cannot be found in the country. The crotons are a noted feature of the gardens, being for variety and beauty unexcelled. The earlier varieties of chrysanthemums are now showing color and in a few weeks the annual show will be held.

Few people realize the scope and extent of the work of the Department of Agriculture. Beginning with the soil, its experts will go to any state and analyze it, thus putting the farmers and gardeners on the right track. Its inspection of foodstuffs is another boon.

On October 1 W. A. Furmage, rose and chrysanthemum grower at the Propagating Gardens, fell from a stepladder while staking chrysanthemums and had three ribs broken.

A number of plants of the California carnation, Hannah Hobart, may be seen in the Department of Agriculture greenhouses. It is a fine flower and should be a success.

One of Kroeschell Bros.' big boilers has just been installed at the U. S. Propagating Gardens.

E. M. Byrnes, of the bureau of plant industry, is well pleased with the Lieut. Peary carnation.

Superintendent W. R. Smith, of the Botanical Gardens, was a visitor to the dahlia show.

NOTES.

J. H. Small & Sons executed a fine decoration for a fashionable wedding at St. John's church, October 3. White roses, lilies and chrysanthemums were largely used. The bridal bouquet was of lily of the valley with corsage of orange blossoms. The seven bridesmaids carried bouquets of pink roses.

The awards committee of the Florists' Club, in the school garden contest for the medals offered by the club, made the following awards: Thos. P. Morgan school, gold medal; Foree school, silver medal. Certificates were awarded to the Garnet and Dennison schools.

Z. D. Blackistone and wife are receiving the congratulations of their friends over the advent of a fine daughter in their family circle. Incidentally, Mr. Blackistone has a fine brand of cigars on tap.

W. W. Kimmell has secured and is now pushing work on an extensive job of landscape work at the new residence of the papal delegate.

A new plate glass show window, 7x20 feet, recently put in the I street side of Geo. C. Shaffer's store, adds greatly to its attractiveness.

S. E.

Boston.

TRADE EXCELLENT.

After a period of three solid months of dull, lifeless trading, which has been the source of much anxiety to the wholesalers and retailers, business has picked up wonderfully during the last fortnight and now it may be said without question or doubt that the cut flower season has opened. So far the season appears to be three weeks backward but strenuous efforts are being made to catch up with usual conditions. But few chrysanthemums that really deserve the name have yet been seen. They are eagerly sought and bring fabulous prices considering the quality of the goods. The general line of roses is rapidly improving and now we have some excellent Chatenay, Richmond, Carnot and some very fair Bridesmaid. The sale of American Beauty has fallen off considerably owing to the improvement of other varieties and to the small supply being received. Carnations are very slow in improving, but the supply at present is below the demand and prices have taken quite a jump. Violets, mostly single, are very cheap owing to the large crops being cut and the light demand. Considering the season they are very good. Double varieties are yet scarce and what are on the market are very poor. Lily of the valley in tremendous quantities, is being consumed, being received principally from out-of-town growers. A variety of orchids, including cattleyas, cypripediums and oncidiums, are seen in most of the first class stores and there is a steady demand for gardenias.

NOTES.

Henry M. Robinson has leased the establishment formerly occupied by Welch Bros. at 15 Province street, directly opposite their present headquarters. It is the intention of this enterprising firm to enter the wholesale commission field, to which branch the new store will be devoted. They will continue in the hardy and dry supply business and with their new departure will be established one of the largest firms in the country.

With an extraordinarily large number of October weddings this fall the season is opening auspiciously. The Thos. F. Galvin corporation, the first three days of the week had eight extensive decorations and many more are already booked for later in the month.

Mann Bros., who have had a corner on the Easter lily market all summer and who still maintain control, bid fair to assume the same position on the output of chrysanthemums. They are cutting white and yellow, but do not attempt to fill all orders.

Welch Bros. are now established in their new quarters and are kept busy explaining the details of their plant to an army of visitors. The thoroughness of each idea and the success with which it is meeting is the wonder of all.

Many of the boys took a day off this week to attend the annual Brockton fair. Among the liveliest parties was that chaperoned by Chas. Evans and Joseph Free, who journeyed for the day in a large touring car.

Henry A. Stevens is among the few cutting good carnations. Among the many different varieties being produced are several new seedlings which he expects will be very popular.

The Exeter Rose Conservatories are again in the market with a stock of excellent Chatenay roses to the growing of which their whole establishment is devoted.

The first pansies to arrive are being brought in by W. C. Ward, the pansy king, who for years has specialized in these little favorites.

Visitors: J. J. Karins, of H. A. Dreer's, Philadelphia; Joseph Heacock, Wyncote, Pa.

B.

Baltimore.

STOCK SCARCE.

We are having autumnal weather, with cold rains and one or two wild wind storms, but at this writing there has been no frost. Business would have been brisk, but for lack of material. Outdoor stock is abundant, but good flowers grown under glass have been lamentably deficient. American Beauty roses are especially short this season in this market. Some growers who have heretofore had one or more houses devoted to this variety are giving them over to other sorts which promise larger profits. Whether it is the soil, the seasons, or a falling off in the vigor of the plants, weakened by long series of propagations, the money returns from this rose are steadily lessening with many growers. Occasionally, however, one hears that some grower has no interruption in the success of their culture.

NOTES.

This week witnessed a general shake-up, "for the good of the service" in the ranks of the district park superintendents. The general superintendent, Wm. S. Manning, was authorized by the park board to take such action as the efficiency of the work demanded, and, though it is intimated there will be kicks and protests, the change will stand as ordered. No charges are made against the official, but it was believed that a general movement of all the pieces on the board was the only plan to get some of the employes out of the ruts into which they had fallen. It was also al-

leged that some of them had been so long in their respective places that they had formed relations and connections which work to the detriment of the parks, and that such relations could best be severed by a general transfer. Following are the changes effected: Chas. L. Seybold goes from Patterson park to Carroll; James Boone, from Druid Hill to Clifton; Frederick Wessler from Carroll park to Druid Hill, and N. F. Flitton from Clifton to Patterson park. Besides the larger parks these men have charge also of the squares and public grounds in territory somewhat adjacent.

The park board has determined to have semi-annual flower shows in the several parks where there are conservatories, beginning with the fall of 1907. This step was warmly urged by several members of the board and General Superintendent Manning approved. He said the extra cost to the parks would be small and that such exhibitions would attract thousands of persons. He will recommend a rule prohibiting the giving away of any flowers grown for the exhibition and that all plants not needed for future use shall be thrown on the dump. The chrysanthemum will, naturally be the main feature of the autumn displays. The city has bought eight acres of land to be added to the new Wyman park, the cost being about $10,000.

D. Blackistone, formerly with his brother, Z. D. Blackistone, of Washington, D. C., has taken charge of the Fernery on N. Charles street. During the past week he has had an interesting and quite large dahlia show in the store, which was inspected by many visitors.

The Johns Hopkins hospital has adopted plans for and will proceed to build a greenhouse to supply plants and flowers for that great institution.

S. B.

St. Louis.

MARKET ACTIVE.

The weather the past week has been very changeable turning from showery and warm to cold and clear. The market, owing to the Veiled Prophets' ball the early part of the week was strong. It fell off again Thursday and Friday. Saturday trade again opened lively and prices stiffened. Carnations have been very scarce. Quite a few American Beauty roses arrive badly crippled. Violets are still very short in the stem and very poor flowers. A few cool days and nights will increase the supply and improve the quality. Quite a demand is expected next week as horse show week brings quite a few out-of-town visitors and society is busy entertaining them. Everyone is now looking for chrysanthemums. At all the wholesale houses a more general run of trade is on and a good season is looked forward to.

NOTES.

F. J. Foster will be a very prominent exhibitor at the horse show. He has 16 entries. Among his fine string of horses are Right O' Way, Foxy Quiller, Chestnut Beauty, Bobby F., saddle pony Get-a-Way and Silver King. Fred is so busy with the horse show that he has somewhat neglected his chronic catarrh cure although he was around the wholesale houses Sunday with a fresh supply which he distributed gratuitously at intervals.

Geo. H. Angermueller was a visitor to the state fair at Springfield, Ill. He visited A. C. Brown's, A. C. Canfield's and Miss Belle Miller's greenhouses. He was highly pleased with the outlook for a good supply of flowers this winter from this point.

It is rumored that Adolph Brix, the enterprising north end florist, will purchase the greenhouses of T. Klockenkemper. Mr. Brix has built up a very large trade and is a hustler. He is ably assisted by his wife and sons.

Andrew Meyer, Sr., has returned from the state fair at Springfield, Ill. Mr. Meyer was judge of cut flowers and floral exhibits. He was well treated and expressed himself as well pleased with what he saw.

The statue of St. Louis at Forest park was unveiled by Miss Wells, the mayor's daughter, a large crowd being present as the mayor had issued a proclamation for a general holiday.

Paul Berkowitz, of H. Bayersdorfer & Co. of Philadelphia, is with us. Mr. Berkowitz is very enthusiastic concerning trade in general, the best in years he says.

Henry Ostertag, of the firm of Ostertag Bros., has had his hands full the last few days superintending private decorations for horse show week.

Arnold Scheidegger is growing some fine violets and carnations. He brought into the market last year some of the finest California violets.

M. Butterfield & Son, of Farmington, Mo., was here hunting a commission house to handle his very extensive crop of Ben Davis apples.

The Eggeling Floral Co. has its houses well stocked with carnations and chrysanthemums which will be on hand next month.

Geo. Waldbart has his windows very beautifully decorated with the choicest of cut flowers, palms and blooming plants.

The Bentzen Floral Co. and Grimm & Gorley had their wagons decorated at the civic parade last Thursday.

W. E. Smith & Co. handled the past week a large quantity of palms and Boston ferns.

The Ellison Floral Co. has several weddings and receptions booked for next month.

C. Young & Sons Co. have their windows specially decorated for horse show week.

Miss Theresa Badaracco has a very artistic show window for horse show week.

W. F.

Kansas City.

STOCK IMPROVING.

Trade in general the past week has been very good. It is safe to assert that the busy season for the florist has begun in earnest. Retailers report a splendid business, especially in the decorating line. Social events become more numerous with the return of society folks. An unusually large number of weddings have occurred during the week which served to keep the decorators busy. The opening of the new Shubert theater made many nice orders for American Beauty roses and other choice stock. Among the wholesalers there is much evidence of improvement in both condition of stock and of trade. American Beauty grown in this locality is poor. Some very fine blooms, however, may be seen, but these are shipped in. Bride, Bridesmaid, Carnot and Golden Gate are much better. Other varieties are improving nicely as the weather becomes cooler. Carnations are still scarce and poor in quality. Dahlias are of fair quality and a trifle scarce. Some good lilies are in evidence. Chrysanthemums have not yet put in their appearance. Most of the growers say they are from 10 days to two weeks late this season. Smilax and asparagus are more plentiful than for some time.

Miss Moseley, of Kansas City, Kans., reports a brisk trade in that part of the city, due to the many visitors attending the carnival there.

Bernard Soden is suffering a severe attack of typhoid fever. The trade extends best wishes and hopes for a speedy recovery.

Edward Ellsworth received a large shipment of palms and foliage plants last week.

Edward C. Stammerjohn, from Boonville, Mo., was among recent callers.

K. C.

OBITUARY.

Henry Cowan.

Henry Cowan, for a number of years a faithful and popular employe at the U. S. Propagating Gardens, Washington, D. C., died September 27 of acute indigestion after an illness of but two days.

Deceased was a native of Washington. He is survived by a wife and three daughters who have the heartfelt sympathy of many friends in this sudden bereavement. His remains were followed to their final resting place in the Congressional cemetery by many of his former associates in the service of the government, who also showed their sympathy by fine floral tributes.

S. E.

Patrick J. Donahue.

Patrick James Donahue, aged about 70, well known as a practical landscape gardener, dropped dead October 2 with apoplexy as he was about to arise from bed. He had been in as good health as usual, and his sudden death was a great shock to many friends. For 15 years Mr. Donahue had been superintendent of the Morris K. Jessup place, Belvoir Terrace, in Lenox, Mass. He came to the place from Newport to do some landscape gardening and Mr. Jessup prevailed upon him with a large salary to stay. He had previously been employed by James Gordon Bennett and John Jacob Astor.

In Lenox and Newport he was considered an authority in gardening by the owners and superintendents of large estates, and was frequently consulted. He was born in Ireland, but came to America as a young man of 21. His wife died five years ago. He leaves two daughters, Miss Katheryn, of Lenox, and Miss Mary, of New York, and a son John, of Lenox; also a brother, John of New York. He was a member of the Knights of Columbus and St. Anne's church.

THE AMERICAN FLORIST

TWENTY-SECOND YEAR.

Subscription, $1.00 a year. To Europe, $2.00
Subscriptions accepted only from those in the trade.

Advertisements, on all except cover pages, 10 Cents a Line Agate: $1 00 per inch. Cash with Order.

No Special Position Guaranteed.

Discounts are allowed **only on consecutive insertions,** as follows—6 times, 5 per cent: 13 times, 10 per cent: 26 times, 20 per cent: 52 times, 30 per cent.

Space on front pages and back cover page sold only on yearly contract at $1.00 per inch, net.

The AMERICAN FLORIST Advertising Department is for florists seedsmen and nurserymen and dealers in wares pertaining to those lines only.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Monday to secure insertion in the issue of the same week. Address

AMERICAN FLORIST CO., Chicago.

When sending us change of address always send the old address at the same time.

We do not assume any responsibility for the opinions of correspondents.

THIS ISSUE 56 PAGES WITH COVER.

CONTENTS.

Florists' forcing bulbs and roots..523
—Lily of the valley (illus.).....523
The carnation—Seasonable notes..524
—Feeding of carnations.....524
—Diseased carnations.....525
—Experiments with carnation soils..525
The rose—Seasonable notes.....526
—Raising new roses.....526
Roses and dahlias in England.....526
The dahlia (illus.).....526
O'Mara on Burbank.....528
Some novelties of 1907 (illus.).....532
New sweet pea Coral Gem (illus.)..532
Decorated float at San Antonio (illus.)532
English Ivy 532
Plant notes—Foc October.....533
St. Louis moves ahead (illus.).....534
Illinois State Florists' Association..535
Washington 535
Boston 536
Baltimore 536
St. Louis 537
Kansas City.....537
Obituary—Henry Cowan.....537
—Patrick J. Donahue 537
Some scarce items in New England..538
A Kansas invitation.....538
National Council of Horticulture....538
Chrysanthemum Society of America.538
Coming exhibitions.....538
Meetings next week.....539
Chicago 542
Ogden, Utah.....542
Philadelphia 544
Pittsburg 544
New York.....546
Horticultural Society of New York..546
The seed trade 550
—The making of catalogues.....550
—The house of Thorburn (illus.)..552
The nursery trade.....554
—Japanese maples (illus.).....554
Cincinnati 554
With the growers.....556
—Cottage Gardens Co., Queens, N. Y. (illus.) 556
New Orleans 556
Syracuse, N. Y.....558
Indianapolis 560
Wakefield, Kan. 560
Toronto 562
Montreal 562

THE date of Easter is March 31.

HE was an ancient Chinese philosopher who said: "Without going you can get nowhere."

WE are in receipt of Part 2 of the Transactions of the Massachusetts Horticultural Society for the year 1905, containing reports of the annual meeting and the reports of the officers and committees.

THE date on the yellow address label on your copy of THE AMERICAN FLORIST will show when your subscription expires. Please renew subscription promptly on expiration to make certain of receiving your copy of each issue.

WE learn from the general press that a syndicate is arranging to purchase 15,000 acres of land near Marysville, Cal., to be colonized by families from southern France, who will engage in the production of flowers for market, using the unsalable stock in the manufacture of perfumery.

HERINGTON, KAN., furnishes an excellent opening for a good florist. This town has a population of 4,000 and is within a radius of 25 miles of 15 or 20 other towns of from 100 to 4,000 inhabitants. The Missouri Pacific and Rock Island railroads both pass through here, the latter having three lines, one to Fort Worth, Tex., another to El Paso, Tex., and a third to Salina and Kansas City, Kans. Prominent townsmen will donate a site for a good greenhouse plant.

Some Scarce Items in New England.

Specimen kentias in good condition.
Specimens of cycas in good condition.
Box trees in large pyramid form.
Norway maple in large specimen sizes.
Cut-leaved beeches.
Privet from three to four feet high.
English ivy three to four feet high in 4-inch pots.
Arbor-vitæ in large sizes.

BUYER.

A Kansas Invitation.

The secretary of the Topeka (Kans.) Commercial club will, it is said, issue an invitation to the S. A. F. to hold its convention in Topeka during the summer of 1911, the year of the semi-centennial. The Topeka Capital, in a recent issue, is very enthusiastic in the matter and I presume that even now the Commercial club is figuring on the amount of revenue it will derive from the fattened hotel tariff. Some of these little towns have very distorted ideas of their importance.

OLDTIME CONVENTIONITE.

National Council of Horticulture.

Arrangements have been made for a meeting of the National Council of Horticulture at Chicago, November 9, at 10 o'clock a. m. Delegates are requested to meet at the flower store of P. J. Hauswirth, 227 Michigan avenue, and from there will go to a room in the Auditorium Annex where the sessions will be held.

Details for the press bureau work for the coming year will be considered and acted upon, together with the matter of holding a national congress of horticulture and horticultural exhibition at the Jamestown exposition in 1907. It is expected that a report will be made by Robert Craig, who is making a personal visit to the Jamestown exposition, for the purpose of investigating the practicability of holding a congress and exhibition. Other matters which should be brought before the congress will be considered at this time.

Anyone having thoughts or suggestions for the consideration of the Council is asked to correspond with the secretary, or if possible, to be present at the meeting of the council and present his views.

H. C. IRISH, Sec.

Chrysanthemum Society of America.

EXAMINING COMMITTEES.

President Duckham has announced the committees to examine seedlings and sports on dates as follows: October 6, 13, 20, 27 and November 3, 10, 17 and 24, 1906. Exhibits to receive attention from the committees must in all cases be prepaid to destination and the entry fee of $2 should be forwarded to the secretary not later than Tuesday of the week preceding examination, or may accompany the blooms. Special attention is called to the rule requiring that sports to receive a certificate must pass three committees.

New York, Eugene Dailledouze, chairman, 55 and 57 West Twenty-sixth street, New York, Thos. W. Head and Wm. Turner.

Philadelphia, Pa., A. B. Cartledge, chairman, 1514 Chestnut street, John Westcott and Wm. K. Harris.

Boston, Mass., E. A. Wood, chairman, Wm. Nicholson and James Wheeler. Ship flowers to Boston Flower Market, care of John Walsh.

Cincinnati, O., R. Witterstaetter, chairman, James Allen and Wm. Jackson. Ship flowers to Jabez Elliott Flower Market, care of janitor.

Chicago, J. S. Wilson, chairman, J. B. Deamud and Geo. Wienhoeber. Ship flowers care of J. B. Deamud, 51 Wabash avenue.

OFFICIAL JUDGING SCALES.

The official scales of the society are as follows:

FOR COMMERCIAL PURPOSES.

Color	20
Form	15
Fullness	10
Stem	15
Foliage	15
Substance	15
Size	10
Total	100

FOR EXHIBITION PURPOSES.

Color	10
Stem	5
Foliage	5
Fullness	15
Form	15
Depth	15
Size	35
Total	100

DAVID FRASER, Sec'y.

Coming Exhibitions.

(Secretaries are requested to supply any omissions from this list.)

BOSTON, MASS., November 2-4, 1906.—Chrysanthemum exhibition Massachusetts Horticultural Society. Address Wm. P. Rich, Horticultural hall, 300 Massachusetts avenue, Boston, Mass.

CHICAGO, November 6-12, 1906.—Annual exhibition Horticultural Society of Chicago. Address Willis N. Rudd, Blue Island, Ill.

DENISON, TEX., November 8-10, 1906.—Annual flower show, Denison Civic Improvement League. Address T. W. Larkin, Denison, Tex.

LENOX, MASS., October 24-25, 1906.—Chrysanthemum exhibition, Lenox Horticultural Society. Address Geo. Foulsham, Lenox, Mass.

LOS ANGELES, CAL., October 31.—November 3, 1906.—Autumn exhibition Southern California Horticultural Society. Address Ernest Braunton, 115½ N. Broadway, Los Angeles, Cal.

MADISON, N. J., November 1-2, 1906.—Eleventh annual flower show Morris County Gardeners' and Florists' Society. Address E. Reagan, Box 315, Morristown, N. J.

NEW HAVEN, CONN., November 6-8, 1906.—Annual exhibition New Haven County Horticultural Society. Address Thos. Pettit, 90 Prospect street, New Haven, Conn.

ORANGE, N. J., November 5-6, 1906.—Twelfth annual flower show New Jersey Floricultural Society. Address Joseph B. Davis, Orange, N. J.

PROVIDENCE, R. I., November 9-10, 1906.—Chrysanthemum and carnation exhibition Rhode Island Horticultural Society. Address C. W. Smith, 27-29 Exchange street, Providence, R. I.

RED BANK, N. J., October 31-November 1, 1906.—Ninth annual exhibition Monmouth County Horticultural Society. Address H. A. Kettel, Red Bank, N. J.

SANTA BARBARA, CAL., October 17-18, 1906.—Chrysanthemum exhibition Santa Barbara County Horticultural Society. Address Thos. Poole, Santa Barbara, Cal.

TARRYTOWN, N. Y., October 30-November 1, 1906.—Eighth annual exhibition Tarrytown Horticultural Society. Address E. W. Neubrand, Tarrytown, N. Y.

TORONTO, ONT., November 6-10, 1906.—Annual Ontario Horticultural exhibition. Address H. B. Cowan, Parliament Buildings, Toronto, Ont.

WORCESTER, MASS., November 8, 1906.—Chrysanthemum exhibition Worcester County Horticultural Society. Address Adin A. Hixon, Horticultural hall, 18 Front street, Worcester, Mass.

Meetings Next Week.

Boston, Mass.—Gardeners' and Florists' Club of Boston, Horticultural Hall, October 16.

Dayton, O.—Dayton Florists' Club, 112 South Main street, October 15.

Des Moines, Ia.—Des Moines Florists' Club, Iowa Seed Co.'s store, October 16, at 8 p. m.

Detroit, Mich.—Detroit Florists' Club, 40 Miami avenue, October 17, at 8 p. m.

Hamilton, Ont.—Hamilton Gardeners' and Florists' Club, office of member, October 16, at 8 p. m.

Lake Geneva, Wis.—Lake Geneva Gardeners' and Foremen's Association, News building, October 20, at 8 p. m.

Montreal, Que.—Montreal Gardeners' and Florists' Club, Alexandria rooms, 2204 St. Catherine street, October 22.

New Orleans, La.—Gardeners' Mutual Protective Association, 144 Exchange alley, October 14, at 2 p. m.

New Orleans, La.—New Orleans Horticultural Society, 125 St. Charles street, October 18, at 8 p. m.

Newport, R. I.—Newport Horticultural Society, October 17.

Pasadena, Cal.—Pasadena Gardeners' Association, G. A. R. hall, East Colorado street, October 19, at 8 p. m.

Providence, R. I.—Florists' and Gardeners' Club of Rhode Island, 96 Westminster street, October 15, at 8 p. m.

Richmond, Ind.—Richmond Florists' Club, greenhouses of member, October 15.

Salt Lake City, Utah.—Salt Lake Florists' Club, Huddart Floral Co., 114 East Second South street, October 16.

San Francisco, Cal.—Pacific Coast Horticultural Society, October 20.

Scranton, Pa.—Scranton Florists' Club, Guernsey building, October 19, at 7:30 p. m.

Seattle, Wash.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street, October 16.

St. Louis, Mo.—Plant and Cut Flower Growers' Association, October 17, at 3 p. m.

Toronto, Ont.—Toronto Gardeners' and Florists' Association, St. George's hall, Elm street, October 16, at 8 p. m.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

Cash with Adv.

Plant Advs. NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1906 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—As fireman: experience and reference. Address JOHN WATTS, Newtown, Pa.

Situation Wanted—By an all-around, single florist: commercial or private place. Address Key 803, care American Florist.

Situation Wanted—By a first-class rose grower: best references; commercial preferred. Address CRITCHISON, Davisville, Ontario, Canada.

Situation Wanted—By first-class orchid grower and gardener, fully up-to-date; best of references. Address Key 788, care American Florist.

Situation Wanted—By steady, first-class grower and propagator of roses, 'mums and general stock; good references; 14 years' experience. State wages. Address Key 802, care American Florist.

Situation Wanted—As foreman by first-class grower of roses, carnations, chrysanthemums and general stock; roses a specialty; age 37, single; A1 references; only first-class place wanted. Address Key 800, care American Florist.

Situation Wanted—By a practical florist, 21 years' experience in every line of the florist business; cut flowers, tropical plants and orchids a specialty; foreman's job in commercial or private place preferred. Good wages wanted. Address Key 806, care American Florist.

Situation Wanted—A Swede desires a situation as second gardener. Has been two or three years in this country and has papers showing he has passed his examinations in Sweden; married, but has children. Address D. F. KINGSBRIDGE, New York City.

Help Wanted—General greenhouse man. Address RATON GREENHOUSE, Raton, N. M.

Help Wanted—A good all-around grower for 'mums, violets, carnations, roses, etc. Address Key 792, care American Florist.

Help Wanted—Young man from 16 to 20 years of age, to learn the florist business. Apply to JOHN L. WYLAND, De Haven, Pa.

Help Wanted—A night fireman; soft coal; $12.00 per week; references required. Address JOHN RECK & SON, Bridgeport, Conn.

Help Wanted—Man for potting and general greenhouse work; one helper for rose section. Address J. F. WILCOX, Council Bluffs Ia.

Help Wanted—Two first-class florists and salesmen. Must be good in making floral designs. J. SEULBERGER, 414 14th St., Oakland, Cal.

Help Wanted—A young man for greenhouse work with about one year's experience. Inquire or address STORE, 113 S. Main St., Butler, Pa.

Help Wanted—Young man to be assistant in greenhouses. Address MINIBORYA FARM, H. A. Higgason, Mgr., Box 904, Richmond, Va.

Help Wanted—A good grower of general stock on place of 15,000 feet of glass. State wages wanted and experience. Must come at once. Address BOX 57, Junction City, Kas.

Help Wanted—A rose grower to take charge of a section; must be sober and reliable; state references and wages. Address C. C. POLLWORTH CO., Milwaukee, Wis.

Help Wanted—A seedsman who is capable of taking full and complete charge of a retail and mail order department in a well established seed house. Key 799, care American Florist.

Help Wanted—Single man to take charge of small greenhouse near Chicago. Must understand general stock, consisting of pot and bedding plants. State age and salary. Address Key 804, care American Florist.

Help Wanted—Single man for private place; middle aged; must understand how to grow roses, etc. Will pay from $50.00 to $55.00; good place for the right man; no drinking man need apply. C. UFFLER, Govanstown, Baltimore, Md.

Wanted—The address of J. H. Stroer by J. H. Reeling, R. F. D. No. 3, Memphis, Tenn.

For Sale—2,000 feet of good, heavy, 4-inch boiler flues at 8 cents per foot. Address JOSEPH LABO, Joliet, Ill.

For Sale—Established retail florists' business in Cleveland, Ohio. For particulars address Key 801, care American Florist.

For Sale—A1 down-town retail store for sale; established 10 years; bargain. Enquire VAUGHAN & SPERRY, 60 Wabash Ave., Chicago.

For Sale—Nine greenhouses, dwelling house and barn, 3½ acres of ground. For particulars address P. O. Box 109, Newtown, Bucks Co., Pa.

For Sale—A thriving florists' business in Illinois; 20,000 ft. of glass, all planted with roses, carnations, 'mums and general stock in fine condition; modern 10-room dwelling, all built within the last 10 years; last year's sales, $6,000.00. Cause for selling, other business. Address Key 805, care American Florist.

For Sale—All the glass 10x12 double strength A, on five houses, each 20 ft. by 115 ft., for $500 as it stands. Will include sash bars and doors. BRANT & NOE FLORAL CO., W. Peterson and N. 48th Aves., Chicago.

For Sale—Worthington duplex steam pump, capacity 30-40 gal. per minute in good condition, $45.00; No. 1 receiver and fittings for pump, good as new $50.00. Dean pump for hand or steam, almost new, $20.00; 6-inch pressure regulator, used two seasons, $50.00; 2½-inch pressure regulator, $18.00. Carnation supports $15.00 per 1000; $125.00 for 10,000. JAMES W. DUNFORD, Clayton, Mo.

FOR SALE.

Des Moines, Iowa, wholesale and retail greenhouse establishment, 29,000 feet of glass, three acres of ground, well located, all in good order, with good wholesale and retail trade. Price, about $8,400; terms reasonable.

VAUGHAN'S SEED STORE
CHICAGO.

BOILERS.

One 80 H. P. return tubular, one 32 H. P. upright tubular, for sale at buyer's price. Must be moved at once. Address

1416 Washington Ave.,
PHILADELPHIA.

GLASS FOR SALE.

We have for sale a quantity of A. and B. double thick, Pennsylvania hand made, tank glass, all of which runs exceptionally uniform in quality and thickness. Terms cash. Inquiries solicited.

King Construction Co.
NORTH TONAWANDA, N. Y.

Seed Business for Sale.

Established Over Twenty Years.

Located in large and prosperous city. Doing a business of about **$100,000.00 per year.** Splendid mail order business. Large counter and market gardener's trade. Best proposition in the United States to anyone desirous of engaging in the seed trade. Present owners wish to go exclusively in the wholesale growing business. This offer is unequaled, as the house is thoroughly equipped in all departments with the best of fixtures, office furniture, cleaners, electrotypes, etc, and can be puachased on favorable terms and at a cost many thousands of dollars less than the actual value. Address

Key 798, care American Florist.

Make Your Want Known

If you want to get rid of it. A want advertisement in the

AMERICAN FLORIST

will do what you want. Try it now. Back of every ad is a real want, so it pays to answer them. : : : : :

Great Chicago Flower Show

—TO BE HELD IN CONNECTION WITH THE—

Annual Convention and Exhibition

—OF THE—

Chrysanthemum Society of America

At the Coliseum, November 6-12, 1906.

FOR REVISED PREMIUM LIST

Address WILLIS N. RUDD, Secretary,

First National Bank Building, - - CHICAGO.

ARAUCARIA EXCELSA.

As usual at this season of the year we are again carrying an immense stock of Araucarias which we offer at very favorable prices. These plants travel safely by freight to reasonable distances at this season of the year. Why not lay in a sufficient supply now to carry your sales through the holidays, saving heavy transportation charges later on.

ARAUCARIA EXCELSA.

5-inch pots, 8 to 10 inches high, 3 tiers.....$ .65 each
6-inch pots, 12 to 14 inches high, 3 to 4 tiers..... .75 each
6-inch pots, 14 to 16 inches high, 4 tiers..... 1.00 each
6-inch pots, 16 to 18 inches high, 4 tiers..... 1.25 each
7-inch pots, 20 to 22 inches high, 5 tiers..... 1.50 each

ARAUCARIA EXCELSA GLAUCA.

5-inch pots, 8 inches high, 2 tiers.....$ .75 each
6-inch pots, 13 to 15 inches high, 3 tiers..... 1.25 each
7-inch pots, 22 to 24 inches high, 4 to 5 tiers..... 2.00 each

ARAUCARIA ROBUSTA COMPACTA.

6-inch pots, 10 inches high, 2 to 3 tiers.....$1.25 each
6-inch pots, 12 inches high, 3 tiers..... 1.50 each

For a complete list of seasonable Plants, Bulbs an see our current Wholesale List.

HENRY A. DREER, 714 Chestnut St., PHILADELPHIA, PA.

GRAFTED ROSES. EXTRA FINE PLANTS FREE FROM MILDEW.

Killarney, 3½-in. pots.....15c
Liberty, Kaiserin, Maid, 3½-in. pots, $12.00 per 100

ON OWN ROOTS.

Richmond, Perle, 3-in pots.....$6.00 per 100
Bride, Maid, Golden Gate, Kaiserin, Liberty, Wootton, 3-in. pots.....$4.00 per 100

J. L. DILLON, Bloomsburg, Pa.

Muskogee Carnation Co.

Get your flowers cut fresh from greenhouse.
AMERICAN BEAUTY, BRIDE, MAID, RICHMOND and CARNATIONS.
All fancy varieties; also surplus stock of **Bride** and **Maid**, 4-inch pots. Fine plants.

MUSKOGEE, IND. TER.

The Regan Printing House

LARGE RUNS OF
CATALOGUES —OUR— SPECIALTY
WRITE FOR FIGURES.
83-91 Plymouth Place, CHICAGO.

GET NEW CUSTOMERS By placing your specialties before the purchasing florists of the entire country by advertising in

Send Copy Now. THE AMERICAN FLORIST.

CARNATION PLANTS, EXTRA FINE, FIELD-GROWN.

No better plants anywhere: Joost, Wolcott, Pond Prosperity and 100 White Lawson; per 100, $5.00
Terms cash. M. J. SCHAAF, Dansville, N. Y

CHRYSANTHEMUMS For October.

We have 40,000 plants of 'Mums, mostly grown to single stems, ready as follows:

WHITE 'MUMS, flowers 5 to 6 inches in diameter.....**$2.50** to **$3.00** per doz.
YELLOW 'MUMS, flowers 5 to 6 inches in diameter..... **2.00** to **3.00** per doz.
PINK 'MUMS, flowers 4 to 6 inches in diameter, ready by October 15..... **2.00** to **3.00** per doz.
These are long stems and perfect foliage. No small 'Mums ready before the 20th.

OUR AMERICAN BEAUTIES

are the finest arriving on this market and we average a cut of 3,000 per day. All lengths of stems.

ON ROSES

we can give you extra choice Kaiserin, Carnot, Richmond, Liberty, Maid, Bride, La Detroit, Chatenay, Liberty, Perle.

CARNATIONS

are improving every day and the cut is steadily increasing. We have the new varieties and the best of the standard fancies. Our Carnations are the finest in the market.

GREENS

We have two large houses of **Asparagus** now in full crop. One large house of **Smilax** containing 12,000 plants. Four houses of **Sprengeri** and two houses of **Adiantum.** These are all in the best possible condition. With shipping facilities the best in the West, we feel confident you can be better satisfied by buying direct of a grower such as ourselves. No charge for boxes or packing on any order of $2.00 or more.

Bassett & Washburn

Greenhouses, Hinsdale, Ill. L. D. Phone Central 1457 **Office and Store, 76 Wabash Ave., Chicago**

Peter Reinberg

51 WABASH AVE., CHICAGO.

The Largest Range of Glass in the World is now in full crop and we are ready to take the very best care of all orders intrusted to us

CURRENT PRICE LIST

AMERICAN BEAUTIES—	
Long stem	$3.00 to $4.00 per doz.
30-inch stems	2.50 per doz.
24-inch stems	2.00 per doz
18-inch stems	1.50 per doz.
12-inch stems	1.00 per doz.
Short stems	.75 per doz.
Mrs. Marshall Field	$8.00 to $12.00 per 100
" " " short	5.00 to 6.00 per 100
Richmond	3.00 to 6.00 per 100
Liberty	3.00 to 6.00 per 100
Chatenay	$3.00 to $6.00 per 100
Bridesmaid	3.00 to 6.00 per 100
Bride	3.00 to 6.00 per 100
Perle	3.00 to 5.00 per 100
Sunrise	3.00 to 6.00 per 100
Uncle John	3.00 to 6.00 per 100
Golden Gate	3.00 to 6.00 per 100
ROSES, our selection,	**$3.00 per 100**
CARNATIONS	1.00 to 1.50 per 100

SEND US YOUR ORDERS—Get the freshest stock at the lowest market rates and the assurance of supplies such as can only come from **1,200,000** feet of modern glass.

PRIMROSES.

Obconica Alba and Rosea, $2.00 per 100; $18.00 per 1000.

ASPARAGUS.

	Per 100
Plumosus Nanus, 2¼-in. pots, $18.00 per 1000	$2.00
VINCA VAR., from field	5.00
CANNAS, 5 varieties, field-grown clumps	10 00
PANSY PLANTS, large flowering, $3.00 per 1000;	.50

—— CASH ——

JOS. H. CUNNINGHAM, Delaware, O.

Please mention the American Florist when writing

CHRYSANTHEMUMS.

STOCK PLANTS.

	Per doz.		Per doz.
Monrovia	$ .75	Clementine Touset	$1.00
Rosiere	1.50	October Frost	1.50

ELI CROSS, Grand Rapids, Mich.

...CARNATIONS...

Bargain rates to sell before freezing. 3,000 Norway, $3.00 per 100: Lawson and Boston Market, $4.50. Very strong and fine.

Smilax, extra good, 3-in., $3.00; 2¼-in., $2.00.
Asparagus Plumosus, 2¼-in., $3.00; 3-in., $5.00.
Boston Ferns, 5-in. $25.00. Specimens, 75c and $1.00.
ROSES, strong, 3-in., Bride and Maid $4; 2¼-in., $2.

W. H. GULLETT & SONS, Lincoln, Ill.

Up to Date Directory

Giving all the Country's

Florists
Seedsmen
Nurserymen

PRICE $2.00.

Chicago.

BUSINESS FAIR.

Trade as a whole was not so good as last week. Monday found the market with an abundance of most all lines of stock, particularly roses, and a not any too good demand. Prices, however, remained firm and there was but little room for complaint. Stock of all kinds improved wonderfully under the influence of an icy wave which swept the city late last week, continuing four or five days without cessation. It had the effect of placing certain stock at a premium. Carnations shortened up considerably and the quality improved a great deal. Some very fine Boston Market, Enchantress and Lawson are now obtainable but not in sufficient quantities to damage prices. On the contrary good material brings the best of figures. Roses are in plentiful supply. American Beauty, Liberty, Richmond, Chatenay, Kaiserin and other standard varieties can be had in any quantity at normal prices. The stock is excellent as a whole. Bride roses are much better than they have been for some time; the same is true of Bridesmaid, although there is still room for improvement in this variety. Easter lilies have created much comment this week by their scarcity and astonishing demand. Very few could be had for less than $3.00 per dozen and in some cases they were sold at even better figures. Chrysanthemums are beginning to arrive more freely. The earlier varieties are comparatively plentiful, yellow predominating, and some heavy cuts are promised very soon. The quality is first class in every respect.

NOTES.

Residents of Hyde Park, at the present writing, may have some misgivings as to the benefits, moral, financial and otherwise, to be derived from the existence of the South Shore country club. A. Lange, however, could hardly be criticised for holding opposite opinions as it was the result of a fine decorating order which came his way, last week. There were 71 tables used at a banquet given by this club which evidently spared no expense to make the spread a gorgeous one. No less than 1,000 strings of Asparagus plumosus, 10 cases of wild smilax, 1,000 American Beauty, 1,000 Richmond roses and over 400 Easter lilies and snap dragons were used. Mr. Lange had the order for the decorations at the Sir Thomas Lipton banquet this week. One of the incidents of the affair was the presence of a small crocodile, measuring not over two feet, in a box of wild smilax.

A meeting of about 20 Chicago wholesale employes, under the leadership of H. W. Rogers and J. P. Risch, was held in the latter's office, October 5, for the purpose of discussing plans for a dance to be given Hallowe'en night. The popular Columbia hall, Clark street and North avenue, famed for its spacious floor and general facilities for such affairs, was decided upon as the place and $100 was quickly subscribed to defray the expenses of renting, printing, etc. It is aimed to make this a record-breaking event and assure each and all an enjoyable evening.

The Central Floral Co. furnished the decorations for the Lipton banquet held at the Auditorium annex, October 6. A great variety of roses including American Beauty, Killarney, Richmond, and Chatenay and cactus dahlias, ferns, etc., were used. One of the features of the floral decorations was a mammoth shamrock which was hung above Sir Thomas' head.

That most wholesale florists are born sports would seem evident from a trip through the market, the afternoon of October 9. This was the first day of the base-ball fight and a large percentage of florists left their businesses in charge of clerks to witness the pennant struggle regardless of the icy weather. It is rumored that some heavy betting took place.

A wagon of the Schiller estate, while traveling rapidly down West Madison street the evening of October 7, struck a small boy who was crossing the street and injured him fatally. The lad was picked up and hurried to a near-by hospital but died the following morning. Young Schiller, who was driving at the time was exonerated by the coroner's jury.

Vaughan & Sperry are building a cold storage room at the north end of their quarters in the Flower Growers' Market for the preservation of chrysanthemums and other stock this winter. They will have ample space for leucothoe sprays, smilax and stock of that nature and will keep a supply always on hand.

Glass jobbers held a meeting in this city October 4 and advanced prices somewhat owing to the fact that an association is being formed by the manufacturers which, if perfected, will keep prices higher than those that have prevailed the past year.

P. J. Hauswirth has moved his store to 13 Congress street, during the erection of the new addition to the Auditorium annex.

Louis Ostendorp reports a good business at his new Douglas boulevard establisment. He has just installed a $400 heating system.

Miss Luffmann, well known to S. A. F. members, spent a few days in the city last week.

Visitors: Max Wilhelm, of the Barteldes Seed Co., Lawrence, Kans.; Fred Schmeling, Milwaukee, Wis.; C. A. Urbach, Toronto, Can.; F. K. Kramer, Washington, D. C.; J. A. Peterson, Cincinnati, O.; Paul Berkowitz, Philadelphia, Pa.; Mr. Kezer, Rockford, Ill., and Mr. Smith, of the Joliet Carnation Co., Joliet, Ill.

Ogden, Utah.

Trade has been unusually good this year. Increasing business has compelled several of the growers here to build additions to their plants. Among those who have extended their plants are F. J. Hendershot & Son, W. L. Porter and the Ogden Floral Co. J. J. Newman has started with 1,000 feet of glass.

The city parks have been much improved and the city hall square has been remodeled with an addition of 2½ acres. This is now being put into condition for the planting of trees, shrubs, etc. Last spring an improvement league was formed, with J. S. Lewis as president, for the improvement of homes, streets and parks. Already the movement has borne good results.

W. T. S.

WIETOR BROS.,

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.

51 Wabash Ave., CHICAGO.

Please mention the American Florist when writing.

The Geo. Wittbold Co.

1657-1659 Buckingham Place, CHICAGO.

The only retail florist in Chicago who grows his own cut flowers.

FUNERAL WORK ORDERS, OUR SPECIALTY.

Please mention the American Florist when writing.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO,

Wholesale Dealers and Growers of **Cut Flowers**

GREENHOUSES: HINSDALE, ILL.

Please mention the American Florist when writing.

Chas. W. McKellar

51 Wabash Ave., CHICAGO.

ORCHIDS

A Specialty.

Fancy Stock in **VIOLETS, VALLEY, ROSES, BEAUTIES, CARNATIONS** and a full line of all **Cut-Flowers. Greens, Wire-Work** and **FLORISTS' SUPPLIES.**

Send for Complete Catalogue.

20 YEARS' EXPERIENCE

in the Cut Flower business with liberal supplies of **'MUMS, ROSES, CARNATIONS, VIOLETS, GREENS, ETC.,** backed up with **GOOD INTENTIONS** should make worth your while a dependance upon us for at least a part of your needs.

WE PAY EXPRESS CHARGES BOTH WAYS if you don't like stock.

You will find us "on deck" from 7 A. M. to 6 P. M. daily and up to 12 Noon, Sunday. Write, telephone or telegraph.

HEADQUARTERS FOR WILD SMILAX.

E. F. WINTERSON CO., 45-47-49 Wabash Ave., Chicago.

Long Distance Phone 6004 Central.

IF YOU WANT THE BEST of **CUT FLOWERS** and **FLORISTS' SUPPLIES**

send **US** your orders. **WE** have **POSITIVELY** the **FINEST 'MUMS, ROSES, CARNATIONS,** etc. in the market. Try **"THE OLD RELIABLE"**

E. H. HUNT. 76 Wabash Ave. CHICAGO.

E. C. AMLING

THE LARGEST, BEST EQUIPPED, MOST CENTRALLY LOCATED WHOLESALE CUT FLOWER HOUSE IN CHICAGO.

32, 34, 36 RANDOLPH ST., CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Please mention the American Florist when writing

WEILAND & RISCH

Wholesale Growers and Shippers of CUT FLOWERS

59 Wabash Ave., CHICAGO.

'Phone Central 879

Write for our wholesale price list.

WHOLESALE FLORISTS

Please mention the American Florist when writing.

Jensen & Dekema

CARNATION SPECIALISTS

674 W. Foster Ave., CHICAGO.

Please mention the American Florist when writing

SINNER BROS.

WHOLESALE CUT FLOWERS

60 Wabash Ave., Chicago.

Careful attention to all SHIPPING ORDERS.

Please mention the American Florist when writing.

Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO.

Telephone, Central 3284.

Please mention the American Florist when writing.

THE BUSIEST HOUSE IN CHICAGO.

Long Distance Phone, Central 3155.

Chrysanthemums, Roses, Carnations, Valley,

Galax, Leucothoe Sprays, Wild Smilax, Adiantum, Fancy Ferns, and all Seasonable Cut Flowers.

J. B. DEAMUD, Pres.
W. P. KYLE, Vice-Pres.
ALEX. NEWETT, Mgr.

J. B. DEAMUD CO.,
51 and 53 Wabash Ave., CHICAGO.

Wholesale Flower Markets

CHICAGO, Oct. 10.

Roses, Beauty, 30 to 36-in. stems		4 00
" " 20 to 24 "	2 50@	3 00
" " 15 to 18 "	1 50@	2 00
" " 12	75@	1 00
" Liberty, Chatenay	3 00@	6 00
" Bride, Bridesmaid	3 00@	6 00
" Golden Gate	3 00@	6 00
" Killarney, Richmond	4 00@	10 00
Carnations	1 00@	1 50
" fancy		2 00
Lily of the valley	2 00@	4 00
Cattleyas.....per doz. $6 00@$7 50		
Harrisii lilies.....per doz. $1 50		
Asparagus plumosus, per string, 35 to 50c.		
" " per bu. 35c@$1 00		
" Sprengeri	2 00@	4 00
Galax leaves.....per 1000, $1 25		15
Adiantum	75@	1 00
Fancy ferns.....per 1000, $1 50		
Smilax.....per string, 10c@12½c		
Sweet peas		50
Asters	1 50@	2 00
Auratum lilies.....per doz. $1 50		

Poehlmann Bros. Co.

Wholesale Growers of and Dealers in **Cut Flowers.**

All telegraph and telephone orders given prompt attention.

Greenhouses: MORTON GROVE, ILL.

35-37 Randolph St., CHICAGO.

Be your own Commission Man

THE FLOWER GROWERS' MARKET

furnishes the facilities.

See PERCY JONES, Mgr.

60 Wabash Ave., CHICAGO.

Vaughan & Sperry,

Wholesale Florists,

58 and 60 Wabash Ave., CHICAGO.

WRITE FOR SPECIAL PRICES.

Please mention the American Florist when writing.

PETER REINBERG

Grower and Wholesaler of Cut Flowers.

1,200,000 feet of glass. Headquarters for American Beauty.

51 Wabash Ave., CHICAGO.

Always mention the American Florist when you order stock.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty.....

WHOLESALE GROWER of CUT FLOWERS

KENNICOTT BROS. COMPANY

40-42-44 Randolph St., CHICAGO.

Our reputation has always been that we fill orders when others fail. All stock in season at Lowest Market Rates.

THE BENTHEY-COATSWORTH CO.

35 RANDOLPH ST. WHOLESALE FLORISTS CHICAGO.

S. S. PENNOCK-MEEHAN CO.
The Wholesale Florists of Philadelphia.
1608 to 1618 Ludlow Street, PHILADELPHIA, PA.

Philadelphia.

DEMAND HEAVIER.

Business is improving, there being quite a change in the demand over that of last week. Early October weddings called for choice flowers and kept the market almost bare of American Beauty and other choice roses. Four dollars per dozen is now asked for the best American Beauty, but blooms must have stems close to four feet to bring this figure. The majority sell at from $1.50 to $3 per dozen. Killarney and Maid are improving, $6 per 100 being now asked for the best. Dahlias are plentiful and in good demand, in fact large shipments are on many days sold immediately on arrival. The stock has never been handled better than this season, the flowers arriving in perfect condition. Carnations are not at all equal to the demand, being sold at sight. Two to three dollars is the price. The first double violets arrived on Saturday last and another week will see regular shipments. Singles are plentiful but have little substance and must be sold the day they are received. Chrysanthemums are now coming in daily. The best are from H. Weber & Sons, Oakland, Md., who are shipping fine Polly Rose, Glory of Pacific and an early yellow to S. S. Pennock.

NOTES.

It's an ill wind that blows nobody good, and while adverse zephyrs are not in our line yet it seems that in trying to describe the conditions of the kentia market of this city as it appeared from a more or less personal inspection, we started a breeze which blew all the way from Germantown to Riverton and with a mighty fillip landed the festive "Phil," pipe, sandwiches and all right in the midst of 25,000 kentias. Kentias thousands of them, in such desirable sizes, fine specimens and groups of same in from 7 to 10-inch pots.

He could hardly believe his own eyes, for he had just read in the reliable columns of THE AMERICAN FLORIST that these very desirable palms were scarce, particularly such popular sizes, and here they were in quantity for everybody, which fact he very properly noted so that all he could reach through his column should know the true facts of the case. After he had eaten his sandwich and smoked his pipe he had an interview with Geo. A. Strohlein of the Dreer force who had just returned from Belgium, and he reported marketable or popular sized kentias to be scarce in this, the world's market, and that they were then importing small sizes from England to replenish their stock.

We note in a September issue of "Phil's" generally unreliable journal an editorial caution to those who are not closely in touch with the market, that kentias were advancing and would likely go higher, as there were no stocks in this country that were not sure of a sale and also that stocks were so depleted in Belgium that they could not be imported profitably for sale here.

W. H. Taplin, the noted palm expert of this city, says in an article in the September 29 issue of the Florists' Exchange, in speaking of kentias, "That the scarcity of certain sizes was being felt as early as September 1. The sizes that are in poor supply at present are plants in 7 to 8-inch pots, also strong stock in 6-inch pots. In the light of these facts and warnings I feel that I can assure "Phil" that kentias in popular sizes in this and all other markets are scarce and also congratulate the H. A. Dreer Co. on their foresight in having such a stock at this time and in my little squib having been the means of spreading the news broadcast before their buyers.

The Philadelphia Cut Flower Store, 618 Chestnut, furnished 27 laurel wreaths, all more or less elaborate, for the unveiling of the mounment erected to Dr. Kellner, a prominent citizen of German birth. The orders came from all over the country from different German societies. The work was much admired.

H. H. Battles has a house of as fine Adiantum Farleyense at Thornhedge as has ever been seen in this market. We question if it has been done commercially or in fact by private growers as well before.

The Leo Niessen Co. is handling some very choice American Beauty roses for the season of the year. Although receiving many more of this favorite rose than last year, their extra demand takes them all.

The types were a bit mixed regarding our treasurer in last week's issue. Goldflesh is a good name of the guardian of the funds, but Colflesh is the way Mr. William spells his name. K.

Pittsburg.

STOCK SCARCE.

Scarcity of stock still keeps the wholesalers from getting busy. When the morning shipments arrive it is a merry scramble to secure each person's order of carnations and good roses. Business is then practically over as there is no stock to work on. The once despised dahlia is now eagerly sought, many very good ones arriving from New Jersey and Maryland. Killarney is the best pink carnation on the market, selling well. Lilies are scarce. Many are being shipped in from the west, but these arrive in such a green state that they are very unsatisfactory. American Beauty roses are plentiful although the prices obtained are very good. The last of the gladioli and asters were seen during the week.

NOTES.

The last meeting of the Pittsburg and Allegheny Florists' Club was devoted to outdoor flowers. Many fine specimens of dahlias were shown. Schenley park presented its usual fine collection. President Jones never spares any expense or trouble to show the club fine collections. Albert Lorch showed some carnations he is now cutting, which were very fine.

Chas. Eiberheart, formerly with E. C. Ludwig, has taken a pardner and will now run a stand in the Allegheny Market under the name of Eiberheart & Schwartz.

M. S. Stafford intends adding to his store room a depth of about 20 feet. He has a couple of extra loads of fine palms with which to decorate it.

The firm of Chas. T. Siebert will hereafter be known as the C. T. Siebert Co., with Ernest Sieger in charge.

Mr. and Mrs. Willis, of the Salineville Floral Co., of Salineville, O., were visitors here the past week.

The Florists' Exchange was kept busy during the week unpacking supplies.

Alfred McCoyd opened in the Arcade on Saturday.

Visitors: Geo. Schomer, of Connellsville, Pa.; Jos. Hargraves, of East Liverpool, O. J.

LYNN, MASS.—Thos. Roland has purchased a motor truck for which he is having fitted a special body.

FALL RIVER, MASS. — John Lambert and wife observed their fifteenth wedding anniversary September 22.

MILWAUKEE, WIS.—Gordon Whitnall has entirely recovered from his recent illness and seems to be better than before it came on.

WILTON JUNCTION, IA.—John Beimford has sold out to Fredericksen & Son and will seek a climate more congenial to his health.

SIDNEY, N. Y.—Harry Thorndycraft has built a large new greenhouse. He grows early vegetables, plants, and also for cut flowers.

NEWTONVILLE, MASS.—Many friends speak highly of Patrick D. Connors, and were greatly shocked at his death. He had been here many years.

NEWTON CENTER, MASS.—H. J. McGrady has reopened the flower store at 67 Union street, where potted plants and cut flowers are always on hand.

BRIDGEFIELD, CONN.—A new Lord & Burnham boiler hase been installed in L. H. Biglow's greenhouses, which is equipped with all modern improvements.

DAHLIAS

The Best Stock Coming to the Market.

THE LEO NIESSEN CO.

WHOLESALE FLORIST.

Open From 7 A. M. to 8 P. M.

1217 Arch St., PHILADELPHIA, PA.

Roses — Carnations

Now is the time to stock up with supplies for the winter. Write for our list of supplies.

WE HAVE WHAT YOU WANT.

PITTSBURG FLORISTS' EXCHANGE, Pittsburg, Pa.

NOW READY

to fill orders for **American Beauties, Lily of the Valley, Carnations** and all varieties of **Tea Roses** in lots of one hundred to one thousand at short notice, Get our prices before ordering elsewhere.

WELCH BROTHERS, 226 Devonshire St., BOSTON, MASS.

ASPARAGUS PLUMOSUS NANUS.

Cut Strings, 50 cents each.

W. H. ELLIOTT, Brighton, Mass.

THE

J. M. McCullough's Sons Co.

Wholesale Commission Florists.

CONSIGNMENTS SOLICITED.

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES, SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

Please mention the American Florist when writing.

C. A. KUEHN,

Wholesale Florist,

3122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

Please mention the American Florist when writing.

ROSES AND CARNATIONS

Pittsburg's Largest and Oldest Wholesalers.

PITTSBURG CUT FLOWER CO., Ltd.

504 Liberty Ave., PITTSBURG, PA.

Please mention the American Florist when writing.

Holton & Hunkel Co.

Wholesale Florists

Milwaukee, Wis.

Please mention the American Florist when writing.

H. G. BERNING,

Wholesale Florist

1402 Pine St., ST. LOUIS, MO.

Please mention the American Florist when writing.

Wholesale Flower Markets

PHILADELPHIA, Oct. 10.

Roses, Tea	3 00@ 4 00
" " extra	6 00@ 8 00
" Liberty	4 00@15 00
" Queen of Edgely, extra	16 00@25 00
" " first	12 00@ 5 00
" Beauty, extra	16 00@ 5 00
" " firsts	12 00@15 00
Carnations	1 00@ 3 00
Lily of the valley	2 00@ 4 00
Asparagus, bunch	25 00@50 00
Smilax	20 00@25 00
Adiantum	7 @ 1 50
Cattleyas	50@ 60
Gardenias	16 00@25 00
Gladiolus	2 00@ 5 00
Dahlias	1 00@ 3 00

BOSTON, Oct. 10.

Roses, Beauty, best	25 00@35 00
" " medium	12 00@20 00
" " culls	2 00@ 8 00
" Bride, Bridesmaid	2 00@ 4 00
" Extra	6 00@ 8 00
" Liberty	6 00@ 5 00
Carnations	1 00@ 2 00
" Fancy	2 00@ 3 00
Lily of the valley	2 00@ 4 00
Smilax	8 00@12 00
Adiantum	1 00@ 1 50
Asparagus	35 00@50 00
Sweet peas	25@ 75
Pond lilies	2 00@ 4 00
Asters	75@ 1 00
Gladioli	2 00@ 4 00

BUFFALO, Oct. 10.

Roses, Beauty	5 00@25 00
" Bride, Bridesmaid, Meteor	3 00@ 8 00
Carnations	1 00@ 2 50
Lily of the valley	3 00@ 4 00
Asparagus, strings	40 00@50 00
Smilax	12 00@15 00
Adiantum	75@ 1 50
Lilies	5 00@ 5 00
Water lilies	4 00@ 6 00
Dahlias	1 00@ 3 00

THE ART OF Floral..... Arrangement.

The first special newspaper in the world for floral arrangement.

250 ILLUSTRATIONS ANNUALLY.

Specimen number free.
Subscription, $2.40 yearly.

BINDEKUNST-VERLAG,
J. Olbertz, ERFURT, GERMANY.

Please mention the American Florist when writing

J. B. MURDOCH & CO.

WHOLESALE FLORISTS,

FLORISTS' SUPPLIES.

545 Liberty Ave., PITTSBURG, PA.

IT IS NOT...

what you pay for the advertisement but what the advertisement pays you. It pays to advertise in the **American Florist.**

Field-grown Carnation Plants. GOOD CLEAN STOCK. WRITE FOR PRICES.

ABSOLUTELY THE BEST POSSIBLE SERVICE.

W. E. McKissick

WHOLESALE FLORIST.

Business Hours 7 a.m. to 6 p.m.

1221 Filbert Street, PHILADELPHIA, PA.

Please mention the American Florist when writing

Nephrolepis Whitmani

2¼-inch, $25.00 100,

Boston Ferns 2¼-in. $3.00 per 100.

Henry H. Barrows & Sons, WHITMAN MASS.

Please mention the American Florist when writing.

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants.

Market and 49th Sts, Philadelphia, Pa.

Please mention the American Florist when writing.

New York.

DEMAND EXCEEDS SUPPLY.

The market is very much improved, but the improvement is mainly due to a shortage of arrivals. Everything in the way of arrivals is short and there is nothing which could be said to be normal. Roses are very light, but the quality is improved and really good Bride and Bridesmaid roses can be had. Prices are running somewhat above the minimum of quotations. Bride roses are short in supply. Anything in whites is scarce. Ordinary pink and white varieties are plentiful enough, but anything approaching standard stock has to be hunted for. American Beauty is looked for to a large extent and special grades were bringing as high as 50 cents during the early part of this week. Carnations are improving very much in quality and some really good flowers are being offered. White varieties are not much in evidence, according to the demand. Lilies are in demand, and the supply is quite poor, offerings bringing easily above the maximum price. Lily of the valley is not up to the demand and consequently much of the lower grades bring prices approaching the maximum. Violets are arriving freely, but the quality is poor. Chrysanthemums are coming in quite plentifully. Cosmos, feverfew and phlox are among the outside offerings finding ready buyers. Cattleyas are not very plentiful and at times seem quite scarce. Gardenias are coming in quite freely and go off at very good figures as high as $3.50 per dozen.

NOTES.

The windows of many of the retail florists show signs of more careful attention to a display to suit the season just opened. Here and there made-up boxes and hampers are to be seen filled with crotons, dracænas and ferns. Made-up fillers for fern dishes, perforated flower pans, filled with small ferns and Asparagus plumosus, are to be found at some stores. These are carried in a size to suit the common sized round fern dish, and are undoubtedly an advantage. In Fleischman's Madison square store this week were noticed some large imitation specimens of blue hydrangeas in pots. It is not often that the artificial flower maker can find room for his art in prominent Broadway establishments. Many florists are making window displays of art ware covering flower receptacles. J. H. Small & Son showed a fine collection of pottery, plain antique finish and Greek patterns, in their store windows last week, and the goods suitably arranged in display with forms of different kinds proved very attractive.

The New York Florists' Club held its monthly meeting on October 8. The exhibits presented were quite small, and occasioned little attention from the committee of awards. Henry Beaulieu, of Woodhaven, made a very creditable exhibit of dahlias. Resolutions on the death of James Weir, Jr., were read and adopted, and a committee was appointed to draft a memorial on the death of Paul R. Pierson, father of Frank R., Paul M. and Lincoln Pierson. Ant C. Zvolanek, Lester C. Lovett, and Henry Turner, were elected to membership, and Andrew Wilson, of Summit, N. J., was nominated for membership. The resignation of Samuel Thorne was accepted, and on motion Mr. Thorne was made an honorary member. C. H. Totty, of Madison, N. J., was complimented on his admirable showing of the chrysanthemum Mrs. R. Fothergill. The committee on nominations was announced by President Scott, the same being Alex. Wallace, Geo. S. Kene, Walter P. Sheridan and Wm. Duckham.

The employes of the wholesalers are arranging to hold another large ball early in January. A committee has taken the matter in charge and has secured a hall uptown which will allow of the affair being conducted on a larger scale than last year.

The question, "What is a stove plant?" was discussed in lively fashion, and ultimately on motion a committee was named to report on the subject at the next meeting.

J. H. Kemper, of Flatbush, has commenced the building of a greenhouse on the new lot recently acquired by him near his old site.

John Young is receiving some fine shipments of American Beauty roses from his Bedford establishment.

Vincent Zuber, of Whitestone, L. I., is sending in daily a wagon load of dahlias to Alfred H. Langjahr.

Peter Wagner, of Flatbush, is sending in Boston and Scottii ferns, fine in quality and size.

Gunther Bros. are receiving daily shipments of dahlias from Atco, N. J.

Visitors: Thos. J. Grey, Boston, Mass., and H. C. Obergfell, Atlantic City, N. J.

Horticultural Society of New York.

The opening meeting for the winter session of the Horticultural Society of New York will be held October 10, in the museum building of the New York Botanical Garden. In connection with the meeting, there will be an exhibition of hardy flowers, etc., which will be continued on the Thursday. Specimens of interest are solicited. The exhibition not being of a competitive character, the awards will be made on the merits of the individual exhibits. Further application can be made to the secretary, Leonard Barron, 133 East Sixteenth street, New York.

Huntington, N. Y.

The fourth annual exhibition of the Horticultural and Agricultural Society, held the afternoon and evening of September 20, was the most successful of any yet given. The L. I. Railroad's experiment station at Wading River, H. B. Fullerton, gardener, made the principal exhibit. Mr. Fullerton told the story of the Wading River farm. Some fine exhibits were also made from the greenhouses and gardens of Oyster Bay. Henry A. Dreer, of Philadelphia, sent a collection of blooms. H. T. and A. H. Funnel and Wm. O'Hara, both of this city, also had excellent displays.

HEADQUARTERS FOR

CHOICE PLANTS.

Araucaria Excelsa, 5-in. pots, 50c and 75c, 3 to 4 tiers; 5½ to 6 in., $1.00 to $1.25, 4 to 5 tiers; 7-in. pots, $1.50, $2.00 and $2.50; 8-in. pots, 3½ feet tall, $3.00 to $3.50.

Asparagus Plumosus, 4-in. pots, $1.50 per doz.; 4½-inch pots, $2.00 per doz.; extra large, in 4½-in. pots, $3.00 per doz.

Bay Tree Pyramids, 50 to 60 in. high from top of tub, $14.00 a pair; 65 to 70 in. high from top of tub, $16.00 to $18.00 a pair.

Cibotium Schiedei, 6½ and 7 in. pots, $2.00 and $2.50 each.

Cycas Revoluta, 5½, 6, 7 and 8 in. pots, 50c to $1.50 each.

Dracaena Fragrans, 6-in. pots, $6.00 per doz.; 7-in. pots, $9.00 per doz.; 8-in. pots, $15.00 per doz. **Dracaena Lindeni,** 6-in. pots, $9.00 per doz.; 7-in. pots, $12.00 per doz. **Dracaena Indivisa,** 4-in. pots, $10.00 per 100; 5½-in. pots, $20.00 per 100. **Dracaena Terminalis,** 5-in. pots, $4.00 per doz.; 5½-in. pots, $5.00 per doz.; 7-in. pots, $15.00 per doz.

Boston Ferns, 5 in. pots, $3.00 per doz.; 6-in. pots, $5.00 per doz.; 6½-in. pots, $9.00 per doz.; 8-in. pots, $15.00 per doz.; 11-in. pots, $2.50 and $3.00 each; specimens, in 12-in. pots, $5.00, $6.00 and $7.00 each; 14-in. pots, $15.00 a pair. **Scottii Ferns,** 5½-in. pots $3.00 per doz.; 6-in. pots, $6.00 per doz.; 7 and 8 in. pots $12.00 per doz. **N. Elegantissima,** 5½-in. pots, $5.00 per doz. **N. Whitmani,** 4½-in. pots $6.00 per doz. **N. Piersoni,** 5-in. pots, $4.00 per doz.; 6-in. pots, $6.00 per doz.; 6½-in. pots, $9.00 per doz.; 7-in. pots, $12.00 per doz.

English Ivy, 4½-in. pots, $2.00 per doz., $15.00 per 100, 3 to 4 feet high.

Kentia Forsteriana, combinations, 3 and 4 plants, in 8-in. pots, $1.50 to $3.00.; 10-in. pots, $6.00 each; 14-in. pots, $15.00 to $20.00 each; single plants, 50c to $2.00 each. **Kentia Belmoreana,** single plants, 5-in. pots, $4.00 per doz.; 6-in. pots, $9.00 per doz; 6½ and 7 in. pots $18.00 per doz.; large plants, from $2.50 to $3.50 each.

Livistona Sinensis, superior to Latania borbonica, 5 and 5½ in. pots, $5.00 per doz.; 6½-in. pots, $9.00 per doz.; 7-in. pots, $12.00 per doz.

Pandanus Veitchii, 5-in. pots, $4.00 per doz.; 6-in. pots $6.00 per doz.; 6½-in. pots, $9.00 per doz.; 7-in., $18.00 per doz.; 8-in., $2.00 each.

Primula Obconica, $2.00 per doz., $15.00 per 100.

Rubbers, 6-in. pots, $6.00 per doz.; 6½-in., branched, $9.00 per doz.; 6½-in., single stem, $8.00 per doz.; 7-in., branched, $9.00 per doz.; 10-in., 3 in a pot, $2.00 to $2.50 each.

Surplus of **Ardisia Crenulata** for next year fruiting, very fine, branched, 4-in. pots, 1 ft. tall, spread 8 in. to 10-in., $40.00 per 100; 4½-in., $50.00 per 100.

Asparagus Sprengeri, $5.00 per 100.

Anton Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y

VICTORY

GUTTMAN & WEBER,
43 West 28th Street,
NEW YORK.

STRONG, FIELD-GROWN PLANTS NOW READY.

1st size $15.00 per 100. 2nd size, $12.00 per 100. 3rd size, $10.00 per 100.

DISCOUNT FOR CASH WITH ORDER.

HORACE E. FROMENT, Wholesale, Commission,
Successor to William Chormley.
Orchids, Roses, Carnations, Valley, Lilies, Etc.
57 West 28th Street, NEW YORK CITY.
Telephones 2200 and 2201 Madison Square.

Trade Directory

—OF THE—

UNITED STATES AND CANADA.

PRICE $2.00, POSTPAID.

American Florist Co.. 324 Dearborn St., Chicago.

Choice Carnations. Selected Roses.
Traendly & Schenck
NEW YORK CITY,
44 W. 28th Street, Cut Flower Exchange.
New Telephone No. 798 & 799 Madison Sq.
Please mention the American Florist when writing.

CARNATIONS
MY SPECIALTY
Consignments Solicited. Prompt Payments
Established 1891.
Alfred H. Langjahr, 55 W. 28th St., NEW YORK.
Telephone 3924 Madison Square.
Please mention the American Florist when writing.

Original Pioneer House—Established 1871.
JAMES HART
103 W. 28th St., NEW YORK.
Wholesale and Commission
Consignments solicited. Shipping orders promptly attended to. 'Phone 626 Madison.
Please mention the American Florist when writing.

FORD BROS.
Receivers and Shippers of
Fresh Flowers
48 West 28th St. NEW YORK.
Telephone 3870-3871 Madison Sq.
Please mention the American Florist when writing.

N. Y. Cut Flower Exchange
Coogan Bldg., 6th Ave. & W. 26th St., New York.
Open for Cut Flower Sales at 6 o'clock Every Morning.
Desirable Wall Space to Rent for Advertising.
V. S. DORVAL, JR., Secretary.

The Best Way to Collect an Account
is to place it with the
NATIONAL FLORISTS' BOARD OF TRADE,
56 Pine St., New York.
Why? Because many debtors will pay the Board, fearing otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.

ORCHIDS
Largest Importers, Exporters, Growers and Hybridists in the World.
SANDER, St. Albans, England.
NEW YORK OFFICE: Room 1, 235 Broadway. T. MELLSTROM Agent.

Charles H. Totty
WHOLESALE FLORIST
Chrysanthemum Novelties A Specialty. MADISON, N. J.

Wholesale Flower Markets

NEW YORK, Oct. 10.

Roses, Beauty, best	10 00@40 00
" " medium	6 00@10 00
" " culls	1 00@ 4 00
" Liberty, best	3 00@ 7 00
" " culls	1 00@ 2 00
" Bride, Bridesmaid, G. Gate	5 @ 8 00
" Kaiserin, Carnot	1 00@ 6 00
Carnations	1 00@ 1 50
" fancy and novelties	1 50@ 5 00
Lily of the valley	1 00@ 4 00
Lilies	6 00@15 00
Violets	35@ 50
Smilax	6 00@ 8 00
Adiantum	50@ 1 00
Asparagus	20 00@50 00

Thomas Young
WHOLESALE FLORIST.
43 West 28th St., NEW YORK.

Alex. J. Guttman
The Wholesale Florist of
NEW YORK.
Phone 1664-1665 Mad. Sq. 43 W. 28th Street.

Moore, Hentz & Nash,
Wholesale Commission Florists,
55 and 57 West 26th Street,
Telephone No. 756 Madison Square. New York.

N. Lecakes & Co.
53 W. 28th St., NEW YORK.
Tel. No. 1214 Madison Square
Stands at Cut Flower Exchange, Coogan Bldg., W. 26th Street & 34th Street Cut Flower Market. SPECIALTIES: Galax Leaves, Ferns and Leucothoe Sprays, Holly, Princess Pine and all kinds of Evergreens.
Green and Bronze Galax Leaves, $1.00 per 1000.

A. J. FELLOURIS,
J. J. Fellouris, Manager.
Wholesale and Retail Dealer in all kines of
EVERGREENS,
Fancy and Dagger Ferns, Bronze and Green Galax.
Telephone, 2675 Madison Square.
52 West 28th Street, NEW YORK.

George Cotsonas & Co.
Wholesale and Retail Dealers in all kinds of
Evergreens.
Fancy and Dagger Ferns, Bronze and Green Galax.
Phone 1202 Mad. Sq.
Main Store, 50 W. 28th St., NEW YORK.

—FLOWERS SHIPPED BY—
JOHN I. RAYNOR
Are the best product of the best growers for the New York Market.
Adiantum Croweanum sold here exclusively.
49 W. 28th St., NEW YORK.
Tel. 1998 Madison Square.
Please mention the American Florist when writing.

Walter F. Sheridan,
WHOLESALE FLORIST,
Telephone 902 Madison Square.
39 West 28th St., NEW YORK.
Please mention the American Florist when writing.

J. Seligman. Joseph J. Levy
John Seligman & Co.
WHOLESALE FLORISTS
56 West 26th Street, NEW YORK.
OPPOSITE N. Y. CUT FLOWER CO.
Everything in Cut Flowers. Consignments from growers solicited. Prompt returns. Best prices. Satisfaction guaranteed. Tel. 4878 Madison.
Please mention the American Florist when writing.

PHIL. F. KESSLER
Wholesale Commission Florist
Telephones { 2921 / 5243 } Madison Square.
55 WEST 26th STREET,
Consignments solicited. Prompt payments. New York.
Please mention the American Florist when writing.

A. M. HENSHAW
Wholesale Commission Florist.
Consignments of first-class stock solicited. Ou of town orders carefully and promptly filled.
Telephone 5583 Madison.
52 W. 28th St., NEW YORK

Receivers and Shippers of Cut Flowers. Consignments Solicited.
A. L. YOUNG & CO. Wholesale Florists . .
54 West 28th Street.
Telephone 3559 Madison Sq. NEW YORK.

THE KERVAN COMPANY,
20 West 27th St., NEW YORK.
Wholesale dealers in fresh cut Palmetto and Cycas Palm leaves, Galax, Leucothoe Ferns, Mosses and all Decorating Evergreens.

J. K. ALLEN.
Wholesale Commission Florist.
106 West 28th St., NEW YORK CITY.
Open every day at 6:00 A.M. Tel. 167 Madison Sq.

Orchids!
ARRIVED IN SUPERB CONDITION.
Cattleya Dowiana, C. gigas, C. Mossiæ, C. Percivaliana, C. Speciosissima, C. Eldorado, C. superba, C. labiata, C. Leopoldii, and many more. Write for prices.
Lager & Hurrell, SUMMIT, N. J.
Orchid Growers and Importers.

CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

William H. Donohoe,

No. 2 West 29th St., (One Door Off 5th Ave.) NEW YORK.

PHONES: 3034 and 3035 MADISON SQUARE.

Write, wire or telephone your orders to the above. Personal attention assured.

The best is none too good. Prices always right. Send me your next order.

DETROIT.

JOHN BREITMEYER'S SONS

Cor. MIAMI and GRATIOT AVES.

DETROIT, MICH.

...Artistic Designs...

High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

MILWAUKEE.

C. C. Pollworth Co.

MILWAUKEE, WIS.

Will take proper care of your orders in WISCONSIN.

INDIANAPOLIS.

Bertermann Bros. Co.

FLORISTS

241 Massachusetts Ave., INDIANAPOLIS, IND.

ST. LOUIS.

Fred. C. Weber,

FLORIST.

4320-4328 Olive St., ST. LOUIS, MO.

Established 1873. Bell, Lindell 676.

DENVER.

The Park ...Floral Co.

J. A. VALENTINE, President. DENVER, COLO.

OMAHA.

HESS & SWOBODA,

Florists,

1415 Farnam Street, Phone 1501 and L. 1582. OMAHA, NEB

Please mention the American Florist when writing.

DENVER.

FLORAL DESIGNS AND FLOWERS.

Best Quality on Shortest Notice.

DANIELS & FISHER, DENVER, COLO.

Order by mail, telephone, telegraph or cable.

Cable address: "Daniels Denver."

LONDON PARIS BERLIN

A. Lange

Prompt Attention to STEAMSHIP ORDERS.

Main Address 40 East Madison Street, Heyworth Bldg. ...CHICAGO.

Agents in all Leading European Cities.

GUDE BROS. CO. FLORISTS 1214 F ST. N.W. WASHINGTON, D.C.

WASHINGTON, D. C.

Gude's.

CHICAGO.

P. J. HAUSWIRTH

Auditorium Annex, CHICAGO.

Mail, telegraph or telephone orders filled promptly in best style.

BUFFALO.

Palmer's

Buffalo, N. Y.

W. J. Palmer & Son, 304 Main St.

WASHINGTON.

GEO. H. COOKE,

FLORIST

Connecticut Avenue and L Street, WASHINGTON, D. C.

KANSAS CITY.

Samuel Murray

...FLORIST...

Coates House Conservatory

1017 Broadway, KANSAS CITY, MO.

Both 'Phones 2670 Main.

Write, Telephone or Telegraph. All orders given prompt attention.

KANSAS CITY.

GEO. M. KELLOGG,

926 Grand Avenue,

KANSAS CITY and PLEASANT HILL, MO.

Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

BROOKLYN, N. Y.

Robert G. Wilson

Fulton St. and Greene Ave. BROOKLYN

Greenhouses: Short Hills, N. J.

—Deliveries in—

Greater New York, Long Island and New Jersey.

Trade orders from all parts of the country filled for delivery at residence, steamer, hotel, or theater on wholesale basis. Satisfaction guaranteed. Wire or telephone.

ST. PAUL.

HOLM & OLSON,

ST. PAUL.

THE LEADING FLORISTS OF THE NORTHWEST

Orders will be well cared for anywhere in Minnesota and the Dakotas.

GALVESTON.

Mrs. M. A. Hansen,

—FLORIST—

Galveston, Texas.

Special attention given to Telegraph or Telephone Orders. 'Phone 1912.

JACKSONVILLE.

MILLS THE FLORIST,

36 W. Forsyth Street,

JACKSONVILLE, FLA.

WASHINGTON.

Mayberry & Hoover

Florists and Decorators

1339 Fourteenth St., Northwest

Telephone North 508. WASHINGTON, D. C.

New Orleans

CUT FLOWERS

For Tourists and General Trade.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, —838— CANAL ST.

COLUMBUS.

The Livingston Seed Co.

FLORISTS

Cover All Ohio Points. 114 North High St.

MAKE MORE PROFIT

You can do this by buying **all** your stock, both in **CUT FLOWERS** and **FLORISTS' SUPPLIES**, of **THE A. L. RANDALL CO.** Try us.

THE A. L. RANDALL CO., 19 and 21 EAST RANDOLPH ST., Chicago.

The Cleveland Cut Flower Company,

WHOLESALE CUT FLOWERS, FLORISTS' SUPPLIES, WIRE DESIGNS.

215 Huron Road, **CLEVELAND, OHIO.**

Cut Flowers or Designs

Will be delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

NEW YORK.

Alexander McConnell

IN NEW QUARTERS.

571 Fifth Avenue, Windsor Arcade, **NEW YORK CITY**

TELEGRAPH orders forwarded to any part of the United States, Canada and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive our prompt attention.

Telephone Calls: 487 and 488 38th Street.
Cable Address: ALEXCONNELL.
WESTERN UNION CODE.

ST. LOUIS.

Theodore Miller

FLORIST,

Long Distance Phone, Bell Forest 56, Kinloch, Delmar 201. **4832 Delmar Boulevard, ST. LOUIS, MO.**

DAYTON, O.

Matthews,

FLORIST,

16 W. 3rd St., DAYTON, O.

ALBANY, N. Y.

EYRES

Flowers or Design Work.

DELIVERED IN ALBANY AND VICINITY ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

LOUISVILLE.

JACOB SCHULZ, 644 Fourth Ave., LOUISVILLE, KY.,
Cut Flowers of BEST QUALITY in season delivered promptly to any address.
Write, Telegraph or Telephone.
Cumberland and Home Phones 223 and 984.

ATLANTA.

ATLANTA FLORAL CO.

41 Peachtree Street, **ATLANTA, GEORGIA.**

The American Florist Company's

DIRECTORY

Contains the names and addresses of all the Florists, Seedsmen and Nurserymen in the United States and Canada. Price $2.00.

AMERICAN FLORIST CO.,
324 Dearborn Street **Chicago, U. S. A.**

GERANIUMS

ROOTED CUTTINGS.

Orders booked for delivery Dec. 1, and after I will have fourteen houses planted to stock plants and can supply you with the right kind of cuttings.

	Per 100	1000
S. A. Nutt, Perkins, Buchner, Doyle	$1.25	$12.50
Viaud, Jaulin, Poitevine, L. Francis, Ricard, Castellane, Trego	1.50	15 00
Peter Henderson	2.00	20.00
Fleuve Blanc (White Poitevine)	5.00	50.00

These cuttings are carefully grown and will make a better plant than the average pot plant.

ALBERT M. HERR,
Lancaster, Pa.

FERNS.

Extra Fine and Cheap.

FROM BENCH. Boston, 3-inch 5c; 6-7-in., 15c. Boston and Piersoni 4-inch, 10c.; 5-inch, 12½c. Tarrytown, 3-inch, 10c.; 4-inch, 15c; 6 inch, 25c; Tarrytown Runners, fine stock, $2.00 per 100. Scottii, 3-inch, 8c; 4-inch, 12½c; 5-inch, 15c.
PRIMROSE, Chinese, white, strong, 2-in., 1½c.
FLOWERING BEGONIAS, 8 kinds, 2-inch, 2½c.
ASPARAGUS SPRENGERI, 2½-in., $2.00 per 100.
PANSIES, Giant, $3.00 per 1000.
Dbl. DAISIES, Snowball, Longfellow, Delicata, $2 50 per 1000.
RUBBERS, top grown, 4-5-inch, 15c and 25c.
HARDY PINKS, field, Essex Witch, M. Gray, Abbottsford, 3½c.
Dbl. HOLLYHOCKS, 4 colors, field, 1 year, 3c.
Cash or C. O. D.

BYER BROS., Chambersburg Pa.

TAKE MY WORD FOR IT.

—— THE ——

Rose Pink Enchantress

Will pay you well to invest in.

It is a variety of superior merit, both free and "fancy," and of a color that you have been looking for in vain during the past two seasons.

Price: $7.00 per 100; $60.00 per 1000.

S. S SKIDELSKY,
824 No. 24th Street, **PHILADELPHIA, PA.**

Descriptive circular on application.

Please mention the American Florist when writing.

NOTICE.

I have bought out the interest of Mr. A. Faber, of the firm of Fick & Faber, and intend to continue the business under the firm name of

CHARLES F. FICK, San Mateo, Cal.

Hoping that the trade in general will continue to favor me in the future as in the past the old firm.

FERNS FROM BENCH.

BOSTONS, ready for 4 and 5-inch pots, $10.00 and $15.00 per 100 respectively.

CARNATIONS.

1500 Norway, extra large, healthy plants, $3.50 per 100; $30.00 per 1000.

ASPARAGUS.

Heavy, 2½-inch, plants, ready for a shift.
Sprengeri, extra fine., 3 00 per 100; 25.00 per 1000
" field-grown clumps, $6.00 per 100.
JERUSALEM CHERRIES, 3½-inch now in bloom, $4.00 per 100 These plants are ready for 5-inch.
1500 **CALIFORNIA VIOLETS,** fine big clumps, $5.00 per 100.

J. W. DUNFORD, Clayton, Mo.

A Few Good Things You Want.

Cash with Order.

Dracaena Indivisa, 4 and 5-inch, $10.00 and $25.00 per 100.
Asparagus Plumosus, 2-in., $3.00 per 100.
Asparagus Sprengeri, 2-inch $2.50 per 100.
Geraniums, S. A. Nutt, Castellane, John Doyle, Perkins, Poitevine and Double Gen. Grant, La Favorite, Mme Saleroi, 2-in. pots, $2.00 Rooted cuttings, $1.00 per 100.
Rex Begonia, nice plants, and 2½-inch, $5.00 per 100.
Boston Ferns, 5-inch, 30c each.
Pierson Ferns, 5-inch, 50c each.
Vinca Var., 2-in., $2.00 per 100.
Primula Obconica, 2-in., $2.00 per 100.

GEO. M. EMMANS, NEWTON, N. J.

ABUNDANCE!

Healthy stock, field-grown plants, 1st size, $12.00 per 100; $100 00 per 1000; 2nd size, $10.00 per 100; $75.00 per 1000; 250 at 1000 rates. Delivery 15th of August. Cash with order.

RUDOLPH FISCHER, GREAT NECK, L. I., N. Y.

Carnations We make it a business to grow and sell carnation plants. No surplus stock. All A1 plants.

Crane.....$3 00 per 100; $25.00 per 1000
Flamingo..... 3.00 per 100; 25.00 per 1000

All other varieties are sold.
Cash with order, please.

Blanksma Bros., R. F. D. No. 11, GRAND RAPIDS, MICH.

ROOM....

We are crowded for room and must dispose of a lot of

BOSTON FERNS AT A SACRIFICE.

We have a large stock of **Boston, Piersoni, Elegantissima** and **Scottii.** Write for special prices which are too low to appear here.

W. W. COLES, Kokomo, Ind

For Best Results Advertisers should mail new advertisements and changes so as to reach us on Mondays.

The Seed Trade.

American Seed Trade Association.
H. W. Wood, Richmond, Va., Pres.; C. S. Burge, Toledo, O., First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas. Twenty-fifth annual convention at New York, 1907

SOME extended reference to Benary's novelties will be found elsewhere in this issue.

THE low lands of the Tennessee holly districts are seriously flooded with water.

THE California onion seed growers at present decline to make any prices for next year.

THE shortage of onion seed in California appears to be greater than was anticipated.

LACK of frost so far makes bulb sales with retailers rather slow. October should show improvement.

HOWARD M. EARL, of W. Atlee Burpee & Co., Philadelphia, Pa., is in California looking for onion seed.

ONE of the largest of the California growers intends to book orders for next year's onion seed crop with prices open.

VISITED CHICAGO: Roland Bolgiano, of J. Bolgiano & Son, Baltimore, Md.; F. W. Maas, of the Planters' Seed Co., Springfield, Mo.

EDWARD DUNGAN, manager of the Wm. Henry Maule concern, Philadelphia, Pa., was a recent caller on the Chicago trade, returning from the California and Nebraska seed districts.

SAN JOSE, CAL., October 5.—A big touring car owned and driven by E. L. Peacock and containing Major and Mrs. Chas. P. Braslan, Mrs. Adele Pieper of this city, and H. M. Earl of Philadelphia, collided in front of the Agnew asylum with an unidentified Japanese cyclist. The automobile, the wheel and the Japanese were thrown off the road into an irrigation ditch, where the heavy car held the cyclist under the water. He was drowned before he could be rescued. None of the automobilists was injured.

The Making of Catalogues.

At this time of year seedsmen are much interested in the making of catalogues. The chief thing about a catalogue is the cover. That must be admitted at all times. A catalogue cover should appeal to everyone, the informed as well as the illiterate customer. The intelligent customer may be interested by the fine work shown on your catalogue as easily as the man or woman of lesser knowledge is attracted by showy pictures. The chief object of a catalogue cover is to attract. In this connection it may not be amiss to glance at some of the latest covers of leading houses. The illustrations herewith show some of these covers reproduced. It should be understood, of course, that the color effect is absolutely lacking in the reproductions and that while many of the covers do not show up well in these reproductions, in their color schemes they

Grant Thorburn.
Founder of the House of Thorburn.

are quite attractive. Perhaps one of the best catalogue covers of recent years is that designed by Mucha, the noted French artist, for Vaughan's twenty-eighth annual spring catalogue, issued last year. Gregory, of Marblehead, said it was the best catalogue cover of the season, and Gregory has seen a good many. For general workmanship, grace of figures and pleasing color scheme, gold and two shades of lilac on gray ground, the design takes first rank.

Dreer's cover shows salpiglossis embossed in natural colors.

Burpee's beans and ear of corn are lithographed in natural colors.

Vaughan's 1906 cover shows Phlox Drummondi lithographed in natural colors.

The Rawson cover is embossed in natural colors.

Livingston's cover is of very pleasing color scheme, in which, however, the detail is entirely lost in the reproduction. The cover is lithographed in natural colors.

Beckert's cover shows a very artistic and effective embossed design.

Thorburn's is perhaps the most expensive cover in this collection. The hand made embossing die has been used here with striking effect. Conventionalized carnations are shown in pink and green and the trade mark of the firm shows up particularly strong in three colors, the entire effect being very delicate and pleasing.

Michell's is an embossed cover in nat-

Seed trade continued page 552.

WE ARE BOOKING ORDERS NOW FOR
Asparagus Plumosus Nanus
For delivery next winter. Per ounce (700 seeds), $1.00; per pound, $14.00; per 5 pounds, $55.00; per 10 pounds, $100.00.
F. GILMAN TAYLOR SEED CO.,
GLENDALE, CALIFORNIA.

CALIFORNIA GROWN BULBS.
All Varieties. Unsurpassed.
Catalogue Free.
THE LEEDHAM BULB CO.
SANTA CRUZ. CAL.

TRUE STOCK.
Rocky Mountain Columbine
From the Rockies.
SEED—¼ oz., 40c; 1 oz., $1.25; ¼ lb., $4.00, by mail.
ROOTS—4 yr. old, doz., $1.25; 100, $8.00, by express. Order from headquarters.
THE BARTELDES SEED CO.,
DENVER, COLO.

PACIFIC SEED GROWERS' CO.
109 MARKET STREET
SAN FRANCISCO, CAL.
Specialties:
Onion, Carrot, Lettuce, Sweet Peas

STOKES STANDARD SEEDS
ARE · MONEY · MAKERS
· Write · me · your · wants ·
STOKES SEED STORE
219 Market Street
Philadelphia

5,400 ACRES OF GARDEN SEEDS IN CULTIVATION.
Braslan Seed Growers Co.
WHOLESALE SEED GROWERS.
SAN JOSE, CALIFORNIA.

SOME CATALOGUE COVER DESIGNS.

ural colors and a fairly good design marred somewhat by three patches of printed matter in black and white.

Henderson's catalogue, showing on the front cover a scene entitled "The Garden Beautiful," is quite attractive. In the picture scene of the cover is shown a very delicate shade of sky blue and the entire cover is done in four colors. The embossing is of the most costly character. A companion scene is printed on the back cover entitled "The Garden Bountiful," and is equally meritorious.

Weber & Don have a costly design of gray effect. The general style is quite up-to-date and was drawn so as to give an embossed effect.

Vick's cover shows asters well lithographed in pink, white and purple on a light green ground. The back cover strawberry design is even more effective than the asters on the front.

Farquhar's purple and white campanulas on a yellowish ground makes a very striking cover, the firm name being printed in strong red.

The House of Thorburn.

The illustration herewith shows the latest quarters of perhaps the oldest regular seed firm in America, well known everywhere as J. M. Thorburn & Co., of New York. We also reproduce on another page the portrait of the founder of this illustrious house, Grant Thorburn. The following particulars with regard to this concern may not be without interest at this time. It will be recalled that only a short time ago (see issue of June 30, 1906) we published an exhaustive account of the house of Vilmorin, the greatest seed house in the world. In that connection this sketch of the house of Thorburn will be interesting to those who have followed the development of the seed trade in Europe and America.

The business was established by Grant Thorburn in 1802 at 20 Nassau street. Grant Thorburn was born in Dalkeith, near Edinburgh, Scotland, in February, 1773. Business was carried on at 20 Nassau street and in 1808 by a miracle escaped total destruction by a fire which commenced in a soap and candle factory adjoining the store.

"In 1814 the business was totally prostrated by the proprietor expending his whole capital and more in fruitless preparations and attempts to raise seeds, etc., which could not be imported during the war." This notice appeared as an advertisement on the back cover of G. Thorburn & Son's catalogue of 1827. On the back cover of the 1822 catalogue appeared the following advertisement:

G. Thorburn & Son take the liberty of informing their friends and the public that they are constantly supplied at their seed warehouse, 20 Nassau street, New York, with a general assortment of garden seed suitable for cultivation in the United States and the West Indies: Grass seeds of every important and valuable kind, hawthorn quicks for live fences or hedging, a great variety of flower seeds and roots, procured from various parts of the world; spades, shovels, rakes, hoes, hand ploughs, etc., etc., bird seed of every kind; English split and whole peas for boiling, American and Scotch oatmeal.

The more effectually to accommodate their customers they have connected with the seed trade, a botanical and agricultural book store, where a great variety of the most valuable publications on these subjects, especially the modern works of merit, may now be had, including the agricultural almanacs of the states of New York, Pennsylvania can Connecticut can be had every year as soon as published.

In 1816 Grant Thorburn recovered from the prostration of his business as recorded in 1814 and "with the help of $500.00 advanced by a friend" he commenced anew, "having for nine years past stood the attacks of several powerful opponents, and among the last though not the least, was the great Ruta Baga of Botley, the famous Wm. Cobbett, of political memory." In the 1822 catalogue we notice the following interesting quotations under the heading:

The New Thorburn Store.

Wholesale prices of seeds for the information of those who sell again:

Asparagus	per lb.	$1.00
Beet	"	1.50
Ey. York Cabbage	"	2.50
Carrot	"	1.50
White Spine Cucumber	"	4.00
Mangel Wurzel	"	1.50
Nasturtium	"	2.00
Spinach	"	1.00
Turnip	"	.75 to 1.00
Fine Mixed Tulips		2.00 per doz.
Hyacinths mixed		2.50 " "
Crocus		.75 " "

In 1826 G. T. & Son purchased the Friends' meeting house in Liberty street; the house had been occupied by the Society of Friends' (Quakers) "as a place of burial, school and meeting house for upwards of 140 years." This house is described in the Thorburn catalogue of 1827 as "a commodious two-story brick building, 40x60 feet, lighted with 20 windows."

This "commodious" building contained as well as a large assortment of seeds and bulbs a valuable assortment of song birds—"to the inspection of our whole collection, the public is welcome, every lawful day from sunrise to sunset." The catalogues of the firm between 1827 and 1844 were destroyed by mice.

In 1844 we find the firm James M. Thorburn & Co., at 15 John street, near Broadway, garden and greenhouses at Astoria, L. I., six miles from New York on the banks of the East river near Hurlgate. Stages to Astoria at that time ran several times daily "from Chatham street opposite the city hall," and prospective customers were given at the end of catalogues precise directions (of which above is an extract) as to how to get to the greenhouses with the assurance that the precise plant selected would be sent "carefully packed, to any part of the U. S. or West Indies." Up to this time the Thorburn catalogue was a small volume, indeed measuring only 7½x4½ inches and containing only 60 pages. Yet the assortment of seeds of all kinds including tree and shrub seeds which has continued to be a specialty with the firm, was quite large and cultural direction were given quite exhaustively. In 1865 we notice the price of Daniel O'Rourke peas at $14.00 per bushel. Advancer $1.00 per quart, Champion of England, $12.00 per bushel.

In 1864 the firm introduced the popular New White Peach Blow potato, a variety which in its day, represented the highest achievement in the improvement of the potato. In 1865 we notice listed for the first time Carter's First Crop peas at $2.00 per quart and in 1866 McLean's Little Gem at $45.00 per bushel. We also notice Yorkshire Hero priced at $20.00 per bushel, McLean Advancer $20.00 per bushel, Champion of England, $9.00 per bushel.

In 1867 the firm began to specialize particularly grass seeds and its catalogue of that year gave very comprehensive instructions for the formation of lawns from seed. The varieties of grasses listed as far back as 1865 included about 35 varieties. Since then special attention has been given this subject and the grass seed end of its business is ever on the increase. In 1870 was first listed a collection of "novelties," etc., under which head we find Conover Colossal asparagus, New Egyptian Blood turnip beet, Crosby sweet corn and Alpha peas.

In 1871 hand lawn mowers were quoted and appeared in the catalogue for first time. 14-inch at $25.00. 18-inch at $30.00. In 1872 was introduced Thorburn's Late Rose potato, an unrivalled winter sort of that day. We have not spoken of flower seeds, the firm having issued

special catalogues of flower seeds only up to 1878, when their catalogue embraced seeds for all purposes. In 1878 was introduced by Thorburn & Co. the ever popular potato, Beauty of Hebron, and in the same year Thorburn's First and Best pears. In 1881 came the White Elephant potato, also this firm's own introduction.

In 1882 the Challenger lima beans first appeared; they commanded a price quite high. $1.00 per quart, $25.00 per bushel. In 1867 the firm listed for the first time Trimble's sugar corn, which was carried along for a number of years until 1882, when it took its new and better known name, Ne Plus Ultra. The Country Gentleman variety, now so well known, was first catalogued in 1893, so that this popular late variety is their own introduction.

In 1886 the Thorburn potato was introduced. In 1887 Oemler's Triumph

Seed trade continued page 562.

ARAUCARIA IMBRICATA FRESH SEEDS

Just received from Araucania, direct importation. Splendid conditions. Complete success. **The Most Attractive Hardy Tree.** Very convenient for avenues, alleys parks, pleasure grounds, colonies, etc. Price, packing free, $10.00 per 1000. **Funtumia elastica** (silk rubber) rare seeds, known as a rapid grower of superior quality, $5.00 per 1000.

JULES VAN MOL, BRUSSELS, BELGIUM. Rue Goffart 27.

PANSIES.

International, fine strain: **English Prize, Parisian,** finely variegated and shaded: also **Giant Trimardeau,** all colors and striped; also **Odier,** beautifully spotted. **$3.00** per 1000; **50c** per 100, by mail.

F. A BALLER, Bloomington, Ill.

BURPEE'S SEEDS PHILADELPHIA.

Wholesale Price List for Florists and Market Gardeners.

PEAS.

PRIME SAMPLES. BEST STOCKS.

We can offer at low prices, F. O. B London: American Wonder, Autocrat, Consummate, Duke of York, Alaska, Dwarf Telephone, Daisy, English Wonder, Sutton's Excelsior, Sutton's Green Gem, Glory of Devon, Gradus, Ne Plus Ultra, Prince of Wales, Rentpayer, Stratagem, Senator, Stanley, Telephone, Triumph, The Gladstone, Sherwood, Thomas Laxton, William Hurst.

W. W. JOHNSON & SON, Ltd.
BOSTON, ENGLAND.

J. STAER, Nurseryman and Seedsman,
WAHROONGA, New South Wales, AUSTRALIA.

Collector of Australian and Island Seeds and Plants. Palms, Ferns, Platyceriums, Orchids, Eucalyptus, ornamental trees and shrubs.

PALM SEEDS.

	Per 1000		Per 1000
Kentia Forsteriana	$1.25	Livistona Australis	.50
" Belmoreana	1.25	Bacularia Monostachya	1.50
" Canterburyana	3.00	Calamus Muelleri	1.50
" Moorei	12.00	Gymnostachys Anceps	2.00
Areca Baueri	1.00		
Seaforthia Elegans	.50		

TREE SEEDS.

Castanospermum Australe.....$5.00 per 1000
Araucaria Excelsa..... 1.25 per 1000

ALL FALL BULBS

Florists and Seedsmen will be safe in sending us at this time orders for all their needs (excepting L. Harrisii, L. Candidum and Callas). We have a very full supply of all the above stock both at Chicago and New York.

VAUGHAN'S SEED STORE
84-86 Randolph St., CHICAGO. 14 Barclay St., NEW YORK.
Greenhouses and Nurseries: Western Springs, Ill.

Please mention the American Florist when writing.

NOW READY.

EASTER LILIES

Should be potted at once, as Easter is early in the year.

Japan stocks are now arriving, and are in first-class shape.

Japan Longiflorum,	7 to 9 in. bulbs, case of 300 bulbs	$14.25
" "	9 to 10 in. bulbs, case of 200 bulbs	15.00
" " **Multiflorum,**	7 to 9 in. bulbs, case of 300 bulbs	15.00
" " "	9 to 10 in. bulbs, case of 200 bulbs	17.00
" " **Giganteum,**	7 to 9 in bulbs, case of 300 bulbs	18.75
" "	9 to 10 in. bulbs, case of 200 bulbs	21.00
Lilium Candidum, selected bulbs		$5.00 per 100

A FEW OF THE LEADING NARCISSI.

	Per 1000
Paper White Grandiflora, 13-15 cm., fine bulbs, case of 1250 bulbs	$11.25
Double Von Sion, first size	$ 9.00
" " " extra size	12.00
" " " mammoth double-nosed, or top-root	20.00
Princeps, early, single, fine bulbs	7.00

	Per 1000
WHITE ROMAN HYACINTHS, 12-15 cm.	$23.00
" " 13-15 cm.	28.00
FREESIA REFRACTA ALBA, finest Bermuda bulbs	7.50

	Per 1000
Golden Spur, the favorite single yellow	$18.00
Empress, a grand bi-color	20.00
Alba Plena Odorata	6.00
Barri Conspicuus	8.00
Poeticus	4.50
Poeticus Ornatus	7.00

	Per 1000
BERMUDA BUTTERCUP OXALIS	$7.50
SPANISH IRIS, four best sorts	5.00
" " mixed	2.50

For other bulbs and for smaller quantities, see our Wholesale Price List, in which will be found a full assortment of all kinds of bulbs for winter and spring flowering. Send for list if you have not already received one.

F. R. PIERSON CO., Tarrytown-on-Hudson, N.Y.

The Nursery Trade

American Association of Nurserymen.
Orlando Harrison, Berlin, Md., President; J. W Hill, Des Moines, Ia., Vice-President; George C. Seager, Rochester N. Y., Sec'y.
Thirty-second annual convention, Detroit, Mich., June, 1907.

"Oh, sweet it was and fair it was
In the green woods today,
With only the tree-tops bending near
And all the world away."

PROF. VAN DEMAN, the well known pomologist, states an attempt is being made to have the postoffice department issue a fraud order against the original Spencer Seedless Apple Co.

A FLORAL RAILWAY DEVICE—"Tickets, please," is a legend wrought in flowers to be seen in the border at a station on the Northeastern railway between Thirsk and York.—Gardening World.

SYRACUSE, N. Y.—After hearing from the park commission the plans outlined for developing a park and boulevard system in and about Syracuse and arguments in favor of the employment of Geo. E. Kessler of Kansas City as landscape architect and a resolution was adopted to that effect. Under the ordinance Mr. Kessler's employment dates from October 1 this year. He is to receive $3,500 for the first year and $2,000 for each of the succeeding years.

Japanese Maples.

Nearly everyone admires the Japanese maples. They are particularly attractive when their leaves first unfold; in fact that is the time of year when they seem even more beautiful than when the foliage is changing in the autumn. At these times Japanese maples are at their best although they are attractive throughout the season. Japanese maples vary in height from four to eight feet, when they are shrub-like in character, to small trees attaining a height of 20 or 25 feet. In landscape gardening their value is appreciated as testified by the frequency with which they are met. A favorite location for them seems to be near the dwelling or in some of the more favored parts of the grounds. Not only is the foliage attractive but they have a wide range of leaf forms, varying from broad, palmate leaves to the nearly dissected leaves. The color also varies from light yellow to a deep wine red.

The nomenclature of Japanese maples is somewhat mixed, but the varieties are easily distinguished by the character of the leaves. For instance, what many know as Acer Japonicum is really A. palmatum and this again is frequently called A. polymorphum. A. Japonicum has from 11 to 13 lobes in the leaves and includes one or two varieties, as variety aureum and macrophyllum. A. palmatum, however, has from five to seven lobes in the leaf and includes a number of varieties of great merit, some of the best of which are atropurpureum, atrolineare, dissectum, ornatum and sanguineum, all of which are reliably hardy as far north as Massachusetts. Such varieties as reticulatum, crispum, and versicolor are too tender to be satisfactory. Japanese maples are well adapted to planting as individual specimens but it is, perhaps, in a group that they are more appreciated, as the contrast of color and diversity of foliage is more pronounced. Many persons seem to think they are of slow growth. The accompanying illustrations show a growth covering a period of five years. It will be seen that the plants are well placed and are by no means slow of growth. What could have been better for the position they now occupy? They give the grounds and house an atmosphere of privacy, but will never attain sufficent height to cut off the view or air. Give them good soil, stir the ground about them until they are well established, encourage them in their earlier stages and enjoy the results.

FRANCIS CANNING.

Cincinnati.

STOCK SCARCE.

A general scarcity of stock the past week with very little doing is the report from the wholesale district. All the retailers are complaining of poor business but if there had been any demand they would have to skirmish around to get flowers. True, there was some good stock coming in, but shipping trade consumed nearly all of this. Chrysanthemums have not arrived as yet which no doubt can be attributed to the dark, cool weather we have been having, with plenty of rain and but very little sun. Carnations are very scarce with a demand that takes up everything that comes along in this line. There are plenty of short-stemmed roses, which clean up every day, simply because there are no other flowers that can be used for work. American Beauty has the call and is of fine quality. Cosmos and dahlias are about the only thing in outdoor flowers. Green goods are plentiful.

NOTES.

The next meeting of the Florists' Society will be held October 13, at 8 p. m. At this meeting it will be decided whether or not the flower shows will be continued during the season. All that can come should do so and give their opinion.

C. J. Jones, of the Walnut Hill Floral Bazaar, had the decorations for the Kershaw-Price wedding last Wednesday, which was an elaborate affair and used up immense quantities of American Beauty.

Wm. Murphy has returned from his vacation in the woods of Michigan, having left the hay fever there. Will looks well and his trip has been of benefit to him.

Wm. Dittmann, of New Castle, Ind., is shipping a nice lot of American Beauty to this city, which meets with a ready sale.

Henry Glins, who has had a long siege of sickness, is able to be about again, but plainly shows what a tussle he has had.

Will Gardener, the right hand man of Peter Olinger, is back from New Castle, Ind.

Chas. Critchell spent a few days at Lexington, Ky., the past week.

ALEX.

GOSHEN, IND.—The Goshen Floral Co. has purchased the Santschi & Sons' greenhouse and stock. The entire plant will be removed to the West Pike street place.

VALPARAISO, IND.—A. Londenberg & Son, of Hobart, have just completed their new plant at this place, consisting of about 4,500 feet of glass, at 55 and 57 Indiana avenue, opposite the court house. They grow carnations and a general line of plants and report a good business.

PHILADELPHIA, PA.—Wm. S. Maull, 6631 Landsdowne avenue, receiver for L. K. Peacock, Inc., states that legal complications have arisen over some few claims which have caused delay in settlement. If the expenses caused by these complications do not become excessive, there ought to be a dividend of 40 to 45 per cent.

LOGANSPORT, IND.—John A Newby & Son have built another house this year, 30x111 feet. The John C. Moninger Co., of Chicago, did the work. This house is planted in American Beauty, Bride and Bridesmaid roses. This firm also cuts a large crop of Kaiserin. Several other houses are planted with roses and carnations, one house to chrysanthemums and other houses with flowering plants.

ROSE PLANTS
Out of 2½-inch pots.
As strong, as good and as well rooted as anyone grows, $20.00 per 1000. Send for list.
C. M. NIUFFER, SPRINGFIELD, OHIO.

PETER LAMBERT
TRIER, Germany.
ROSES Strong, field-grown bedding and forcing varieties. **Best Novelties.** **FRAU K. DRUSCHKI** (the best white hybrid). 2 yrs., extra large plants. 40 000 for fall. $80.00 per 1000; **Soleil d' Or,** $8.00 per 100; **Tepitz,** $8.00; **Etoile de France,** $25.00 per 100. Catalogue on application.

Climbing Clothilde Soupert, Marie Pavic, Crimson Rambler and Dorothy Perkins **ROSES**
Grafted Oranges and Kin Kans, Palms, Biota Aurea Nana, Conifers and other stock for Florists and Nurserymen,
IN IMMENSE QUANTITIES.
400 acres in Nurseries. 60,000 feet of glass. Catalog on application.
P. J. BERCKMANS CO. (Inc.) Fruitland Nurseries
Established 1856. AUGUSTA, GA.

Special Prices on SURPLUS NURSERY STOCK

	10	100
Betula populifolia (White Birch), heavily branched to the ground, 8 to 10	$5.00	$45.00
Betula populifolia, 10 to 12	7.00	65.00
Populus fastigiata (Lombardy Poplar), branched from the ground, each tree a specimen, 16 to 18	12.50	110.00
Platanus occidentalis (Sycamore), every tree perfectly branched to produce immediate effect, 12 to 14	15.00	100.00
Euonymus Americanus (Burning Bush), 4 to 5	2.00	16.00
Ligustrum ovalifolium (California Privet). All our Privet is transplanted and grown far enough apart to make choice bushy plants, 3 to 4	.50	4.50
Ligustrum ovalifolium, 4 to 5	.65	6.00
Ligustrum ovalifolium, 5 to 6	.80	7.50
Ligustrum ovalifolium, 7 to 8	1.20	10.00
Aster Novae Angliae, field-grown, 2-yr. old	.40	3.00
Rudbeckia laciniata (Golden Glow), 2-yr. old	.40	3.00
Dianthus barbatus (Sweet William), 2-yr. old	.50	3.50
Dianthus Chinensis grandiflora. 2-yr. yr. old	.50	4.00
Calliopsis lanceolata, 2-yr. old	.40	3.00
Phlox, white, red and pink, separate, 2-yr. old	.50	4.00
Phlox, mixed seedlings, choice colors, 2 yr. old	.40	3.00

Valley Farms Nursery Co., Brookfield Center, Conn.

Rose Baby Rambler

XXX

Our plants are last year's propagation and have had a full season's growth. Extra fine, bushy. $12.00 per 100. Special price in quantity.

Send for Fall List of Florists' Bargains.

Nathan Smith & Son, ADRIAN, MICH.

D. and C. Roses Are the cheapest because they are the best. We have in stock over 1,000 varieties on own roots including all the New European and American varieties of merit, as well as all the old varieties. All sizes from 2½-inch pots up. We can also offer 40 of the leading and newest varieties of Cannas including Mont Blanc, also miscellaneous lists of Plants and Shrubbery, at prices that will make it worth your while to send us your lists for quotations before buying elsewhere. Send for a copy of Our New Guide to Rose Culture, for 1906, a handsome book of 116 pages. Free for the asking.

The DINGEE & CONARD CO., West Grove, Pa.
Established 1850. 70 Greenhouses.

Special offer of PEONIES

For September

Florists' assortment of six choice proved kinds, named, including Queen Victoria and Delicatissima, all colors from white to crimson, for $8.00 per 100, $75.00 per 1000. Packed free.
Write for catalogue.

F. A. BALLER, Bloomington, Ill.

PEONIES.

Queen Victoria (Whitleyii),	per 100	$ 9.00
Festiva Maxima,	per 100	30.00
Fragrans, "Late Rose"	per 100	6.00

Large stock of M. L. Rhubarb and Lucretia Dewberry Plants.
For 1000 rates and other varieties, write

GILBERT H. WILD, Sarcoxie, Mo.

——NOW IS THE TIME TO PLANT——

Herbaceous Perennials

We have a very large stock of **Phlox, Iris, Pinks, etc.**

Send for Price List.

VICK & HILL CO., P. O. box 613, ROCHESTER, N. Y.

Jacs Smits, Ltd. NAARDEN, (Holland.

GROWERS OF
Rhododendrons, Axaleas, pot grown Shrubs for forcing, Lily of the Valley, Spiræa, Paeonias, Roses, Climbing Plants, good varieties of Conifers and all ornamental stock.

Personal Inspection Cordially Invited.
R. R. Depot, NAARDEN-BUSSUM, near Amsterdam.
Price list free on demand.

FALL SPECIALTIES.

DRACAENA INDIVISA. Field-grown, 5-inch pot size, $15.00 per 100; 6-inch pot size, $25.00 per 100.

CHRISTMAS PEPPER. Set full of young fruit, 4-inch pots, $12.00 per 100.

PEONY. Dorchester, 3 to 6 eye divisions, latest and best paying clear pink, about shade of Daybreak carnation. $25.00 per 100.

PEONY. Queen Victoria, best cut flower, white, 3 to 6 eye divisions, $10.00 per 100; $90.00 per 1000.

BOUGAINVILLEA GLABRA SANDERIANA. Beautiful plants, bushy and nicely rounded, 4-inch pot plants, $20.00 per 100.

HYBRID ROSES. Extra size Magna Charta, best possible condition for winter forcing in pots, strong 2-year field-grown, $12.00 per 100.

POINSETTIAS. 2½-inch, $4.00 per 100.

ROMAN HYACINTHS. 12 to 15, $2.20 per 100.

Write for prices on large lots.

Send for Catalogue No. 5 for full list of Bulbs, Seeds and Plants.

THE STORRS & HARRISON CO.

PAINESVILLE, - OHIO.

HIBISCUS SYRIACUS MEEHANII

WE now offer to the trade our new hardy variegated leaf Hibiscus Syriacus Meehanii. This plant attracted much attention when exhibited at the American Nurserymen's Convention at West Baden, Ind., and American Florists' Exhibition at Asheville, N. C. Foliage beautifully variegated; never sun-scalds or reverts to the green; flowers single, very large, satiny lavender; blooms during four months; prices on application. Orders booked now.

P. J. BERCKMANS CO., Inc., Fruitland Nurseries, AUGUSTA, GA.

Please mention the American Florist when writing.

SEASONABLE STOCK FOR FLORISTS.

HYDRANGEAS FOR FORCING Otaksa and Thos. Hogg

With 7-12 flowering crowns	$12.00 per 100
With 5-6 flowering crowns	9.00 per 100
With 4 flowering crowns	7.00 per 100

From 6-inch pots and open beds; all out-door grown.

ROSES—Strong, 2-years, field-grown, selected for forcing.

Hybrid Perpetuals	$10.00 and $12.00 per 100
Crimson Rambler	9.00 per 100
Dorothy Perkins	7.00 per 100

And **LADY GAY,** a new hardy climbing rose of exceptional merit; ready now, from 2½-inch pots only. Write for prices.

JACKSON & PERKINS CO., Nurserymen and Florists, Wholesale Only, **Newark,** Wayne County, **New York.**

HERBACEOUS PERENNIALS

for Autumn Planting. We offer nine hundred and sixty-seven varieties of strong, field-grown plants.

Send for Catalog and Trade List.

BAY STATE NURSERIES, North Abington, Mass.

NOW READY **FALL LIST** 101 SORTS

Don't buy **ROSES** without submitting your approximate want list to

THE LEEDLE FLORAL COMPANY, SPRINGFIELD, OHIO.

Send to **THE MOON Company** For Your { Trees, Shrubs, Vines and Small Fruits.

Descriptive Illustrated Catalogue Free
THE WM. H. MOON CO.,
Morrisville, Pa.

TREES AND SHRUBS.

We make especially low prices on **Nursery Stock** to Parks, Cemeteries, etc. Wholesale price-list on application. We carry immense quantities of the finest named varieties of

PEONIES.

PETERSON NURSERY 503 W. Peterson Ave. CHICAGO, ILL.

Please mention the American Florist when writing.

LARGE TREES.

OAKS and MAPLES.
PINES and HEMLOCKS.
ANDORRA NURSERIES,
Wm. Warner Harper, Prop.
Chestnut Hill, PHILA, PA

For Best Results advertisers should mail new advertisements so as to reach us Monday.

WITH THE GROWERS

Cottage Gardens Co., Queens, N. Y.

Visitors to the establishment of the Cottage Gardens Co., Queens, L. I., N. Y., who have not been there recently, will be somewhat surprised to note the improvements made. The first thing to meet the eye is a handsome new office building in the Elizabethan style of architecture. The lower floor is devoted to office uses, there being a large general office, three or four private offices, and a large reception hall, with some smaller apartments. The second floor contains the department for landscape architecture, artists' quarters, a large dining or entertainment room, a catalogue and storage room, and living rooms for the caretaker.

The dining room is to be used for the service of meals to the office staff, and for the general entertainment of special visitors and guests. In connection with the provisions made for the comfort of guests is a service automobile to and from the railroad depot. Fronting on the large lawn is a new Lord & Burnham 46x300-foot greenhouse, and this with the new building gives a grand frontage to the establishment. The lawn is to be redesigned and planted to specimen groups of evergreens, and at each end will be an ornamental entrance leading to the office door. Formal gardens, tennis court and many accessories demonstrating correct and pleasing uses of plants in ornamental gardening will be added to the grounds.

This season the greenhouses have all been benched with carnations to be grown for cut blooms entirely. Only in rare cases will there be any further dissemination of varieties. Two 150-foot houses of Robert Craig look very fine, the last pinching of buds in one having been made. A small house adjoining and a 150-foot house are filled with fine Enchantress stock. A large bench of Enchantress is also seen in another 150-foot house with a bench of Fisher's pink seedling, and another bench of a seedling of C. W. Ward's. The Fisher stock shows up very nicely, throwing out quantities of strong side shoots. Another 150-foot house is benched with Evangeline, Alma Ward and Mrs. C. W. Ward, and another contains Mrs. Patten, and a new crimson seedling which appears to be a quick and very free grower. A fine white seedling fills two 150-foot houses. This variety is a wonderfully free grower, and it is said a small trial house of it last season produced in one week 1,560 cut blooms at a time when they commanded unusually high prices. A similar house is benched with Lieut. Peary, and a bench of another white seedling of C. W. Ward's. Another is filled with Mrs. Patten.

A new 235-foot house is planted with four benches of Fisher's new scarlet variety, Beacon and four benches of Robt. Craig. Beacon looks exceedingly well. Four weeks after benching it shows lots of fine flowering shoots. In the same house are some fine benches of Elsa. The benches in the new houses are of concrete with tile bottoms and cypress bench borders. Another new Lord & Burnham house is filled with the white seedling already mentioned and sufficiently advanced to produce blooms of good quality. There is a house of Octoroon, which is the favorite crimson and found to be a good staple bloomer. Two 150-foot houses are further devoted to Mrs. C. W. Ward, and near it is another benched with Robt. Craig. Two 250-foot houses are filled with Mr. Ward's dark rose seedling Elsa, winner of last year's Lawson gold medal, four benches in one being occupied with a carmine seedling of the habit, growth and freedom of bloom of Scott. The largest, a 300-foot house, is utilized for Alma Ward, an undisseminated variety with the exception of a trial bench for seedlings.

Considerable improvement is under way in the nursery department. The 110 acres comprising the home grounds are being laid out in avenues and drives so that a visitor can inspect most of the stock without leaving his conveyance. An avenue of about a quarter of a mile has already a deep border both sides of its length composed of fine groupings of different varieties of evergreens from the general stock. These are practically sample grounds and obviate generally the necessity for going through the whole nursery. A fine lot of Koster compact blue spruce is to be seen and there is a grand lot of Japanese azaleas. Retinosporas will attract the attention of every visitor. They are growing along here in larger sizes and handsomer shapes than are commonly seen. They are planted four to five feet apart in order to give them every opportunity for development. A long row of five-foot specimens of the variety filifera aurea and another of R. gracilis nana aurea in 4-foot specimens are very striking. There are also to be seen a number of Japanese larches. Larix Kæmpferi, fine 4 to 6-foot stock. Cedrus Atlantica glauca is noticed among the conifers, some of the specimens reaching 20 feet in height. This variety is fine for mixed planting, affording beautiful contrasts, and is perfectly lovely. A large stock of splendid specimens of Sciadopytis verticallata, ranging from 4 to 16 feet in length is also carried. Two and 3-inch stock in Norway maples is also noticed. Perhaps a rather unusual sight is a grouping of English and Irish yews, these trees not being generally supposed hardy in this section. They stood out all last winter, however, and are in grand condition.

The peony grounds are very extensive, the available stock running over 100,000, in 450 varieties. Many rare varieties are in very large supply. Digging for shipment of peonies commenced about September 1. More than ordinary attention is paid to the demand for rhododendrons. The plantings aggregate 20 acres, and cover only such varieties as have proven perfectly hardy, about 15 varieties in all sizes, many of them grown in blocks under such conditions as to give a practical idea of the value of these plants in a variety of situations. They are all nursery grown, and not to be compared with collected stock. The catalogue list embraces the finest hardy hybrid varieties known to the trade. A large storage shed 40 x 250 feet with glass side and roof has been supplemented by another, with glass skylight only 40 x 200 feet, and preparations are being made for building another twice the size.

In the herbaceons grounds considerable rearrangement is in progress, and preparations are made to extend this department. The collection of 25 of the best varieties of phlox is now to be seen in its glory. In the busy season about 75 men are employed in the nursery and about 40 in the summer time.

The sales and landscape department are in charge of R. T. Brown, formerly with the Wagner Park Conservatories.

The nursery growing is in charge of Joseph Dauphin, formerly with Messrs. Croux & Fils, Chatenay, near Paris, France, and the carnation department is under the care of Marius Matheron, who has been Mr. Ward's right-hand man for the past nine years, assisting in the development of the Cottage Gardens' strain of carnations as well as the new methods of growing them.

New Orleans.

BUSINESS CONTINUOUSLY INCREASING.

The recent storm, raging all over the gulf coast passed over New Orleans without doing any damage to the local florists with the exception of a few broken panes of glass. The same can be said of the small sized cyclone which struck a section of the upper part of the city on October 5. Wassend and Milmburg, the two beautiful summer resorts on Lake Pontchartrain near the city and well known to all florists visiting the southern metropolis, suffered great loss, so did a great many truck farmers in the lower section of the town and on the lower coast. The weather at present is warm but very changeable, yet greatly beneficial to everything grown in and outdoors. The chrysanthemums are at present showing color and in the finest condition possible; an immense crop of these flowers is in prospect. The business is gradually increasing and the colder weather up north brings the tourists back more rapidly. Everywhere great preparations are made for the coming All Saints' day on November 1. Certainly one of our ideal clear and warm winter days is needed to make this principal event of the day a financial success.

NOTES.

Joseph A. Schindler & Co., opened an elegant branch store at 833 Canal street. The firm intends to conduct this place as an up-to-date flower store. Mr. Schindler's remarkable popularity socially and fraternally besides his strictly fair business methods are bound to make this new venture a success. Richard Eichling, formerly with U. J. Virgin and of late with Wm. Rehm, is the manager of this new store. He established a record years ago as a designer of striking originality and graceful workmanship.

The Metairie Ridge Nursery Co. opened their new store, situated on Carondelet street, near Canal, October 6. It is at present one of the finest establishments of its kind in the city. Harry Papworth, the genial president of the Metairie Ridge Nursery Co., is all smiles over the anticipation of the coming season, because he has the stock and the place to sell it. CRESCENT.

QUINCY, MASS.—Arnold & Johnson have added a neat electric sign to the front of their store.

OUR NEW OFFICES AND PROPOSED PLANTING SCHEME.

THE continued demand of landscape architects, gardeners and the general trade for specimen nursery stock to produce immediate effects has made it necessary for us to add heavily to our planting each year, until we have now over one hundred (100) acres devoted to the growing of this class of stock alone. All of this stock has been carefully transplanted every two or three years, so that each tree is supplied with a large mass of fiberous roots. They have also been allowed ample space in the nursery row to develop symmetrical tops. The superiority of this stock is easily recognized by our most critical patrons, who as a rule, visit our nursery in person and select the specimens. It is stock such as described above that has made the COTTAGE GARDENS COMPANY famous for its specimen trees, shrubs and evergreens. We have in our nursery large blocks of specimen deciduous trees, ranging from two to six inches in caliper. Amongst these are **NORWAY SUGAR** and **SCHWEDLER MAPLES, ORIENTAL PINES, LINDENS, ELMS, BIRCH,** and a great variety of **OAKS.** We have also a great many thousands of specimen evergreens, amongst which will be found the following: **ABIES, PICEAS, PINES, RETINOSPORAS, JUNIPERS, TAXUS, THUYAS, BIOTAS** and **BOXWOODS,** each species being represented by all the desirable varieties.

RHODODENDRONS

We have over 100,000 of these in well established plants, 50,000 of which are hardy Catawbiense hybrids in twenty of the best varieties. These plants run in height from two to four feet, well set with buds.

AZALEAS are another feature of our nursery, having some 10,000 of these in the following choice varieties: **AMOENA, HINODIGERA, INDICA ALBA, FUJIMANGO, DAVIESI, VASEYI, VISCOSA, NARCISSIFLORA, SCHLIPPENBACHI,** and many other varieties.

PEONIES AND PHLOX

In addition to our general collection of herbacous plants, we make a specialty of these two most useful of all varieties. Out of several hundred of the best sorts, we have after years of careful study, reserved on our list only the most desirable, and have this year planted 250,000 Peonies alone, which is without exception the largest collection of Peonies in the world.

THE COTTAGE GARDENS COMPANY

is now in a better position than ever to fill your wants, and if you are doing a business that requires a high-grade of stock, we invite you to visit our nursery, where you will find the most complete assortment of specimens to be found on this continent, some of which are very rare.

OUR NURSERIES are situated about twelve miles from City Hall, New York, and are easily reached by the Long Island Railroad. Notify us of you coming, and we will meet you with a conveyance at the depot.

PRICE LIST WILL BE SENT UPON APPLICATION.

COTTAGE GARDENS COMPANY,

Telephone 530 Jamaica. **QUEENS, N. Y.**

Syracuse, N. Y.

Carnations are scarce and as a rule of inferior growth which is due somewhat to the warm weather of September. Roses are doing well and a good stock is selling better than it would had the carnations been more plentiful. The weather up to now has been very warm and no frost to amount to anything has been seen.

NOTES.

P. R. Quinlan & Co. have nearly completed the building which they have been erecting this summer, including a 50-foot addition to each of six carnation houses and a new 250-foot American Beauty house, a new 250-foot propagating house and a 50-foot coal house. They are also installing a large new boiler, a duplicate of the one which they have already. This concern has a magnificent house of chrysanthemums, the condition and assortment of which has never been equalled by a Syracuse grower. The violet house has been planted and blooms will be cut inside of two weeks. The cutting of American Beauty has begun.

The first chrysanthemums of the season were displayed in Henry Morris' store Saturday night. Mr. Morris also has a display of carnations from which he has been cutting for the past month. Another thing of which Mr. Morris is quite proud is the house of sweet peas just coming into bloom.

Bard & Davis, the Whedons and Henry Burt have all been doing splendid business this season. Help has been somewhat scarce owing to the prosperity of the country which has caused all the available men to be hired.

A. J. B.

MOBILE, ALA.—Mrs. John Goodbrad reports that the recent storm has left her with scarcely a whole pane of glass, but has strong hopes that everything will soon be all right again.

WATCH US GROW.

Araucaria Excelsa

The Best of All Decorative Plants Nature Produces

OUR SPECIALTY.

Every man in business and life to be successful must adopt one thing as his specialty, and that specialty, whatever he select, of whatever nature it may be, he must guard, study and push to such an extent that it not only benefits himself, but he must conduct it so that everyone who seeks his aid, service or his article, which he advertises or practices, will share a slice of his activity and prosperity. I made the importation and cultivation of Araucarias as a special study in my life. The figures below will show my success in business: In the first year I commenced with an importation of 250. In the eleventh year now, 1906, my importations have grown up to 6,000 (come and see it), and on account of the Araucaria growing yearly more in favor by the plant consuming people all over the country, as a much admired decorative plant for the parlor, bed, dining and sitting room, stores, hotels, lawns and porches the outlook will be for an importation at least of 8,000 to 10,000 in spring of 1907. To secure this vast amount for 1907, I am now on the ocean, per steamer New Amsterdam, leaving Hoboken Aug. 15, striking for Belgium, making contract for next year, 1907. I also shall at the same time bring over with me a large lot of choice Azalea Indica and Palms, etc., for Christmas and Easter flowering. No money will be spared in obtaining for my customers the cream of the Belgium greenhouses only.

Please note lowest prices now going on for August and September:

Araucaria Excelsa.

12 to 14 in. high, 5½-in. pots, 3 to 4 trs., 2 yr. old.$ .50
12 to 14 in. high, 5½-in. pots, 3 to 4 trs., 2 yr. old. .60
16 to 18 in. high, 5½ to 6 in. pots, 3 to 4 trs., 3 yr. old ..... .75
18 to 20 in. high, 6-in. pots, 5 to 6 trs., 4 yr. old.. 1.00
20 to 24 in. high, 6-in. pots 5 to 6 trs., 4 yr. old.. 1.25
36 to 50 in. specimen, 7-in pots, 6 yr. old, $2.50 to 3.00

Araucaria Compacta Robusta, have 1000 of them, never were so nice as this year. Plants are as broad as long, from 12 to 20 in. in height, 3 to 4 perfect tiers, 20 to 30 in. wide across from one tip of tiers to the other, 3, 4 and 5 years old, 6 to 7-in. pots $1.25, $1.50, $1.75, $2.00, up to $3.00 each.

Araucaria Excelsa Glauca, are perfect jewels in shape and size; their beautiful green-blue tiers make them of such a striking appearance that everybody seeing them must fall in love with them on sight, and cannot help it. Plants, 6 to 7 in. pots, 3, 4 and 5 perfect tiers, 15 to 25 in. in height, from 15 to 30 in. across, $1.25 $1.50, $1.75, $2.00 to $2 50 each.

Please bear in mind these mentioned varieties are the cream of Belgium importations. We have thousands of them: can meet all demands.

Kentia Forsteriana, 6-in. pots, 35 to 40 in. high, 5 to 6 leaves, 4 years old, $1.25 to $1.50; 30 to 35 in. high, 4 years old, 6 in. pots, $1.00; 5½-in. pots, 25 to 30 in. high, 3 years old, 75c; 4-in. pots, made up with three plants, 18 to 20 in. high, 25 to 30c. **Belmoreana,** 6 in. pots, 4 years old, 5 to 6 leaves, bushy, 30 to 35 in. high, $1.25; 5½ to 6 in. pots, 3 years old, 5 to 6 leaves, 75c to $1.00 each. Above are the sizes entered in the custom house. **Kentia Forsteriana,** 7-in. pots, made up plants, on elarge in center, three smaller sizes, about 22 to 24 in. high, price $2.00 each.

OUR LITTLE PETS.

By Aschmann, in Philadelphia, I bought
An Araucaria, a pet for our little girl—
Now we have two pets, the pride of our thought,
The little girl so sweet a head full of curls,
And the Araucaria with their everlasting green—
A more joyful home you never have seen.

Nephrolepis Barrowsii, 6-in., large, ready for 7-8 in. 50c; 4-in., large, 25c.

Nephrolepis Scottii, 6-in. pots, large, ready for 7-8 in., 50c; 5½-in., 40c; 5 in., 35c; 4-in., 20c to 25c.

Boston Ferns, 4-in., 20c to 25c: have them by the 1000.

Asparagus Plumosus Nanus, 4-in. 10c.

Chinese Primroses, in 4-in pots, ready to shift into 5-in. pots, will bloom for Christmas, $8.00 per 100.

Cocos Weddelliana, 15c.

Areca Lutescens, made-up plants, 4-inch pots, 25c.

Ficus Elastica, Belgian importation, 6-in. pots, 50c each.

Ferns. A fine assortment of Ferns for dishes, large, bushy, out of 2½-inch pots, $5.00 per 100; 3-inch, 7c each.

All goods must travel at purchaser's risk. Cash with order, please.

GODFREY ASCHMANN, Importer and Wholesale Grower of Pot Plants, 1012 Ontario St., PHILADELPHIA, PA.

We Will Cut 20,000
Cattleya Labiata

Flowers, also plants in bloom, all at the lowest market prices.

Siebrecht & Son,
ROSEHILL NURSERIES,
NEW ROCHELLE, N. Y.

Now is the Time
to Subscribe to the
Horticultural Trade Journal

Published weekly. The Largest Brightest, and Best British Trade Publication. Also

THE INTERNATIONAL EDITION

Published quarterly. Annual subscription for weekly and quarterly numbers, One dollar, (International money order). Subscribe to-day and keep in touch with European markets and topics.

THE HORTICULTURAL PRINTING COMPANY,
BURNLEY, ENGLAND.

GOOD FERNS CHEAP

	Per 100
BOSTONS, strong runners	$ 2 00
" from 5-in. pots	25.00
" from 6-in. pots	40.00
" from 7-in. pots	60.00
" from 8-in. pots	75 00
" from 10-in. pots,	$1.50 each
WHITMANI, strong young plants, from bench,	$10.00 per 100.

	Per 100
PIERSONI, from 5-in. pots	$25.00
" from 6-in. pots	40.00
" from 7-in. pots	60.00
SCOTTII, from 5-in. pots	$25.00
" from 6-in. pots	40.00
" from 6-in. pots	60.00
ELEGANTISSIMA, strong, 2½-in.,	$5.00 per 100.

DAVIS BROS., Morrison, Ill.

PANSIES.

Brown's Extra Select Superb Giant Prize Pansies.

Awarded silver medal St. Louis Exposition, 1904.

Plants, mixed colors, in any quantity, $3.00 per 1000. Cash with order.

PETER BROWN,
LANCASTER, PA.

ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the

"Horticultural Advertiser"

This is the British Trade Paper, being read weekly by all the Horticultural traders; it is also taken by over 1000 of the best continental houses. Annual subscription to cover cost of postage 75c; Money orders payable at Lowdham, Notts.

Address **Editors of "H. A."**
Chilwell Nurseries, LOWDHAM, Notts, England

Please mention the American Florist when writing.

500,000 VERBENAS

60 Finest Named Varieties.

Rooted Cuttings, 75c pea 100; $6.00 per 1000
Plants, $2.50 per 100; $20.00 per 1000.

Our list is the choice from millions of seedlings. Order early.

J. L. DILLON, Bloomsburg, Pa.

ASPARAGUS

PLUMOSUS NANUS, 2-inch pots, $3.00 per 100; $25.00 per 1000, transplanted from the bench, $2 50 per 100; $20.00 per 1000.
SPRENGERI, 2-inch, $3 00 per 100; $25.00 per 1000, from bench, $2.50 per 100; $20.00 per 1000.

WM. CLARK, Colorado Springs, Col.

Please mention the American Florist when writing

RICE BROTHERS

WHOLESALE SHIPPERS of home grown Cut Flowers, prising the newest varieties of blooms. F of supplies and decorative greens. Trial order solicited. Weekly price list issued.

113 N. 6th St.,

MINNEAPOLIS, MINN.

Please mention the American Florist when writing.

H. WOODS, CHICAGO.

127 S. Water St.

We wish to buy in car lots Holly, Mistletoe, Southern Smilax, Needle Pine, Magnolia, Sago and other Palm Leaves.

Write us for prices on all lines of Holiday Greens, Holly and other wreaths, Evergreen Wreathing, etc.

WE ARE BOOKING ORDERS FOR

Nephrolepis Amerpohlii

The Sensational New Fern.
Awarded Highest Certificate of Merit at the S. A. F. Convention, 1906.

JANESVILLE FLORAL CO, Janesville, Wis.

Asparagus Crawshawi

A Beautiful Asparagus, superior to all others in many respects.

Seedlings, $3.00 per 100; $25 00 per 1000 Transplanted seedlings, $5.00 per 100; $40.00 per 1000. Sample, 10c.

JAMES CRAWSHAW, 403 Plainfield St., **PROVIDENCE, R. I.**

FERNS, IN FINE SHAPE

PIERSONI....6-in., 35c; 5-in. 25c; 4 in., 15c.
BOSTON.....5-in., 25c; 4-in., 15c.
SCOTTII.....5-in., 30c; 4.in., 20c.
ANNA FOSTER.....2½-in., 4c

All No. 1 stock. CASH PLEASE.

BENJ. CONNELL, Florist, West Grove, Pa

PANSY PLANTS.

My Giant Pansy Plants, finest in the market in size and color. Taken from the Bugnot, Masterpiece Perret, Parisian and other varieties. From my own home-grown seeds. Ready now: **$2.50** per 1000; **50c** per 100, postpaid. Send for prices on 5000 lots. Cash with order.

Double Daisies 25c per 100; by mail, 50c, postpaid.

F. A. BLINN, Cromwell, Conn.

Carnations For Sale. Strong, healthy, field-grown plants

	Per 100	1000		Per 100	1000
B. Market..	$4.00	$30.00	Harlowarden	$4.00	$35 00
Guar. Angel.	3.00	25 00	Crusader....	4.00	35.00

Sprengeri, out of 2½-in., fine stock, $4.00 per 100.

SCHEIDEN & SCHOOS,
Asbury and Warren Aves. **Evanston, Ill.**

Please mention the American Florist when writing.

NEW CROP SOUTHERN WILD SMILAX

The Man Who Gave You The Wild Smilax.

Is Now Ready for Shipment.

Twenty-four (24) hours notice necessary on telegraphic orders.

Caldwell The Woodsman Co.

EVERGREEN, ALABAMA.

WE HAVE IT! THE HIT OF THE CONVENTION!

BEAVEN'S FADELESS SHEET MOSS.

FROM THE AMERICAN FLORIST. The Judges' Report, Aug. 25.

Awards made by the judges as follows: E. A. Beaven, Evergreen, Ala., fadeless sheet moss, highly commended.

FROM THE FLORISTS' EXCHANGE, August 25, 1906.

The Awards to Miscellaneous Supplies:

Beaven, E. A., Evergreen, Ala.—Sheet moss chemically treated, a very useful article Highly Commended.

E. A. Beaven, Evergreen, Ala., attracted a great deal of attention with his exhibit of fadeless sheet moss, and also exhibited everything that is worth while in southern evergreens.

Packed in bags of 100 sq. feet. Price per bag, $3.50; New York, Philadelphia or Chicago expressage allowed. For sale by Florists' Supply Houses everywhere, or can be had direct from the introducer.

Send for Free Samples.

J. B. Deamud, Chicago, Ills., Northwestern Agent.

SOUTHERN WILD SMILAX NOW READY.

E. A. BEAVEN, - Evergreen, Ala.

Please mention the American Florist when writing.

New Crop Dagger and Fancy Ferns

$1.00 per 1000.

FOR EVERY OCCASION.

HARDY CUT DAGGER and **FANCY FERNS,** per 1000..1.00
Discount on large orders
BRILLIANT BRONZE and **GREEN GALAX,** per 1000.. 1.00
10,000 lots $7.50.
BOUQUET GREEN, per hundred yards..... 7.00
LAUREL FESTOONING, good and full, 5c to 6c per yard
LAUREL WREATHS, per dozen..... 3.00
BRANCH LAUREL, per bunch.....$ .50
BOXWOOD, per pound..... .20
LEUCOTHOE SPRAYS, per hundred..... 1 00
GREEN and **SPHAGNUM MOSS,** per barrel 1.00
LYRATA, which makes a fine substitute for decorations for June.

Also headquarters for all Florists' Supplies, such as **Milkweeds, Wire Designs, Cut Wire,** all kinds of **Letters, Immortelles, Cycas Leaves,** sheaves of **Wheat, Ribbons, Corrugated Boxes** of all kinds, etc.

HENRY M. ROBINSON & CO., L. D. Phone 7618 Main. **8 to 11 Province St., Boston, Mass.**

Extra Fine New Crop **FANCY FERNS** **$1.00 per 1000** Discount on large orders.

GALAX.....per 1000, $1.25

Send for our weekly price list on Cut Flowers. Let us have your standing order for Ferns; will make price right all through the season.

MICHIGAN CUT FLOWER EXCHANGE

WM. DILGER, Mgr. 38 and 40 Broadway, formerly Miami Ave., DETROIT, MICH.

Indianapolis.

BUSINESS RATHER SLOW.

Business in the stores as well as on the market has been rather slow the past week. All kinds of flowers are plentiful and of good quality. Among outside stock dahlias are more in evidence than ever before. Barnes & Foster, dahlia specialists, of Spencer, have a grand collection and supply most of the retail stores in this city. The cactus type seems to enjoy the greatest popularity.

NOTES.

The October meeting of the association was fairly well attended. The meeting was an interesting one and the little social following was evidently much enjoyed by all. It is the policy of the present officers of the association to have the business part of the meetings as short as possible, so as to give ample time for informal discussion and amusement, which is certainly a move in the right direction.

Mr. Hatfield has added a mustang mare to the equipment of his Broadripple home. He says "Dolly" can turn around on less space then any horse he ever saw, and he can make her do anything she wants to do.

A runaway team ran into August Rieman's surrey recently. He and his family had a very narrow escape, the surrey was ruined and one horse slightly injured.

John Hartje has sold his greenhouses, to be taken down next spring; he has not yet decided on a site for his new establishment.

Walter Bertermann lost his trotter Rex, one of the best roadsters in this city. He recently refused $600 for the animal.

John Rieman has finished remodeling and enlarging his store, which is now one of the best flower stores in the city.

Phillip Conway has invested in a new phaeton.

Frank Harrett is suffering from dyspepsia. J.

Wakefield, Kans.

Percy R. Walter reports that he has been unable to keep up with the demands for vegetables and flowers this season. He will put up about 2,000 feet of glass in the spring.

E. F. Walter, Junction City, is putting up a rose house, 20x60 feet.

S. D. Brant, of Clay Center, had a fine display of ferns and palms at the county fair.

LARGEST STOCK OF ALL

Belgian Plants.

AZALEAS, ARAUCARIAS, SWEET BAYS, PALMS, BEGONIAS, GLOXINIAS, ETC.

Louis Van Houtte Pere,
GHENT, HELGIUM.

Le Journal des Roses.

Organ of the French Rosarians.

Published at Paris. Once a month with colored plates.

Subscription $2.70 per Year. Sample Copies Free.

ADMINISTRATION DU SUISNES **JOURNAL DES ROSES**
a SUISNES, Brie
a Grisy-Suisnes. (Seine et M FRANCE.

GERANIUMS 2½in. Pots, Ready for Immediate Delivery

Alliance. Lemoine 1905, Hybrid, Ivy and Zonal, semi-double, lilac white, upper petals feathered and blotched crimson maroon, 25c each; $2.00 per doz.

Fleuve Blanc, the semi-double Bruant that promises to become the standard white, flowers and foliage equal to Alph. Riccard, $1.50 per doz.; $10.00 per 100.

Double Dryden, $1.00 per doz.; $5.00 per 100.

Cactus Geraniums, four varieties, petals curled and twisted similar to the Cactus Dahlia, $2.00 per doz.; $15.00 per 100.

S. A. Nutt, La Pilote, Beaute Poitevine, Mme. Barney, Centaur, Miss Kendall, Mme. Jaulin, Jean Viaud, Mme. Charotte, 40c per doz.; $2.00 per 100; $18.00 per 100.

Ville Poitiers, Marquise de Castellane, Berthe de Persilly, M. Jolly de Bammeville, Thos. Meehan, 50c per doz.; $3.00 per 100; $25.00 per 1000.

Send for Geranium Catalogue. Let us figure on your future supply.

	Per 100	1000
Alternanthera, red and yellow	$2.00	15.00
Hardy English Ivy	2.00	15.00
Smilax	2.00	15.00

A cordial invitation is extended to all interested in horticulture to visit us. Cowenton station, Philadelphia division, B. & O. R. R., 12 miles north of Baltimore.

R. VINCENT, JR. & SON, White Marsh, Md.

Please mention the American Florist when writing.

Directory of Gardeners
—AND—
Estates Employing Gardeners
—IN THE—
UNITED STATES and CANADA.

Price $5, Cash With Order.

AMERICAN FLORIST CO. 324 DEARBORN ST., ...CHICAGO.

BEST ENGRAVINGS and ILLUSTRATIONS
—Of Every Description—
FOR CATALOGUES.
SEE OUR WORK IN THIS PAPER. SEND FOR ESTIMATES.
GLOBE ENGRAVING and ELECTROTYPE CO.
407-427 Dearborn St., CHICAGO.

BERTHA RATH
CARNATION.
FERNS, PALMS,
ARAUCARIA EXCEL.,
ASPIDISTRA,
Green and Variegated.
BAY TREES and PRIVET,
Fine, Strong Stock.
R. DREYER, WOODSIDE, L. I., N. Y.

SPECIALTIES.
ROSES from 3-inch pots. CHRYSANTHEMUMS.
CARNATIONS, for fall delivery. SMILAX. VIOLETS.
IN BEST VARIETIES.
Prices low. Send for list.
WOOD BROTHERS, Fishkill, N. Y.

GOV. HERRICK THE COMING VIOLET
One that produces three times as many flowers as any violet ever offered for sale. It will please you. Order at once. Prices: $2.00 per doz.; $10.00 per 100; $75.00 per 1000; 5.000 or more at $60.00 per 1000. Send for description today.
H. R. CARLTON, Willoughby, O.
INTRODUCER and ORIGINATOR.

MABELLE, New Pink Carnation for 1907.
Color—A peculiar shade of lovely pink, with a faint yellowish cast; several shades lighter than the Lawson. Unlike most pinks, the brightest sun does not injure the color. Size—3 to 4 inches in diameter when established. Odor—Pleasing, but not strong. Stems—Invariably strong, but always graceful, ranging from 12 to 30 inches during the season. Habit, etc.—A very quick, active grower, making specimen plants in a short time, even from late cuttings. On account of its rapid growth, requires supporting very soon after benching. Gets away rapidly, blooms early and gives long stems right from the start. Productiveness—Prodigious is the best word we know of to use here. It is the most incessant bloomer, early and late, we have ever grown. Stock limited. Delivery January 5 to 10 and later. Price, $12.00 per 100, $100.00 per 1000.
THE H. WEBER & SONS CO., Oakland, Md.
Please mention the American Florist when writing.

—BUY—
Crotons, Dracaenas, Camellias, Ardisias, Farleyense,
—FROM—
Julius Roehrs Co., Exotic Nurseries, RUTHERFORD, N. J.

Highland Grown Carnation Plants.

	Per 100	1000		Per 100	1000
Lawson	$4.50		Peru	$3.50	$30.00
Flora Hill	4.50		Glacier	3.50	30.00
Crusader	5.00		White Cloud	3.50	30.00
Prosperity	4.00		Har owarden	3.50	30.00
M. Glory	4.00	$35.00	Roosevelt	3.50	30.00
G. Angel	3.50	30.00	100 Estelle, small	$3.00	

CRABB & HUNTER, Ltd., Grand Rapids, Mich.

Palms, Ferns, Etc.

WHOLESALE PRICE LIST.

Hydrangea Otaksa, field grown, $1.50 and $2.00 per doz.

	In.	Tiers.	Ea.	Doz.	100
Araucaria Excelsa	4	2 to 3	$0.35	$4.00	
" "	5	3	.75	9.00	
" "	6	3 to 4	1.00	12.00	
Asparagus Plumosus	2				$3.00
" "	3				6.00
Asparagus Sprengeri	2				3.00
" "	3				6.00
" "	4			1.50	
" "	5			2.00	

Asparagus Scandens Deflexus, a beautiful green for wedding and funeral work, 3-in. pots at $1.50 per doz.; 4-in. pots at $2 00 per doz.

Boston Ferns, 4-in. pots, $1.50 per doz.; 5-in. pots, $3.00 per doz.; 6-in. pots, $4.20 per doz.; 6-in. pots, strong, $6.00 per doz.; 7-in. pots, $9.00 per doz. Larger specimens, $1.50, $2.00 and $3.00 each.

Scottii Ferns, 10-in. pots, $2.00 each.

Assorted Ferns for dishes, $3.00 per 100; $25.00 per 1000. We have a large lot to offer in best varieties.

Fern Balls, 7 to 9. Dormant or in leaf, $4.20 per doz.

Dracaena Fragrans, 5-inch pots, 50c each; $5.00 per doz. 6-in. pots, 75c each; $9.00 per doz

Dracaena Indivisa. 2-inch pots, $2.50 per 100; 6-inch pots, 20 to 26 inches high, 50c each; $5.00 per doz.; 7-inch pots, 30 to 34 inches high, 75c each; $9.00 per doz.

Dracaena Massangeana, 8-inch pots, $2.00 each, beautiful specimens, 9-inch pots, $3.00 each.

Maranta Lietzii, 2¼-in., $1.00 per doz.

Pandanus Veitchii, 6-in. ..... per doz., $12 00
" **Utiles,** 3-in. ..... per doz., 1.50
" " 4-in. ..... per doz., 3.00
" " 5-in. ..... per doz., 5.00

Cocos, for dishes, 2½-inch, $1.50 to $1.75 per doz.

Cocos Bonetti, large specimens, $40.00 each.

	In.	Each	Doz.
Kentia Belmoreana	3		$ 2.00
" "	6	$1.00	12.00
" "	6 xx	1.25	15.00
Kentia Forsteriana	5	.60	7.20
" "	6	1.25	15.00
" "	7	2 00	24.00

Phoenix Canariensis, 2-in. ..... per doz., 1.00
" " 5-in. ..... per doz., 5.00
" " fine bushy plants, 10-in. pots, $3.00 each. Large specimens.

Phoenix Reclinata, 3½-in. ..... per doz., $2.00
" " 4-in. ..... per doz., 3.00
" " 6-in., 50c each; per doz., 6.00
" " 7-in., 75c each.

Selaginella Denticulata, 3-in., per doz., $1.00.

The Geo. Wittbold Co.

1657 BUCKINGHAM PLACE. CHICAGO.

Will Sell Cheap

50,000 Canna Roots

Mostly Alphonse Bouvier.

Also 10,000 **Boston Ferns** in 4-inch and 5-inch pots, Send for prices.

JOHN WOLF, Ott and Anderson Sts., SAVANNAH, GA.

DAHLIAS.

Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring.

DAVID HERBERT & SON,
Successors to L. K. Peacock, Inc., ATCO, N. J.

It is good business policy to mention
The....
AMERICAN FLORIST
When you write to an advertiser

LUDVIG MOSBAEK,

Onarga, Ill.

SPECIAL:—To October 15, ten per cent off for strictly cash with order for plants in this list, to make room for bedding plants.

	Per 1000	100	Doz.
AGERATUM, Little Blue Star, new, very dwarf, 2¼-in.		$2.00	$ .35
ACHYRANTHES, 3-in., per 100, $5.00; 2-in.		2.00	
ASPARAGUS, Plumosus Nanus, from 4½-inch pots		10.00	1.35
ASPARAGUS, Plumosus Nanus and **Sprengeri,** from 4-inch pots	$75.00	8.00	1.10
Same from 3-inch pots	45.00	5.00	.65
Same from 2¼-inch pots	22.50	2.50	.35
COLEUS, in var., strong 3-in. for stock		5.00	
FERNS, Boston and **Piersoni,** from 10-inch pans, each, $2.00			20.00
" " " from 8-inch pans, each, 1.00			10.00
FERNS, Boston and **Piersoni, Anna Foster** and **Sword,** all pot-grown, 6-inch		40.00	5.00
4-inch	125.00	15.00	2.00
3-inch	75.00	8 00	1.00
2¼-inch	30.00	3.50	.50

I have also a few thousand **Bench-grown Ferns** for 4-5-6-inch pots. Prices on application as long as they last.

FERNS, Piersoni Elegantissima. Of this I have a very fine lot from 4-inch pots		30.00	4.00
3-inch pots	125.00	15.00	2.00
2¼-inch pots	70.00	8.00	1.25
	Per 1000		100
DRACAENA Indivisa, 4-inch, $8.00; 3-inch, 5.00; 2¼-inch			$2.50
PALMS, for growing on; we want to clear them out at a special bargain.			
" **Kentia,** from 3 inch pots			10.00
" **Phoenix Canariensis,** from 4-inch pots			15.00
ROSES, Brides and **Maids.** A surplus of a couple of thousand in 3-inch pots, partly in bloom, fine plants, need shift or bench			4.00
SANSEVIERIA, Zeylanica Var., 4-inch to 5-inch, $15 00; 3-inch			8.00
GERANIUMS, 10,000 Stock Plants from field, Ricard, Perkins, Favorite, Buchner, S. A. Nutt, Jacquerie, E. G. Hill, Trego, Poitevine, Ivy-leaved, John Doyle, Golden Bedder, Pricely, Alice Vincennes, Viaud, Soleil, Jaulin, Castellane, Gaar, L'Aube, Happy Thought, Mrs. Pollock, Mrs. Parker, Wm. Langguth, Prince Bismarck, Mt. of Snow, Mme. Salleroi, Charotte, and a few others; also **Heliotrope** and **Lantana**			5.00
GERANIUMS, 3-inch, $4.00 per 100; 2¼-inch		$18.00	2.00
" **Rooted Cuttings,** first 10 var. named above, booked before Oct. 15th		10 00	1.25
ALTERNANTHERA, R. C., 4 varieties		4.00	
VERBENA, Ellen Wilmette, bright carmine pink, new, 2-in		2.00	

BEDDING PLANTS, all other varieties. Prices on application.

CANNA SURPLUS,

in following var., 2 to 3 eyes, for orders booked before Oct. 15th for Fall delivery. Full line of standard and new var. Descriptive list mailed free.

Bronze leaved, Discolor, for foliage		7.50	1 00
" " **Robusta,** for foliage		6.00	.80
Burbank, yellow flowers		6.00	.80
Chas. Henderson, red flowers		10.00	1.25
Allemania, variegated red and yellow flowers		7.50	1.00
Tall Florence Vaughan, var. red and yellow		10.00	1.25
Mlle. Berat, pink flowers		10.00	1.25
My selection of above and other named varieties, per 10.000	$60.00		
Bronze leaved, mixed		5.00	.70
Yellow shades, mixed		5 00	.70
Red Shades, mixed		5.00	.70
All Shades, mixed		4.50	.60
All Shades, separate, per 10.000	$45.00		
PANSY Seedlings, Florists' International		3.00	.50
" transpl		6.00	.75
VINCA Var., strong, field-grown, 1st size			6.00
" " " 2nd size			3.00

PERENNIAL PLANTS; interesting list mailed free.

CARNATIONS.

Strong, Healthy, Field-Grown Plants.

BOSTON MARKET, per 100, $3.00; per 1000, $25.00

	Per 100	Per 1000
Nelson, pink	$3.00	$25.00
Morning Glory, light pink	4.00	30.00
Crusader, red	5.00	40.00
Boston Market, white	3.00	25.00

PETER REINBERG,

51 Wabash Ave., CHICAGO.

The House of Thorburn.

(Continued from page 553.)

water melon was introduced by J. M. Thorburn & Co. In 1882 the Thorburn extra early Refugee bean was first brought to light and the same year the firm introduced it's Market Gardener Private Stock lettuce.

In 1889 appeared Thorburn's Pride of Newton beans, Thorburn's Improved Stonehead heavy red Dutch cabbage, Thorburn's Market Gardener private stock, large late flat Dutch cabbage, and in the same year the firm introduced the still popular seedling potato, Rural New Yorker No. 2.

In 1890 we find the following introductions all our own: Refugee wax beans, Extra Early flat turnip beet, new Everbearing cucumber, Coldframe White cabbage lettuce.

In 1892 appeared Thorburn's Commercial pickle cucumber and Thorburn's Long Keeper tomato. In 1893 the first dwarf lima bean ever introduced was placed on sale by J. M. T. & Co. (their own introduction). This is probably the finest dwarf lima bean in cultivation today and to the firm of J. M. T. & Co. is due all the credit of it. In the same year they introduced two new tomatoes, viz; Lemon Blush (Thorburn's) and Terra Cotta (Thorburn's).

In 1894 came the world famous Carman No. 1 potato, introduced by J. M. T. & Co. and, in the following year Carman No. 3, also introduced by J. M. T. & Co. This firm has done more for the improvement of the potato than any other in existence and when the announcement came in 1905 of the great new potato, "Noroton Beauty," the greatest of them all, it was received with much acclaim and met with almost unprecedented sale. We might go on noting the firm's own new introductions if space and time would permit.

J. M. Thorburn & Co. was incorporated in 1895, with F. W. Bruggerhof, as president, Mr. Bruggerhof having been connected with the business and associated in its earlier days with James M. Thornburn, for over 50 years. Mr. B. is still actively engaged and is conversant with everything going on, himself superintending everything.

In the fall of 1898 they were obliged to vacate the building occupied for upwards of 60 years at 15 John street, the property there having been condemned. They have been since located at 36 Cortlandt street from which they have been compelled to move owing to the condemnation of the building and many condemnation of our building and many others in the same block for tunnel and railroad purposes.

The new warehouse, 33 Barclay street, is a model one and has just been completely remodelled. It is five stories high and has in addition to the basement a subcellar. Some idea of the floor space can be had when the depth of the building is considered. It extends through to 38 Park place and is 160 feet deep, (5 floors, a basement and a subcellar) and has a frontage of 25 feet on both Barclay street and Park place.

The Park place entrance will be used for shipping and receiving goods. A new elevator has just been installed at Park place and the structure is therefore decidedly modern and up-to-date. The path of advancement of the firm has certainly been very marked and it is interesting to note for the sake of comparison the dimensions of the "large and commodious" building at 67 Liberty street of 1827 and the new modern twentieth century structure now occupied by the firm at 33 Barclay street and 38 Park place.

It will therefore be seen that J. M. T. & Co. have been in the city for about 104 years and have almost from the beginning conducted both a wholesale and retail trade. The following facts will give an idea of the extent of the business today. Building runs through the entire block from Barclay street to Park place, with an entrance on each street. It is 160 feet deep, five stories high and has a basement and sub cellar. They have 28,000 square feet of floor space. There are over 1,200 drawers and closets for vegetable seeds; about 150 bins for vegetable seeds in bulk; about 2,000 flower seed drawers, over 250 receptacles for free and shrub seeds alone and over 40 bins for grass seeds. The building is modern and up-to-date in every respect, neither trouble nor expense being spared in making it probably the finest seed store in America.

Toronto.

TRADE EXCELLENT.

Business is ever increasing and now that stock is good and getting more plentiful each day, the trade is firmly settled and not so erratic. Chrysanthemums predominate and can be had in all colors. The stock is good for the early varieties and reports promise an over-abundance of good blooms later. Violets have picked up in quality and very good ones are seen, but not enough as yet to go around. Roses in all varieties and excellent quality are about equal to the demand, while carnations are more plentiful and in many varieties as good as midwinter stock. Though there are not many elaborate wedding decorations, there is a good demand for flowers for this purpose and lily of the valley has at times been scarce. Galax, so much used in this section, is not to be had, but the new crop is promised in a few days.

NOTES.

The prize list has been issued for the chrysanthemum show for November 6-10, and those interested should not fail to secure one as there are many good prizes offered. As a feature, the famous Black Dike band, of England, will render the music.

A number of the florists are experimenting with Canadian coke. It is of a different substance than the Pittsburg variety, but the heating qualiies are supposed to be the same, and is considerably cheaper.

President Dunlop, of the American Carnation Society, is busy making arrangements for the next meeting. Adequate and convenient space for the exhibition is likely to be had in the big city hall.

Geo. Graham, of the government house, is putting up some new greenhouses. Good stock is the rule here and space has always been cramped; the new addition will no doubt alleviate this.

Thos. Manton is the possessor of a letter from the old country advising him that his Aunt Aliza bequeathes him something like $3700 besides some property.

J. S. Simmons has an attractive autumn window, a rustic bench with a hat lying on it and a surrounding of colored foliage.

R. Guthrie, of the Steele, Briggs Seed Co., has been in Markham, where he was judge at the fair.

Chas. Tidy is showing some good cattleyas and oncidiums.

Visitor: Wm. Dykes, representing Edward Jansen, New York.

H. G. D.

Montreal.

TRADE SHOWS IMPROVEMENT.

Trade last week showed a good improvement over the previous weeks, there being a number of wedding decorations of note. As outdoor flowers are badly frozen and indoor flowers are still scarce, the market assumes a busier aspect than business really feels. Roses are of better quality although the foliage seems in many cases to be infected with mildew, but the flowers are of better size and longer stem. Carnations are scarce yet and of short stem, but the flowers leave nothing to be wished for, being of good size and color. Chrysanthemums have made their appearance at Hall & Robinson's. Opah and a yellow variety are the varieties shown.

NOTES

Camille Lagare has erected for his son, A. C. Lagare, a large block of houses for carnation growing. Part of it is already planted with field-grown plants. Mr. Lagare puts his greatest hopes in Lawson in all its varieties. For white, Lady Bountiful, Boston Market and Glacier are seen; for red, Crane, which is entirely free of disease, red Lawson and Flamingo are grown, and for crimson, Harlowarden. Also a trial is made of a number of new varieties. The soil seems to be well suited for carnations as it has produced the best plants around this city this year. The other part will be used for growing lettuce, Mr. Legare's specialty. The block of five houses is 125x225 feet, all connected. King construction is used throughout and the plant is heated by steam.

The Gardeners' and Florists' Club held an interesting meeting last Monday night. Chas. J. Eddy gave a very interesting paper on his trip to the Pacific coast, but gave only half of it. He promises the other half for next meeting. G. A. Robinson was the next essayist, his subject being the Toronto exhibition and after-thoughts of the Canadian Floricultural Association convention. Mr. Robinson regretted that with such a grand prize list as they had, competition was not keener. In most classes prize money simply went begging. The after-thoughts of the convention were of a humorous nature. G. Trussel and J. Walsh recited the experiences they had in Ottawa, special attention being called to the hospitality that was extended to them.

The Wright Floral Co.'s store is open now and makes a striking appearance.

Wm. Rennie, a Toronto seedsman, will open a branch in Montreal.

LUCK.

PALMS, FERNS and DECORATIVE PLANTS

We Offer Good Value. Saving in Express and Freight west of Ohio.

ARAUCARIA EXCELSA.

(Norfolk Island Pine.)

We have a large quantity of these popular Christmas plants. All are perfect, well shaped plants, and will give good satisfaction.

Size pot.	Height	Whorls	Each	Doz.
6 in	16 in.	4	$1.00	$12.00
6-in	18 in.	4	1.25	15.00
7-in	22 in.	5	1.50	18.00

ARAUCARIA EXCELSA GLAUCA.

Size pot.	Height	Whorls	Each	Doz.
5 in	12 in.	3	$1.00	$12.00
6-in	13 to 15 in.	3 to 4	1.25	15.00
7-in	18 to 20 in.	4 to 5	1.50	18.00
7-in	22 to 24 in.	4 to 5	2.00	24.00
9-in., fine specimens	30 in.	4 to 5	3.00	....
9-in., fine specimens	34 in.	5	4.00	....

ARAUCARIA ROBUSTA COMPACTA.

Size pot.	Height	Whorls	Each	Doz.
5-in	10 in.	2	$1.00	$12.00
6-in	12 in.	to	1.50	18.00
7-in., fine specimens	28 in.	5	3.00	....
8-in., fine specimens	32 in.	5 to 6	4.00	....

ASPARAGUS PLUMOSUS NANUS.

We Are Headquarters.	Per 100	Per 1000
2-in pots, strong ready for a shift	$3.00	$25.00
2½-in. pots, strong, ready for a shift	4.00	40.00
3-in. pots, strong, ready for a shift	7.00	65.00
Strong Seedings	1.50	12.00

BOSTON FERNS.

Nephrolepis Exaltata Bostoniensis.

We have the finest stock in the west. All our plants are pot grown, bushy stock, well furnished with fronds from the pot up, and cannot be compared with the cheap, long-drawn-up lifted stock from the bench. A sample shipment will convince you of our superior stock last of August. Stock ready

	Each	Per doz.	Per 100
2½-in pot plants		$ 0.60	$ 5.00
3-in. pot plants		1.50	10.00
4-in. pot plants		2.50	20.00
5-in. pot plants	$ .50	5.00	40.00
6-in. pans plants	.75	8.00	60.00
7-in pans plants	1.00	10.00	75.00
8-in. pans plants	1.00	15.00	.....
9-in. pans plants	$2.00 to $2.50	.....	.....
10-in. pans plants	3.00 to 3.50	.....	.....
12-in. pans plants	4.00 to 5.00	.....	.....

ASSORTED FERNS FOR FERN DISHES.

We have a very large stock of all the best Pteris Ferns, 2¼-in. pots, strong and bushy, assorted, per 100, $3.00; per 1000, $25.00.

BABY RAMBLER ROSES.

We have a fine lot now growing in our fields, and offer strong, dormant plants for October and November delivery.

	Doz.	100	1000
1st size, selected, 2 years old	$3.00	$25.00	$200.00
2nd size, selected, 2 years old	2.50	20.00	150.00
1st size, selected, 1 year old	2.00	15.00	120.00

Also have a large stock of pot grown plants.

	Doz.	100
3-in. pots	$1.50	$12.00
4-in. pots	3.00	20.00
5-in. pots	5.00	40.00
6-in. pots	6.00	50.00

NEW ROSE ETOILE DE FRANCE. The best red rose for pot sales, 1-year-old dormant plants, per doz., $2.00; per 100, $15.00

KENTIA FORSTERIANA.

Size Pot	Leaves	Height	Each	Doz.	100
3-in		8 to 10 in.	$....	$ 2.00	$15.00
6-in	5 to 6	26 to 30 in.	1.00	12.00	....
6-in	6	28 to 30 in.	1.25	15.00	....
6-in	6	34 to 36 in.	1.50	18.00	....
7-in	6	36 to 40 in.	2.00	24.00	....
8-in	5 to 6	45 in.	3.00	36.00	....
8-in	6 to 7	45 to 50 in.	3.50	....	....
8-in	6 to 7	50 to 55 in.	4.00	....	....
9-in	6	55 to 60 in.	4.50	....	....
10-in. tubs	6 to 7	65 in.	6.00	....	....
10-in. tubs	6 to 7	70 in.	7.00	....	....
12-in. pots	6	75 in.	8.00	....	....

MADE-UP KENTIA FORSTERIANA.

Size Pot	Plants in Pot	Height	Each
8-in	3	40 in.	$3.00
8-in	3	40 to 45 in.	3.50
9 in	3	50 in.	4.00
9 in	3	55 in.	4.50
9-in	3 heavy	60 in.	5.50
9-in. tubs	3 heavy	65 in.	6.00
9-in. tubs	3 heavy	70 in.	7.00
10-in. tubs	5	55 in.	6.00

KENTIA BELMOREANA.

Size Pot	Leaves	Height	Each	Doz.	100
6-in	6 to 7	24 in.,	$1.25	$15.00	....
7-in	6	26 to 28 in.,	1.50	18.00	....
7-in	6	28 to 30 in.,	2.00	24.00	....
7-in	6 to 7	32 to 34 in.,	2.50	30.00	....
7-in	6 to 7	35 in.,	3.00	36.00	....
8-in	6 to 7	40 in.,	3.50	....	....
8-in	6 to 7	40 in., heavy	4.00	....	....
9 in. tubs	7	36 to 40 in., heavy	5.00	....	....
9 in. tubs	7	50 in., heavy	8.00	....	....
12-in. pots	8	55 to 60 in., heavy	12.00	....	....

CELESTIAL OR XMAS PEPPERS.

One of the very best of Christmas plants.	Per doz	Per 100
Strong plants, 4 in. pots	$1.25	$10.00
Strong plants, 5-in. pots	2.00	15.00

FICUS ELASTICA. (Rubber Plant).

5-inch pots, 12 to 14 in. high.....$5.00 per doz.; $40.00 per 100

CYCAS REVOLUTA. (Sago Palm.)

We can supply these in various sizes, from 1 to 6 lb. bulbs, in leaf, at 50c per lb.

HYDRANGEA ROSEA. (New).

3-in. pot plants, 1 to 2 stems.....$1.00 per doz.; $8.00 per 100
Otaksa and Thos. Hogg, 4-in. pot plants, 2-3 branches.....$10.00 per 100
" " " " field plants, 3-4 branches..... 15.00 per 100

CARNATIONS.

Victory and Robert Craig, medium size.....$12.00 per 100

RICHMOND ROSES.

3-in. pots strong ..... 8.00 per 100; 75.00 per 1000
4-in. pots, strong ..... 12.00 per 100; 100.00 per 1000

KILLARNEY, strong.
Strong, 3-in. stock.....$ 8.00 per 100; $ 75.00 per 1000
4-in..... 12.00 per 100; 100.00 per 1000

PAEONIES FOR OCTOBER PLANTING. We have the best kinds of our own growing, all true to name. Send for complete list.

PERENNIALS FOR FALL PLANTING. Our stock is large and consists of all the best sorts. Send for special list.

Send for our special list of Palms, Ferns and Decorative Plants. We offer good value; saving in express and freight west of Ohio.

14 Barclay St. NEW YORK. **VAUGHAN'S SEED STORE,** 84-86 Randolph St. CHICAGO.

GREENHOUSES, WESTERN SPRINGS, ILL.

Field-Grown Carnations.

EXTRA STRONG, CLEAN, BUSHY PLANTS.

	Per 100		Per 100
300 Lawson	$4.00	100 L. Bountiful	$5.00
800 Marquis, v. large	4.00	300 G. Lord	4.00
225 Gov. Wolcott	4.00	300 Bradt	4.00
100 Flora Hill	4.00	250 Joost, v. large	4.00

1000 **Smilax,** 2-in. sheared..... 1.00

Primula Obconica Grandiflora, Alba, Carnea and Fimbriata, Primula Chinensis Fimbriata, mixed, most delicate, strong plants, 3-inch, ready for 4-inch, $3.00 per 100.

E. HAENTZE
Fond du Lac, Wis.

Asparagus Plumosus.

Exceptionally fine stock from 3-in. pots, $5.00 per 100.

Asparagus Sprengeri,
From 3½-in. pots, $6.00 per 100.

Write for price on large lots.

SCHARFF BROS.,
Van Wert, Ohio.

Queen Beatrice Rose.

Four to one shot. Four times as many flowers as Maid.

F. H. KRAMER, 916 F St., WASHINGTON, D. C.

CARNATIONS

Fine, Healthy Field-grown Plants

	Per 100	1000		Per 100	1000
Pink Laws'n.	$4.00	$35.00	Boston Market	$4.00	$35.00
Red Lawson.	5.00	45.00	Morn. Glory.	3.00	30.00
Var. Lawson.	5.00	45.00	Estelle	5.00	45.00
Mrs. Nelson.	3.50	30.00			

BATAVIA GREENHOUSES, Batavia, Ill.

Index to Advertisers.

Adv rates.....538
Advance Co The....III
Allen J K.....547
Amling E C.....543
Andorra Nurseries...555
Aschmann Godfrey..558
Atlanta Floral Co...549
Baller F A.....553 555
Barrows Henry & Son545
Barteldes Seed Co ..550
Bassett & Washburn.....541 542
Batavia Ghrs.....563
Baumann L & Co.... II
Bay State Nurseries.555
Beaven E A.....559
Beckert W C..... II
Benthey-Coatsworth Co.....543
Berckmans P J Co.....554 555
Berning H G.. ... 545
Bertermann Bros Co.548
Blanksma Bros.....549
Blinn F A.....559
Boddington A T II
Braslan Seed Co.....550
Breitmeyer's J Sons.548
Brown Peter.....558
Budlong J A.....543
Burpee W A & Co...553
Byer Bros.....549
Caldwell the Woodsman Co.....559
Campbell Exors R..564
Carlton H R.....560
Carmody J D.....564
ChicagoCarnationCo..... I
Chicago Flower ..... Show.....540
Chicago House Wrecking Co.....573
Clark Wm.....559
Cleveland Cut Flo Co549
ClipperLawnMower Co.....572
Cochran Mushroom & Spawn Co..... II
Coles W. W.....549
Connell Benj.....559
Cooke Geo H.....548
Cotsonas Geo & Co..547
Cottage Gardens Co.557
Cowee W J.....564
Crabb & Hunter. ...560
Craig Robert Co....545
Crawshaw Jas.....559
Cross Eli.....541
Cunningham Jos H..541
Daniels & Fisher....548
Davis Bros.....558
Deamud J B Co..... 543
DetroitFloPotMfy...572
Dietsch A Co.....574
Diller Caskey & Co..573
Dillon J L.....540 559
Dingee&ConardCo..555
Donohoe W H.....548
Dorner F & Sons Co I
Dreer H A.....540 573
Dreyer R.....560
Dunford J W.....549
Edwards Fold'g Box.573
Elliott Wm H 545
Emmans Geo M.....549
Eyers H G.....549
Fellouris A J 547
Fick Chas F.....549
Fischer R.....549
Florists'HailAs'n....564
Flower Growers Co. 543
Foley Mfg Co.....574
Ford Bros.....547
Froment H E 547
Garland Geo M.....III
Garnsey M V.....571
Giblin & Co..... IV
Globe Eng Co.....560
Gude A & Bro.....548
Gullett W H & Sons.541
Gundestrup K & Co. II
Gurney Heater Co... IV
Guttman Alex J.....547
Guttman & Weber..546
Haentze E 563
Hansen M A 548
Hart Jas.....547
Hauswirth P J.....548
Heller & Co..... II
Henshaw A M.....547
Herbert D & Son....561
Herr Albert M.....549
Herrmann A..... II
Hess & Swoboda....548
Hews A H & Co.....572
Hilfinger Bros.....572
Hill The E G Co.... I
Hippard E.....III
Hitchings & Co. IV
Holm & Olson.....548
Holton& Hunkel Co.545
Hooker H M Co.....573
Hort Advertiser 558
Hort Trade Journal..558
Hunt E H.....543
Igoe Bros..... II
Ionia Pottery Co 572
Jackson&PerkinsCo.555
Jacobs S & Sons.....III
Janesville Floral Co.559
Jensen & Dekema...543
Johnston Heating Co573
Johnson W W & Son.....553
Kaempfer Fred..... II
Kasting W F..... I
Keller Geo & Son...572
Keller Pottery Co...572
Kellogg Geo M.....548
Kennicott Bros Co..543
Ky Tob Prod Co....574
Kervan Co The.....547
Kessler P.....547
KingConstructionCo III
Kohr A F 572
Koppelman E L & Co564
Kramer F H.....563
Kramer I N & Son..572
Kroeschell Bros Co. 573
Kuehn C A.....545
Lager & Hurrell.....547
Lambert P.....554
Lange A.....548
Langjahr A H.....547
Lecakes N & Co.....547
Leedham Bulb Co...550
Leedle Floral Co....555
Livingston Seed Co. 548 572
LocklandLumb'rCo.III
Lord & BurnhamCo. IV
Mathews. Florist....549
McConnell Alex.....549
McCullough's J M Sons Co.....545
McKellar Chas W....542
McKissick W E.....545
Mayberry & Hoover.548
Mich Cut Flower Ex.559
Miller Theo.....549
Mills the Florist.....548
Moninger J C Co....III
Moon The Wm H Co.555
Moore Hentz&Nash.547
Morehead Mfg Co...574
Morse C C & Co..... II
Mosbaek L.....561
Murdoch J B & Co ..545
Murray Samuel.....548
Muskogie Carnation Co.....540
Myers & Co..... 564
Natl FloBd of Trade.547
N Y Cut Flower Ex .547
Niessen Leo Co 545
Niuffer C M.....554
Olbertz J.....545
Pacific Seed Co.....550
Paducah Pottery 572
Palethorpe P R Co..572
Palmer W J & Son..548
Park Floral Co.....548
Pennock Meehan Co544
Perennial GardensCo II
Perfection Chem Co.574
Peterson's Nursery. 555
Pierson F R Co....I 553
Pierson U Bar Co....III
PittsburgCut Flo Co.545
Pittsburg Florist Ex .545
Poehlmann Bros Co.543
Pollworth C C Co....548
Pulverized Manure Co.....574
Quaker City Machine Works.....III
Randall A L Co.....549
Raynor J I.....547
Rawson W W & Co.. II
ReadyRefer'nceAdv.565
Reed & Keller.....574
Regan Print House..540
Reinberg Peter..... 541 543 561
Rice Bros.....559
Rice James H Co....573
Robinson H M & Co.559
Roehrs Julius Co.....560
Sander & Son 547
Shaaff M J.....540
Scharff & Bros.....563
Scheiden & Schoos..559
Schillo Adam.....564
Schultheis Anton....546
Schulz Jacob 549
Seligman Jno.....547
SharpPartridge&Co.573
Sheridan W F.....547
Siebricht & Son.....558
Sinner Bros. 543
Situations & Wants..539
Skidelsky S S.....549
Smith Nathan & Son.555
Smith W & T Co.... I
Smits Jacs.....555
Sprague Smith Co...573
Staer J.....553
Standard Pump & Engine Co..... IV
Stearns Lumber Co.. IV
Stenzel Glass Co....573
Stern J & Co.....564
Stokes Seed Store...550
Stoothoff H A & Co.572
Storrs & Harrison Co555
Styer J J..... II
Syracuse Pottery Co.572
Taylor F G Seed Co.550
Thompson J D Carnation Co..... I
Thorburn J M & Co. II
Totty Chas H 547
Traendley & Schenck547
VanHoutte PereSons560
Valley Farms Nursery Co..... 555
Van Mol Julius.....553
Vaughan & Sperry...543
Vaughan's Seed Store .....I 553 563
Vick & Hill Co.....555
Vick's Sons Jas..... II
Vincent R Jr & Son..560
Virgin U J.....548
Weber F C.....548
Weber H & Sons....560
Weeber & Don..... II
Weiland & Risch....543
Welch Bros..... 545
Whilldin Pot Co.....572
Wietor Bros.....542
Wild Gilbert H.....555
Wilson Andrew 574
Wilson Robt G.....548
Winandy Bros III
WintersonE F Co....542
WittboldGeo Co.542 561
Wolf John.....561
Wood Bros.....560
Woods H.....559
Young A L & Co....547
Young Thos.....547
Zech & Mann.....543

MYERS & CO.
BUILDERS OF
Modern Greenhouses
HEATING BOILERS.
1122 Betz Bldg.,
PHILA., PA.

Please mention the American Florist when writing.

CAMPBELL'S PATENT SULPHUR VAPOURISER.

Extract from paper read by John H Dunlop before recent convention of the Canadian Horticultural Association:

"Campbell's Sulphur Vaporizer is an English patent and a trifle expensive, but very effective and eliminates almost all of the danger of ignition. We are using eight of them at present with excellent results."

—SOLD BY—

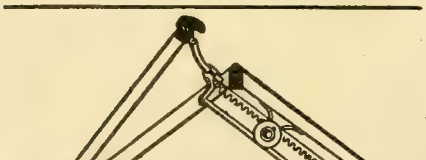
VAUGHAN'S SEED STORE, 14 Barclay St., New York.
A. T. BODDINGTON, 342 West 14th St., New York

Always mention the American Florist when you order stock.

—THE—
Florists' Hail Association
Insures over 23,000,000 square feet of glass. for particulars address
JOHN G. ESLER, Sec'y, SADDLE RIVER, N. J.

You heard of, if you did not see, our exhibit at the Convention.

HIGHLY RECOMMENDED
for natural prepared variegated Magnolia Wreaths, Adiantums, natural prepared Christmas Trees and Cycas Wreaths with Asters.
Keep your "I" on the enterprising florists' supply house.
J. STERN & CO.
1928 Germantown Ave., PHILADELPHIA, PA.



CHEAPEST AND BEST.
If you doubt it try them and be convinced.
Send for descriptive price circular.
J. D. Carmody, Evansville, Ind.

Tobacco Dust
FOR FUMIGATING.
It would pay large users of dust to communicate with us and get samples and prices.
Edwin L. Koppelman & Co., 81 PINE STREET, NEW YORK.

LUMBER for Greenhouse Benches, Ship Lap, Drop Siding, Sheathing, Flooring, White Cedar Posts, Etc.
We are in special position to furnish "PECKY CYPRESS" everything in PINE and HEMLOCK BUILDING LUMBER. WRITE FOR PRICES.
Adam Schillo Lumber Co. Cor. Weed and Hawthorn St., CHICAGO. Tel. North 1626 and 1627.

Wired Toothpicks
10,000, $1.50; 50,000, $6.25. Manufactured by
W. J. COWEE, BERLIN, N. Y.
Sample free. For sale by dealers.

Ready Reference Advertising.

ADVERTISEMENTS IN THIS DEPARTMENT 10 CENTS PER LINE, CASH WITH ORDER.
COPY MUST REACH US MONDAY OF THE WEEK IN WHICH IT IS TO APPEAR

ACHYRANTHES.

Achyranthes, 3-in., $5 per 100; 2-in., $2 per 100. Ludvig Mosbaek, Onarga, Ill.

AGERATUMS.

Ageratum, Little Blue Star, dwf., 2¼-in., $2 per 100; 35c per doz. Ludvig Mosbaek, Onarga, Ill.

ALTERNANTHERAS.

Alternantheras, red and yellow, $2 per 100; $15 per 1,000. R. Vincent, Jr., & Son, White Marsh, Md.

Alternantheras, R. C., 4 vars., $4 per 1,000. Ludvig Mosbaek, Onarga, Ill.

ALTHEAS.

Althea Edward Bellamy, best double white, 2 to 3 feet, to close out, $5 per 100; $40 per 1,000. The E. Y. Teas Co., Centerville, Ind.

ARAUCARIAS.

Araucaria Excelsa, 6-in., 16 ins., 4 whls., $1 each; $12 per doz.; 6-in., 18 ins., 4 whls., $1.25 each; $15 per doz. 7-in., 22 ins., 5 whls., $1.50 each; $18 per doz. Glauca, 5-in., 12 ins., 3 whls., $1 each; $12 per doz. 6-in., 13 to 15 ins., 3 to 4 whls., $1.25 each; $15 per doz. 7-in., 18 to 20 ins., 4 to 5 whls., $1.50 each; $18 per doz. 7-in., 22 to 24 ins., 4 to 5 whls., $2 each; $24 per doz. 9-in., 30 ins., 4 to 5 whls., $3 each. 9-in., 34 ins., 5 whls., $4 each. Robusta Com., 5-in., 10 ins., 2 whls., $1 each; $12 per doz. 6-in., 12 ins., 2 to 3 whls., $1.50 each; $18 per doz. 7-in., 28 ins., 5 whls., $3 each. 8-in., 32 ins., 5 to 6 whls., $4 each. Vaughan's Seed Store, Chicago and New York.

Araucaria Excelsa, 12 to 14 ins., 5½-in., pots, 3 to 4 trs., 2-yr., 50c; 14 to 16 ins., 5½-in. pots, 3 to 4 trs., 2-yr., 60c; 16 to 18 ins., 5½ to 6-in. pots, 4 to 5 trs., 3-year, 75c; 18 to 20 ins., 6-in. pots, 5 to 6 trs., 4-yr., $1; 20 to 24 ins., 6-in. pots, 5 to 6 trs., 4-yr., $1.25; 36 to 50 ins., Specimen, 7-in. pots, 5 to 6 trs., 6-yr., $2.50 to $3. A. Compacta Robusta, 12 to 20 ins. high, 3 to 4 trs., 20 to 30 ins., 4 to 5-yr., 6 to 7-in., $1.25, $1.50, $1.75, $2 up to $3 each. A. Excelsa Glauca, 6 to 7-in. pots, 3, 4 and 5 trs., 15 to 25 ins., $1.25, $1.50, $1.75, $2, $2.50 each. G. Aschmann, 1012 Ontario St., Philadelphia.

Araucaria Excelsa, 5-in., 8 to 10 ins., 3 trs., 65c each; 6-in., 12 to 14 ins., 3 to 4 trs., 75c; 6-in., 14 to 16 ins., 4 trs., $1; 6-in., 16 to 18 ins., 4 trs., $1.25; 7-in., 20 to 22 ins., 5 trs., $1.50. Excelsa glauca, 5-in., 8 ins., 2 trs., 75c; 6-in., 13 to 15 ins., 3 trs., $1.25; 7-in., 22 to 24 ins., 4 to 5 trs., $2. Robusta Compacta, 6-in., 10 ins., 2 to 3 trs., $1.25; 6-in., 12 ins., 3 trs., $1.50. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Araucaria Excelsa, 4-in., 2 to 3 trs., 35c each; $4 per doz.; 5-in., 3 trs., 75c each; $9 per doz.; 6-in., 3 to 4 trs., $1 each; $12 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Araucaria excelsa, 5-in., 3 to 4 trs., 50c to 75c; 5½ to 6-in., 4 to 5 trs., $1 to $1.25; 7-in., $1.50 to $2.50; 8-in., 3½ ft., $3 to $3.50. A. Schultheis, College Point, N. Y.

Araucaria Excelsa. R. Dreyer, Woodside, L. I., N. Y.

Araucarias. L. Van Houtte Pere, Ghent, Belgium.

ASPARAGUS.

Asparagus plumosus, 2¼-in., $2 per 100; $18 per 1,000. Jos. H. Cunningham, Delaware, O.

Asparagus plumosus, 4-in., 10c. G. Aschmann, 1012 Ontario St., Philadelphia.

Asparagus plumosus, 2¼-in., $3; 3-in., $5. W. H. Gullett & Sons, Lincoln, Ill.

Asparagus Crawshawi, seedlings, $3 per 100; $25 per 1,000; transplanted seedlings, $5 per 100; $40 per 1,000; sample, 10c. James Crawshaw, 403 Plainfield St., Providence, R. I.

Asparagus plumosus, 4½-in., $10 per 100; $1.35 per doz. 4-in. plumosus and Sprengeri, $1.10 per doz.; $8 per 100; $75 per 1,000; 3-in., 65c per doz.; $5 per 100; $45 per 1,000; 2¼-in., 35c per doz.; $2.50 per 100; $22.50 per 1,000. Ludvig Mosbaek, Onarga, Ill.

Asparagus plumosus, 2-in., $3 per 100; 3-in., $6. Sprengeri, 2-in., $3 per 100; 3-in., $6; 4-in., $1.25 per doz.; 5-in., $2. Scandens Defi, 3-in., $1.50 per doz.; 4-in., $2 per doz. George Wittbold Co., 1657 Buckingham Pl., Chicago.

Asparagus plumosus, 2-in., $3 per 100; $25 per 1,000. 2½-in., $4 per 100; $40 per 1,000; 3-in., $7 per 100; $65 per 1,000. Strong seedlings, $1.50 per 100; $12 per 1,000. Vaughan's Seed Store, Chicago and New York.

Asparagus plumosus nanus, 15,000 fine young plants from 2¼-in. pots, worth $3, to close out, $1.50 per 100; $15 per 1,000. The W. T. Buckley Co., Springfield, Ill.

Asparagus plumosus, 2¼-in., $2.50; 3-in., $5; 4-in., $8. Sprengeri, 2¼-in., $2.50; 3-in., $4; 4-in., $6; per 1,000, $55. All strong plants, ready for larger pots. Goshen Floral Co., Goshen, Ind.

Asparagus plumosus and Sprengeri, 2-in., $3 per 100; $25 per 1,000; from bench, $2.50 per 100; $20 per 1,000. Wm. Clark, Colorado Springs, Col.

Asparagus plumosus, 4-in., $1.50 per doz.; 4½-in., $2 per doz.; extra large 4½-in., $3 per doz. Sprengeri, $5 per 100. A. Schultheis, College Point, N. Y.

Asparagus plumosus, 3-in., $5 per 100. Sprengeri, 3½-in., $6 per 100. Scharff Bros., Van Wert, O.

Asparagus plumosus, 2-in., $2.50 per 100; $20 per 1,000. W. F. Kasting, 383 Ellicott St., Buffalo, N. Y.

Asparagus, strong 2½-in. plumosus plants at $2 per 100. J. W. Munk & Son, Mt. Gilead, Ohio.

Fine Asparagus Robusta Compacta in 4-in. pots, $15 per 100. R. D. Herr, Refton, Pa.

Asparagus Sprengeri, 3½-in., $5 per 100. Plumosus, 3½-in., $6 per 100. Pochlmann Bros. Co., Morton Grove, Ill.

Asparagus Sprengeri, 2½-in., $3 per 100; $25 per 1,000. Field clumps, $6 per 100. J. W. Dunford, Clayton, Mo.

Asparagus Sprengeri, 2-in., $2.50 per 100; plumosus, 2-in., $3 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus Sprengeri, 2½-in., $4 per 100. Scheiden & Schoos, Evanston, Ill.

Asparagus Sprengeri, 2½-in., $2 per 100. Byer Bros., Chambersburg, Pa.

ASPIDISTRAS.

Aspidistras, all sizes. Write for prices. Frank Huntsman, Cincinnati, Ohio.

AZALEAS.

Azaleas, 10,000 leading varieties. Cottage Gardens Co., Queens, N. Y.

Azaleas. L. Van Houtte Pere, Ghent, Belgium.

Azaleas. Jacs Smits, Ltd., Naarden, Holland.

BAY TREES.

Bay trees, pyramids, 50 to 60 ins., $14 per pair; 65 to 70 ins., $16 to $18 per pair. A. Schultheis, College Point, N. Y.

Bay trees, fine stock. D. Dreyer, Woodside, L. I., N. Y.

Bay trees. L. Van Houtte Pere, Ghent, Belgium.

BEGONIAS.

Twelve named varieties Begonia Rex in 3-in. pots, $8 per 100. R. D. Herr, Refton, Pa.

Begonia Rex, 2 and 2½-in., $5 per 100. Geo. M. Emmans, Newton, N. J.

Begonias. L. Van Houtte Pere, Ghent, Belgium.

BOUGAINVILLEAS.

Bougainvilleas, Glabra Sanderiana, 4-in., $20 per 100. Storrs & Harrison Co., Painesville, O.

BULBS, ROOTS, TUBERS.

Bulbs, lilies, Japan longiflorum, 7 to 9 in., case of 300, $14.25; 9 to 10 in., case of 200, $15; multiflorum, 7 to 9 in., case 300, $15; 9 to 10 in., case 200, $17; giganteum, 7 to 9 in., case 300, $18.75; 9 to 10 in., case 200, $21. Lilium candidum, $5 per 100. Narcissus, Paper White grandi, 13 to 15 ctm., case of 1,250, $11.25; dbl. Von Sion, 1st size, $9 per 1,000; extra, $12; mammoth, $20; Princeps, $7 per 1,000; Golden Spur, $18; Empress, $20; Alba plena odorata, $6; Barri con., $8; Poeticus, $4.50; P. ornatus, $7. White Roman hyancinths, 12 to 15 ctm., $23 per 1,000; 13 to 15 ctm., $28. Freesia refracta alba, $7.50 per 1,000. Bermuda Buttercup, oxalis, $7.50. Spanish Iris, 4 best sorts, $5 per 1,000; mixed, $2.50. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Bulbs, home-grown freesias, large size, $1 per 100; $7 per 1,000; blooming size, $75 per 100; $4.50 per 1,000; small blooming size, 50c per 100; $3.50 per 1,000. Stokes Seed Store, 219 Market St., Philadelphia.

Bulbs, white Roman hyacinths, 12x15 ctms., $2.75 per 100; $25 per 1,000; 13x15 ctms., $3.75 per 100; $35 per 1,000; 15 and over, $5 per 100; $45 per 1,000. Tulips in var. W. W. Rawson & Co., 5 Union St., Boston.

Bulbs, Romans, Paper Whites, also Dutch bulb stock in full assortment. Our prices f. o. b. Denver, are to western buyers' advantage. Barteldes Seed Co., Denver, Col.

Bulbs, callas, 1½ to 2-in., $6 per 100; $55 per 1,000; 2 to 3-in., $10 per 100; $95 per 1,000. Freesias, ¾-in., 85c per 100; $7.50 per 1,000. Perennial Gardens Co., Toledo, O.

Bulbs, Narcissus Empress and Henry Irving, Candidum lilies. E. F. Winterson Co., 45 Wabash Ave., Chicago.

Bulbs. L. Harrisii, R. hyacinths, P. W. narcissus, freesias. Weeber & Don, 114 Chambers St., New York.

Bulbs, hyacinths, tulips, narcissus, crocus, lilies, etc. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs, hyacinths, tulips, narcissus, crocus, lilies, callas, freesias. James Vick's Sons, Rochester, N. Y.

Bulbs, all fall bulbs for florists and seedsmen. Vaughan's Seed Store, Chicago and New York.

Bulbs, Roman hyacinths, 12 to 15, $2.50 per 100. Storrs & Harrison Co., Painesville, O.

Bulbs of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Bulbs, California grown. Leedham Bulb Co., Santa Cruz, Cal.

Bulbs of all kinds. Currie Bros. Co., 308 Broadway, Milwaukee, Wis.

Cannas, 5 vars., field clumps, $10 per 100. Jos. H. Cunningham, Delaware, O.

Cannas of all vars. Dingee & Conard Co., West Grove, Pa.

Cannas. John Wolf, Ott and Anderson St., Savannah, Ga.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

If you do not find what you need in our Ready Reference Department, write us about it.

Cannas, bronze, discolor, $7.50 per $1,000; $1 per 100. Robusta, $6 per 1,000; 80c per 100. Burbank, $6 per 1,000; 80c per 100. Chas. Henderson, $10 per 1,000; $1.25 per 100. Allemania, $7.50 per 1,000; $1 per 100. Tall F. Vaughan, $10 per 1,000; $1.25 per 100. Mlle. Berat, $10 per 1,000; $1.25 per 100. My selection of above, etc., per 10,000, $60. Bronze mix., yellow shades, —red, $5 per 1,000; 70c per 100; all shades, $4.50 per 1,000; 60c per 100; all shades separate, 10,000, $45. Ludvig Mosbaek, Onarga, Ill.

CAMELLIAS.

Camellias, Julius Roehrs Co., Rutherford, N. J.

CARNATIONS.

CARNATIONS.

	100	1,000		100	1,000
Pink.			White.		
Fiancee	..$6		B. Market..	$5	$45
Lawson	... 6	$50	F. Burki...	7	60
N. Fisher...	7	60	F. Hill.....	5	45
G. Angel..	4	35	W. Cloud...	5	45
M. Glory...	4	35	Red and Crimson.		
White.			Chicago ...	$5	$45
L. Peary...	8	75	H'warden...	6	50

Wietor Bros., 51 Wabash Ave., Chicago.

Carnations, Lawson, Hill, $4.50 per 100. Crusader, $5 per 100. Prosperity, $4 per 100. M. Glory, $4 per 100; $35 per 1,000. G. Angel, Peru, Glacier, W. Cloud, Harlowarden, Roosevelt, $3.50 per 100; $30 per 1,000. Estelle, small, $3 per 100. Crabb & Hunter, Grand Rapids, Mich.

Carnations, Pink Lawson, B. Market, $4 per 100; $35 per 1,000. Red Lawson, Var. Lawson, Estelle, $5 per 100; $45 per 1,000. Mrs. Nelson, $3.50 per 100; $30 per 1,000. M. Glory, $3 per 100; $30 per 1,000. Batavia Greenhouses, Batavia, Ill.

Carnations, field-grown, B. Market, N. Fisher, $3 per 100; $25 per 1,000. M. Glory, $4 per 100; $30 per 1,000. Crusader, $5 per 100; $40 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

Carnations, field-grown, 300 Lawson, 800 Marquis, 225 Wolcott, 100 F. Hill, 300 Lord, 300 Bradt, 250 Joost, $4 per 100; 190 L. Bountiful, $5 per 100. E. Haentze, Fond du Lac, Wis.

Carnations, field-grown, White Perfection, $12 per 100. The Belle, $7 per 100. H. Fenn, $6 per 100. John E. Haines, $10 per 100. F. Dorner & Sons Co., La Fayette, Ind.

Carnations, field-grown, No. 1 stocky plants, Enchantress, Alaska, Mrs. Nelson, Harlowarden, Joost, Norway, $5 per 100. William L. Rock Flower Co., Kansas City, Mo.

Carnations, B. Market, $4 per 100; $30 per 1,000. G. Angel, $3 per 100; $25 per 1,000. Harlowarden, Crusader, $4 per 100; $35 per 1,000. Scheiden & Schoos, Evanston, Ill.

Carnations, field-grown plants, fine healthy stock, Lawson, Crusader, Boston Market, $5 per 100; $45 per 1,000. Mrs. A. M. Schafer, 229 Balmoral Ave., Chicago.

Carnations, Abundance, field-grown, 1st size, $12 per 100; $100 per 1,000; 2nd size, $10 per 100; $75 per 1,000. R. Fischer, Great Neck, L. I., N. Y.

Carnations, field-grown, healthy plants, Joost, Queen Louise, $5 per 100. H. Madsen, 395 New Bridge, West Springfield, Mass.

Carnations, Victory and Robert Craig, medium, field plants, $1.50 per doz.; $12 per 100. Vaughan's Seed Store, Chicago and New York.

Carnation Victory, field-grown, 1st size, $15 per 100; 2nd size, $12; 3rd size, $10. Guttman & Weber, 43 W. 28th St., New York.

Carnation plants, Marie Louise and Lawson, $4.50 per 100; $40 per 1,000. Holton & Hunkel, Milwaukee, Wis.

Carnations, Joost, Wolcott, Pond, Prosperity, W. Lawson, $5 per 100. M. J. Schaaf, Danville, N. Y.

Carnations, Norway, $3 per 100; Lawson and B. Market, $4.50. W. H. Gullett & Sons, Lincoln, Ill.

Carnations, 1,500 Norway, $3.50 per 100; $30 per 1,000. J. W. Dunford, Clayton, Mo.

Carnations, field-grown, Crane, $3 per 100. Fine plants. Thos. Salveson, Petersburg, Ill.

Carnations, Crane, Flamingo, $3 per 100; $25 per 1,000. Blanksma Bros., Grand Rapids, Mich.

Carnations, Lady Bountiful and Phyllis. E. F. Winterson Co., 45 Wabash Ave., Chicago.

Carnation Mabelle, new, $12 per 100; $100 per 1,000. H. Weber & Sons Co., Oakland, Md.

Carnations, potted stock, 6c. Levant Cole, Battle Creek, Mich.

Carnation, Bertha Rath. R. Dreyer, Woodside, L. I., N. Y.

Carnations for fall delivery. Wood Bros., Fishkill, N. Y.

Carnations. J. D. Thompson Carnation Co., Joliet, Ill.

CHRYSANTHEMUMS.

Chrysanthemums, G. of Pacific, Polly Rose, Soleil d'October, Robinson, Ivory, Appleton, Pink Ivory, $3 per 100. J. Jones, Mrs. Robert McArthur, Mrs. Coombes, G. Wedding, Yellow Eaton, Monrovia, $4 per 100. Lady Roberts, A. J. Balfour, Wm. H. Chadwick, $6 per 100. Glenview, $25 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Chrysanthemums, Monrovia, 75c per doz.; Rosiere, $1.50 per doz.; C. Touset, $1 per doz.; October Frost, $1.50 per doz. Eli Cross, Grand Rapids, Mich.

Chrysanthemum novelties. Chas. H. Totty, Madison, N. J.

Chryanthemums. Wood Bros., Fish kill, N. Y.

CIBOTIUMS.

Cibotium Schiedei, 6½ to 7-in., $2 to $2.50 each. A. Schultheis, College Point, N. Y.

CLEMATIS.

Clematis, large flower, finest sorts, 2-yr., 12c. Paniculata, 6c. W. H. Salter, Rochester, N. Y.

COBOEA.

Coboea Scandens, 4-in., $8 per 100. Godfrey Aschmann, 1012 Ontario St., Philadelphia, Pa.

COLEUS.

Coleus, in var., 3-in., $5 per 100. Ludvig Mosbaek, Onarga, Ill.

COREOPSIS.

Coreopsis lanceolata, field clumps, $3 per 100. Otto Hacker, R. D. 1, Painesville, O.

CROTONS.

Crotons. Julius Roehrs Co., Rutherford, N. J.

DAHLIAS.

Dahlias, improved Countess of Lonsdale, cactus type, 6 for $1; $1.75 per doz.; $12 per 100. Arthur T. Boddington, 342 W. 14th St., New York.

DAISIES.

The Transvaal Daisy (Gerbera Jamesoni). The handsomest brilliant scarlet flowered herbaceous plant in existence. Strong field-grown clumps, $12 per 100. Bobbink & Atkins, Rutherford, N. J.

Daisies, dbl., leading vars., $2.50 per 1,000. Byer Bros., Chambersburg, Pa.

Daisies, dbl., 25c per 100 by mail. F. A. Blinn, Cromwell, Conn.

DEUTZIAS.

Deutzias, in variety. W. & T. Smith Co., Geneva, N. Y.

DRACAENAS.

Dracænas, fragrans, 6-in., $6 per doz.; 7-in., $9; 8-in., $15 per doz. Lindeni, 6-in., $9 per doz.; 7-in., $18 per doz.; Indivisa, 4-in., $10 per 100; 5½-in., $20 per 100; Terminalis, 5-in., $4 per doz.; 5½-in., $5 per doz.; 7-in., $15 per doz. A. Schultheis, College Point, N. Y.

Dracæna, Ind., 4-in., $8; 3-in., $5, 2¼-in., $2.50 per 100. Ludvig Mosbaek, Onarga, Ill.

Dracænas. Julius Roehrs Co., Rutherford, N. J.

Dracæna fragrans, 5-in., 50c each; $5 per doz.; D. indivisa, 2-in., $2.50 per 100; 6-in., 20 to 26 ins., 50c each; $5 per doz.; 7-in., 30 to 34 ins., 75c each; $9 per doz. D. Mass., 8-in., $2 each; 9-in., $3 each. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Dracæna indivisa, field-grown, 5-in., $15 per 100; 6-in., $25 per 100. Storrs & Harrison Co., Painesville, O.

Dracæna indivisa, 4 and 5 in., $10 and $25 per 100. Geo. M. Emmans, Newton, N. J.

ERICAS.

Erica Gracilis, beautiful pot-grown plants for forcing. Delivery about October 20. Price, $37.50, $45 and $55 per 100, according to size; 100 plants in each case. H. Frank Darrow, 26 Barclay St., New York.

FERNS.

Ferns, prepaid, Boston, 4-in., 18c; 5-in., 30c; 6-in., 45c; 8-in., $1.25; 10-in., $1.75; Pierson fern, 4-in., 20c; 5-in., 35c; 6-in., 50c; 8-in., $1.50; 10-in., $2 each. Anna Foster, same prices as Pierson fern. N. Wittboldi and N. Washingtoniensis, 2½-in., 6c; 3-in., 12c; 4-in., 25c; 6-in., 50c; 8-in., $2 each. N. Barrowsii, 2½-in., 8c; 3-in., 25c; 4-in., 40c; 6-in., 75c; 8-in., $2.50; 10-in., $4 each. N. Whitmani, 2½-in., 25c; 4-in., 60c; 6-in., $1.25 each. N. Elegantissima, 2½-in., 8c each. B. N. Wichers & Co., Gretna, La.

Ferns, Boston, 2½-in., 60c per doz.; $5 per 100. 3-in., $1.50 per doz.; $10 per 100. 4-in., $2.50 per doz.; $20 per 100. 5-in., 50c each; $5 per doz.; $40 per 100. 6-in. pans, 75c each; $8 per doz.; $60 per 100. 7-in., $1 each; $10 per doz.; $75 per 100. 8-in., $1.50 each. $15 per doz. 9-in., $2 to $2.50 each. 10-in., $3 to $3.50 each. 12-in., $4 to $5 each. Ferns for dishes, asst., 2¼-in., $3 per 100; $25 per 1,000. Vaughan's Seed Store, Chicago and New York.

Ferns, Boston and Piersoni, 10-in., $2 each; $20 per doz.; 8-in., $1 each; $10 per doz. Boston, Piersoni, Anna Foster and Sword, 6-in., $5 per doz.; $40 per 100; 4-in., $2 per doz.; $15 per 100; $125 per 1,000; 3-in., $1 per doz.; $8 per 100; $75 per 1,000; 2¼-in., 50c per doz.; $3.50 per 100; $30 per 1,000. Elegantissima, 4-in., $4 per doz.; $30 per 100; 3-in., $2 per doz.; $15 per 100; $125 per 1,000; 2¼-in., $1.25 per doz.; $8 per 100; $70 per 1,000. Ludvig Mosbaek, Onarga, Ill.

Ferns, Boston, 5-in., $3 per doz.; 6-in., $5 per doz.; 6½-in., $9 per doz.; 8-in., $15 per doz.; 11-in., $2.50 to $3 each. Specimens, 12-in., $5, $6 and $7 each; 14-in., $15 per pair. Scottii, 5½-in., $3 per doz.; 6-in., $6 per doz.; 7 and 8-in., $12 per doz. Elegantissima, 5½-in., $5 per doz. Whitmani, 4½-in., $6 per doz. Piersoni, 5-in., $4 per doz.; 6-in., $6 per doz.; 6½-in., $9 per doz.; 7-in., $12 per doz. A. Schultheis, College Point, N. Y.

Ferns, Boston, strong runners, $2 per 100; 5-in., $25 per 100; 6-in., $40 per 100; 7-in., $60; 8-in., $75 per 100; 10-in., $1.50 each. Piersoni, 5-in., $25 per 100; 6-in., $40 per 100; 7-in., $60. Scottii, 5-in., $25 per 100; 6-in., $40 per 100; 7-in., $60 per 100. Elegantissima, 2½-in., $5 per 100. Whitmani, young plants from bench, $10 per 100. Davis Bros., Marrison, Ill.

Ferns, Boston, 4-in., $1.50 per doz.; 5-in., $3; 6-in., $4.20; 6-in., strong, $6; 7-in., $9. Large specimens, $1.50, $2, $3 each. Assorted ferns for dishes, $3 per 100; $25 per 1,000. Scottii, 10-in., $2 each. Fern Balls, 7 to 9 dormant or in leaf, $4.20 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Ferns, N. Barrowsii, 6-in., 50c; 4-in., 25c. Scottii, 6-in., 50c; 5½-in., 40c; 5-in., 35c; 4-in., 20c to 25c. Boston, 4-in., 20c to 25c. Ferns for dishes, 2½-in., $5 per 100; 3-in., 7c. G. Aschmann, 1012 Ontario St., Philadelphia.

Ferns, Boston and Piersoni, 4-in., 10c; 5-in., 12½c; Boston, 6 and 7-in., 15c; 3-in., 5c; Tarrytown, 3-in., 10c; 4-in., 15c; 6-in., 25c; runners, $2 per 100; Scottii, 3-in., 8c; 4-in., 12½c., 5-in., 15c. Byer Bros., Chambersburg, Pa.

Ferns, Farleyense, Julius Roehrs Co., Rutherford, N. J.

If you do not find what you need in our Ready Reference Department, write us about it.

Ferns, N. Piersoni Elegantissima, 2¼-in. pots, $12 per 100; specimen plants, 6-in., $1 each; 8-in., $2; 10-in., $3; 12-in., $5; 14-in., $7.50; 16-in., $10. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns, Piersoni, 6-in., 35c; 5-in., 25c; 4-in., 15c. Boston, 5-in., 25c; 4-in., 15c. Scottii, 5-in., 30c; 4-in., 20c. Anna Foster, 2½-in., 4c. Benj. Connell, West Grove, Pa.

Ferns, N. Whitmani, 2¼-in., $25 per 100. Boston, 2¼-in., $3 per 100. H. H. Barrows & Sons, Whitman, Mass.

Ferns, N. Piersoni, 100 3 and 3½-in., strong healthy plants, $8 takes the bunch. Chas. H. Talbot, Anita, Iowa.

Ferns, Boston, from bench, for 4 and 5-in., $10 and $15 per 100. J. W. Dunford, Clayton, Mo.

Ferns, orders booked now for N. Amerpohlii. Janesville Floral Co., Janesville, Wis.

Ferns, Boston, Piersoni, Elegantissima, Scottii, cheap. W. W. Coles, Kokomo, Ind.

Ferns, Boston, 5-in., 30c each. Piersoni, 6-in., 50c. each. Geo. M. Emmans, Newton, N. J.

Ferns, Boston, 5-in., $25; Specimens, 75c and $1. W. H. Gullett & Sons, Lincoln, Ill.

Fernery ferns, 2½-in., at $3 per 100. Holton & Hunkel Co., Milwaukee, Wis.

Ferns, Boston, 4 and 5-in. John Wolf, Ott and Anderson St., Savannah, Ga.

Ferns, Scottii, 5-in., $25 per 100. Holton & Hunkel Co., Milwaukee, Wis.

Ferns, all leading varieties. R. Dreyer, Woodside, L. I., N. Y.

FICUS.

Ficus, 6-in., $6 per doz.; 6½-in., branched, $9 per doz.; 6½-in., single, $8 per doz.; 7-in., branched, $9 per doz.; 10-in., 3 in pot, $2 to $2.50 each. A. Schultheis, College Point, N. Y.

Ficus elastica, 5-in., 12 to 14 ins., $5 per doz.; $40 per 100. Vaughan's Seed Store, Chicago and New York.

Ficus elastica, 6-in., 50c each. G. Aschmann, 1012 Ontario St., Philadelphia.

Ficus, 4 and 5-in., 15c and 25c. Byer Bros., Chambersburg, Pa.

GERANIUMS.

Geraniums, from 2-in. pots. Alliance, Lemoine, 1905, 25c each; $2 per doz. Fleuve Blanc, $1.50 per doz.; $10 per 100. Cactus, 4 vars., $2 per doz., $15 per 100. Double Dryden, $1 per doz.; $5 per 100. Nutt, La Pilote, Poitevine, Mme. Barney, Centaure, Kendall, Mme. Jaulin, Viaud, Mme. Charlotte, 40c per doz.; $2 per 100; $18 per 1,000. Ville de Poitiers, M. de Castellane, Berthe de Presilly, M. Jolly de Bammeville, T. Meehan, 50c per doz.; $3 per 100; $25 per 1,000. R. Vincent, Jr. & Son, White Marsh, Md.

Geraniums, stock plants, Ricard, Perkins, La Favorite, Buchner, Nutt, Hill, Trego, Poitevine, ivy leaved, Doyle, G. Bedder, Pricely, A. Vincennes, Viaud, Soliel, Jaulin, Castellane, Gaar, L'Aube, Happy Thought, Pollock, Parks, Mme. Languth, Prince Bismarck, Mt. of Snow, Mme. Salleroi, Charlotte, etc., $5 per 100; 3-in., $4 per 100; 2¼-in., $18 per 1,000; $2 per 100; R. C., $10 per 1,000; $1.25 per 100. Ludvig Mosbaek, Onarga, Ill.

Geraniums, rooted cuttings, Nutt, Perkins, Buchner, Doyle, $1.25 per 100; $12.50 per 1,000. Viaud, Jaulin, Poitevine, L. Francis, Ricard, Castellane, Trego, $1.50 per 100; $15 per 1,000. Peter Henderson, $2 per 100; $20 per 1,000. Fleuve Blanc, $5 per 100; $50 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, S. A. Nutt, Castellane, John Doyle, Perkins, Double Gen. Grant, La Favorite, Poitevine, Mme. Salleroi, 2-in. pots, $2 per 100; R. C., $1 per 100. Geo. M. Emmans, Newton, N. J.

GLOXINIAS.

Gloxinias. L. Van Houtte Pere, Ghent, Belgium.

GREENS.

Greens, dagger and fancy ferns, $1 per 1,000. Bronze and green galax, $1 per 1,000; 10,000 lots, $7.50. Bouquet green, per 100 yds., $7. Laurel festooning, 5c and 6c per yd. Laurel wreaths, $3 per doz.; branch laurel, per bunch, 50c. Boxwood, per lb., 20c. Leucothoe sprays, per 100, $1. Green and Spaghnum moss, $1 per barrel. Lyrata (new). H. M. Robinson & Co., 8 Province St., Boston, Mass.

Greens of all kinds, holly and other wreaths, wreathing, etc. We wish to buy in car lots—holly, mistletoe, southern smilax, needle pine, magnolia, sago and other palm leaves. H. Woods, 127 S. Water St., Chicago.

Greens, galax, leaves, ferns and leucothoe sprays, holly. Princess pine, all kinds of evergreens. Galax leaves, $1 per 1,000. N. Lecakes & Co., 53 W. 28th St., New York.

Decoration Material, fancy fern leaves, also galax, green sheet moss, etc. Ask for latest price list. Barteldes Seed Co., Denver, Colo.

Greens, cut palmetto and cycas palm leaves, galax, leucothoe, ferns, mosses and all decorating evergreens. The Kervan Co., 20 W. 27th St., New York.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 52 W. 28th St., New York.

Greens, fancy ferns, $1 per 1,000. Galax, $1.25. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. A. J. Fellouris, 52 W. 28th St., New York

Greens, fadeless sheet moss and wild smilax. E. A. Beaven, Evergreen, Ala.

Greens, fancy or dagger ferns, 75c. Perkins, Newark, N. J.

HARDY PERENNIALS.

Hardy perennials, Aster Novæ-Angliæ, 2-yr., 40c per 10; $3 per 100. Rudbeckia, laciniata, 2-yr., 40c per 10; $3 per 100. Dianthus barbatus, 2-yr., 50c per 10; $3.50 per 100; Chinensis grandi., 2-yr., 50c per 10; $4 per 100. Calliopsis lanceotata, 2-yr., 40c per 10; $3 per 100. Phlox, separate colors, 2-yr., 50c per 10; $4 per 100; mixed seedlings, 2-yr., 40c per 10; $3 per 100. Valley Farms Nursery Co., Brookfield Center, Conn.

Hardy pinks, field-grown, Essex Witch, M. Gray, Abbottsford, 3½c. Byer Bros., Chambersburg, Pa.

Herbaceous perennials, 967 varieties. Bay State Nurseries, North Abington, Mass.

Phlox, leading vars. Cottage Gardens Co., Queens, N. Y.

Phlox, iris, pinks, etc. Vick & Hill, Rochester, N. Y.

Phlox, finest, 4c. W. H. Salter, Rochester, N. Y.

HIBISCUS.

Hibiscus Syriacus Meehani. P. J. Berckmans Co., Inc., Augusta, Ga.

HOLLYHOCKS.

Hollyhocks, dbl., 4 colors, 1-yr., 3c. Byer Bros., Chambersburg, Pa.

HYDRANGEAS.

Hydrangea rosea, 3-in., $1 per doz.; $8 per 100. Otaksa and Thos. Hogg, 4-in., 2 to 3 branches, $10 per 100; 3 to 4 branches, $15 per 100. Vaughan's Seed Store, Chicago and New York.

Hydrangeas, Otaksa and Thos. Hogg, 7-12 crowns, $12 per 100; 5-6, $9 per 100; 4, $7 per 100. Jackson & Perkins Co., Newark, N. Y.

Hydrangea Otaksa, 7 and 8-in., $25 per 100. W. F. Kasting, 383 Ellicott St., Buffalo, N. Y.

Hydrangea Otaksa, field-grown, $1.50 and $2 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

500 Hydrangea P. G., 2-3 ft., $6 per 100. Otto Hacker, R. D. 1, Painesville, O.

Hydrangea Arborescens Alba Grandi. E. G. Hill Co., Richmond, Ind.

IVY.

Ivy, hardy English, $2 per 100; $15 per 1,000. R. Vincent, Jr. & Son, White Marsh, Md.

Ivy, English, 4½-in., $2 per doz.; $15 per 100. A. Schultheis, College Point, N. Y.

JERUSALEM CHERRIES.

Jerusalem cherries, 3½-in. in bloom, $4 per 100. J. W. Dunford, Clayton, Mo.

MARANTAS.

Maranta Lietzii, 2½-in., $1 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

MUSHROOM SPAWN.

Mushroom Spawn, pure culture spawn, and importers of English mushroom spawn. Knud Gundestrup & Co., 4273 Milwaukee Ave., Chicago.

Mushroom spawn, fresh new culture spawn always in stock for quick delivery at eastern prices. Barteldes Seed Co., Denver, Col.

Mushroom spawn, Columbia, Alaska, Bohemia. Cochran Mushroom & Spawn Co., 911 Chemical Bldg., St. Louis, Mo.

Mushroom Spawn, English and pure culture. Weeber & Don, 114 Chambers St., New York.

Mushroom Spawn, frequent importations from England. J. J. Styer, Concordville, Pa.

NURSERY STOCK.

Nursery stock, Betula populifolia, 8 to 10, $5 per 10; $45 per 100; 10 to 12, $7 per 10; $65 per 100. Populus fastigiata, 16 to 18, $12.50 per 10; $110 per 100. Platanus occidentalis, 12 to 14, $15 per 10; $100 per 100. Euonymus Americanus, 4 to 5, $2 per 10; $16 per 100. Ligustrum ovalifolium, 3 to 4, 50c per 10; $4.50 per 100; 4 to 5, 65 per 10; $6 per 100; 5 to 6, 80c per 10; $7.50 per 100; 7 to 8, $1.20 per 10; $10 per 100. Valley Farns Nursery Co., Brookfield Center, Conn.

Nursery stock, Norway, sugar and Schwedler maples; Oriental pines, lindens, elms, birch, oaks. Abies, piceas, pines, retinosporas, Junipers, taxus, thuyas, biotas, boxwood. Cottage Gardens Co., Queens, N. Y.

Nursery stock, shade trees, fruit trees, small fruits, shrubs, clematis, Barberry Thungerii. W. & T. Smith Co., Geneva, N. Y.

Nursery stock, trees and shrubs. Price list on application. Peterson's Nursery, 503 W. Peterson Ave., Chicago.

Calycanthus, sweet shrub, 1½ to 2 feet transplanted, $5 per 100. The E. Y. Teas Co., Centerville, Ind.

Nursery stock, evergreen and deciduous flowering shrubs and vines. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, pot-grown shrubs, conifers and ornamental stock. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, Biota aurea nana, conifers, oranges, etc. P. J. Berckmans Co. (Inc.), Augusta, Ga.

Nursery stock, large trees, oak, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, plants and shrubbery of all kinds. Dingee & Conard Co., West Grove, Pa.

ORCHIDS.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England; New York office, room 1, 235 Broadway.

Orchids, C. Dowiana, C. Gigas, C. Mossiæ, C. Percivaliana, C. speciosissima, C. Eldorado, C. superba, C. labiata, C. Leopoldii. Lager & Hurrell, Summit, N. J.

Orchids, C. labiata blooms and plants. Siebrecht & Son, New Rochelle, N. Y.

PALMS.

Palms, Kentia, 3-in., $10 per 100. Phœnix Can., 4-in., $15 per 100. Ludvig Mosbaek, Onarga, Ill.

Palms of all kinds. R. Dreyer, Woodside, L. I., N. Y.

If you do not find what you need in our Ready Reference Department, write us about it.

Palms, Kentia Bel., 6-in., 6 to 7 lvs., 24 ins., $1.25 each; $15 per doz. 7-in., 6 lvs., 26 to 28 ins., $1.50 each; $18 per doz. 7-in., 6 lvs., 28 to 30 ins., $2 each; $24 per doz. 7-in., 6 to 7 lvs., 32 to 34 ins., $2.50 each; $30 per doz. 7-in., 6 to 7 lvs., 35 ins., $3 each; $36 per doz. 8-in., 6 to 7 lvs., 40 ins., $3.50 each. 8-in., 6 to 7 lvs., 40 ins., heavy, $4 each. 9-in., tubs., 7 lvs., 36 to 40 ins., heavy, $5 each. 9-in., 7 lvs., 50 ins., heavy, $8 each. 12-in. pots, 8 lvs., 55 to 60 ins., heavy, $12 each. Kentia Fors., 3-in., 8 to 10 ins., $2 per doz.; $15 per 100. 6-in., 5 to 6 lvs., 26 to 30 ins., $1 each; $12 per doz. 6-in., 6 lvs., 28 to 30 ins., $1.25 each; $15 per doz. 6-in., 6 lvs., 34 to 36 ins., $1.50 each; $18 per doz. 7-in., 6 lvs., 36 to 40 ins., $2 each; $24 per doz. 8-in., 5 to 6 lvs., 45 ins., $3 each; $36 per doz. 8-in., 6 to 7 lvs., 45 to 50 ins., $3.50 each. 8-in., 6 to 7 lvs., 50 to 55 ins., $4 each. 9-in., 6 lvs., 55 to 60 ins., $4.50 each. 10-in. tubs, 6 to 7 lvs., 65 ins., $6 each. 10-in., 6 to 7 lvs., 70 ins., $7 each. 12-in. pots, 6 lvs., 75 ins., $8 each. Made-up Fors., 8-in., 3 plants in pot, 40 ins., $3 each. 8-in., 3 plts., 40 to 45 ins., $3.50 each. 9-in., 3 plts., 50 ins., $4 each. 9-in., 3 plts., 55 ins., $4.50 each. 9-in., 3 plts., heavy, 60 ins., $5.50 each. 9-in. tubs, 3 plts., heavy, 65 ins., $6 each. 9-in., tubs, 3 plts., heavy, 70 ins., $7 each. 10-in., 5 plts., 55 ins., $6 each. Cycas Revoluta, 1 to 6 lbs., 50c per lb. Vaughan's Seed Store, Chicago and New York.

Palms, Cocos, 2½-in., $1.50 to $1.75 per doz.; C. Bonetti, specimens, $40 each. Kentia Bel., 3-in., $2 per doz.; 6-in., xx, $1.25 each, $15 per doz.; Kentia Fors., 5-in., 60c each, $7.20 per doz., 6-in., $1.25 each, $15 per doz.; 7-in., $2 each, $24 per doz. Phœnix Can., 2-in., $1 per doz.; 5-in., $5 per doz.; 10-in., $3 each; large specimens. Phœnix Recli, 3½-in., $2 per doz.; 4-in., $3 per doz.; 6-in., 50c each, $6 per doz.; 7-in., 75c each. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Palms, Kentia Fors., 3 to 4 plants, 8-in., $1.50 to $3; 10-in., $6 each; $14-in., $15 to $20 each; single plants, 50c to $2 each. Belmoreana, 5-in., $4 per doz.; 6-in., $9 per doz.; 6½ and 7-in., $18 per doz.; large plants, $2.50 to $3.50 each. Livistona, 5 to 5½-in., $5 per doz; 6½-in., $9 per doz.; 7-in., $12 per doz. Cycas revoluta, 5½, 6, 7 and 8-in., 50c to $1.50 each. A. Schultheis, College Point, N. Y.

Palms, Kentia Fors., 6-in. pots, 35 to 40 ins., $1.25 to $1.50; 30 to 35 ins., 4-yr., $1; 5½-in., 25 to 30, 3-yr., 75c; 4-in., made-up, 3 plants to pot, 18 to 20 ins., 25c to 30c. K. Bel., 6-in., 5 to 6 leaves, 30 to 35 ins., $1.25; 5½ to 6 ins., 5 to 6 leaves, 75c to $1. K. Fors., 7-in., made-up, 22 to 24 ins., $2 each. Cocos Wed., 15c. Areca Lutescens, made-up, 4-in. pots, 25c. G. Aschmann, 1012 Ontario St., Philadelphia.

Palms. P. J. Berckmans Co. (Inc.), Augusta, Ga.

Palms. L. Van Houtte Pere, Ghent, Belgium.

PANSIES.

Pansies, International, English prize, Parisian, Giant, Trimardeau, Odier, $3 per 1,000; 100 by mail, 50c. F. A. Baller, Bloomington, Ill.

Pansy plants, $2.50 per 1,000; 50c per 100 postpaid. F. A. Blinn, Cromwell, Conn.

Pansy seedlings, Intern., $3 per 1,000; 50c per 100; transp., $6 per 1,000; 75c per 100. Ludvig Mosbaek, Onarga, Ill.

Pansies, $3 per 1,000; 50c per 100. Jos. H. Cunningham, Delaware, O.

Pansies, giant prize, mixed colors, $3 per 1,000. Peter Brown, Lancaster, Pa.

Pansies, giant, $3 per 1,000. Byer Bros., Chambersburg, Pa.

PEONIES.

Peonies, choice kinds, Festiva Maxima, Felix Crousse, Queen Victoria, etc., at lowest rates. Fine mixed sorts, $5 per 100. The E. Y. Teas Co., Centerville, Ind.

Peonies, 5,000 clumps 7-yrs., $3,000 for lot. Chicago Carnation Co., Joliet, Ill.

Peonies, Queen Victoria, $9 per 100. Festiva Maxima, $30 per 100; Fragrans, $6 per 100. G. H. Wild, Sarcoxie, Mo.

Peony Queen Victoria, 3 to 6 eye divs., $10 per 100; $90 per 1,000. Storrs & Harrison Co., Painesville, O.

Peonies, 6 choice kinds, all colors, $8 per 100; $75 per 1,000. F. A. Baller, Bloomington, Ill.

Peonies, 20 finest sorts. While surplus lasts, 6c. List free. W. H. Salter, Rochester, N. Y.

Peonies. Wholesale grower of the best varieties. J. F. Rosenfield, West Point, Neb.

Peonies a specialty. Peterson Nursery, 503 W. Peterson Ave., Chicago...

Peonies, leading vars. Cottage Gardens Co., Queens, N. Y.

Peonies, all vars. Jacs Smits, Ltd., Naarden, Holland.

Peonies. W. & T. Smith Co., Geneva, N. Y.

PEPPERS.

Peppers, Celestial or Xmas., 4-in., $1.25 per doz.; $10 per 100. 5-in., $2 per doz.; $15 per 100. Vaughan's Seed Store, Chicago and New York.

Peppers, Celestial or Xmas., 4-in., $1.25 per doz.; $10 per 100, 5-in., $2 per doz.; $15 per 100. Vaughan's Seed Store, Chicago and New York.

Peppers, full of fruit, 4-in., $12 per 100. Storrs & Harrison Co., Painesville, O.

POINSETTIES.

Poinsettias, 2½-in., $4 per 100. Storrs & Harrison Co., Painesville, O.

PRIMULAS.

Primroses, obconica alba and rosea, $2 per 100; $18 per 1,000. Jos. H. Cunningham, Delaware, O.

Primroses, Chinese, 4-in., $8 per 100. G. Aschmann, 1012 Ontario St., Philadelphia.

Primula obconica grandi, $2.50 per 100; $20 per 1,000. E. G. Hill Co., Richmond, Ind.

Primrose, Baby, 2½-in. pots, 4c each. The Dingee & Conard Co., West Grove, Pa.

Primula obconica, $2 per doz.; $15 per 100. A. Schultheis, College Point, N. Y.

Primroses, Chinese, 2-in., 1½c. Byer Bros., Chambersburg, Pa.

Primroses, old fashion double White, 8c. Levant Cole, Battle Creek, Mich.

Primulas, best vars., 3-in., $3 per 100. E. Haentze, Fond du Lac, Wis.

Primula obconica, 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

PRIVET.

Privet, California, the best. R. Dreyer, Woodside, L. I., N. Y.

RHODODENDRONS.

Rhododendrons, 20 best vars., 2 to 4 ft. Cottage Gardens Co., Queens, N. Y.

Rhododendrons. Jacs Smits, Ltd., Naarden, Holland.

ROSES.

Roses, Baby Rambler, 1st size, 2 yr., $3 per doz.; $25 per 100; $200 per 1,000. 2nd size, 2 yr., $2.50 per doz.; $20 per 100; $150 per 1,000; 1st size, 1 yr., $2 per doz.; $15 per 100; $120 per 1,000. Pot-grown, 3-in. pots, $1.50 per doz.; $12 per 100. 4-in., $3 per doz.; $20 per 100. 5-in., $5 per doz.; $40 per 100. 6-in., $6 per doz., $50 per 100. Etoile de France, 1-yr., dormant, $2 per doz.; $15 per 100. Richmond, 3-in., $8 per 100; $75 per 1,000; 4-in., $12 per 100; $100 per 1,000. Killarney, 3-in., $8 per 100; $75 per 1,000; 4-in., $12 per 100; $100 per 1,000. Vaughan's Seed Store, Chicago and New York.

Roses, Frau K. Druschki, 2-yr., $80 per 1,000. Soleil d Or, $8 per 100. Teplitz, $8. Etoile de France, $25 per 100. Peter Lambert, Trier, Germany.

Rose, Queen Beatrice, finest forcing pink, to be disseminated spring of 1907. F. H. Kramer, 916 F St., N. W., Washington, D. C.

Roses, grafted, Killarney, 3½-in. pots, $15 per 100. Liberty, Kaiserin, Maid, 3½-in., $12 per 100. Own root, Richmond, Perle, 3-in., $6 per 100. Bride, Maid, G. Gate, Kaiserin, Liberty, Wootton, 3-in., $4 per 100. J. L. Dillon, Bloomsburg, Pa.

Roses, 2-yr., field-grown, hybrid perpetuals, $10 and $12 per 100; Crimson Rambler, $9 per 100; Dorothy Perkins, $7 per 100. Lady Gay, 2½-in. pots only. Jackson & Perkins Co., Newark, N. Y.

Roses, Liberty, 3-in., $4 per 100; $35 per 1,000. Chatenay, 2½-in., $4 per 100; $35 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

Roses, from 2½-in. pots, Ivory, G. Gate, Bride, Maid, Chatenay. Mrs. J. W. Crouch, 709 Market St., Chattanooga, Tenn.

Roses, C. Soupert, Marie Pavie, C. Rambler, Dorothy Perkins, P. J. Berckmans Co. (Inc.), Augusta, Ga.

Rose, Pink Enchantress, $7 per 100; $60 per 1,000. S. S. Skidelsky, 824 N. 24th St., Philadelphia.

Roses, Magna Charta, 2-yr., field-grown, $12 per 100. Storrs & Harrison Co., Painesville, O.

Roses, Dorothy Perkins, strong field plants, $7 per 100. The E. Y. Teas Co., Centerville, Ind.

Roses, Strong 3-in., Bride and Maid, $4; 2½-in., $2. W. H. Gullett & Sons, Lincoln, Ill.

Roses, over 1,000 vars. on own roots, all sizes. Dingee & Conard Co., West Grove, Pa.

Roses, Baby Rambler, XXX, $12 per 100. Nathan Smith & Son, Adrian, Mich.

Roses, Bride and Maid, 3-in., $4 per 100. Ludvig Mosbaek, Onarga, Ill.

Roses, 4-in. pots. Muskogee Carnation Co., Muskogee, Ind. Ter.

Roses, field-grown for forcing. W. & T. Smith Co., Geneva, N. Y.

Roses, 2½-in. pots, $20 per 1,000. C. M. Niuffer, Springfield, O.

Roses, climbing plants. Jacs Smits, Ltd., Naarden, Holland.

Roses, 101 sorts. Leedle Floral Co., Springfield, O.

Roses, from 3-in. pots. Wood Bros., Fishkill, N. Y.

SANSEVIERIAS.

Sansevieria Zey., 4 to 5-in., $15; 3-in., $8 per 100. Ludvig Mosbaek, Onarga, Ill.

SEEDS.

Seeds, palm, Kentia Fors., K. Bel., $1.25 per 1,000. Canterburyana, $3 per 1,000. Moorei, $12 per 1,000. Areca Baueri, $1 per 1,000. Seaforthia elegans, 50c per 1,000. Livistona australis, 50c per 1,000. Bacularia monostachya, $1.50 per 1,000. Gymnostachys anceps, $2 per 1,000. Calamus Muelleri, $1.50 per 1,000. Tree seeds, Castanospermum australe, $5 per 1,000. Araucaria excelsa, $1.25 per 1,000. J. Staer, Wahroonga, N. S. W., Australia.

Seeds, Asparagus, A. plumosus nanus, Northern greenhouse grown seed, 100 seeds, 60c; 250 seeds, $1.25; 1,000 seeds, $4.50. Southern greenhouse grown, 1,000 seeds, $2.50; 5,000 seeds, $10. A. plumosus robustus, 100 seeds, $1; 1,000 seeds, $9. Decumbens, 100 seeds, 50c; 1,000 seeds, $4. Comorensis, 100 seeds, $1; 1,000 seeds, $7.50. Cash discount 2 per cent. Vaughan's Seed Store, Chicago and New York.

Seeds, peas, Am. Wonder, Autocrat, Consummate, Duke of York, Alaska, dwf. Telephone, Daisy, Eng. Wonder, Sutton's Excelsior, Green Gem, G. of Devon, Ne Plus Ultra, Prince of Wales, Rentpayer, Strategem, Senator, Stanley, Telephone, Triumph, The Gladstone, Sherwood, Gradus, Thos. Laxton, Wm. Hurst. W. W. Johnson & Son, Ltd., Boston, England.

Seeds, sweet peas, Earliest White, per pkt. (40 seeds), 25c; 5 pkts., 75c net. ½ size pkts., 15c; 2 pkts., 25c; 10 pkts., 75c. Burpee's Earliest of All, per oz., 10c; ¼ lb., 30c; per lb., $1. W. Atlee Burpee & Co., Philadelphia.

Seed, Asparagus Comorensis, 50c per 100. R. D. Herr, Refton, Pa.

If you do not find what you need in our Ready Reference Department, write us about it.

Seeds, L. C. Nungesser, Griesheim near Darmstadt, Germany, exporter and importer. Specialties: Selected grass and clover seeds, alfalfa of Provence and Turkestan; free from dodder and cuscuta. Crimson clover.

Seeds, Giant Market Pansy, ¼ oz., $2.50; 1 oz., $8. Our Florist Strain German Pansy mixed, 1 oz., $1. Ask for complete list florist seeds and supplies. Barteldes Seed Co., Denver, Colo.

Seeds, Suhr's genuine Danish Cauliflower, Dwarf Erfurter and Danish Giant; Cabbage, Danish Ball Head. Wholesale only. Write for particulars. E. Suhr, Copenhagen, Denmark.

Seeds, cineraria, large fld., mixed and semi-dwf. mixed, tr. pkt., 50c. Pansy mixed, oz., $4.50; ¼-oz., $1.15; ⅛-oz., 60c. W. C. Beckert, 103 Federal St., Allegheny, Pa.

Seeds, True Blue Rocky Mountain Columbine seed, new crop now ready, ¼ oz., 40c; 1 oz., $1.25. Barteldes Seed Co., Denver, Colo.

Seeds, Araucaria imbricata, $10 per 1,000. Funtumia elastica, $5 per 100. Jules Van Mol, rue Goffart 27, Brussels, Belgium.

Seeds, all kinds, specialties, onion, carrot, lettuce, sweet peas. Pacific Seed Growers' Co., 109 Market St., San Francisco.

Seeds, Asparagus plumosus, per oz., $1; per lb., $14; 5 lbs., $55; 10 lbs., $100. F. G. Taylor Seed Co., Glendale, Cal.

Seeds, Hollyhock, Myosotis, Pansies, all seeds. Hasslach & Roumanille, seed growers, St. Remyde Provence, France.

Seeds, all kinds of vegetable and flower seeds. C. C. Morse & Co., 171 Clay St., San Francisco.

Seeds, Asparagus plumosus, $3.50 per 1,000 seeds. J. M. Thorburn & Co., 33 Barclay St., New York.

Seeds, 5,400 acres of garden seeds in cultivation. Braslan Seed Growers' Co., San Jose, Cal.

Seeds of all kinds. Stokes Seed Store, 219 Market St., Philadelphia.

Seeds of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Seeds, Snowball cauliflower. R. Wiboltt, Nakskov, Denmark.

Seeds. W. Atlee Burpee Co., Philadelphia, Pa.

SELAGINELLAS.

Selaginella Denticulata, 3-in., $1 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

SMILAX.

500 smilax, 3-in., large stocky plants, $1.50 per 100. The Stover Floral Co., Grandville, Mich.

Smilax, 2-in., strong, $1 per 100; $9 per 1,000. C. Humfeld, Clay Center, Kan.

Smilax, 3-in., $4 per 100; $35 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Smilax, $2 per 100; $15 per 1,000. R. Vincent, Jr. & Son, White Marsh, Md.

Smilax, $1 per 100; $9 per 1,000. Jos. H. Cunningham, Delaware, O.

Smilax, 2-in. pots, $1 per 100. West End Greenhouses, Lincoln, Ill.

Smilax, 3-in., $3; 2¼-in., $2. W. H. Gullett & Sons, Lincoln, Ill.

Smilax, 2-in., $1. E. Heantze, Fond du Lac, Wis.

Smilax. Wood Bros., Fishkill, N. Y.

SPIREAS.

Spirea Van Houttei. W. & T. Smith Co., Geneva, N. Y.

Spireas. Jacs Smits, Ltd., Naarden, Holland.

STEVIAS.

Stevia, fine large plants, 6-in., 20c; 7-in., 25c; 8-in., 30c. Thos. Salveson, Petersburg, Ill.

VERBENAS.

Verbenas, 60 named vars., Rooted cuttings, 75c per 100; $6 per 1,000. Plants, $2.50 per 100; $20 per 1,000. J. L. Dillon, Bloomsburg, Pa.

Verbenas, Ellen Wilmette, 2-in., $2 per 100. Ludvig Mosbaek, Onarga, Ill.

VINCAS.

Vinca, field-grown, 1st size, $6 per 100; 2d, $3 per 100. Ludvig Mosbaek, Onarga, Ill.

Vinca Minor, Hardy periwinkle, good clumps, $1.50 per 100; $10 per 1,000. The E. Y. Teas Co., Centerville, Ind.

Vinca Var., 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

Vinca Var., from field, $5 per 100. Jos. H. Cunningham, Delaware, O.

VIOLETS.

Violets, Gov. Herrick, new single violet, good keeper; rooted cuttings, $2 per doz.; $10 per 100; $.5 per 1,000; 5,000 or more, $60 per 1,000. H. R. Carlton, Willoughby, O.

Violet plants, Marie Louise and Princess of Wales, field-grown, $5 per 100. Holton & Hunkel Co., Milwaukee, Wis.

Violets, California, large clumps, $5 per 100. J. W. Dunford, Clayton, Mo.

Violets. Wood Bros., Fishkill, N. Y.

WISTARIAS.

Wistaria Magnifica, 3-yr., strong, $3 per 100. The E. Y. Teas Co., Centerville, Ind.

WHOLESALE CUT FLOWERS.

Commission Dealers.

Allen J. K., 106 W. 28th St., New York.

Amling, E. C., 32-36 Randolph St., Chicago.

Berning, H. G., 1402 Pine St., St. Louis.

Cleveland Cut Flower Co., 215 Huron road, Cleveland, O.

Deamud, J. B., Co., 51 Wabash Ave., Chicago.

Flower Growers' Market, 60 Wabash Ave., Chicago.

Ford Bros., 48 W. 28th St., New York.

Froment, Horace E., 57 W. 28th St., New York.

Guttman, Alex. J., 43 W. 28th St., N. Y.

Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Henshaw, A. M., 52 W. 28th St., New York.

Horan, Edward C., 55 W. 28th, N. Y.

Hunt, E. H., 76 Wabash Ave., Chicago.

Kennicott Bros. Co., 40-44 Randolph St., Chicago.

Kessler, Phil. F., 55 W. 26th St., N. Y.

Kuehn, C. A., 1122 Pine St., St. Louis.

Langjahr, Alfred H., 55 W. 28th St., New York.

McCullough's Sons Co., J. M., 316 Walnut St., Cincinnati, O.

McKellar, Chas. W., 51 Wabash Ave., Chicago.

McKissick, W. E., 1221 Filbert St., Philadelphia.

Pennock-Meehan Co., 1608-18 Ludlow St., Philadelphia.

Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Murdoch, J. B. & Co., 545 Liberty Ave., Pittsburg, Pa.

N. Y. Cut Flower Ex., Coogan Bldg., 6th Ave. and W. 26th St., New York.

Niessen Co., Leo, 1217 Arch St., Phila.

Pittsburg Cut Flower Co., Ltd., 504 Liberty Ave., Pittsburg, Pa.

Pittsburg Florists' Exchange, 217-223 Diamond St., Pittsburg, Pa.

Pollworth, C. C. Co., Milwaukee, Wis.

Randall, A. L. Co., 19 Randolph St., Chicago.

Raynor, John I., 49 W. 28th St., N. Y.

Rice Bros., 128 N. 6th St., Minneapolis, Minn.

Seligman, John, 56 W. 26th St., N. Y.

Sheridan, Walter F., 39 W. 28th St., New York.

Traendley & Schenck, 44 W. 28th St., New York.

Vaughan & Sperry, 58-60 Wabash Ave., Chicago.

Welch Bros., 226 Devonshire St., Boston.

Winterson, E. F. Co., 45-49 Wabash Ave., Chicago.

Young, A. L. & Co., 54 W. 28th St., New York.

Young, Thos., 43 W. 28th St., N. Y.

Zech & Mann, 51 Wabash Ave., Chicago.

Growers.

Bassett & Washburn, 76-78 Wabash Ave., Chicago.

Benthey-Coatsworth Co., The, 35 Randolph St., Chicago.

Bruns, H. N., 1409-1411 W. Madison St., Chicago.

Budlong, J. A., 37-39 Randolph St., Chicago.

Chatogue Greenhouses, Mobile, Ala.

Elliott, W. H., Brighton, Mass.

Fick, Chas. F., San Mateo, Cal.

Forest City Greenhouses, Rockford, Ill.

Hill, The E. G. Co., Richmond, Ind.

Jensen & Dekema, 674 W. Foster Ave., Chicago.

Muskogee Carnation Co., Muskogee, I. T.

Peacock Dahlia Farms, Atco, N. J.

Poehlmann Bros. Co., 35-37 Randolph St., Chicago.

Reinberg, Peter, 51 Wabash Ave., Chicago.

Sinner Bros., 60 Wabash Ave., Chicago.

Weiland & Risch, 59 Wabash Ave., Chicago.

Wietor Bros., 51 Wabash Ave., Chicago.

Wilcox, J. F., Council Bluffs, Iowa.

Wittbold, Geo. Co., 1657 Buckingham Place, Chicago.

RETAIL CUT FLOWERS.

Atlanta Floral Co., 41 Peachtree St., Atlanta, Ga.

Berterman Bros. Co., 241 Massachusetts Ave., Indianapolis, Ind.

Breitmeyer's Sons, John, cor. Miami and Gratiot Aves., Detroit, Mich.

Cooke, George H., Connecticut Ave. and L St., Washington, D. C.

Daniels & Fisher, Denver, Colo.

Donohoe, W. H., 2 W. 29th St., N. Y.

Eyres, H. G., 11 N. Pearl St., Albany, N. Y.

Gude, A. & Bro., 1214 F St., Washington, D. C.

Hansen, Mrs. M. A., Galveston, Tex.

Hauswirth, P. J., Audit. Annex, Chi.

Hess & Swoboda, 1415 Farnum St., Omaha, Neb.

Holm & Olson, St. Paul, Minn.

Kellogg, Geo. M., 906 Grand Ave., Kansas City, Mo.; also Pleasant Hill, Mo.

Lange, A., 40 E. Madison St., Chicago.

Livingston Seed Co., Columbus, O.

Matthews, 16 W. 3rd St., Dayton, O.

Mayberry & Hoover, 1339 14th St., N. W., Washington, D. C.

McConnell, Alex., 571 Fifth Ave., Windsor Arcade, New York.

Miller, Theo., 4832 Delmar Blvd., St. Louis, Mo.

Mills The Florist, 36 W. Forsyth St., Jacksonville, Fla.

Murray, Samuel, Coates House Con., 1017 Broadway, Kansas City, Mo.

Park Floral Co., The, Denver, Col.

Palmer's, Buffalo, N. Y.

Schulz, J., 644 4th Ave., Louisville, Ky.

Virgin, Uriah J., 833 Canal St., New Orleans, La.

Weber, Fred C., 4320-28 Olive St., St. Louis, Mo.

Wilcox, J. F., Council Bluffs, Iowa.

Wilson, Robt. G., Fulton St. and Greene Ave., Brooklyn, N. Y.

BOILERS.

Boilers, improved greenhouse boilers, made of best material; shell firebox sheets and heads of steel; water space all around (front, sides and back). Kroeschell Bros. Co., 45 Erie Street, Chicago.

Boilers, Gurney heaters, heat by steam or hot water. Gurney Heater Mfg. Co., 111 5th Ave., New York; 74 Franklin St., Boston.

If you do not find what you need in our Ready Reference Department, write us about it.

Boilers, the Burnham boilers, made for greenhouse heating. Lord & Burnham Co., 1133 Broadway, New York.

Boilers, corrugated, fire box and sectional, greenhouse heating. Hitchings & Co., 1170 Broadway, New York.

Boilers, boilers of high grade for greenhouses. Steam and hot water. Giblin & Co., Utica, N. Y.

Boilers of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Boilers, water tube steam boilers. King Construction Co., N. Tonawanda, N. Y.

Boilers, write for prices. Johnston Heating Co., 1133 Broadway, N. Y.

Boilers. Myers & Co., 1122 Betz Bldg., Philadelphia.

BOXES.

Cut Flower Boxes, ivy green finish, full assortment. Lots of 500 with printing no extra charge. Ask for sample. The Barteldes Seed Co., Denver, Col.

Cut Flower Boxes, water-proof; corner lock style. No charge for printing on orders above 250 boxes. Livingston Seed Co., Columbus, O.

Cut Flower Boxes; send for prices. Edwards Folding Box Co., Philadelphia, Pa.

BUILDING MATERIAL.

Building material, lumber for greenhouse benches. Ship lap, drop siding, sheathing, flooring, white cedar posts, etc. We are in special position to furnish "Pecky Cypress"; everything in pine and hemlock building lumber. Adam Schillo Lumber Co., cor. Weed and Hawthorne Sts., Chicago.

Building Material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouses and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building Material, cypress sash bars. Tennessee red cedar posts, pecky cypress benches, hotbed sash and frames, ventilating apparatus, pine, fittings and all supplies needed in new or reconstruction work. Foley Mfg. Co., 471 W. 22d St., Chicago.

Building Material. Our designs embody best features of greenhouse construction. Best grade gulf cypress used. Red cedar posts, iron fittings, hotbed sash. Lockland Lumber Co., Lockland, Ohio.

Building Material, cypress sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 111-125 Blackhawk St., Chicago.

Building Material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 617 Sheffield Ave., Chicago.

Building Material for U-Bar greenhouses. Pierson U-Bar Co., Metropolitan Bldg., 4th Ave. and 23d St., N. Y.

Building Material of all descriptions, cold frames, hotbed sash, etc. Lord & Burnham Co., 1133 Broadway, N. Y.

Building Material, cold frames, hotbed sash of every description. Hitchings & Co., 1170 Broadway, New York.

Greenhouse materials of all kinds for greenhouse heating. Johnston Heating Co., 1133 Broadway, New York.

Building material of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Building Material of all kinds. S. Jacobs & Sons, 1365-79 Flushing Ave., Brooklyn, N. Y.

CUT FLOWER HOLDER.

"Japana" flower holder, 4½-in., 50c; 3½-in., 35c; 2½-in., 25c. M. V. Garnsey, 131 So. Waiola Ave., La Grange, Ill.

FERTILIZERS.

Wizard Brand pulverized sheep manure. The Pulverized Manure Co., 32 Exchange Ave., Chicago.

A sample 100-lb. bag of BLATCHFORD'S PLANT GROWER AND LAND RENOVATOR FERTILIZER only $2.75. It is composed solely of pure Rose Growers' Bone Meal, Nitrate of Soda, Peruvian Guano, Sulphate of Ammonia, Sulphate of Potash and Gypsum, in the correct proportions. For benches and potting plants, roses, carnations, lilies, mums, etc., it has never been surpassed. Address

THE BARWELL AGRICULTURAL WORKS,
WAUKEGAN, ILL.

Est. at Leicester, England, in 1800.

GOLD FISH.

Gold Fish, Comets, Japanese Fantails, Fringetails, Telescopes, etc. Fish globes and aquariums. The J. M. McCullough's Sons Co., 316 Walnut St., Cincinnati, O.

Goldfish aquaria and aquarium supplies. Fred. Kaempfer, 88 State St., Chicago.

GLASS.

Glass importers and jobbers; greenhouse glass a specialty. Window glass. James H. Rice, corner Michigan, St. Clair and Illinois Sts., Chicago.

Glass, plate and window glass, greenhouse glass a specialty. Sprague-Smith Co., 167-169 Randolph St., Chicago.

Glass, a lot of 16x18 A and B double strength at low price. A. Dietsch Co., 617 Sheffield Ave., Chicago.

Glass, window glass. Greenhouse glass a specialty. H. M. Hooker Co., 50 W. Randolph St., Chicago.

Glass, French and American "White Rose" brand. Stenzel Glass Co., 2 Hudson St., New York.

Glass, all sizes. Metropolitan Material Co., 1398 Metropolitan Ave., Brooklyn, N. Y.

Glass, all kinds and sizes. Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.

GLAZING POINTS.

Glazing Points, see the point? Holds glass firmly. Peerless glazing points are the best. No rights or lefts. Box of 1,000 points, 75c, postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

GREENHOUSE CONSTRUCTION.

Greenhouse Construction, builders of greenhouses for private estates, institutions, parks, etc. Pierson U-Bar Co., Metropolitan Bldg., 4th Ave. and 23d St., New York.

Greenhouse Construction, sash bar greenhouses. New Truss construction and iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse Construction, builders of every type of greenhouses; the most modern designs. Hitchings & Co., 1170 Broadway, N. Y.

Greenhouse Construction, builders of modern greenhouses. Myers & Co., 1122 Betz Bldg., Philadelphia.

GUTTERS.

Gutters, Garland's gutters will keep snow and ice off your glass. A sample of our gutter is on exhibition at Chicago Flower Growers' Market. Geo. M. Garland, Des Plaines, Ill.

Gutters, Lord & Burnham Improved V-shape gutter, with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

Gutters, new duplex gutter, only drip-proof gutter on the market. E. Hippard, Youngstown, O.

Gutters, Jennings, improved iron gutters. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

INSECTICIDES.

Insecticides, Nicoteen Aphis Punk, 60c per box 12 sheets; $6.50 per case of 12 boxes. Nikoteen Liquid, $1.50 per pint; $13 per case of 10 pints. Nicotine Mfg. Co., St. Louis, Mo.

Fumigating Supplies, vaporizing pans for tobacco extracts, improved. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

Fumigating Supplies, tobacco dust for fumigating. Edwin L. Koppelman & Co., 81 Pine St., New York.

Insecticides, Carman's Antipest insecticide and fungicide, $1.50 per gal. Perfection Chemical Co., Flushing, N. Y.

Pure tobacco dust, $2 per cwt. Fresh tobacco stems, $1 per sack of 100 lbs. Wm. C. Smith & Co., Brokers, St. Louis, Mo.

Insecticides, tobacco paper, 24 sheets, 75c; 144, $3.50; 288, $6.50; 1,725, $35.10. Nico-Fume Liquid, pint, $1.50; ½ gal., $5.50; gal., $10.50; 5 gal., $47.25 Kentucky Tobacco Product Co., Louisville, Ky.

Wilson's Plant Oil for all kinds of plants. In 4-oz. to 1-gal. sizes. Andrew Wilson, 437 Springfield Ave., Summit, N. J.

Insecticide, Nicoticide, Bug Killer, the best bug killer and bloom saver. P. R. Palethorpe Co., Louisville, Ky.

Fumigating Supplies, tobacco powder and stems. The H. A. Stoothoff Co., 116 West St., New York.

LAWN MOWERS.

Lawn Mower. The Clipper lawn mower, No. 1, 12-in., $5; No. 2, 15-in., $6; No. 3, 18-in., $7; No. 4, 21-in., $8. Draft, money order or reg. letter. Clipper Lawn Mower Co., Dixon, Ill.

METAL DESIGNS.

Wire Designs. We carry largest stock in west. Quick service. Western florists like our goods. Barteldes Seed Co., Denver, Col.

Metal signs, send for prices. A. Herrmann, 404-12 E. 34th St., New York.

MISCELLANEOUS.

Engravings, best engravings and illustrations of every description for catalogues. Send for estimates. Globe Eng. & Elec. Co., 427 Dearborn St., Chicago.

Printing, large runs of catalogues a specialty. Write for figures. Regan Printing House, 89-91 Plymouth Place, Chicago.

Florists' overdue accounts and bad debts collected by the National Florists' Board of Trade, 56 Pine St., N. Y.

PAINT, PUTTY, ETC.

Paint, Ideal Greenhouse Lead; Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, N. Y.

Paint, Putty, etc. H. M. Hooker Co., 59 W. Randolph St., Chicago.

Paint, Putty, etc. The Jas. H. Rice Co., 80-82 Wabash Ave., Chicago.

PIPE, FITTINGS, ETC.

Pipe, iron fittings, etc., galvanized iron sash hinges, screw eyes, screw hooks, U bolts, galvanized iron buckles and wires. Fittings for purlin and ridge supports. Foley Mfg. Co., 471 W. 22d St., Chicago.

Iron Fittings, etc.; send for prices. Lockland Lumber Co., Lockland, O.

Iron Fittings, patent iron bench fittings and roof supporters. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

A Bargain, 4-in. cast iron pipes, 5 feet lengths at 12c per foot. C. C. Pollworth Co., Milwaukee.

Pipes, valves, fittings of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

POTS, PANS, ETC.

Pots, standard flower, 1½ in., $2.77 per 1,000; 2-in., $3.33; 2½-in., $3.88; 3-in., $5.27; 3½-in., $6.10; 4-in., $7.77; 4½-in., $10; 5-in., $13.60; 6-in., $22.20; 7-in., $4 per 100; 8-in., $6; 9-in., $8.88; 10-in., $13.33; 12-in., $22.22; 14-in., $38.88; 16-in., $66.66; 20-in., $1.25 each. Azalea pots and bulb pans same price. 2x2½ in. rose pots, $3.50 per 1,000. A. F. Kohr, 1521 N. Leavitt St., Chicago.

Pots, standard, seed pans, cut flower cylinders, hanging baskets, lawn vases, etc. Hilfinger Bros. Pottery, Ft. Edward, N. Y.

Pots, Eastern Red Pots, standard. We buy in car lot. You will be pleased with our stock. Ask for price list. Barteldes Seed Co., Denver, Col.

Pots, standard flower pots. The Whildin Pottery Co., Philadelphia, Pa.; Jersey City, N. J.; Long Island City, N. Y.

Pots, before buying write for prices. Geo. Keller & Son, 361-63 Herndon St., near Wrightwood Ave., Chicago.

Pots, red standards, full size and wide bottoms. Detroit Flower Pot Mfy., 496 Howard St., Detroit, Mich.

Pots, pots of all kinds. A. H. Hews & Co., No. Cambridge, Mass.; Long Island City, N. Y.

Pots, red standard, azalea pots. The Keller Pottery Co., 213-223 Pearl St., Norristown, Pa.

Pots, red standard. Paducah Pottery Co., Paducah, Ky.

Pots, all sizes. Ionia Pottery Co., Ionia, Mich.

Pots, Syracuse, red. Syracuse Pottery Co., Syracuse, N. Y.

Pot hangers, Kramer's $1 doz. by exp., $1.25 by mail. I. N. Kramer & Son, Cedar Rapids, Ia.

PUMPING ENGINES.

Pumping Engines, two streams of water for 1 hour cost 2 cents if you use a Standard pumping engine. The Standard Pump & Engine Co., Cleveland, O.

RAFFIA.

Raffia, samples free if you mention the American Florist. Large assortment of colors. R. H. Comey Co., Camden, N. J., 810-24 Washburn Ave., Chicago.

SEED CASES.

Seed cases, Heller's mice proof. W. C. Heller & Co., Montpelier, O.

STEAM TRAPS.

Steam Traps, the Standard return steam trap has no equal for its simplicity of working. E. Hippard, Youngstown, O.

Steam traps, Morehead Return. Morehead Mfg. Co., 1047 Grand River Ave., Detroit, Mich.

SUPPLIES.

Supplies, milkweeds, wire designs, cut wire, all kinds of letters, immortelles, cycas leaves, sheaves of wheat, ribbons, corrugated boxes of all kinds. Henry M. Robinson & Co., 8-11 Province St., Boston, Mass.

Supplies, cape flowers, cycas leaves, metal designs and all florists' supplies. A. Herrmann, 404-12 E. 34th St., New York.

Supplies, importers and manufacturers of florists' supplies. L. Baumann & Co., 78 Wabash Ave., Chicago.

Supplies, importers and manufacturers of florists' supplies. Reed and Keller, 122 W. 25th St., New York.

Supplies, wire designs, etc. The Cleveland Cut Flower Co., 215 Huron road, Cleveland, O.

Supplies and novelties of all kinds. J. Stern & Co., 1928 Germantown Ave., Philadelphia.

Supplies of all kinds. E. F. Winterson Co., 45 Wabash Ave., Chicago.

Supplies, wire designs. Pittsburg Florists' Ex., 228 Diamond St., Pittsburg, Pa.

Supplies, flower baskets, novelties. Riessner Bros., Lichtenfels, Bavaria.

Supplies of all kinds. Barteldes Seed Co., Denver, Col.

TOOTHPICKS.

Toothpicks, Cowee's wired, 10,000 for $1.50. Save freight and buy in Denver. Barteldes Seed Co., Denver, Col.

Toothpicks, wired, $1.50 per 10,000; $6.25 per 50,000. W. J. Cowee, Mfr., Berlin, N. Y.

VAPORISERS.

Vaporiser, Campbell's Patent Sulphur Vaporiser. Kills all mildews, plant diseases and red spider. No. 1, $5; No. 2, $7.50. Exors R. Campbell, Manchester, England.

VENTILATING APPARATUS.

Ventilators, The Advance Ventilating Apparatus. Write for estimates and circulars. The Advance Co., Richmond, Ind.

Ventilators, the Standard ventilating machinery; original machine with self oiling cups, most powerful, least complicated, very compact. E. Hippard, Youngstown, O.

Ventilators, Evans' Improved Challenge ventilating apparatus. Quaker City Machine Works, Richmond, Ind.

Ventilating Apparatus. Send for circulars. Diller, Caskey & Co., cor. 6th and Berk Sts., Philadelphia.

Ventilating apparatus for every type of greenhouses. Lord & Burnham Co., 1133 Broadway, New York.

Ventilators, hand ventilating, etc. The King Construction Co., N. Tonawanda, N. Y.

Ventilators, ventilating apparatus of all kinds. Hitchings & Co., 1170 Broadway, New York.

Ventilators, New Departure ventilating appliance. J. D. Carmody, Evansville, Ind.

WIRE SUPPORTS.

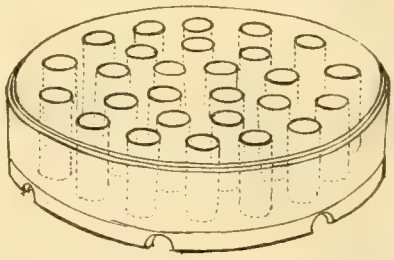
Wire supports, model extension carnation supports, galvanized wire rose stakes, tying wires, single and double pot hangers. Igoe Bros., 63 Metropolitan Ave., Brooklyn, N. Y.

THE "JAPANA" FLOWER HOLDER

IS especially designed to be used in open bowls, etc. It is made of solid glass with numerous holes which hold the flowers in an upright position and insure a perfect circulation for the water, and being made of glass, does not show when in use. Made in three sizes: 4½-in., 50c; 3½-in., 35c; 2½-in., 25c. Catalogue on application.

M. V. GARNSEY,

131 So. Waiola Ave., LA GRANGE, ILL.



BOOKS FOR FLORISTS.

The time is coming along when these are needed and opportunity at hand for reading them. Every one of the following should be in your library.

Send prices quoted and we send the books.

GREENHOUSE CONSTRUCTION (Taft).—It tells the whole story about how to build and heat a greenhouse, be it large or small, and that, too, in a plain, easily understood, practical way. It has 118 illustrations. $1.50.

THE GOLDFISH (Mulertt).—A number of florists find goldfish an attractive and paying addition to their business The best advice is given in every department of the subject, including construction and care of the parlor aquarium, in this volume of 160 pages, handsomely illustrated. $2.00.

CELERY CULTURE (Vaughan).—The important subject of celery culture is thoroughly covered in this illustrated pamphlet of 59 pages. The florist raising young plants of celery and those who grow the plants to maturity will alike find it valuable. 50 cents.

FUMIGATION METHODS (Johnson).—A practical treatise on cheap and effective means of destroying insect pests. Handsomely bound and profusely illustrated. 250 pages. $1.00.

THE PRINCIPLES OF FRUIT GROWING (Bailey).—The entire subject of fruit culture is treated very thoroughly in this illustrated volume of 516 pages. It is a book that no up-to-date fruit grower can afford to be without. $1.25.

GINSENG (Kains).—At the present time, when so much interest is taken in ginseng, it will be interesting to peruse this volume, which tells all about the plant in a way that all may understand. The 144 pages are freely illustrated. 50 cents.

SUCCESS IN MARKET GARDENING (Rawson).—Written by one of the most prominent and successful market gardeners in the country, and who has the largest glasshouses for forcing vegetables for market in America. Outdoor and indoor crops are treated. Illustrated, $1.00.

MUSHROOMS: HOW TO GROW THEM (Falconer).—The only American book on the subject, 29 illustrations. Written by a practical mushroom grower, who tells the whole story so tersely and plainly that a child can understand it. This book has increased mushroom growing in this country three fold in three years. $1.50.

HEDGES, WINDBREAKS, ETC. (Powell).—A treatise on the planting, growth and management of hedge plants for country and suburban homes. A volume of 140 pages, with twenty-two illustrations. 50 cents.

LANDSCAPE GARDENING (Maynard).—The development of landscape art within the past few years compels the wide awake florist to keep posted on this branch of the business. The many suggestions of this book will be found helpful every business day. It contains 338 pages, 165 illustrations. $1.50.

AMERICAN FLORIST COMPANY,

324 Dearborn Street, CHICAGO.

The Whilldin Pottery Co.

STANDARD FLOWER POTS

Our output of Flower Pots is larger than any concern in the World
Our Stock is always Large and Complete

Main Office and Factory,

713 WHARTON STREET, PHILADELPHIA

Warehouses: JERSEY CITY N J. LONG ISLAND CITY. N. Y.

CLIPPER LAWN MOWER CO DIXON ILL.

The Mower that will **kill all the Weeds in your Lawn.** If you keep the weeds cut so they do not go to seed and cut your grass without breaking the small feeders of roots, the grass will become thick and the weeds will disappear.

The Clipper will do it. Ask your dealer for them. If they have not got them, below is the price: No. 1—12-inch Mower $5; No 2—15-inch Mower, $6; No. 3—18-inch Mower. $7; No. 4—21-in Mower, $8 Send draft, money-order or reg. letter.

THE KELLER POTTERY COMPANY,

Manufacturers of **FLORISTS' RED STANDARD POTS.**

Azalea Pots, Bulb and Fern Pans, Etc.

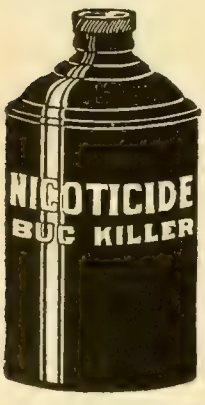
Write for Price List. 213-15-17-19-21-23 Pearl St., NORRISTOWN, PA.

IONIA CLAY is the BEST CLAY

We would not dare to claim to make the BEST POT—BEST in STRENGTH, SMOOTHNESS and POROSITY—if the claim was not true. Our capital and business integrity for 35 years stands behind the assertion. A perfect mail order system and skilled packers enable us to ship your order the day it is received.

A postal brings our general catalogue.

IONIA POTTERY COMPANY, Ionia, Mich.



THE BEST Bug Killer and Bloom Saver.

For **PROOF** Write to

P. R. PALETHORPE COMPANY,

LOUISVILLE, KY.

GEO. KELLER & SON,
MANUFACTURERS OF
FLOWER POTS.
Before buying write for prices.
361-363 Herndon Street, near Wrightwood Ave.,
CHICAGO, ILL.

Those Red Pots

"STANDARDS"

FULL SIZE AND WIDE BOTTOMS, BULB PANS AND AZALEA POTS.

DETROIT FLOWER POT M'F'Y.

HARRY BALSLEY, Rep. DETROIT, MICH. 490 Howard St.

THE BLACK STUFF FINE TOBACCO FOR DUSTING IS GROUND VERY FINE FROM THE HEAVY PURE LEAF LET US TELL YOU ABOUT IT.
THE H. A. STOOTHOFF CO. 116 WEST ST. NEW-YORK

Standard Flower Pots!

Packed in small crates, easy to handle.

	Price per crate		Price per crate
1500 2-in., in crate,	$4 88	120 7-in., in crate,	$4 20
1500 2¼ "	5.25	60 8 "	3.00
1500 2½ "	6.00	HAND MADE.	
1000 3 "	5 00	48 9-in., in crate,	$3.60
800 3½ "	5.80	48 10 "	4.80
500 4 "	4.50	24 11 "	3.60
320 5 "	4 51	24 12 "	4.80
144 6 "	3.16	12 14 "	4.80
		6 16 "	4.50

Seed pans, same price as pots. Send for price list Cylinders for Cut Flowers Hanging Baskets, Lawn vases, etc. Ten per cent off for cash with order. Address

HILFINGER BROS. POTTERY, Fort Edward, N. Y
or AUGUST ROLKER & SONS New York Agents,
31 Barclay Street, New York City.

CUT FLOWER BOXES

WATERPROOF Corner Lock Style.

The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always.

Size No.		Per 100	Per 1000
0.	3x 4x20	$2.00	$19.00
1.	3x 4 x16	1.90	17.50
2.	3x 6x18	2.00	19.00
3.	4x 8x18	2 50	23.00
4.	3x 5x24	2 75	26.00
5	4x 8x22	3 00	28 50
6.	4x 8x28	3.75	36 00
7.	6x16x20	5.50	54.00
8.	3x 7x21	3.00	28 50
9.	5x10x35	6 50	62.00
10.	7x20 x20	9.50	67 50
11.	3½x5x30	3.00	28.50

Sample free on application. No charge for printing on orders above 250 boxes. Terms cash.

THE LIVINGSTON SEED COMPANY,
Box 104, COLUMBUS, OHIO.

STANDARD FLOWER POTS

No Charge for Crates or Packing.

Inches	per 100	Inches	per 100
1½	$ 2.77	7	$ 4 0
2	3.33	8	6.00
2½	3 88	9	8.88
3	5 27	10	13.33
3½	6.10	12	22.22
4	7 77	14	38 88
4½	10.00	16	66.66
5	13 60	20	each, 1.25
6	22.20		

Azalea Pots and Bulb Pans same as **Standard Pots.** 2 and 2½ in Rose Pots, $3.50 per 1000. These pots are **carefully made,** very strong and porous. Liberal count is given, thereby protecting our patrons against possible breakage. **Above prices subject to 10 per cent. discount for cash.**

A. F. KOHR. 1521-23-25 N. Leavitt St, **Chicago.**

Red Standard Flower Pots

Price list and samples on application.

PADUCAH POTTERY CO., Inc.

PADUCAH, KENTUCKY.

Kramer's Pot Hangers

For Sale by Wholesale Seedsmen, Florists and Supply Dealers.

Price, $1.00 per dozen by express. Sample dozen by mail, $1.25.

L. N. Kramer & Son, CEDAR RAPIDS, IOWA.

GLASS

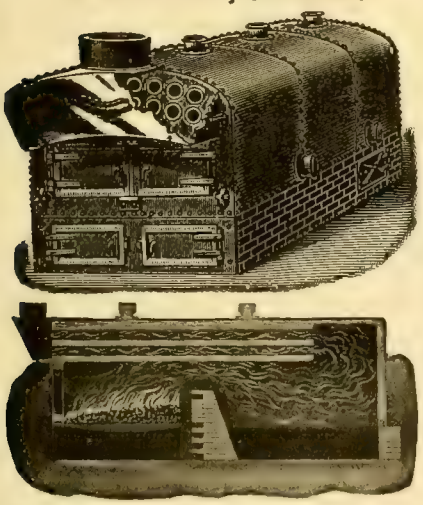
Get Your Glass Now For Fall Repairs.

We sell GOOD GLASS, the kind you want.

Write us to-day, we have some bargains. Car loads or less, quick.

SHARP, PARTRIDGE & CO., 22nd and Lumber Sts., **CHICAGO.**

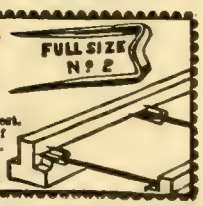
KROESCHELL BROS. CO.
IMPROVED
Greenhouse Boiler
45 Erie Street, CHICAGO.



Boilers made of the best of material, shell, fire-box sheets and heads of steel, water space all around (front, sides and back). Write for information.

SPRAGUE, SMITH CO.
JOBBERS AND MANUFACTURERS OF
Window Glass.
GREENHOUSE GLASS
A SPECIALTY.
167-169 Randolph St., **CHICAGO.**

Holds Glass Firmly
See the Point
PEERLESS
Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
HENRY A. DREER, 714 Chestnut St., Phila., Pa.
FULL SIZE No. 2



CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

THE LOW PRICE HEATING PLANTS

The Chicago House Wrecking Co. is in position to offer you an interesting proposition for furnishing you with a heating plant at a saving of at least 30%. Send us a sketch of your houses with preferred location of the boiler, the points of compass and the desired night temperature for zero weather, and we will gladly submit you an exact detail quotation of all material required to install the plant. We have ***heaters*** and ***boilers*** of every kind, both new and rebuilt. We have always on hand a large number of rebuilt boilers suitable for greenhouse heating. Our stock embraces ***fire box boilers, horizontal tubular boilers, Kroeschell boilers, cast iron sectional boilers, Erie City economizers*** and other types

We can save you considerable money on ***pipe, valves*** and ***fittings;*** also on ***doors, glass, sash*** and everything needed in the construction of your buildings.

Ask for our Special Catalogue No. 47.

CHICAGO HOUSE WRECKING CO.,
35th and Iron Streets, CHICAGO.

Please mention the American Florist when writing

The James H. Rice Co.
IMPORTERS and JOBBERS
GREENHOUSE GLASS
A SPECIALTY.
Window Glass, Paint, Putty, etc.
Office and Warehouse: Corner of Michigan, St. Clair and Illinois Streets, CHICAGO

Please mention the American Florist when writing

Use our patent Iron Bench Fittings and Roof Supports.

THE **JENNINGS** IMPROVED **IRON GUTTER.**

IMPROVED VAPORIZING PANS
For Tobacco Extracts, etc. Send for Circulars.
DILLER, CASKEY & CO. SUCCESSORS TO JENNINGS BROTHERS,
S. W. Cor. Sixth and Berk Sts., PHILADELPHIA.

VENTILATING APPARATUS.

GREENHOUSE HEATING
Complete heating plants erected or materials furnished with working plans.
Write for prices on **BOILERS.**
JOHNSTON HEATING COMPANY,
St. James Building, 1133 Broadway, NEW YORK.

H. M. HOOKER CO.
Window Glass, Paints and Putty.
Greenhouse Glass a Specialty.
59 W. Randolph St., CHICAGO.
Please mention the American Florist when writing.

STENZEL GLASS CO.,
GREENHOUSE GLASS.
French and American "WHITE ROSE" Brand.
2 Hudson St., NEW YORK.
Please mention the American Florist when writing

Tobacco Paper IS THE STONGEST, BEST PACKED, EASIEST APPLIED.

24 sheets.....$ 0 75
144 sheets..... 3 50
288 sheets..... 6 50
1728 sheets..... 35 10

"NICO-FUME" LIQUID

OVER 40% NICOTINE.

Furnishes the Most Nicotine for the Money!

Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.

By far the CHEAPEST.

JUST NOTE PRICES!

Pint .....$ 1 50
½ Gallon..... 5 50
Gallon..... 10 50
5 Gallons..... 47 25

SUN DRIED CYPRESS GREENHOUSE MATERIAL IS THE BEST. WRITE FOLEY MFG. Co. 471 W. 22ND ST. -CHICAGO- FOR FREE CATALOGUE

VENTILATING APPARATUS, FITTINGS HOT-BED SASH. WE MAKE SKETCHES AND ESTIMATES-

If you are having delay in getting your roof material, send your orders TO US and don't be in trouble. We will handle any order in the time agreed. Try us.

FOLEY MANUFACTURING CO.,
471 West 22nd Street, : : CHICAGO.

Always mention the American Florist when you order stock.

IF a steady and constantly increasing demand is a proof of popularity, and thereby of the merits of a construction

THEN our PATENT SHORT ROOF HOUSES are good houses.

La. Cypress and Wash. Red Cedar Greenhouse Material and Hot Bed Sash.

Greenhouse Hardware and Posts.

A. DIETSCH CO. 617 Sheffield Ave. CHICAGO.

Carman's Antipest

INSECTICIDE AND FUNGICIDE

For the Garden, Orchard and Greenhouse.

Non-poisonous and harmless to vegetation.

Kills Green Fly, Aphides, Bark Lice, Thrip, Mealy Bug, Red Spider, Scale, Wire Worms, Ants and Slugs.

This is the Grower's Friend, handy to use, cheap and effective, mixes readily in water. Destroys all insect pests and keeps down filth. Circulars on application. $1.50 per gallon. Also in quarts, half gallons and in bulk.

PERFECTION CHEMICAL CO.,
FLUSHING, N. Y.

Have you trouble in keeping an EVEN TEMPERATURE in your greenhouse?

THE MOREHEAD TRAP will remedy all troubles.

MOREHEAD MFG. CO.
1047 Grand River Ave.
DETROIT, - MICH.

American Florist Ads

Always do business
Week days and every day
Sundays and holidays
All over the country
At home and abroad.

Starved Rose Bushes Never Bloom

And the successful florist wants more than ordinary bloom and stunted stem—he wants all there is in the soil, the bush, the stem, the bloom.

DON'T STARVE THE ROOTS.

Put away your bushes this fall with plenty of fall and spring food for the roots. The richest root food, stem and bloom producer you can use is

Wizard Brand Pulverized Sheep Manure

It goes further than any other fertilizer and costs less. No waste—no refuse or seeds.

Special prices to florists and greenhouse operators. Write for booklet.

THE PULVERIZED MANURE COMPANY,
32 Exchange Ave., CHICAGO

WILSON'S PLANT OIL.

The best Insecticide and Plant Renovator ever introduced. Positively harmless. Put up in cans and bottles. Send for circular, testimonials and trade price.

ANDREW WILSON, 437 Springfield Ave. SUMMIT, N. J.

REED & KELLER,
122 W. 26th St., NEW YORK.
FLORISTS' SUPPLIES.
We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
and are dealers in Glassware, Pottery, Decorative Greens and all Florists' Requisites.

THE AMERICAN FLORIST

America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXVII. CHICAGO AND NEW YORK, OCTOBER 20, 1906. No. 959

THE AMERICAN FLORIST

TWENTY-SECOND YEAR.

Copyright 1906, by American Florist Company. Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

324 Dearborn St., Chicago.

Eastern Office: 1133 Broadway, New York.

Subscription, $1.00 a year. To Europe, $2.00. Subscriptions accepted only from the trade.

Volumes half yearly from August 1901

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—WM. F. KASTING, Buffalo, N. Y., president; H. M. ALTICK, Dayton, O., vice-president; W. J. STEWART, 11 Hamilton Place, Boston, Mass., secretary; H. M. BEATTY, Pittsburg, Pa., treasurer. Twenty-third annual meeting at Philadelphia, Pa., August, 1907.

OFFICERS-ELECT—WM. J. STEWART, Boston, Mass., president; JOHN WESTCOTT, Philadelphia, Pa., vice president; P. J. HAUSWIRTH, Auditorium Annex, Chicago, secretary; H. B. BEATTY, Pittsburg, Pa., treasurer.

INTERNATIONAL EXHIBITION—A grand international exhibition will be held with the annual convention at Chicago, November, 1908.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual convention and exhibition at Chicago, November 6-12, 1906. WM. DUCKHAM, Madison, N. J., president; DAVID FRASER, Penn and Homewood Ave., Pittsburg, Pa., secretary.

AMERICAN ROSE SOCIETY.

Annual meeting and exhibition at Washington, D. C., March 13-15, 1907. ROBT. SIMPSON, Clifton, N. J., president; BENJAMIN HAMMOND, Fishkill-on-Hudson, N. Y., secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention and exhibition at Toronto, Canada, January, 1907. JOHN H. DUNLOP, Toronto, Canada, president; ALBERT M. HERR, Lancaster, Pa., secretary.

THE AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

Annual convention at Toronto, Ont., 1907. BYRON D. WORTHEN, Manchester, N. H., president; F. L. MULFORD, Harrisburg, Pa., secretary.

AMERICAN PEONY SOCIETY.

Third annual meeting and exhibition at Ithaca, N. Y., 1907. C. W. WARD, Queens, N. Y., president; A. H. FEWKES, Newton Highlands, Mass., secretary.

Contents, page 590.

Advertising Rates, 590.

Index to Advertisers, 616.

Ready Reference Advts., 617.

Florists' Forcing Bulbs and Roots.

Copyright 1906 by the American Florist Company.

VI.—NARCISSI.

The great value of narcissi for outdoor planting, the exquisite fragrance and long lasting quality of the flowers, and the ease with which most of the varieties can be brought into bloom at a season when the absence of bright flowers is felt most, have made them popular with all growers and lovers of bulbous plants. The genus embraces many species, but their culture in the main is alike. A few varieties of the poet's and star narcissi, and one or two of the double flowering daffodils, as alba plena odorata for instance, cannot be forced, but there should be scant cause for regret when the number of beautiful sorts, that readily yield to indoor culture and forcing, is so large, and includes the finest types of all the species.

Narcissi are not at all exacting as to soil. Any good kind of friable, moderately enriched garden loam suits them. The bulbs may be grown in pots, for which they are well adapted. One bulb of the large varieties, three or more of the smaller and from six to nine of the smallest, such as jonquils, will creditably and effectively fill one pot, deep pots of the regular standard sizes here to be preferred to shallow pans. Narcissus orientalis or Chinese sacred lily, however, requires no great depth of pot and can be successfully flowered in bowls of water, pebbles and gravel holding the bulbs in position.

For mass forcing there is nothing better than boxes of a fair depth and handy closely together, just so they do not touch one another. They should go into the soil to the depth of a trifle more than half their length, then watered down and stood away in some dark or shaded and very cool place. There is no necessity of covering them with a layer of soil or ashes, unless this is removed in good season to permit of unrestricted top development, which with narcissi starts almost simultaneously with root formation. Narcissi of the polyanthus section may be covered for three or four weeks and the top growth will then be just starting, as they are much slower in this than most other types. Paper White, belonging to this class, can be had in bloom in November if planted as soon as the bulbs arrive. Most other single and double narcissi on the other hand, do not come as early and their flowering season under a course of mild forcing is in midwinter, extending away into spring. Narcissi in pots or boxes, being kept outdoors late in the fall, must be guarded in some way against frost, which should never be allowed to touch these bulbs where they are intended for forcing.

Narcissi, unlike most other bulbs, object to any sort of severe forcing, but they should be well provided with roots before any attempt at forcing is made. A cool, light bench in a house with abundant ventilation, and an even temperature of about 50° or 55°, suits any and all types of narcissi. In short, the treatment accorded ordinary greenhouse stock is also right for narcissi. It is true, they can be hastened by increased heat and made to flower much sooner in a hot, moist house, or on a bench with bottom heat, than on an ordinary greenhouse staging, but the outcome will not be up to expectations. Grand Primo, Paper White, Princeps and Henry Irving will give good results in a temperature of between 55° and 58°. Von Sion, Trumpet Major, Golden Spur, Maximus and Staten General produce their finest flowers over a cool bottom, under a well ventilated, clear glass roof, and in a temperature never higher than 52° at night.

VII.—ROMAN HYACINTHS.

Among bulbs for early forcing no class is in greater favor with florists and amateurs than Roman hyacinths. They may be had in bloom as early as November, are a never-failing and highly profitable crop at Christmas and good property throughout the entire winter. Whether grown in pots for the house or conservatory or massed in boxes and forced for their flowers alone, they are always certain to bloom and also allow of being timed with the utmost pre-

cision. There are several distinct shades in Roman hyacinths, snowy white, dark and light rose, blue and even yellow, but the pure white takes first rank as the earliest and most useful variety for commercial growers.

For very early forcing the bulbs must be planted as soon as they can be had, which is usually in August. Although the dry bulbs retain their vitality undiminished for months, which enables growers to plant in the months of autumn for mid-winter forcing, it is well, even for that purpose, to plant early and rather keep over the bulbs intended for late forcing after they are rooted, which in cool quarters is an easy thing to do. No matter how long they may be kept in a dry state they are ever-ready to form roots and do so immediately after being planted, whether late or early.

If potted plants for the holiday or winter trade are desired it is best to plant several bulbs in one pot or shallow pan; three bulbs for a 4-inch pot and four for a five or 6-inch pan being about right. But where any large quantity of bulbs is to be forced, boxes or flats, three or four inches deep and of a convenient size for handling, are more serviceable. Almost any good soil, not containing any fresh manure, will do for these hyacinths. The old soil out of rose or carnation benches, after having been spread out and exposed to the air for a short time, is excellent. The bulbs are placed quite close with a space of about half an inch between them, and the planting is done by merely pressing them into the soil, leaving fully half of the bulb above ground. On some freely exposed place outdoors a trench-like excavation is made, a few inches deep, of convenient width and having a level bottom, and in this the boxes, as also pots, pans, etc., are placed side by side. After having been thoroughly watered clear through, they are covered with the soil, previously thrown aside in making the trench, to a depth of not less than four inches. No farther covering will be needed for these early planted bulbs, but any planted later require an additional covering of some loose litter to keep out frost. Nor will there be need of another watering before the boxes are taken out, which will not be before seven or eight weeks, when the bulbs should be well rooted.

When brought into the house the bulbs are then ready for forcing, always provided they have formed roots. The boxes are placed on a warm bottom, given an abundance of water right along and several times daily a spraying over-head. A good shading all around for the first two weeks will give length to the flower spikes. Nearly every bulb will throw several spikes, but only the first cut gives high grade blooms. In a temperature of 60° with bottom heat 10° higher, it will take a bout 24 days to force out Roman hyacinths.

E.

PORTLAND, ORE.—J. J. Butzer reports that fall business is opening up in good shape and stock is moving well. Roses and ornamental stock will be very short again this fall, as the demand is extra large. Everyone is planting roses. More bulbs also are being planted than ever before.

THE VIOLET.

The Violet Industry at Rhinebeck, N. Y.

This beautiful little town of 1500 inhabitants is situated 90 miles directly north of New York and three miles east of the Hudson river and Rhinecliff, its railroad shipping point on the New York Central. Here are seen many quaint old homes as well as quite a few modern ones of pretentious dimensions together with a number of cozey cottages of the humbler classes, all sharing alike the shade of the stately old trees that line the streets on either side.

For many years this place has been justly famed for the production of the finest and greatest number of violets grown in any part of the country, and when one observes or even closely studies the soil, water and other natural conditions existing here the mystery seems greater and greater why such phenomenal success has attended the efforts of nearly everyone who has engaged in the industry in the vicinity since its inception about 15 years ago. At that time, Geo. Saltford made the first attempt at violet growing in this district and his unvarying success attracted the notice of others, who soon engaged in the work and shared with the pioneer the expected success in the industry which assumed an almost national importance in a few years.

Visiting the establishments here at the present time, the beginning of the violet season, is exceedingly interesting and affords perhaps the best opportunity in the whole season to study the different aspects of violet growing as here conducted.

One cannot fail to be impressed at once with the magnitude of this local industry, that now numbers nearly 150 different establishments. Over 300 persons are directly engaged in the work and nearly as many more indirectly. Nearly 1,000,000 plants are now grown here which produce in a season about 60,000,000 flowers.

This enormous product is disposed of chiefly through commission houses in New York, Philadelphia, Buffalo and Chicago with heavy shipments direct to retailers in the same cities, also in Pittsburg, Cleveland, Detroit and many smaller towns; and while the more distant points receive the flowers almost devoid of their natural fragrance, nevertheless, their immense size, deep color and lasting qualities, readily commend them to even the most critical buyers and their sale is usually assured.

Up to three years ago this locality was practically immune from violet diseases of any kind, and the farmer, the carpenter, the groceryman, the stage driver and even the blacksmith who joined the ranks of the violet growers were as uniformly successful as their predecessors with more experience and skill.

About that time troubles began to appear and they are still increasing and some say they can see "the hand writing on the wall;" others minimize the threatened ills and are determined to overcome them. These ills are in the form stem rot, black rot, root rot, gall fly, black fly, green fly, red spider, etc. All of the growers agree that the gall fly is the most "galling" and more attention is given to this enemy than all the others combined. But there is the greatest diversity of opinion among them as to just what the gall fly is. The effect of its attacks are everywhere the same but the diagnosis of the evil is with one grower entirely contradictory to that of his neighbor. Some say that the fly deposits eggs upon the tops of the unfolding young leaves. These eggs then develop a maggot that eats the young growth and most effectually prevents the development of the leaves as well as the nearby flower beds. Others maintain the trouble emanates from the soil, where the insect is hatched out, and works the injury in the very crown of the plants. Numerous conflicting theories are advanced by other victims who are all equally confident of their correctness.

Some growers who have thus far escaped the visitations of the gall fly claim that the exercise of vigilance in the rudimentary principles of violet growing is alone necessary for success and feel no apprehension. Others who have as faithfully observed those principles have been and are yet victims to a more or less extent, and they assert with equal confidence that Rhinedeck will finally meet the same fate that has overtaken other parts of the country where violet growing is no longer profitable. They say that it is now a Wall street game, and purely so, and if any measure of success is to be had in the future, it will follow a scientifically determined diagnosis of the malady, that can as correctly be treated and kept checked or entirely eradicated.

No one has yet been able to really identify the "fly" but certain it is that all winged insects that are seen in the houses are quickly chased out and various methods adopted for their destruction. The most general cure-all is the gas generated by the combination of water, sulphuric acid and cyanide, but the application of this remedy is often attended by fatal results and very recently several thousand plants (the entire contents of one house) were entirely destroyed by too strong an application. This danger, which is always liable even in the hands of the most careful, is due to the varying strength of the ingredients used to make the gas, and constant caution in its application is most necessary. This "gassing" operation as they call it, is destructive of the fragrance and also fades the color of the flowers even when mildly applied and therefore there is always reluctance to use it.

A distinctive feature of violet growing here that impresses the visitor is the apparent similarity of methods practiced

by nearly all who are engaged in the work. This applies to the construction of the houses, arrangement of the tables, or, more correctly speaking, the beds (for perhaps 99 per cent of them plant in solid beds), method of heating, the shading, the distance apart in planting, the manner of propagation, etc.

The houses are usually 23x150 feet; with side walls four feet high boarded up to the gutters. They are heated by hot water in 4-inch cast iron pipes though some use 3-inch. The side beds are each seven feet wide, the center one six feet and the two walks each 14 inches wide. The surface of the beds is 16 inches from the walks, many of the latter cemented. The query will here arise as to how the plants are reached in picking the blooms on the side beds seven feet wide. A board is used for this purpose, one end resting on the edge of the plank along the walk and the other end upon the hot water pipe on the inside wall. Another query that here suggests itself to many growers in other parts is, how do the plants succeed on a bench close by the side walls, which are boarded up fully three feet above the plants to the glass? That does not concern the grower here, as the plants in close proximity to the high dark walls are, at least at this season of the year, even better than the other parts of the beds where they have more light and sunshine.

Propagation is done soon after May 1 by making cuttings of the side runners, putting them in sand which is placed on a cleared portion of the bench and on the original soil where the plants are grown. The young rooted plants remain in this position until planting time, June 1 to 15, when they are set out in their permanent location in the beds nine inches apart each way. The glass is then completely shaded with lime and remains so until about September 15, when it is removed from the lower lights only. A little later it is removed a little distance farther up the bars and thus gradually until between November 1 and 10, when the remaining top lights are cleared. Marie Louise is the variety most generally planted, though some grow a few Swanley White and Farquhar, the latter variety being considered by some as an earlier producer of good flowers than Marie Louise though it runs out sooner in the spring. About October 1 a mulch of half rotten horse manure is given covering the entire surface of the soil and thereafter water is used most sparingly until the warm days of spring.

In this age of national trade organizations and the popularity and utility of local florists' clubs in places where the trade is well represented, it is indeed most surprising and lamentable that this large and important community of violet growers is without an organization of any kind to promote their common interests, and the mere mention of the probability of such a society here is met everywhere with a dissenting voice indicating the utter futility of such an attempt, were it made. But, reflecting seriously upon the whole situation here as conditions really exist, and after closely examining the chief factor in plant growing, the soil, and finding it as diversified in its composition as is found elsewhere, and having interviewed the successful growers here, many of them mere boys, the wonder is all the greater why Rhinebeck has produced in the past, and some of its growers are still producing with apparent ease and unconcern, the finest violets in the country.

J. F. S.

CHRYSANTHEMUM OCTOBER FROST.

Diseased California Violets.

ED. AMERICAN FLORIST:—

California violets, showing a good strong growth and otherwise in a healthy state, have yellow diseased leaves like those enclosed herewith. Please state the cause and remedy.

N. E. D.

The California violets are suffering from what is called Mosaic disease. The unfavorable condition is understood to have some connection with the nutrition of the plants, but no method of controlling the trouble can be suggested. If grown for flowers the yield will not be much affected, but if for leaves, the plants may as well be at once destroyed, for while such plants sometimes recover, usually they do not.

B. T. G.

Chrysanthemum October Frost.

The illustration herewith shows a bloom of Chrysanthemum October Frost, to which frequent reference has been made in these columns. As the introducers state in their catalogue, early buds are most desirable as they produce flowers larger and more double than where the late buds are selected. The flowers are of large size, early and the variety is very easy to grow well. No doubt it will become as popular as many of the previous introductions of Nathan Smith & Son, Adrian, Mich.

Chrysanthemums for Exhibitions.

ED. AMERICAN FLORIST:—

Please give the names of the best 10 chrysanthemums to be grown for exhibition pot plants in the eastern states, the plants to be on exhibition about November 1.

M. L.

White, Mutual Friend, Ivory, Ada Byron; pink, A. J. Balfour, Arethusa, Iora; yellow, Marion Henderson, Jennie Falconer, Hooper Pearson, Black Hawk.

T. D. HATFIELD.

Children's Gardens in Charlotte, Mich.

The Fuller Floral Co., of Charlotte, Mich., sends us a clipping from the Charlotte Tribune which shows the amount of interest taken in both cut flowers and bedding plants, and, for a town of but 5,000 population and being the first season business has been pushed, it certainly is a very good showing.

Continuing, the Fuller Floral Co. writes: "The interest shown by the children in flowers can easily be understood when over 300 bouquets were exhibited besides many boxes and single plants and over 3,000 visitors attended the show. We have found that our assistance to the children's flower gardens, etc., has brought us many friends and when Jack Frost has done his work we expect to reap our reward."

The children's flower show in the Ketcham building the afternoon and evening of September 8 was a bower of beauty according to the Charlotte Tribune, and a revelation, to the throng in attendance, of the interest of the Charlotte schools in the home gardening movement inaugurated last spring through the efforts of the club women of this city.

The club women acknowledge their appreciation of the kindness of the Fuller Floral Co. in furnishing an abundance of beautiful plants for window decoration and their generous co-operation in the home gardening work in Charlotte from the beginning. More than 1,000 souvenirs were given away by them to ladies alone in the afternoon, which is the basis on which an estimate of more than 3,000 attendance during day and evening is made.

The principal prizes offered at the flower show were for the schools, rather than individual children, the object of the club women being to interest them in beautifying school grounds and awakening a sort of civic pride in this direction. The Fuller Floral Co. had a special contest in this show open to citizens in which there were 25 entries.

CHILDREN'S GARDEN WORK IN AYER, MASS.

Lower town hall in Ayer, Mass., presented a very interesting scene the afternoon and evening of September 12 on the occasion of the fifth annual exhibit of children's home garden products. The vegetables and flowers were arranged upon separate tables, those of each year being placed together, among the exhibitors being children who have had gardens one, two, three and four years.

To add to the interest of the occasion, some of the gardeners among the townspeople had been asked to send some exhibits. A collection of 100 pressed flowers from California and some mosses and lichens collected by Miss Lois Leavitt formed a unique feature of the fair.

The home gardens of the children have been in charge of the social service committee of the woman's club and they have been visited regularly by these ladies and other club members during the season. Quite a number were also visited by members of the Massachusetts Horticultural Society.

Propagating Salvia and Other Plants.

ED. AMERICAN FLORIST:—

Kindly let me know which is the better way of propagating Salvia splendens, from cutting now or from seed, also when to sow it from seed. Should Begonia semperflorens Vernon be raised from cuttings or seed? I have taken cuttings from different kinds of shrubs in September, put them in the propagating bench, kept them shaded and still nearly all died, especially the hardy rose cuttings. Why is this?

N.

The plan in these days, generally speaking, is to grow Salvia splendens from seed, sown any time about the month of March. There are several varieties which have become quite well fixed by judicious selection, among them being Bonfire or Clara Bedman and a quite drawf variety is Little Lord Fauntleroy. To grow from cuttings old plants should be taken up and potted before injured by frost and the long shoots shortened in some and kept in a night temperature of from 45° to 50°, as when grown warmer they are more liable to be attacked by red spider, the salvias being great favorites of this little pest. Cuttings may be put in the propagating bed as late as April and yet make plants suitable for bedding-out towards the latter end of May.

The varieties above named come sufficiently true to seed for all practical purposes, but if among them is noticed one or more plants possessing marked characteristics worthy of being developed, lift them as recommended above and in due course an abundance of cuttings will appear, which may be rooted and planted out either for bedding or for seed, and, if for the latter, in due time, by rigid selection, a new variety that will come comparatively true to seed may be established. This is how the varieties mentioned were secured and how many novelties among other plants have found their way into commerce.

As to Begonia Vernon, that also is easily raised from seed or from cuttings, but if a large quantity is needed, raising from seed is to be recommended. Seeds may be sown thinly. Begonia seeds are as fine as dust, so that it is quite a feat to sow them thinly, but it is better to thus sow them when possible, as the young plants grow so much larger in a shorter time than if sown too thickly—and need not be handled so soon. It is better to transplant them, as soon as large enough to handle, half an inch or so apart in flats or pans, thus aiding them to develop into fair sized plants as soon as possible for they grow very slow in the early stages of their existence. To have seedling plants large enough for spring sales or bedding in May, the seed would not be sown later than the first week in January, and the plants would be of course, larger if planted a month or so earlier.

If it is desired to raise Begonia Vernon or any of a similar type from cuttings, care must be exercised in the taking of the cuttings, that there is a growth bud at the base of the lower leaf and not a flower or flower stem, or disappointment will surely result, for such a plant would not break into new shoots from the base thereof. Begonia Gloire de Lorraine, when shoot cuttings are used, has the same characteristic.

The failure of cuttings as mentioned by N. of different kinds of shrubs, to grow in September, may be accounted for possibly, if every requirement of a cutting was strictly attended to (lots of water and shade, etc.) by the fact that the wood may have been a bit too hard. Most deciduous shrubs root without much loss when taken in July or early in August. I have never tried them as late as September. Many evergreens will root successfully when put in sand as late as November, but that is another story.

Roses as a rule do not root very successfully if the cuttings are taken from plants that have been growing outdoors, but if the cuttings are taken from plants that have been growing under glass all the time, the loss will be quite small in the hands of an attentive propagator, and the results would be better

NEW ORCHID HOUSE OF SIEBRECHT & SON., NEW ROCHELLE, N. Y., AND 3 000 NEWLY IMPORTED PLANTS OF CATTLEYA TRIANÆ.

if the cuttings were taken in October and not September for we frequently have quite hot weather in the latter named month, which renders the propagating of roses more risky.

Speaking, generally, the tea scented section of roses roots with more certainty than the hybrid remontant; especially does this apply to the middle section of the country, whereas in California and some other of the Pacific coast and southern states if the remontant, when dormant, is cut into lengths of a foot or so and placed close together in a trench outside, they will nearly all root, but the tea section is more precarious. As it is not mentioned in the query what part of the country same came from the above reply is given accordingly. EDWIN LONSDALE.

TWO NOVELTIES OFFERED BY WATKINS & SIMPSON.

Nasturtium Queen of Tom Thumb Scarlet. Alyssum Compactum Little Dorrit.

Some Novelties of 1907.

Watkins & Simpson offer the following in their novelty catalogue of 1907. The descriptions are by the introducers and the novelties are thus indicated:

BEET, DROOPING CRIMSON, WILLOW LEAVED.—This is by far the most ornamental foliaged beet for bedding, a selection out of the dracæna leaved, which we have been improving in our grounds for several years. The leaves are long and narrow like a willow, but of the darkest crimson bronze, of bushy elegant form, with leaves drooping over. We can strongly recommend this new improvement as the most suitable crimson foliage for bedding purposes. We have proved this to be very suitable for edging or bedding contrasted with either pyrethrum, lobelia or Dactylis variegata and far superior to perilla or iresine.

ALYSSUM COMPACTUM LITTLE DORRIT (Novelty).—A grand improvement on the already much grown variety, Little Gem, being much more compact. This new variety forms a perfect little bush with miniature white rocket flowers. A perfect gem for borders or beds.

CINERARIA HYBRIDA COMPACTA STARFISH (Novelty).—This grand new strain of cineraria we feel sure will be found a great acquisition. The plants are of strong vigorous habit, dwarf and compact, with flowers of enormous size, petals twisted and curled like a single cactus dahlia which gives the plant a very striking appearance. The colors are various, including all the bright shades usually found in the ordinary cineraria.

ESCHSCHOLTZIA ERECTA COMPACTA INTUS ROSEA.—After many years of close selection we have succeeded in fixing this new and charming variety. In color it surpasses anything yet introduced in eschscholtzias, a beautiful rose color, the petals both inside and out being of one color never before found in eschscholtzias. The plants are also of a compact upright habit after the style of the well known varieties Mandarin Erecta Compacta and Rose Queen Erecta Compacta.

Hunnemannia Famariœfolia.

HUNNEMANNIA FAMARIOEFOLIA (perennial poppy).—This elegant half-hardy perennial grows about one and one-half feet in height, upright bushy habit, with flowers of a lovely bright yellow with rich orange stamens which last longer in water than any poppy or eschscholtzia, glaucous foliage. If sown clearly in March in the open will flower same year.

NASTURTIUM QUEEN OF TOM THUMB, SCARLET, VARIEGATED FOLIAGE (Novelty).—This new color in our already popular variegated leaved variety (Queen of Tom Thumb) will be found a fine addition to the nasturtium family. The color, a brilliant orange scarlet, forms a grand contrast to the beautiful silver variegated leaves.

SWEET PEA NORA UNWIN (Novelty).—This charming variety especially takes its place easily in the front rank of pure whites, far outdistancing Dorothy Eckford, which was hitherto considered the finest white, being larger, purer and finer form. It has the same bold wavy standard as Gladys Unwin, and like all the progeny of same, it is true to name and does not sport.

SWEET PEA MRS. ALFRED WATKINS (Novelty).—A superb pink of Gladys Unwin type, color a pale pink much like the old Princess Beatrice, which was thought so much of when it was introduced many years ago; but the flowers of Mrs. Alfred Watkins are very much larger and have the beautiful bold wavy standard of Gladys Unwin. It will be found one of the best market varieties for cut bloom.

SWEET PEA FRANK DOLBY (Novelty).—A lovely pale blue, the same shade as Lady Grisel Hamilton, but very much larger, and being also bred from Gladys Unwin, it has the same bold wavy standard and large size of its parent. It is today the finest and largest pale blue sweet pea.

SWEET PEA E. J. CASTLE (Novelty).—A magnificent addition to the Gladys Unwin class, with the same large flowers and bold wavy standard of its parent. The color is a very rich carmine rose with salmon shading in the standard, and this, over and above its other merits, has a rich striking effect, especially in artificial light.

Storing Canna Roots.

ED. AMERICAN FLORIST:—

What is the best way of keeping canna roots through the winter?

A. C.

After the foliage has been slightly frozen by the first frosts, cut the tops off within 6 to 8 inches of the soil. When lifting merely shake off the loose soil from the clump, place the clumps under the greenhouse benches, first putting down some old boards so the roots

will not rest on the damp soil which will start growth action. Under carnation benches is best if you have them as they can be kept more free from drip than under benches with pot plants, and the temperature of a carnation house is about right. J. S. W.

To Be Done Now.

IN THE GREENHOUSES.

In cutting Asparagus Sprengeri avoid leaving stubs of the stem as these grow again causing a thick undergrowth that leads to damage.

Now that cooler conditions prevail Chatenay buds may be left until they commence to open before cutting.

Too great a heat on steam pipes when applying sulphur leads to burning of the flowers especially of pink roses.

Carefully avoid wetting the young growths of semi-established odontoglossum from now on, and maintain a night temperature of not less than 50°.

Woodlice are getting troublesome. Sugar, flour and paris green is an old remedy difficult to beat if placed where the insects have free access to it.

Continue to remove all runners and decayed foliage on violets or flowers will be few.

Avoid leaving the racemes of Oncidium varicosum and others a day longer than is really necessary as they constitute a severe strain to the plants.

A day's drying now of the upper surface of the soil on the rose benches is very beneficial in checking green slimy growth.

IN THE STORE.

In using new packing boxes see that all choice flowers are covered with tissue or oiled paper to prevent dust from injuring them.

Although individual flowers of most orchids last well when cut, sprays of some of the scandent oncidiums are easily injured and only a few should be exposed at a time.

Window displays are often ineffective owing to the changing of several tints of one color. It is especially to be noted in the pink and purple chrysanthemums just now.

Crotons and similar pot plants grown in hot houses are soon ruined now in a drafty or cold window or doorway.

Cut fronds of maidenhair ferns may be kept close in a tin or other box and ample moisture is necessary, but asparagus may be kept a little drier.

In sponging palms and other foliage plants rub very lightly to remove the dust without injury to the leaves.

In making up designs in which rose foliage appears keep the latter in water until the last minute before use as it so quickly wilts.

Cyperus or umbrella plant is almost an aquatic so must not be allowed to get dry at the roots in the store.

OUTDOORS.

If all rubbish and weeds were collected and burnt in a slow fire a useful heap of material would result and many attacks of insects and fungoid pests be averted.

A firm yet well divided root run is more to be desired than a very rich soil in which to plant fruit and flowering trees.

Don't be too anxious to clean out fallen leaves from outdoor violet beds as these are a useful protection in frosty weather.

Hardy shrubs that are plunged in pots should be looked over now, and the pots covered with new pluming material if needed.

Newly potted and boxed bulbs must on no account be heavily covered with ashes; a couple of inches is ample.

Cutting the Coal Bill in Two.

Under this heading, page 484, issue of October 6, Thaleon Blake gives us all advice to use slack as a much cheaper grade of fuel. This is good counsel for those who can procure the slack, which not every one can, and for those who can get it and are fortunate enough to have a fireman with good enough judgment to get all the heat out of it without wasting the material, it is excellent advice.

But the important part of the article is the arrangement for supplying heated air direct to the fire, and I doubt not many other florists in the country, as well as myself, would be more than willing to travel a good many miles to see the proposed saving of fuel in practice. If Mr. Blake can inform us where such a system is in use, with the saving of half the coal bill, I trust Mr. Blake will not think me troublesome if I ask him to give us, through the columns of THE AMERICAN FLORIST, answers to the following questions:

First.—Of what material is the best to make the drum of that he places at the back of the fire grate, on the bridge wall? Second.—How does he prevent it being burnt out in a very short time, placed as it is in direct contact with the greatest heat from the fire? Third.—What kind of grate bars does he use to stand the extra strain which they must have, by direct contact with superheated air, always acting on their surface?

In my experience in firing, during about 50 years, I have tried this method in a small way, though not exactly as directed by Mr. Blake, but have found in every instance that by cutting off the cold bottom draft entirely, and depending on the heated air only, with a very hot fire, the grates soon become twisted, warped, and break, making it necessary to have a constant supply of new grates on hand. This soon becomes expensive and troublesome, as it always occurs in the coldest weather, when steady hard firing is absolutely necessary. The heated air is undoubtedly beneficial when applied to the top surface of the fire, as it creates better combustion, hence more heat direct on the surface of the boiler, at the same time greatly helping to consume the smoke, thereby a twofold advantage.

Mr. Blake struck the right keynote when he said, cutting the coal bill in two, and a note that will appeal to every florist, and if he will kindly answer the above questions it will be a great help to all of us to know how we can safely adopt his plan. Many of us are more or less wedded to a method which we have found in the past gave fairly good results, but I think a very large proportion are ready to adopt any new method, especially when it is a saving in their bank account, and I think many, like myself, will feel very thankful to Mr. Blake for his timely, concise and practical article, for it is just such articles that set the live florist thinking out schemes to his own advantage, thereby a great benefit to all.

JOHN N. MAY.

THE SMALL FLOWER STORE.

That of Geo. Giveas, Randolph and State Streets, Chicago.

COLORADO SPRINGS, COL.—Cash prizes aggregating $98 were awarded the Colorada Springs Floral Co. at the Pueblo state fair. This same firm also recently won 19 first prizes at the flower show of the El Paso County Horticultural Society.

THE RETAIL TRADE

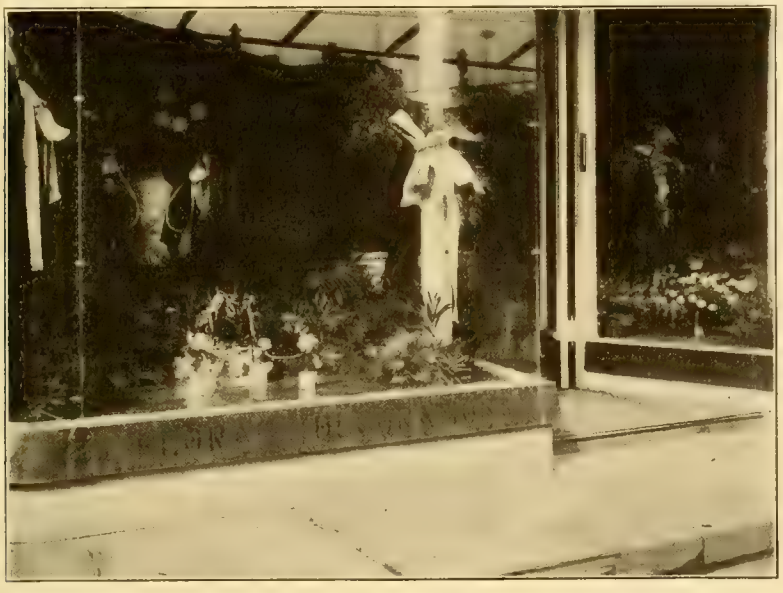
The Small Flower Store.

Of late years, the growth in the number of retail stores has been very large. This is partly due to the increased output of the growers and the advent of the Greek as a retail florist, who has heretofore occupied the entrance of a big building or the more convenient street corner. Most of this class of retailers have erected small establishments which seem to be doing a thriving business.

This is amply demonstrated by the flower shop of Geo. Giveas, Chicago, situated near a bustling corner and covering a floor space of about 7x9 feet, with the exception of the window which is fully five feet wider than his store front. A curious arrangement with his landlord allows him the use of this additional space and gives him a total window frontage of about 14 feet. The window contains an artistic arrangement of moderate priced flowers, carnations and roses, predominating. The entrance is decorated with palms and bay trees, and, in fact, the entire display is well calculated to lure in the prospective purchaser. The walls and ceiling are plainly calcimined, the former having two mirrors about five feet high which run the length of the room. The store contains nothing in furniture save a shelf, desk, chair, and a single counter. Most of the stock carried is placed outside.

Another Chicago Store.

Frank Williams is one of Chicago's most successful retailers. The illustration herewith shows only the smaller of his two stores. The dimensions of the room are 12x18, a moderately sized establishment, well kept, and handling only the best grade of stock. A small refrigerator containing several glass shelves and mirrors makes an excellent display. Here is arranged a tempting assortment of roses, carnations, lilies, etc. The room has but little furniture. There are two tables, covered by marble slabs, a cashier's desk and several chairs. The window measures about six feet in width and is very deep. In here an excellent assortment of fresh stock is kept.



MINIATURE WEDDING DECORATION IN R. G. WILSON'S WINDOW, BROOKLYN, N. Y.

See New York notes.

WAGON LOAD OF DAHLIAS ARRIVING AT A. H. LANGJAHR'S, NEW YORK, AT 6 A. M.

Idlewild Greenhouses, Memphis, Tenn.

The grand opening of the new and beautiful store of the Idlewild Greenhouses, Memphis, Tenn., occurred October 8. The store was thronged with visitors all day. The front window was a bower of ferns and was starred with hundreds of American Beauty roses and Easter lily. On the side was one continuous bank of ferns; this, also, was starred with American Beauty. The canopy of asparagus, wild smilax, ribbons, white roses and carnations was very effective. Under the canopy the height of the floral art was shown in the execution of the mantle decoration.

The next attraction was the bride's table. In the center of this was an immense shower bouquet of Bride roses and lily of the valley, the streamers of which extended to each place. Around the edge of the table, draped in a very artistic manner, was smilax. Over the entire table roses were laid in a very careless manner which gave a very graceful effect. On the library table was another large shower bouquet. This was made of Madame Chatenay roses and lily of the valley, with streamers of ribbon.

Many admired the beautiful orchids and double violets, also chrysanthemums, which, by the way, were the first shown in this city this season. Another very novel feature were the bouquets of roses and carnations frozen in ice. Twenty-five thousand flowers were given away as souvenirs. Otto Schwill, Jr., the genial proprietor of this concern, deserves credit for the generous spirit of his display.

What Some Chicago Retailers are Showing.

Business continues very brisk in the retail stores here, and although prices rule rather high the quality of the material shown is excellent.

A. Lange, Madison street, is showing fine roses and chrysanthemums in all the leading varieties and reports that wedding and social orders are coming in briskly. Mrs. Marshall Field and Chatenay were in excellent order here, also the showy red water lily, Nymphæa Zansibaxensis.

John Mangel in his first floor show rooms has a very fine assortment of palms, bays and green foliage plants generally. A few orchids, such as Odontoglossum grande and Cattleya labiata brighten the store windows. Here too we saw magnificent American Beauty roses and especially fine Mrs. Marshall Field with grand leafy stems two feet

in length, this superb variety at its best in short, also good Liberty, Killarney and Kaiserin, with fine chrysanthemums in variety.

Harry Rowe has a good assortment of small pot plants and reports very satisfactory business. Fine assorted chrysanthemums, roses in all leading sorts and water lilies help to make a showy window and some pots of the variegated box show what an excellent and hardy subject this is for cold or drafty positions.

In spite of the inconvenience incidental to rebuilding and consequent removal P. J. Hauswirth, in the Auditorium Annex, appears smiling and busy with a good stock of leading varieties. Large bouquet orders are frequent and the counter trade good.

The south side retailers appear to be sharing in the general briskness, W. J. Smythe having lots of work on hand, including the decorations at Mr. Harry Morris' house on the occasion of Sir Thos. Lipton's visit, when a scheme carried out in American Beauty roses was much admired. After cleaning and alteration the store has a very bright appearance, the windows showing tasteful arrangements of baskets of capsicums and ferns.

Adiantum Farleyense is used with good effect among small foliage plants in Chas. Samuelson's windows on Michigan avenue and here too the reports as to business are of the best.

Washington.

MARKET STEADILY IMPROVES.

Business continues to improve. October weddings call for considerable decorative work, and the national encampment of the Spanish war veterans, and convention of veteran telegraphers, during the past week also contributed something to the total. The quality of greenhouse stock improves slowly but, good or ill, it is now all there is, as killing frost on the nights of October 11, 12 and 13 put all the outdoor flowers out of business. Chrysanthemums are beginning to put roses and carnations in the back ground and that condition will, as usual, prevail until the crop is cut. There is a moderate demand for violets with a very limited supply. The stocks of the few local violet growers are quickly taken and Virginia stock seems to come in slowly. Small lots of an excellent quality of Rhinebeck doubles are occasionally seen. There is considerable trade in ferns and other seasonable pot plants.

NOTES.

There is a great deal of conversation over a commission house, which has not yet crystalized into results. However, it seems a certainty that one will be started in the near future, if not by a stock company by individuals, and if local capital is too timid to invest in such an enterprise it will be taken up by outside men. The local retailers, who do not grow, are almost a unit in favor of a commission house, though they are not unanimous as to the methods to be pursued in securing it. At present the chief obstacle seems to be the opposition of several large growers who also retail. With reference to them, a prominent store man has this to say: "They have no uniformity of prices. Though we patronize them liberally they are just as likely to charge us a retail as a wholesale price if they think they have us cornered. The business of Washington demands a flower commission house and it is bound to come." Said another retailer: "No honest grower need fear the results of a commission house being established."

Lord & Burnham will at once begin work on two new houses at the U. S. Botanical Gardens. It is the understanding that work will be pushed to the limit that the work may be completed before severe weather sets in. I learn that the contract for this work was let to other parties but there was a hitch somewhere and it was taken out of their hands, after some trouble. It is getting pretty hard to fool Uncle Sam with "something just as good."

F. R. Pierson, of Tarrytown-on-Hudson, was a recent visitor to this city. It is hoped that in the future Mr. Pierson will be a more frequent caller. Incidentally it is hoped that the dissemination of Winsor and Helen Gould will be successful. As shown here, a year ago, they promised to be valuable contributions to the select carnation circle.

W. R. Smith has been entertaining a party of Scotch friends and accompanied them north on their return trip, when the horticultural features of New York and Boston were inspected.

F. H. Kramer has returned from his trip to Mexico. He is the picture of health and brought the hot tamale habit home with him.

Baltimore.

TRADE GOOD.

Trade is about what it should be at this season, and the supply just about keeps up with the demand. The weather has been variable, and after the cool "snap" it will not be surprising if we have a continuance for several weeks of fine and warm days.

NOTES.

Great interest centers here in the announcement that the Johns Hopkins university has made provision for a botanical garden and a large, modern greenhouse. The former is to be laid out on such a scale that it will not fail to rank high among such valuable adjuncts to the investigation of plant life, just as the greenhouse will give large opportunity for studies in pathology. Dr. D. S. Johnson, professor of botany at the university, is developing the scheme and is enthusiastic over the possibilities which it involves.

The greenhouse will differ, naturally, in some respects from commercial and show houses, in that it will not be devoted to propagating large quantities, nor to the displaying of handsome individuals, being, in fact, rather a laboratory in which to pursue botanical inquiries and the study of normal and abnormal plant-life manifestations.

In the gardens the effort will be made to combine the practical and the beautiful, and while the planting will be done according to the most approved plans for exhibiting genera and species, an attempt will be to so dispose of the various groups as to present features which will not destroy, but rather accord with the general scheme of landscape gardening, which will be adopted. The professor is in consultation, with this idea in view, with Frederick Law Olmstead. Work at the university in botanical courses has been done heretofore at a great disadvantage, but the new facilities will doubtless add to the interest in these branches.

S. B.

TEMPORARY STORE OF THE ART FLORAL CO., SAN FRANCISCO.

Bricklayers are pushing work on J. Louis Loose's building at Fourteenth and R streets. S. E.

NEW HAVEN, CONN.—The County Horticultural Society's dahlia exhibit September 18 brought out many notable displays. Among the most attractive were those of President Robt. D. Pryde, J. H. Slocombe, Ernest Carroi, gardener to N. W. Kendall, A. J. Thompson, of West Haven, and John H. Marroy, of the Yale school of forestry.

St. Louis.

MARKET STRONG.

The market this week was very strong for several reasons, the cold snap and the almost entire absence of outdoor flowers figuring most prominently. The lateness of chrysanthemums coupled with the great scarcity of carnations increased the demand in other lines. Roses had to be used in all design work and therefore prices stiffened on these. American Beauty has fallen off in quality as well as in quantity; bullheads and crippled blooms hurt the prices. Carnations in the main still have short stems. Long stemmed blooms are bringing top prices. A few yellow and white chrysanthemums are in the market of medium quality.

NOTES.

There is quite a stir in local trade circles at the announcement of the formation of a new horticultural society for this city. The names of the officers and gentlemen connected with the organization are those of men well versed in horticulture. The majority of the officers being practical growers should commend the movement to those who desire to see the florists' business raised to its dignity and occupy the position it should in the eyes of the public. The building of a hall in this city in which semi-annual exhibitions could be held, alone would commend itself to all who have the work and interest of the trade at heart. We need a society where personalities and prejudices shall be obliterated and whose only aim shall be to encourage the masses in the love and admiration of flowers.

Frank M. Ellis has just returned from Panama. He has been absent a month. Mr. Ellis has a chocolate plantation, also 4800 acres in bananas. He expects a bright future for his new enterprise. Frank looks the picture of health although much thinner.

F. J. Foster received two prizes at the horse show this week, one second and one third. Fred got back at the judges on Saturday. Had he done so earlier in the week he might have received fairer treatment which he deserved.

We regret to announce the serious illness of Miss Armstrong, daughter of Luther Armstrong, of Kirkwood, Mo. She is suffering from appendicitis and is at the Jewish hospital where she is progressing favorably.

Miss Theresa Badaracco had the Scarrit-Keller wedding, Wednesday, and several thousand double violets and lily of the valley were used. She also had her new wagon on exhibition at the horse show.

A trip to Henry Felter's greenhouses will convince anyone that his chrysanthemums are as good as any that can be found in this locality.

Plans for beautifying and parking of the city of Kirkwood, 13 miles out of this city, are under consideration.

The Schoenle Floral Co. reports business as flourishing. This firm has several large wedding orders booked.

W. H. Kruse reports trade as first class. He has a very large trade which is spreading out in all directions.

G. H. McNeil, Jackson Tenn., was a visitor. W. F.

Cincinnati.

STOCK SCARCE.

A heavy frost last Wednesday night put a stop to all outdoor flowers and stock has been very scarce ever since. The greatest demand is for carnations with a scarcity never before equalled in the history of the business. From present indications they will remain scarce for a long period. Blooms with medium length stems of fair quality bring three cents and about 90 per cent of orders are turned down at that. Roses are good and of course are required to take the place of carnations; consequently a good demand prevails. Chrysanthemums have made their appearance in greater quantities and sell out clean every day at profitable prices. Some very good lily of the valley is to be had, in fact we cannot recollect the time it was better. A few violets were received the past week but they are hardly worth mentioning. Green goods are plentiful and in good demand.

NOTES.

The meeting of the Florists' Society has been postponed until October 25, when the subject of a big chrysanthemum show to be held next fall will be thoroughly discussed. By the way what is the matter with having the Chrysanthemum Society of America hold a big show in our city? There is no better adapted and more centrally located place for a thing of this kind than here and our celebrated Music hall is big enough for any exhibition.

There are some big weddings to be held the coming week, which no doubt will create a big demand for flowers. A. Sunderbruch's Sons have two immense orders, one of which will consume several thousand lily of the valley. F. W. Hardesty & Co. have placed orders for large quantities of chrysanthemums and cattleyas.

Albert McCullough, of the J. M. McCullough's Sons Co., sent about 500 lily of the valley to this market, which would be hard to beat anywhere. They were forced from pips which are being tested in Mr. McCullough's private greenhouse and they look to be all that is claimed for them on the other side of the big pond.

The Kreimhilde dahlia, which has been very popular in this city, owing to the heavy frosts of the past week will be severely missed from the counters.

Al. Grey, of the Ohio Cut Flower Co., left the past week for Montgomery, Ala., which city he hopes to make his future home.

Gus. Meier is again this season sending in some of those fine Bride and Bridesmaid roses for which he is noted. ALEX.

Cleveland.

COLD WAVE MAKES STOCK SCARCE.

The cold wave that struck this section on October 10 was the most severe for this time of the year experienced in a long time. The thermometer hung around the freezing point for three days which meant the last of all outside stock. Scarcely any cosmos has been seen in this market and from all reports there will be none. Dahlias were also ruined by the snow storms. Carnations and roses were never known to be so scarce at this time of the year. Prices in all lines are on the incline and with all outside stock out of the way there is no doubt but that stiff prices will obtain from now on.

ANOTHER CHICAGO FLOWER STORE.

That of Frank Williams, 37 Randolph Street.

NOTES.

At the last meeting of the Florists' Club the following members were elected as officers: Chas. Schmitt, president; Wm. Stade, first vice-president; Wm. Warnke, second vice-president; I. Kennedy, secretary; A. Hart, assistant secretary, and H. A. Hart, treasurer. Adam Graham, Sr., introduced the new officers with an eloquent address, which was thoroughly enjoyed by those pres-

ent. Mr. Kennedy has filled the position of secretary for six consecutive terms and Mr. Hart 11 terms as treasurer.

On October 8 a few close friends of Isaac Kennedy were invited to his plant at West Park to view his new white rose, a sport from Bride, which is a world beater. While there the party were informed that it was the twenty-first anniversity of the wedding day of their host and hostess. Then Mrs. Kennedy served a fried chicken dinner which all greatly enjoyed.

Horace G. Welty has rebuilt the old Wamalink place on Woodland Hill avenue, having installed new boilers and put the whole place in first class shape.

The Ohio Cut Flower Co. has moved to its new location on W. Twenty-fifth street. This store, when completed, promises to be one of the finest in the city. The company has a fine automobile delivery wagon.

Ogden Gaul, formerly with Wm. Brinker, seedsman, has taken a position as traveling salesman for the Cleveland Cut Flower Co., covering Ohio with a line of florists' supplies and wire work.

The J. M. Gasser Co. is in its new store on Prospect street, which is about as fine a location for their business as could be had in the city.

The Ohio Floral Co. is sending in some fine chrysanthemums for so early in the season.

Smith & Fetters have been displaying some fine novelties in baskets the past week. OHIO.

Detroit.

STOCK SCARCE.

Coming immediately upon the fall revival of business activity is the present general scarcity of flowers of all kinds. A hard and unexpected frost last week destroyed every flower outside, which fact greatly stimulated the public demand which found the dealers almost totally unprepared for it. All the local growers are off crop with their carnations and roses too are very scarce. Chrysanthemums are later coming in this season than usual and very few are yet to be had though heavier receipts are daily expected and when they come will be readily disposed of. Violets are quite frequently called for but very few have yet appeared in the market and they were small, soft and off color.

NOTES.

Gus. Knoch, Woodmere, is suing the local gas company this week for a loss sustained by the company's refuse contaminating the water that flows through his place where he grows water hyacinths. His sale of these exceeded 75,000 plants this season. Mrs. Knoch is now in New York where she has been selling much of their stock.

Geo. A. Rackham is just finishing the installation of a hot water system in his greenhouses using the Holly-Castle circulator. His son Harry, who has been dangerously ill with typhoid fever, is somewhat improved but not yet out of danger.

Fred Miesel's heating system was partially dismantled when the unexpected cold snap came last week injuring some of his plants. His splendid stock of cyclamen plants was uninjured.

Thos. Browne, Greenfield, sustained a painful and dangerous injury to his knee about four weeks ago, and is still confined to the house.

Miss Luffman called upon her friends, Chas. Maynard and wife, here on her way west to Spokane, Wash., where she at present resides.

The L. Bemb Floral Co. is building a commodious and elegant refrigerator and making other improvements in its Bates street store.

James Taylor, Mt. Clemens, is changing his heating system from steam to hot water, using the Holly-Castle electric circulator.

John Carey's daughter, Miss Belle, of Mt. Clemens, left October 17 for Denver, Col., where she will spend the winter.

Mr. Pennock and wife, 1514 Chestnut street, Philadelphia, were visitors last week.

The Late Paul Goebel.
See obituary.

Philip Breitmeyer is on an extended business trip in eastern cities this week. J. F. S.

Kansas City.

THE MARKET.

Quite a change, in both conditions of trade and of market has occurred during the past week. Heavy frosts throughout Missouri and Kansas, have destroyed everything in the way of vegetation. In some localities in this vicinity, the thermometer registered as low as 25° with ice over an inch thick. The sudden change has caused somewhat of a scarcity in the supply, only the usual stock of staple flowers being obtainable. The advent of the horse show brought many orders. American Beauty is in good demand with the supply hardly sufficient to fill requirements. Bride, Bridesmaid, Golden Gate and Chatenay roses are the most plentiful, and of fairly good quality. Some of the finest Killarney ever placed on this market were to be seen last week. The good results shown by this variety is somewhat of a surprise to many who disregarded it when it first came to notice. Carnations are in good demand at advanced prices; Norway, Lady Bountiful, and Boston Market comprise the white sorts; Joost, Lawson and Enchantress, are varieties in better flower than others. Violets have begun to arrive in small quantities and show much improvement with the cool nights. Some chrysanthemums find their way to the market, but the supply is limited. Monrovia and Polly Rose are about the only varieties. A number of growers will be in this week with other early varieties. Green goods are plentiful.

NOTES.

"Considering the circumstances, business is all that can be expected," says William A. Bastain. "We have completed arrangements with several large growers for their stock this fall, which will relieve the situation, as soon as cutting has fully begun."

"The fall season is opening with an exceptionally large amount of work," says W. L. Rock; "social affairs of every nature have been unusually numerous for this time of the year; a very good indication of the general evidence of prosperity."

Everything bears the appearance of being in fine condition at Edward Humfeld's place. He says trade for September was far in advance of the same month last year.

Among recent visitors was L. J. Stuppy, of St. Joseph, Mo. Mr. Stuppy says that indications point to a very busy season in that city.

The regular monthly meeting of the Missouri Valley Horticultural Society will take place October 20 at Edwardsville, Kans.

Samuel Murray had the decorations for the Knife and Fork club dinner at the Coates house last week.

Edward Quinn, of Springfield, Mo., has taken a position at the W. L. Rock Flower Co.'s plant.

Ed. Bunyar, of Independence, Mo., has made an addition during the summer to his plant.

Lawrence Schwager was in the city last week, paying visits to friends in the trade.

W. H. Humfeld was busy last week with a large amount of funeral work.

F. J. Farney, of the A. L. Randall Co., Chicago, was a recent caller.

W. J. Barnes reports a very satisfactory trade in his new location. K. C.

Columbus.

MARKET STEADY.

The local market has been quite steady this week, there being no trouble in getting or disposing of stock. American Beauty baskets seem to be having a run here and some very pretty ones have been made. Dahlias are steadily growing in favor and a great many have been sold here. The dahlia makes a very serviceable flower for a great many purposes, and as a low priced vase flower it is unexcelled.

James McKeller, of Groff Bros., has been quite sick with rheumatism for the last two weeks. He had just come home from a sanitarium at Magnetic Springs, O., a short time ago, but it seems that in spite of this his trouble has returned. CARL.

San Francisco.

TRADE FAIR.

The past week has not been bad for the trade. In fact, the cut flower dealers are unanimous in ascribing credit to September for having done well in a preliminary way in ushering in what is confidently expected will be a good, old time fall and winter season. Flowers for the last couple of weeks, owing to the excessively hot weather, have not been, either in quantity or quality, equal to the demand, but before another fortnight, the growers say there will be no cause for complaint in this particular.

HORTICULTURAL SOCIETY MEETING.

John McLaren, superintendent of Golden Gate park, was the pre-eminent feature at this week's meeting of the Pacific Coast Horticultural Society. It was the first time the meeting was called to assemble in Park Lodge, an attractive gothic structure located in the midst of a grove of magnolias just within the main entrance to the park. Superintendent McLaren is a member of the Pacific society and has his residence within the park enclosure a few steps distant from the Park Lodge. It was noticed that during the meeting's earnest discussion as to whether or not the society's usual annual flower show in November should be passed, and the exciting annual election of officers that followed, that Superintendent McLaren didn't seem to take the usual interest, but passed out every few minutes to his home. This was not understood at the time, yet no comment was made.

Adjournment followed, but at the close of the concluding ceremony Superintendent McLaren popped into the hall and announced that he wanted every member to accompany him to his home. This was done without question and every member remained at the home until quite late, for the surprise banquet that was there spread for them, and the way Mr. McLaren wined them, was the tastiest thing of the kind that has transpired here since the earthquake-fire.

After the meeting decided to postpone the flower exhibition till spring, the following officers were elected: J. W. Bagge, president, re-elected; F. Sulty, vice-president; T. F. Taylor, recording secretary; J. H. Atkinson, financial secretary; F. Cleis, treasurer; John Thiergarten, librarian; H. Plath, usher.

NOTES.

The valuable Brandegee collection of botanical specimens, together with the Brandegee library of over 3,000 volumes of botanical works, and the furniture and fixtures for the care of the herbarium, have been presented to the botany department of the University of California. This gift is a most important one to the department for the reason that the herbarium contains over 100,000 specimens of plants, gathered principally in southern California, Arizona and Mexico, a region which is but little covered in the original collection of the university. The university herbarium is now one of the largest and most valuable west of Harvard.

Fifty thousand dollars made in the cut flower business in this city is being invested in the upbuilding of greater San Francisco. J. W. Shanahan, locally well known as the proprietor for years of the Shanahan Floral Depot, in Powell street, is the man who is doing this. He is erecting a business structure on Howard street, between Eighth and Ninth streets.

The dean of all the rank and file of Pacific coast floriculturists, E. Gill, proprietor of Gill's Nursery, near the University of California, is off on another tour of observation. He recently returned from an expedition to the bulb growing plantations in Holland, and now he has gone on a visit to the trade in Oregon, Washington and British Columbia.

Our sympathy is still with the attaches of flower stores yet living in tents, particularly one young man and his wife, whom I knew before the fire as proprietors of a flower store on Fourth street. These feelings must be shared by W. J. Dingee, a Golden Gate park commissioner, for this week he sent his check to the relief committee for $5,000.

When Generals Grant anl Lee were concluding business at Appomattox that all America was vitally interested in, Mr. Gill was conducting an 8-acre flower-producing plot in Oakland, but now his nursery of more than 100 acres adjoins the city limits of Berkeley, and he is ranked with the very wealthy men of the Pacific coast.

Incorporation papers have been filed for the Sievers Floral Co., with a capital stock of $25,000. The incorporators named are Frederick J. Autz, J. George Ils and John R. Sievers. John R. is a son of John H. Sievers.

JESSE WHITE.

Denver.

Business has been very good the last month. We are getting some very good stock now. Chrysanthemums are coming in fine. Violets are very plentiful at fair prices.

NOTES.

We have a new concern which has just started under the name of the Sylvia Floral Co. The florist is a girl who has worked for the Alpha Floral Co., and her place of business is 427 Sixteenth street. It is a fine establishment, all in white, with a great many mirrors, etc.; in fact, she has a prettier store than the Alpha.

Ben Boldt left last Saturday with his family for Germany, and expects to spend the winter there. He will return in the spring and go into the growing business again.

Mr. Braidwood is doing very well at Harris. The firm has incorporated under the name of the Braidwood Floral Co., and capitalized at $25,000.

Phil. Scott has returned and is in the harness at the Scott Floral Co. His many friends are glad to see him.

PLATTE.

St. Paul.

TRADE GOOD.

Only roses and carnations are seen now in quantities and while they are improving in quality, it is hard to find much good stock. Violets have made their appearance but in very limited quantity and are sold on sight. Chrysanthemums, such as they are, have made their appearance. There has been a big call for these, but when customers were asked $4 and $5 per dozen for flowers that did not equal good asters they usually backed out. Frost has done its work outdoors and there is nothing to cut from except when protected. A good deal of late outdoor stock has been sold this fall, Hardy asters, boltonia, Pyrethrum ulignosum, etc. Trade has continued good with a good call for plants from people returning from their summer homes. Several good wedding orders are in prospect this fall, with some booked already. All indications point to a very busy season.

NOTES.

Holm & Olson will be in their new store by the first of next week. It will probably be the largest store devoted to a florist's retail business in America. Scarcity of labor and unforseen obstacles have delayed the work of getting it ready for occupancy.

J. D. Ramaley of the Ramaley Floral Co., left last week for a visit of three weeks in California. It is Mr. Ramaley's intention to dispose of his store here and remove to California if his plants do not fail.

S. D. Dysinger, for many years with L. L. May & Co. and lately with Sears, Roebuck & Co., of Chicago, is now with Holm & Olson and is busy shaking hands with old friends here.

O. J. Olson has been passing cigars around, the occasion being the arrival of another florist at his home.

Jack Hoffman, manager of L. L. May & Co.'s store, reports business as very satisfactory.

Gus Colberg, of the Swanson Floral Co., has a good call for funeral work.

O.

Louisville.

BUSINESS VERY GOOD.

Business the past week has been very good, especially the latter half, when good stock, especially in carnations, lilies, and American Beauty roses were almost impossible to secure. We had a very heavy frost one night which ruined almost everything in the way of dahlias, cosmos, etc., and this had a great deal to do with the extra demand for other stock. The demand for roses has been very good, and the stock and supply was very good with the exception of American Beauty. If it would have been possible to push the blooms out of the carnation plants the past week, no doubt several would have worked over time. It was impossible to get a quantity of them at any price Saturday, but the few that were to be had were good. A few violets were on the market, and sold readily. Lily of the valley has had a very good demand, and the supply promises to be adequate very soon, likewise with lilies. A few chrysanthemums were on the market, and in a few days the supply will be very good. Green goods are very plentiful with the exception of Asparagus Sprengeri, which has had a very heavy demand.

NOTES.

The regular monthly meeting of the Kentucky Society of Florists was held Tuesday night at Mrs. C. B. Thompson's Fourth avenue store, with but a few present. "What's the matter boys?" Five applications for membership were accepted as follows: Mrs. Kunzman, Mrs. Carrie Quarles, Miss Edith Walker, Robt. Miller and Wm. L. Korb.

Prosperity is certainly among the lo-

cal florists. It's a girl and the price of carnations will probably go up. Ask Louis Kirch.

Wm. Walker had an appropriate window, the horse show and races both being represented.

The next meeting of the Florists' Bowling Club will be Tuesday night, October 23.

Have you heard the noise at Fourth and Chestnut? See August Baumer's new paper. F. L. S.

Indianapolis.

PRICES STIFFER.

Business has decidedly improved since last week. The retail men report plenty of funeral work, good counter trade and quite a number of weddings and openings. With the outside stock completely frozen and the bulk of early chrysanthemums not yet on the market, flowers were actually not equal to the demand and prices stiffened considerably. The scarcity was more apparent in carnations than in any other stock. The demand for orchids has increased remarkably. Next week will see many thousands of early chrysanthemums in the market in this vicinity.

NOTES.

H. W. Rieman has completed the renovation of his place. This makes the place practically new with all vital parts constructed of iron and cement. His houses are located almost in the heart of the city and aggregate 22,000 feet of glass. The stock, in spite of all the building, looks very promising. A feature of this place is a reservoir for rainwater, which Mr. Rieman prefers to city water. The reservoir is under a 5-foot bench, it is four feet deep and long enough to contain 300 barrels.

The Smith & Young Co. experimented with cyanide for scale on orchids with good results. Four badly affected Cattleya Harrisoniæ were exposed for 20 minutes to the gas and came out clean and without the slightest injury. Fifteen one hundredths of a grain of cyanide of potash per cubic foot of space was the strength used.

E. Huckriede & Son have carnations and smilax, that come up to the top notch of perfection.

John Heidenreich has a fine house of Scottii fern; he thinks very favorably of this variety.

A. Heitz, formerly of Madison, intends engaging in business in this city. Mrs. Fred Dorner, Jr., of Lafayette, was a visitor here.

Edward Bertermann is in bed with rheumatism. J.

Allentown, Pa.

John Sykes, formerly with Horn Bros., has started a place for himself in South Allentown and erected three fine greenhouses. He heats them with a Kroeschell boiler and is very much pleased with it.

John Horn has put in a large steam boiler and furnished out three of his houses with solid beds with cement sides.

Earnest Ashley, who has rented the Ellsworth greenhouse for several years, has some very fine chrysanthemums.

A. B. E.

Nashville.

SEASON OPENING UP WELL.

The season is opening up well, and all dealers are looking forward to a successful winter. Chrysanthemums are nearly ready for the market, though the earliest blossom has not yet put in an appearance. Violets will soon be on in quantities, some advance guards being already in the stores.

EXHIBITS AT STATE FAIR.

One of the finest floral exhibitions ever made in this city was made at the state fair. The local florists entered into it with zest and put up some beautiful exhibits. A premium was offered for the finest and best collection of palms, ferns and decorative plants, and was captured by the Joy & Son Co., whose display was large and composed of some of the finest specimens of decorative plants of every description. These successful florists also made a most complete and beautiful display of cut flowers and captured the blue ribbon. They had all the new and beautiful varieties of roses, including Killarney, Kaiserin, Richmond, Golden Gate, Madame Chatenay, Wellesley, American Beauty, Ivory, Bridesmaid, Miss Louise Moulton, Bride, Enchantress, Lawson and other carnations, 25 varieties of dahlias, gladioli, Farleyense ferns and adiantums, making altogether a pleasing and beautiful picture. Above the cut flowers were suspended six large hanging baskets of ferns which were very effective. These also took a prize. But the most striking feature of the floral display were the baskets and designs. Mr. Joy exhibited a superb floral wreath on an easel three feet in diameter, with a background of of palms, filled in with Bride roses, lilies of the valley and orchids. He has been peculiarly successful with orchids this season, producing a quantity of splendid blossoms of Cattleya splendens. As he expressed it, they "have grown almost as weeds" with him. Several floral baskets contained fine specimen of roses, American Beauty, Killarney and others, none of them prize winners. A graceful urn made of dahlias and filled with the same was a unique exhibit and attracted much attention, winning a blue ribbon. Joy & Son distributed several thousand roses to the visitors to the exhibit. The enterprising firm of Geny Bros. also made some fine exhibits. Their display of palms, ferns and decorative plants captured the red ribbon. Their hanging baskets were large and luxuriant and very effective in the decoration. In their floral designs and baskets they carried off several prizes. A large floral basket of Richmond and Bride roses, filled in with adiantum was a beautiful exhibit and was awarded a first prize. Another basket of pink roses was given a second prize.

C. A. Birn, who has an establishment on Broad street, near the union station, starting in late last spring, has had rather a hard time, but prospects are good and he looks forward to a prosperous season.

Miss Eda Birn will change her location January 1, the owners of her present store having raised the rent "out of sight." M. C. D.

Albany, N. Y.

The local florists are interested in a movement started by F. N. Briare, of Whittle Bros., which has for its object the regulation of the hours of closing during the several months of the year. As outlined by Mr. Briare the plan provides for the closing of the florists' stores at 6 p. m. during the months of July, August, September and October; at 6:30 p. m. during February, March, April, May, June and November; and at 8 p. m. during December and January. It is also proposed to close every Saturday evening at 9:30 o'clock. As yet not all interested have signed the agreement, but it is expected by those who are furthering the movement that a satisfactory adjustment will be made along the line of the plan outlined.

Henkes Bros., Watervliet, are putting the finishing touches on two new houses, 20x100 feet, which will be devoted to general bedding stock. When completed the firm will have seven houses. Three of the number have an average width of 25 feet and in length are, 225 feet, 200 feet and 200 feet and are devoted mainly to carnations. A new Kroeschell boiler has been received and will be added to the heating plant.

W. W. Hannell, another Watervliet grower who has been in business about four seasons, is planning to extend one of his 70-foot houses to 150 feet. He has a rose house 24x150 feet and a carnation house of the same dimensions. Mr. Hannell has recently received from Chicago a No. 4 Kroeschell boiler which he will add to his plant. His establishment includes about 20,000 square feet of glass.

Marble, tile and plate glass workers are busily engaged in installing a handsome marble and plate glass refrigerator for cut flowers in the store of H. G. Eyres. The improvements will also include handsome wall mirrors and other decorations. When completed it is believed that the store will be about the handsomest establishment of the kind in this section.

F. A. Danker has just completed a new greenhouse, 20x80 feet, for azaleas, hydrangeas and other half hardy plants. A hot water system has been installed to heat the building. The work of stocking the house will be begun in a short time.

Sambrook Bros., who conduct a prosperous retail store on Fulton street, Troy, have just added to their establishment at Watervliet a new carnation house 20x100 feet. The firm has also added a new steam boiler to heat the additional area.

Patrick Hyde is preparing to erect an office and dwelling at his place, No. 488 Hudson avenue, Albany, this fall. He expects the buildings to be ready for occupancy about January 1, 1907.

R. D.

Madison, N. J.

Final arrangements for the coming flower show of the Morris County Gardeners' and Florists' Society took up most of the time of the 26 members present. This show will be on Noveember 1 and 2. Each member took his quota of tickets to sell and a bundle of

posters to put up. They believe they have the goods on hand and are determined to bring the people to see them. Two new members were elected and four proposed. The judges are from Lenox, Mass., this year. E. R.

Oceanic, N. J.

The Monmouth County Horticultural Society held its monthly meeting October 5. Wm. Turner showed some fine seedling greenhouse melons. They averaged 7¾ pounds and scored 98 points. We never tested a finer flavored or saw a better shaped melon. Geo. H. Hale showed as fine a collection of dahlias as can be seen. They scored 95 points. Mr. Hale is known as a dahlia expert. He has several good seedlings of his own which will be on the market next year. Final arrangements were made for the chrysanthemum show, etc., and final premium lists were distributed.

B.

Orange, N. J.

The regular monthly meeting and floral display of the New Jersey Floricultural Society took place on October 5, with dahlias as the principal attraction. Prizes had been offered, open to all competitors, for the best 24 in six varieties, the best 12 in three varieties and the best vase of 25 in variety, and flowers were sent in from a wide territory. While the season has not been as favorable, the growth of the dahlia in public favor has increased as was in evidence in exhibits and from the number of visitors, principally ladies, during the evening. The varieties in favor were the cactus and new single variety strains.

Walter M. Gray, of Maplewood, was the winner of the first prize for the best 12. William Runkle, D. Kindsgral, gardener, first for the best 24; A. B. Jenkins, George von Qualin, gardener, second for the best 24. A. C. Van Gaasbeck, William Bernett, Gardener, for the best vase of 25 and Walker Gray second. For exhibition, among the most notable were 25 vases from J. C. Williams, of Montclair, containing all the new varieties and Herbert Bradley, Robt. Cruthers, gardener, 32 varieties all bearing marks of superior cultivation; vases from A. C. Gillespie, Geo. Oakley, gardener; Mrs. Stewart H. Hartshorne, A. T. Caparn, gardener; Sidney & Austin Colgate, Wm. Read, gardener; Col. H. A. Potter, William Phillips, gardener, and Chas. Harkaway, Max Schnyder, gardener, the above receiving the society's certificate; and a magnificent vase of Grand Duke Alexis and Cuban Giant with long stems, entered not for competition by Peter Duff, gardener to John Crosby Brown.

Fruits were entered by J. C. Williams, vegetables by Stewart Hartshorne and Mrs. Wm. Pierson, orchids from Lager & Hurrell, Joseph A. Manda and Wm. Barr, and decorative plants from John Crosby Brown, Wm. Barr and Wm. Runkle, these, with others, filling all the available space of the society's rooms and auguring well for the forthcoming fall show in the hall of the Woman's Club of the Oranges to be held November 5 and 6. Two new members were elected and various provisions made for the fall show. J. B. D.

Montreal.

A. C. Wilshire takes great pride showing his new refrigerator of immense size, standing near the entrance of the store. Its large plate glass doors offer customers a good view of its contents. Mr. Wilshire is satisfied that it is a better way of showing cut flowers than on the counter, which custom, by the way, is on the decrease and soon will be done away with entirely.

At Hall & Robinson's, a gallery has been erected which is neatly decorated with climbing plants, ferns and foliage plants and gives one a splendid view of the general display of the whole store.

T. Martell, landscape contractor, has the work of laying 6,800 square yards of sod this fall for the Mount Royal tennis club, Westmount.

Newport, R. I.

TRADE BRISK.

Trade is increasing day by day. Stock is getting better in quality although carnations are still short in stem. Roses of all kinds are plentiful. American Beauty sells readily. Single violets are good and plentiful, the double are small and scarce. The demand is not yet brisk. Dahlias are now better than they have been all summer. Chrysanthemums are just coming in.

Philip Caswell, who for many years supplied the retailers with roses, carnations and chrysanthemums, has sold all the greenhouses, boilers, etc., at auction.

The Newport Horticultural Society's meetings are now held every second and fourth Tuesday of each month.

Topeka, Kans.

The floral department of C. E. Hubbard's seed house is coming to the front, and the man in charge, J. Ralph Sonder, expects to show some chrysanthemums equal to any of the eastern markets. His house of carnations is looking fine, and some good Enchantress is being cut.

Hiram Hulse is picking and marketing his crop of apples from his farm in western Kansas. His roses and carnations are looking fine. Prospects are good for an early crop of carnations.

Mrs. Lord's new flower room is quite attractive; she receives her many friends, acquaintances and customers with a smile, consequently gets her share of the business.

James Hayes has his range of houses planted to roses, carnations and chrysanthemums. He has his downtown store filled with seasonable plants and cut flowers.

Mrs. M. E. Hollcraft has a new gold sign on her window. She succeeds in keeping her supply of stock equal to the demand of her well established trade.

J. E. Rodman has his new range of houses completed, and moved his store to his old location on West Eighth avenue.

HOUSTON, TEX.—The thirteenth annual chrysanthemum show will be held November 13-15, at Turner hall, under the auspices of the Faith Home Association. The rules which will govern the exhibit and the premium list have just been issued.

OBITUARY.

Paul Goebel.

Paul Goebel, the veteran florist of Grand Rapids, Mich., died at his home on Hall street October 5 after an illness extending over two years. He leaves a wife and four sons—Eugene, Max, and Charles, of Grand Rapids, and Frank, of Wabash, Ind.

Mr. Goebel was born in Lohrensdorf, Germany, on May 15, 1833. While learning the trade most of his time was working for a nobleman and later was a landscape gardener at Berlin. He was gardener for many years to the King of Prussia. In 1883 he came to America first going to Chicago. After a short time he moved to Grand Rapids buying the establishment of Mr. Sutter on East Fulton street, afterwards moving to Hall street where he has been for 20 years. Mr. Goebel was one of the old-school florists, perfect in growing everything and thoroughly versed in all matters pertaining to plants.

N. B.

Rudolph Ulrich.

Rudolph Ulrich, 65 years old, a well known landscape gardener, died at Santiago, Cal., October 15. The cause of his demise is not known. Mr. Ulrich figured prominently in the trade for many years and his loss will be keenly regretted by his many friends and business associates. He was superintendent of Prospect park, Brooklyn, N. Y., under Mayor Schieren, and was engaged in laying out the Chateau Kearney park at Fresno, Cal., at the time of his death. Mr. Ulrich had been superintendent of grounds at the Chicago, Buffalo and Omaha expositions. He was born in Weimar, Germany, in 1841, but had made his home in Brooklyn, N. Y., for many years where he is survived by a widow, two daughters and two sons.

William Sprague.

Wm. Sprague, of the Sprague, Smith Glass Co., of Chicago, well known to the greenhouse trade in this and other cities, died at his home, October 10, aged 70 years. He had been ill for about two years, when angina pectoris, a hardening of the arteries about the heart, caused his death last week. Mr. Sprague came to Chicago in 1857 where he was engaged in the glass business up to the time of his demise. He was a familiar figure in business and society circles, having been a member of the Union League club, Apollo Musical club, Chicago Thomas Orchestra association and was prominent in Presbyterian church work.

Patrick Knight.

Patrick Knight, of Geneva, N. Y., died at the family home October 9. The cause of death was general debility. Mr. Knight was born in Ireland and came to this country about 40 years ago and located in Geneva. He followed the nursery business for a number of years, but retired several years ago. He is survived by nine children, four daughters, Mrs. Frank E. Beamish, Bridget, Anna and Julia Knight and five sons, Patrick, Edward, James, John and Martin Knight, all of Geneva.

LEGAL POINTS.

Water Leaking Through the Floor.

No evidence of negligence could be found in the case of Conrad Fechter against Simon Phillips, which was tried in the district court at Paterson, N. J. Consequently, Judge Lewis granted a non-suit after the defence had presented its testimony.

Fechter maintains a store at 428 Main street, and Phillips lives above it. Some time ago a vessel, containing dirty water, was upset in Phillips' apartment and the water trickled through the ceiling to the store. It was distributed over natural and artificial flowers and also over a pair of pants, a straw hat and other wearing apparel. Damage to the amount of about $30 was caused and suit was started in district court for the recovery of that amount.

Lawyer David Bilder asked for a non-suit, which was opposed by Lawyer Geyer on the opposite side. Judge Lewis in giving decision said that if a person carrying a pail of water in rooms on the second floor of a building, were seized with a paralytic stroke, so that the water pail would drop to the floor and the water run through the cracks of the floor below, there would be no cause for sign of negligence in that.

As the plaintiff failed to show how the water in this case was upset he had the right to presume it was an accident. No negligence was proved, so there was nothing left to do but to grant the non-suit.

QUERIES.

To Remove White Wash Shading.

ED. AMERICAN FLORIST:—

Several of my rose houses are too heavily shaded with white wash which the rains we are having does not remove. What is the best way to remove this shading?

T. G. O.

In case the rains do not remove the shading, it will be well to wet the roof thoroughly and then use a brush. By placing it on the end of a long handle it will generally be possible to remove enough of the white wash to answer until the fall rains and frost come to complete the work.

L. R. T.

Slope of Hot Water Heating Pipes.

ED. AMERICAN FLORIST:—

In a greenhouse heated by hot water should the boiler be placed low and the pipes gradually rise to the far end of the house and then downward toward the boiler, or should the highest point be over the boiler with a downward slope to the pipes all the way around?

A. M.

To get the best circulation the water should be kept as hot as possible until it has passed the highest part of the system, and begins to descend on its way to the boiler. On this account it is well to use moderately large main flow pipes and to have the highest point as near the boiler as possible. This would mean running all of the pipes downhill. The higher the pipes are placed above the boiler the better the circulation, but although there are limits to this it is always a good plan to carry the pipes as high as possible and to keep the boiler well down below the returns.

However, fairly good results can be obtained when the flow pipes run uphill to the farther end of the house, and if that system seems better adapted to the conditions it may be used.

L. R. T.

Extending Chimney.

ED. AMERICAN FLORIST:—

I have two flues, one 9x13 and one 13x13 in one brick stack, the flues being independent from boiler to top of stack. I am thinking of extending the height by means of an iron stack and wish to know what diameter of stack would give best results.

C.

The data furnished is not sufficient to give any very definite advice. Although the increased height secured by the use of the iron stack will improve the draft in case the two flues have in the past been insufficient to provide the necessary draft, it will be well to use a stack nearly equal to the combined areas of the flues. It is probable that a 15-inch stack is as small as should be used, while a 16-inch is more likely to be satisfactory.

L. R. T.

Paint for Greenhouse Pipes.

ED. AMERICAN FLORIST:—

What is the best paint for preserving pipes in a greenhouse, and that will not injure the plants? W. E. S.

Whether the paint will injure the plants grown in the house depends upon what is is composed of. If the pipes are painted with coal tar, or with a paint of which coal tar forms an ingredient, it will never be possible to grow plants successfully in the house, so long as the tar remains on the pipes.

Black asphalt paint is much used for the painting of piping. Although not advisable for the painting of greenhouse coils it seldom causes much trouble, if a good quality of paint is used. As a rule, if the fires are started while the weather is mild so that the ventilators can be opened to allow any injurious gases to escape it will do no harm.

As a dull, rough surface gives the most efficient radiation, an excellent paint for greenhouse coils can be made by mixing lampblack and linseed oil so as to make a fairly thick paint.

L. R. T.

NEWS NOTES.

BANGOR, ME.—C. P. Lodes has his new greenhouse nearly completed.

SARATOGA, SPRINGS, N. Y.—T. J. Totten is erecting a new greenhouse 30x100 feet.

LISBON FALLS, ME.—H. W. Blenthen will shortly build a 150-foot addition to his greenhouse.

HARTFORD, CONN.—W. S. Andrews has been making extensive improvements in his greenhouses.

SOUTH NORWALK, CONN.—Robt. E. Morrison has completed a new greenhouse at the rear of his home.

NEW YORK.—A greenhouse, 109 feet square, will be built on Geo. W. Perkins' place on Independence avenue and Two Hundred and Forty-eighth street, at a cost of $20,000.

ALTON, ILL.—Mrs. Albert Dietschy has transferred her cut flower business to her assistant, Miss Louise Van Buren, who will move to new quarters on E. Second street.

LOS ANGELES, CAL.—Geo. Watson, foreman at J. W. Wolfskill's establishment, is on his way from Europe and expects to call upon his Chicago friends about October 20.

WASHINGTON, D. C.—Geo. C. Shaffer's store was entered through the cellar recently. The safe was opened and all the loose bills and change taken. The cash register was also rifled.

IONIA, MICH.—Delbert L. Vincent has changed his location from Jackson street to E. Main street, and now has four houses 28x100 feet, with even span Garland gutters and iron posts in which carnations and all kinds of bedding stock are being grown.

NORTHAMPTON, MASS. — The prize awards in the eighth annual Carnegie flower garden competition, were made September 30 in the Carnegie house of the Home Culture group, by Geo. W. Cable. There were 548 contestants this season against 366 last.

LEXINGTON, KY.—Floral hall was thrown open to the public September 18. The first floor, in charge of D. B. Honaker, was devoted entirely to exhibitions of plants and cut flowers. An orchestra, hidden behind a bank of ferns, furnished the music.

ROCHELLE, ILL.—Augustus Caspers reports one of the best summer seasons for trade in his 28 years of business experience. Sales on plants and cut flowers have been excellent, and funeral work has been especially heavy. Carnations at this plant are looking fine.

LYNN, MASS. — The thirty-first fall exhibit of the Houghton Horticultural Society came to a successful conclusion September 27, with a banquet 275 persons being present. Many interesting speeches were made, Mayor Chas. N. Barney and John W. Duncan, assistant superintendent of the Boston parks, being among the speakers.

EXHIBITIONS.

Illinois State Fair.

The following is the full official report of the floricultural features of the Illinois state fair, recently held at Springfield. This was, perhaps, the most successful exhibition from a floricultural standpoint that has yet been held under these auspices, and thanks to the efforts of the State Florists' Association, it has assumed the important position to which it is entitled.

Collection of stove and greenhouse plants effectively arranged, Geo. Van Horn, first; David Wirth, second; Albert T. Hey, third.

Twelve palms grouped for effect, David Wirth, first; Geo. Van Horn, second.

Six palms, three varieties, two of each, David Wirth, first; Geo. Van Horn, second.

Two palms, Geo. Van Horn, first; David Wirth, second.

One palm, Geo. Van Horn, first; David Wirth, second.

Twenty-five ferns, distinct, 1 of each, Vaughan's Seed Store, Chicago, first; Albert T. Hey, second.

Twelve ferns, distinct, 1 of each, Albert T. Hey, first; Vaughan's Seed Store, second.

Six ferns, distinct, 1 of each, Geo. A. Kuhl, Pekin, Ill., first; Albert T. Hey, second.

Four adiantums, distinct, 1 of each, Albert T. Hey, first.

One araucaria, large specimen, any variety, Vaughan's Seed Store, first; Albert T. Hey, second.

One specimen fern, any variety not less than 10-inch pot. Vaughan's Seed Store, first; Geo. A. Kuhl, second.

Collection of geraniums, not less 25 plants, David Wirth, first; Albert T. Hey, second.

Collection of begonias, including ornamental foliage and flowering kinds, David Wirth, first; Albert T. Hey, second.

Collection of succulents, including cacti, agaves, aloes, escheverias, etc., H. T. Jaussen, Springfield, first; Albert T. Hey, second.

Collection of bulbs, correctly named, Vaughan's Seed Store, first; A. C. Brown, second.

Collection of Baby Rambler roses, not less than 15 plants, Vaughan's Seed Store, first; Albert T. Hey, second.

American Beauty roses, 25, Poehlman Bros. Co., Morton Grove, Ill., first; A. C. Brown, Springfield, second.

Golden Gate roses, 25, Poehlman Bros. Co., first; H. W. Buckbee, Rockford, Ill., second.

Liberty or Richmond roses, 25, Poehlman Bros. Co., first; H. W. Buckbee, Rockford, Ill., second.

Bride roses, 25, Poehlman Bros. Co., first; A. C. Brown, second.

Bridesmaid roses, 25, Poehlman Bros. Co., first; A. C. Brown, second.

Killarney roses, 25, Poehlman Bros. Co., first; A. C. Brown, second.

Mme. Chatenay roses, 25, H. W. Buckbee, first; Poehlman Bros. Co., second.

Sunrise roses, 25, Poehlman Bros. Co., first; A. C. Brown, second.

Collection of roses, six varieties, 12 flowers each, Poehlman Bros. Co., first; A. C. Brown, second.

Uncle John roses, Poehlman Bros. Co., first.

Any other variety rose, Poehlman Bros. Co., first.

Harlowarden carnations, 50, John Bauscher, Jr., Freeport, Ill., first.

Mrs. Thos. Lawson carnations, 50, Poehlman Bros. Co., first; John Bauscher, Jr., second.

Cardinal carnations, 50, Poehlman Bros. Co., first; H. W. Buckbee, second.

Boston Market carnations, 50, J. D. Thompson Carnation Co., Joliet, Ill., first; John Bauscher, Jr., second.

Gov. Wolcott carnations, 50, Poehlman Bros. Co., first.

Enchantress carnations, 50, Poehlman Bros. Co., first; J. D. Thompson Carnation Co., second.

Fiancee carnations, 50, Poehlman Bros. Co., first; A. C. Brown, second.

Mrs. Patten carnations, 50, Poehlman Bros. Co., first; J. D. Thompson Carnation Co., third.

White Lawson carnations, 50, Poehlman Bros. Co., first; A. C. Brown, second.

Any other variety carnation, 50, J. D. Thompson Carnation Co., first; Poehlman Bros. Co., second.

New variety carnation introduction of 1905, 12 flowers, J. D. Thompson Carnation Co., first; A. C. Brown, second.

Collection of miscellaneous cut flowers, 6 varieties, 6 flowers each, Albert T. Hey, first; A. C. Brown, second.

Collection of dahlias, double named, Vaughan's Seed Store, first; Albert T. Hey, second.

Collection of asters, Albert T. Hey, first.

Collection of gladioli, Albert T. Hey, first.

Collection of geraniums, Albert T. Hey, first.

Collection of petunias, double, Albert T. Hey, first.

Collection of verbenas, Albert T. Hey, first.

Collection of tuberoses, Albert T. Hey, first.

Collection of cosmos, Albert T. Hey, first.

Collection of antirrhinum, Albert T. Hey, first; A. C. Brown, second.

Collection of scabiosa, Albert T. Hey, first; A. C. Brown, second.

Collection zinnia, A. C. Brown, first; Albert T. Hey, second.

Collection of Phlox Drummondi, Albert T. Hey, first; A. C. Brown, second.

Collection of phlox, hardy, Albert T. Hey, first.

Basket of cut flowers, Albert T. Hey, first; A. C. Brown, second.

Basket of roses, David Wirth, first; A. C. Brown, second.

Bouquet of roses, A. C. Brown, first.

Bouquet of various flowers, A. C. Brown, first.

Dinner table arrangement, Albert T. Hey, first; Geo. A. Kuhl, second.

Flat bouquet of roses, Geo. A. Kuhl, first; A. C. Brown, second.

Flat bouquet carnations, A. C. Brown, first; Geo. A. Kuhl, second.

Bridal bouquet, Albert T. Hey, first; A. C. Brown, second.

Ivy panel decorated, 30 inches, Geo. A. Kuhl, first; A. C. Brown, second.

Standing cross not over 4 ft., John Bauscher, Jr., first; Albert T. Hey, second.

Corsage bouquet and usual accessories, Albert T. Hey, first; A. C. Brown, second.

Collections of carnations, Mrs. E. H. Turner, Springfield, first.

Collection of tuberoses, Leonard Trainer, Springfield, first.

Collection of gladioli, Leonard Trainer, Springfield, first.

Collection of gaillardias, Mrs. Geo. Kinehan, Springfield, first.

Collection of asters, Mrs. J. S. Kirk, Springfield, first; Mrs. E. R. Jeffery, Springfield, second.

Collection of dahlias, double, Mrs. E. H. Turner, first; Mrs. J. S. Kirk, second.

Collection of dahlias, single, Mrs. E. H. Turner, Springfield, first.

Collection of petunias, double, Mrs. E. Harris, Springfield, first.

Collection of petunias, single, Mrs. E. Harris, first; H. T. Jaussen, second.

Collection of nasturtiums, Georgia E. Gould, Springfield, first; Elsie Staley, Springfield, second.

Collection of dianthus other than carnations, Mrs. Geo. Kinehan, first; Mrs. E. R. Jeffery, second.

Collection of balsams, Mrs. L. M. Moorhead, Springfield, first; Mrs. Geo. Kinehan, second.

Collection of everlastings, Leonard Trainer, first; Mrs. J. S. Kirk, second.

Collection of pansies, Mrs. Geo. Kinehan, first; Mrs. J. S. Stewart, Springfield, second.

Collection of phlox, annual, Mrs Geo. Kinehan, first; Leonard Trainer, second.

Colection of roses, Mrs. E. H. Turner, first.

Collection of zinnias, Mrs. J. S. Kirk, first; Mrs. Geo. Kinehan, second.

Collection of miscellaneous cut flowers, Mrs. E. H. Turner, first.

Collection of correctly named wild flowers, Mrs. J. C. Stewart, first; Leonard Trainer, second.

Colection of correctly named wild grasses, Leonard Trainer, first; Mrs. J. C. Stewart, second.

Collection of correctly named ornamental grasses, Leonard Trainer, first; Mrs. J. C. Stewart, second.

Design for funeral, Mrs. E. B. Brittin, Cantrall, Ill., first; Mrs. E. B. Brittin, Cantrall, Ill., second.

Design for festival, eLonard Trainer, first; Georgia E. Gould, second.

Hand bouquet roses, Mrs. E. H. Turner, first.

Hand bouquet flowers, Mrs. E. H. Turner, first ;Mrs. J. S. Kirk, second.

Vase of various flowers, Mrs. E. H. Turner, first; Mrs. J. S. Kirk, second.

Awards at Missouri State Fair.

The awards in the department of floriculture at the Missouri state fair, October 2, were as follows:

Best collection palms, six varieties, 12 plants: Gelven & Son, first; Chas. A. Pheiffer, second.

Best collection ferns, 15 varieties, 25 plants: Gelven & Son, first; Chas. A. Pheiffer, second.

Best collection orchids, 12 plants: Gelven & Son, first.

Best 12 geraniums in bloom: Chas. A. Pheiffer, first; Gelven & Son, second.

Best 12 carnations in bloom, Gelven & Son, first.

Best 12 plants, five varieties, Rex begonia: Gelven & Son, first; Chas. A. Pheiffer, second.

Best and rarest cacti, 12 varieties, 12 plants: Gelven & Son, first; Chas. A. Pheiffer, second.

Best collection suceulent plants, other than cacti, 15 varieties, 15 plants: Gelven & Son, first.

Fancy leaved caladiums, 10 varieties, 12 plants: Gelven & Son, first; Chas. A. Pheiffer, second.

Best six varieties coleus, 12 plants: Gelven & Son, first; Chas. A. Pheiffer, second.

Best 10 varieties blooming begonias, 15 plants: Gelven & Son, first; Chas. A. Pheiffer, second.

Best five varieties Dracænas, 10 plants: Gelven & Son, first.

Best three varieties ficus, 10 plants: Gelven & Son, first.

Best 12 tropical plants, other than those named in the other collections: Gelven & Son, first.

Best six pandanus, three varieties: Gelven & Son, first.

PLANT SWEEPSTAKES.

Best and largest display of above collection of plants: Gelven & Son, first; Chas. A. Pheiffer, second.

CUT FLOWERS FOR FLORISTS.

Best and most artistic floral design, not over 30 inches in height: Gelven & Son, first.

Best and most artistic floral design, flat not over 18 inches in diameter: Gelven & Son, first.

Best vase Bride roses, 25 to a vase: Gelven & Son, first.

Best vase Bridesmaid roses, 25 to a vase: Gelven & Son, first.

Best vase New Richmond roses, 12 to vase: Gelven & Son, first.

Best vase, 25 pink carnations: Gelven & Son, first.

Best vase, 25 white carnations: Gelven & Son, first.

Best vase, 25 red carnations: Gelven & Son, first.

OUR PASTIMES.

Denver Florists' Bowling League.

At a meeting of the Denver Florists' bowling league, held on the evening of October 5, a committee was appointed consisting of R. S. Mahan, N. A. Benson and J. A. Valentine, and instructed to secure enough more members to make a total of 16, and then to arrange four teams. The committee was also instructed to prepare a schedule. The membership has been completed, and the teams arranged as follows:

Columbines: J. A. Valentine, E. S. Kennedy, G. H. Cooper, C. Espelin.

Violets: C. Mauff, C. Benson, A. M. Lewis, W D. Smith.

Beauties: R. S. Mahan, E. Glauber, F. Fraser, Will Wilmore.

Carnations: N. A. Benson, A. H. Bush, H. Wislander, E. J. Reynolds.

Games will be rolled on alleys 8 to 11, inclusive, on the ground floor at the Brunswick, play beginning at 8:15 each Monday night, beginning with Monday, from October 15 to April 15, excepting the nights of December 24 and 31. Each team should come prepared to select a captain promptly before beginning of play. The entrance fee was fixed by the vote of the meeting on October 5 at $7.50, and it was voted that the full amount should be paid on the opening night. Come early if possible, so as to get your receipt from the secretary, and not delay the beginning of the games.

At St. Louis.

The bowling match between the retailers and the wholesalers resulted as follows:

WHOLESALERS.

Player.	1st.	2d.	3d.	Total.
Kuehne	165	150	167	482
G. Schneider	126	179	154	459
Bruenig	135	101	128	364
Gulach	138	161	...	299
Smith	122	106	125	353
	686	697	674	2057

RETAILERS.

Player.	1st.	2d.	3d.	Total.
Beneke	118	172	171	461
H. Young	119	109	157	385
Arata	117	130	127	374
H. Lohrenz	122	141	175	408
	476	522	630	1628

W. F.

THE AMERICAN FLORIST

TWENTY-SECOND YEAR.

Subscription, $1.00 a year. To Europe, $2.00
Subscriptions accepted only from those in the trade.

Advertisements, on all except cover pages, 10 Cents a Line Agate; $1 00 per inch. Cash with Order.

No Special Position Guaranteed.

Discounts are allowed **only on consecutive insertions,** as follows—6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent.

Space on front pages and back cover page sold only on yearly contract at $1.00 per inch, net.

The AMERICAN FLORIST Advertising Department is for florists, seedsmen and nurserymen and dealers in wares pertaining to those lines only.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Monday to secure insertion in the issue of the same week. Address

AMERICAN FLORIST CO., Chicago.

When sending us change of address always send the old address at the same time.
We do not assume any responsibility for the opinions of correspondents.

THIS ISSUE 56 PAGES WITH COVER.

CONTENTS.

Florists' forcing bulbs and roots...575
—VI Narcissi.....575
—VII Roman hyacinths.....575
The violet.....576
—The violet industry at Rhinebeck 576
—Diseased California violets.....576
Chrysanthemum October Frost (illus.).....577
Chrysanthemums for exhibitions...577
Propagating salvia and other plants.578
Some novelties of 1907 (illus.).....579
Storing canna roots.....579
To be done now.....580
Cutting the coal bill in two.....580
The retail trade.....581
Washington 582
Baltimore 582
St. Louis 583
Cincinnati 583
Cleveland 583
Detroit 584
Kansas City 584
San Francisco 585
Denver 585
Louisville 585
Indianapolis 586
Obituary—Paul Goebel.....587
—Rudolph Ulrich 587
—Wm. Sprague 587
—Patrick Knight 587
Legal points 588
—Water leaking through the floor..588
Queries 588
—To remove whitewash shading....588
—Slope of hot water heating pipes.588
—Extending chimney.....588
—Paint for greenhouse pipes.....588
Exhibitions—Illinois state fair.....588
Our Pastimes.....589
Telegraph code for flowers.....590
Chrysanthemum Society of America.590
Chicago 594
Philadelphia 596
New York.....598
The seed trade.....602
—Cover of advertising booklet (illus.).....602
—Burrell claims the melons are different 602
—The question of discounts.....602
—The seed crops.....603
—Solanum Commersoni (illus.).....694
—Grass and clover seed in Europe..604
The nursery trade.....606
Toronto 606

THE article on "Raising New Roses," which appeared in our last issue, was by G. L. Paul, of England, and was reproduced from the Gardeners' Magazine, to which journal it should have been credited.

THOSE employers who put would-be employes to the trouble of long and expensive journeys with rosy promises that do not materialize are a miserable lot of frauds and some day, soon perhaps, the law will be made to fit their cases. The sooner the better.

THE Society of Southern Florists and Ornamental Horticulturists, with a view of advertising the approaching convention of that organization, proposes to issue monthly and distribute gratuitously 1,000 copies of a trade publication to be called the Southern Florist.

ON the night of October 10 in the central west and presumably many other points, occurred the most severe freeze known to the oldest inhabitant. Nearly all perishable outdoor plants were frozen to the ground. This included cannas, geraniums, dahlias and like stock. Quite a few perishable plants were injured in transit. From newspaper reports the damage to celery and potatoes has been very great.

THE National Council of Horticulture is sending out three seasonable articles to the general press as follows: "Lilies for Fall Planting," "Hardy Dutch Bulbs," and "Poenies." Florists generally should urge their local papers to make application for these excellent articles to Prof. H. C. Irish, Missouri Botanical Garden, St. Louis, Mo. This service is absolutely gratuitous and it promotes business.

Society of American Florists.

DEPARTMENT OF PLANT REGISTRATION.

The Conard & Jones Co., West Grove, Pa., submit for registration the following:

Rosa rugosa magnifica, (Rugosa x Victor Hugo). Habit, vigorous flowers five inches in diameter, double; color, bright crimson; foliage resembles rugosa.

Canna Meteor. Foliage green; flowers, large, deep crimson, in enormous trusses; height, five feet.

Canna New York. Seedling No. 1549; flower, true orchid form, unusually thick petals; foliage, veined and splashed with bronze; height, six to seven feet.

WM. J. STEWART, Sec'y.

Telegraph Code for Flowers.

Many dollars could be saved the florists if some additional code words were added to the telegraph code. For instance, if 20 American Beauty, 20 to 24-inch stems are wanted, one code word could stand for the last six words and save 10 cents or more by using the code word. We offer the following as an addition to the telegraph code for ordering cut flowers, just as a starter:

FOR AMERICAN BEAUTY ROSES.

For 15 to 18-inch stems, "shorts."
For 18 to 20-inch stems, "bums."
For 20 to 24-inch stems, "butts."
For 24 to 30-inch stems, "dandies."
For 30 to 36-inch stems, "excels."
Extra long stems, "goppers."

FOR VIOLETS.

When single violets are wanted, code word, "singles."
When double violets are wanted, code word, "doubles."

CARNATIONS.

When red carnations are wanted, "cardinals."
When light pink carnations are wanted, "pinks."
When dark pink carnations are wanted, "blushes."
When white carnations are wanted, "whites."

Many other additions could be made to advantage with a saving of time and money. H. G. WALKER.

Chrysanthemum Society of America.

EXAMINING COMMITTEES.

President Duckham has announced the committees to examine seedlings and sports on dates as follows: October 6, 13, 20, 27 and November 3, 10, 17 and 24, 1906. Exhibits to receive attention from the committees must in all cases be prepaid to destination and the entry fee of $2 should be forwarded to the secretary not later than Tuesday of the week preceding examination, or may accompany the blooms. Special attention is called to the rule requiring that sports to receive a certificate must pass three committees.

New York, Eugene Dailledouze, chairman, 55 and 57 West Twenty-sixth street, New York, Thos. W. Head and Wm. Turner.

Philadelphia, Pa., A. B. Cartledge, chairman, 1514 Chestnut street, John Westcott and Wm. K. Harris.

Boston, Mass., E. A. Wood, chairman, Wm. Nicholson and James Wheeler. Ship flowers to Boston Flower Market, care of John Walsh.

Cincinnati, O., R. Witterstaetter, chairman, James Allen and Wm. Jackson. Ship flowers to Jabez Elliott Flower Market, care of janitor.

Chicago, J. S. Wilson, chairman, J. B. Deamud and Geo. Wienhoeber. Ship flowers care of J. B. Deamud, 51 Wabash avenue.

OFFICIAL JUDGING SCALES.

The official scales of the society are as follows:

FOR COMMERCIAL PURPOSES.

Color	20
Form	15
Fullness	10
Stem	15
Foliage	15
Substance	15
Size	10
Total	100

FOR EXHIBITION PURPOSES.

Color	10
Stem	5
Foliage	5
Fullness	15
Form	15
Depth	15
Size	35
Total	100

DAVID FRASER, Sec'y.

Coming Exhibitions.

(Secretaries are requested to supply any omissions from this list.)

BOSTON, MASS., November 2-4, 1906.—Chrysanthemum exhibition Massachusetts Horticultural Society. Address Wm. P. Rich, Horticultural hall, 300 Massachusetts avenue, Boston, Mass.

CHICAGO, November 6-12, 1906.—Annual exhibition Horticultural Society of Chicago. Address Willis N. Rudd, Blue Island, Ill.

DENISON, TEX., November 8-10, 1906.—Annual flower show, Denison Civic Improvement League. Address T. W. Larkin, Denison, Tex.

LENOX, MASS., October 24-25, 1906.—Chrysanthemum exhibition, Lenox Horticultural Society. Address Geo. Foulsham, Lenox, Mass.

LOS ANGELES, CAL., October 31.—November 3, 1906.—Autumn exhibition Southern California Horticultural Society. Address Ernest Braunton, 115½ N. Broadway, Los Angeles, Cal.

MADISON, N. J., November 1-2, 1906.—Eleventh annual flower show Morris County Gardeners' and Florists' Society. Address E. Reagan, Box 315, Morristown, N. J.

NEW HAVEN, CONN., November 6-8, 1906.—Annual exhibition New Haven County Horticultural Society. Address Thos. Pettit, 90 Prospect street, New Haven, Conn.

ORANGE, N. J., November 5-6, 1906.—

Twelfth annual flower show New Jersey Floricultural Society. Address Joseph B. Davis, Orange, N. J.

PROVIDENCE, R. I., November 9-10, 1906.—Chrysanthemum and carnation exhibition Rhode Island Horticultural Society. Address C. W. Smith, 27-29 Exchange street, Providence, R. I.

RED BANK, N. J., October 31-November 1, 1906.—Ninth annual exhibition Monmouth County Horticultural Society. Address H. A. Kettel, Red Bank, N. J.

TARRYTOWN, N. Y., October 30-November 1, 1906.—Eighth annual exhibition Tarrytown Horticultural Society. Address E. W. Neubrand, Tarrytown, N. Y.

TORONTO, ONT., November 6-10, 1906.—Annual Ontario Horticultural exhibition. Address H. B. Cowan, Parliament buildings, Toronto, Ont.

WORCESTER, MASS., November 8, 1906.—Chrysanthemum exhibition Worcester County Horticultural Society. Address Adin A. Hixon, Horticultural hall, 18 Front street, Worcester, Mass.

LAKE GENEVA, WIS., November 9-10, 1906.—Chrysanthemum exhibition Lake Geneva Gardeners' and Foremen's Association. Address Alex. Johnson, Lake Geneva, Wis.

Meetings Next Week.

Baltimore, Md.—Gardeners' Club of Baltimore, Royal Arcanum building, 18 W. Saratoga street, October 22, at 8 p. m.

Chicago.—Gardeners' and Florists' Union No. 10615, 10-12 Clark street, October 24, at 8 p. m.

Cleveland, O.—Cleveland Florists' Club, Progress hall, 244 Detroit street, October 22, at 7:30 p. m.

Dayton, O.—Dayton Florists' Club, 112 South Main street, October 22.

Denver, Col.—Denver Floral Club, 323 Charles block, October 26, at 8 p. m.

Grand Rapids, Mich.—Grand Rapids Florists' Club, Board of Trade rooms, Pearl street, October 22.

Hartford, Conn.—Hartford Florists' Club, October 26, at 8 p. m.

New London, Conn.—New London County Horticultural Society, Elks' hall, October 24.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

Cash with Adv.

Plant Advs, NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1906 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—By an all-around, single florist; commercial or private place. Address Key 803, care American Florist.

Situation Wanted—By experienced fireman; young man, 21 years. Address ENDE FAGES, 2234 W. Kinzie St., Chicago.

Situation Wanted—By an up-to-date carnation grower; experienced as foreman and section man; references from the best growers in the country. Key 809, care American Florist.

Situation Wanted—As foreman. Experienced grower of fine roses, carnations, 'mums and general stock; artistic decorator and designer; good wages. Address W. H FOREMAN, 47 Broadway, Detroit, Mich.

Situation Wanted—Experienced man in general indoor and outdoor work is open to engagement in public or private garden; best of references. Address Key 810, care American Florist.

Situation Wanted—By steady, first-class grower and propagator of roses, 'mums and general stock; good references; 14 years' experience. State wages. Address Key 802, care American Florist.

Situation Wanted—By a grower and propagator of pot plants; 12 years' experience, European and American; good references; capable of taking charge. Address T. K., 222 East Liberty St., Cincinnati, O.

Situation Wanted—By a practical florist, 21 years' experience in every line of the florist business; cut flowers, tropical plants and orchids a specialty; foreman's job in commercial or private place preferred. Good wages wanted Address Key 806, care American Florist.

Situation Wanted—By A1 grower of roses and general stock; capable of managing large plant. H. BORNHOFT, West Seattle, Wash.

Situation Wanted—First-class decorator and design maker; capable of taking charge; 12 years' experience; references of quality furnished. Make proposition in answer. EMIL ATLEE, 3333 32nd Ave. So., Minneapolis, Minn.

Situation Wanted—As grower and propagator of general greenhouse, stock 'mums and carnations a specialty; age 34; life experience. Apply stating wages with or without board. E. REED, No. Saginaw St., Pontiac, Mich.

Situation Wanted—By young man, 26 years of age, married; 12 years' experience in roses, carnations, fruits, and all bedding plants and vegetables; best of references. Address EXPERIENCE, care American Florist, 1133 Broadway, New York.

Situation Wanted—Artistic florist and decorator, experienced in high class arrangements, well up in all branches of the business, German, French and English style, seeks position with good floral business; highest references. Key 807, care American Florist

Help Wanted—General greenhouse man. Address RATON GREENHOUSE, Raton, N. M.

Help Wanted—Young man from 16 to 20 years of age, to learn the florist business. Apply to JOHN L. WYLAND, De Haven, Pa.

Help Wanted—One rose grower, one helper, and one for propagating and potting. Address J. F. WILCOX, Council Bluffs, Ia.

Help Wanted—Two first-class florists and salesmen. Must be good in making floral designs. J. SEULBERGER, 414 14th St., Oakland, Cal.

Help Wanted—Young man to work in flower store and take care of small decorations. Address THE JAMES EADIE CO., 927 Euclid Ave., Cleveland, O.

Help Wanted—A rose grower to take charge of a section; must be sober and reliable; state references and wages. Address C. C. POLLWORTH CO., Milwaukee, Wis.

Help Wanted—A young man to act as assistant in greenhouse. Farm being 5 miles from Richmond, Va. MINIBORYA FARM H. A. Higgason, Mgr., Richmond, Va.

Help Wanted—Good general greenhouse man for retail place. State experience and give full particulars first letter; $50.00 per month to begin. Address C. H. GREEN, Fremont, Neb.

Help Wanted—Sober, industrious grower, capable of taking charge of 7,000 feet of glass with helper; $35 with room and board, or $50 without. Address Key 811, care American Florist.

Help Wanted—A first-class plant man, one who understands forcing bulbs and store stock State wages and how soon can come. Permanent place to capable man. Address HONAKER, THE FLORIST, Lexington, Ky.

Help Wanted—Single man to take charge of small greenhouse near Chicago. Must understand general stock, consisting of pot and bedding plants, State age and salary. Address Key 804, care American Florist.

Help Wanted—Single man for private place; middle aged; must understand how to grow roses, etc. Will pay from $50.00 to $55.00; good place for the right man; no drinking man need apply. C. UFFLER, Govanstown, Baltimore, Md.

Help Wanted—A man who is able to take care of about 7,000 feet of glass; sober and industrious; wages for the right party from $50.00 to $75.00 per month. Will have a helper. Converse with or write THE ANDERSON FLORAL CO., St. Cloud, Minn.

For Sale—One 25 H. P. locomotive boiler cheap. Address W. C. KONZELMAN, Greensburg, Ind.

For Sale—Nine greenhouses, dwelling house and barn, 3½ acres of ground. For particulars address P. O. Box 109, Newtown, Bucks Co., Pa.

For Sale—A1 down-town retail store for sale; established 10 years; bargain. Enquire VAUGHAN & SPERRY, 60 Wabash Ave., Chicago.

For Sale—Flower store and greenhouse, splendid location and good, established trade. Will sell cheap on account of other business. Address Key 808, care American Florist.

For Sale—A thriving florists' business in Illinois; 20,000 ft. of glass, all planted with roses, carnations, 'mums and general stock in fine condition; modern 10-room dwelling, all built within the last 10 years; last year's sales, $6,000.00. Cause for selling, other business. Address Key 805, care American Florist

For Sale—2,000 feet of good, heavy, 4-inch boiler flues at 8 cents per foot. Address JOSEPH LABO, Joliet, Ill.

For Sale—All the glass 10x12 double strength A, on five houses, each 20 ft. by 115 ft., for $500 as it stands. Will include sash bars and doors. BRANT & NOE FLORAL CO., W. Peterson and N. 48th Aves., Chicago.

For Sale—Worthington duplex steam pump, capacity 30-40 gal. per minute, in good condition, $45.00; No. 1 receiver and fittings for pump, good as new $50.00. Dean pump for hand or steam, almost new, $20.00; 6-inch pressure regulator, used two seasons, $50.00; 2½-inch pressure regulator, $18.00. Carnation supports, $15.00 per 1000; $125.00 for 10,000. JAMES W. DUNFORD, Clayton, Mo.

FOR SALE.

Old established retail florist's store. Reason for selling, going west. For particulars, write to **F. K., 700 N. 5th St., Philadelphia, Pa.**

WANTED.

Young man with experience in first-class flower shops, to work in our flower department. Good opportunity for advancement to right man. Give full particulars in first letter. WILLIAM DONALDSON. Glass Block, Minneapolis, Minn.

FOR SALE.

Des Moines, Iowa, wholesale and retail greenhouse establishment, 29,000 feet of glass, three acres of ground, well located, all in good order, with good wholesale and retail trade. Price, about $8,400; terms reasonable.

VAUGHAN'S SEED STORE
CHICAGO.

BOILERS.

One 80 H. P. return tubular, one 32 H. P. upright tubular, for sale at buyer's price. Must be moved at once. Address

1416 Washington Ave.,
PHILADELPHIA.

GLASS FOR SALE.

We have for sale a quantity of A. and B. double thick, Pennsylvania hand made, tank glass, all of which runs exceptionally uniform in quality and thickness. Terms cash. Inquiries solicited.

King Construction Co.
NORTH TONAWANDA, N. Y.

Seed Business for Sale.

Established Over Twenty Years.

Located in large and prosperous city. Doing a business of about **$100,000.00 per year.** Splendid mail order business. Large counter and market gardener's trade. Best proposition in the United States to anyone desirous of engaging in the seed trade. Present owners wish to go exclusively in the wholesale growing business. This offer is unequaled, as the house is thoroughly equipped in all departments with the best o fixtures, office furniture, cleaners, electrotypes, etc, and can be puachased on favorable terms and at a cost many thousands of dollars less than the actual value. Address

Key 798, care American Florist.

BEAVEN'S
Fadeless Sheet Moss
$3.50 per bag.

Southern Wild Smilax
IN ANY QUANTITY.
E. A. BEAVEN, Evergreen, Ala.

Wholesale Flower Markets

ST. LOUIS, Oct. 17.

Roses, Beauty, long stem	2.50@ 3.00
" " medium stem	1.50@ 2.00
" " short stem	.50@ 1.00
" Bride, Bridesmaid	2.00@ 6.00
" Pres. Carnot	2.00@ 8.00
" Kaiserin	2.00@ 8.00
Carnations, common	1.00@ 1.50
" best	2.00@ 3.00
Smilax	12.50
Asparagus Sprengeri	1.00@ 3.00
" Plumosus, strings	25.00@40.00
Fancy ferns $1.50 per 1000	
Lily of the valley	4.00
Chrysanthemums, doz., $1.50@$3.00	
Violets	.35
Cosmos	.50

PITTSBURG, Oct. 17.

Roses, Beauty, specials	25.00@35.00
" " extras	18.00@20.00
" " No. 1	10.00@12.00
" " ordinary	3.00@ 6.00
" Bride, Bridesmaid	2.00@ 6.00
" Chatenay	4.00@ 6.00
" Richmond	4.00@ 6.00
" Kaiserin	4.00@12.00
" Cusin	4.00@ 6.00
" Perle	4.00@ 6.00
" Bon Silene	2.00@ 3.00
Chrysanthemums	12.50@25.00
Carnations	1.00@ 3.00
Lily of the valley	2.00@ 4.00
Smilax	12.50@15.00
Asparagus, strings	30.00@50.00
" Sprengeri	2.00@ 4.00
Lilies	18.00@20.00
Adiantum	.75@ 1.50

CINCINNATI, Oct. 17.

Roses, Beauty, per doz.	1.00@ 4.00
" Bride, Bridesmaid	3.00@ 6.00
" Liberty	4.00@ 8.00
" Meteor, Golden Gate	3.00@ 6.00
Carnations	1.00@ 3.00
Lily of the valley	3.00@ 4.00
Asparagus	50.00
Smilax	12.50
Adiantum	1.00
Asparagus plumosus and Sprengeri in bunches	per bunch 25c
Ferns	1.50 per 1000
Longiflorum lilies	6.00@15.00
Asters	1.00@ 2.00
Gladiolus	2.00@ 3.00

MILWAUKEE, Oct. 17.

Roses, Beauty	per doz. .75@ 3.00
" Liberty, Chatenay	2.00@ 6.00
" Bride, Bridesmaid	2.00@ 6.00
" Meteor, Golden Gate	3.00@ 6.00
" Perle	2.00@ 4.00
Carnations	1.00@ 3.00
Smilax	@12.00
Asparagus, sprays	3.00
" Sprengeri	3.00
Lily of the valley	4.00
Adiantum	1.00@ 1.50
Lilium rubrum, short	3.00
Chrysanthemums	10.00@15.00

CLEVELAND, Oct. 17.

Roses, Beauty, per doz.	1.50@ 3.00
" Bride, Bridesmaid, Meteor	3.00@ 5.00
" Kaiserin	4.00@ 8.00
Carnations	1.00@ 1.50
Smilax	15.00
Asparagus, strings	25.00@50.00
" Sprengeri	1.00@ 2.00
Common ferns	$1.50 per 1000

DENVER, COL.—The Braidwood Floral Co. has been incorporated for $25,000 by John and C. A. Braidwood and John F. Bottom.

LOS ANGELES, CAL.—We are in receipt of the preliminary premium list of the Southern California Horticultural Society's autumn exhibition, to be held in Blanchard and Symphony halls October 31 to November 3. Copies may be had on application to Secretary Ernest Braunton, 115½ North Broadway, Los Angeles, Cal.

New Crop Dagger and Fancy Ferns
$1.00 per 1000.
FOR EVERY OCCASION.

HARDY CUT DAGGER and **FANCY FERNS**, per 1000..1.00
Discount on large orders.
BRILLIANT BRONZE and **GREEN GALAX**, per 1000.. 1.00
10,000 lots $7.50.
BOUQUET GREEN, per hundred yards..... 7.00
LAUREL FESTOONING, good and full, 5c to 6c per yard
LAUREL WREATHS, per dozen..... 3.00
BRANCH LAUREL, per bunch.....$ .50
BOXWOOD, per pound..... .20
LEUCOTHOE SPRAYS, per hundred..... 1.00
GREEN and **SPHAGNUM MOSS**, per barrel 1.00
LYRATA, which makes a fine substitute for decorations for June.

Also headquarters for all Florists' Supplies, such as **Milkweeds, Wire Designs, Cut Wire,** all kinds of **Letters, Immortelles, Cycas Leaves,** sheaves of **Wheat, Ribbons, Corrugated Boxes** of all kinds, etc.

HENRY M. ROBINSON & CO., L. D. Phone 7618 Main. **8 to 11 Province St., Boston, Mass.**

Extra Fine New Crop **FANCY FERNS** **$1.00 per 1000**
Discount on large orders.
GALAX.....per 1000, $1.25
Send for our weekly price list on Cut Flowers. Let us have your standing order for Ferns; will make price right all through the season.

MICHIGAN CUT FLOWER EXCHANGE
WM. DILGER, Mgr. 38 and 40 Broadway, formerly Miami Ave., DETROIT, MICH.

RICE BROTHERS
WHOLESALE 113 N. 6th St.,
SHIPPERS of home grown Cut Flowers, comprising the newest varieties of blooms. Full line of supplies and decorative greens. Trial order solicited. Weekly price list issued.
MINNEAPOLIS, MINN.
Please mention the American Florist when writing.

H. WOODS, 127 S. Water St. **CHICAGO.**
We wish to buy in car lots Holly, Mistletoe, Southern Smilax, Needle Pine, Magnolia, Sago and other Palm Leaves.
Write us for prices on all lines of Holiday Greens, Holly and other wreaths, Evergreen Wreathing, etc.
Please mention the American Florist when writing.

SOUTHERN WILD
SMILAX.
Caldwell The Woodsman Co.
EVERGREEN, ALABAMA.
Please mention the American Florist when writing.

PANSY PLANTS.
My Giant Pansy Plants. finest in the market in size and color. Taken from the Bugnot, Masterpiece, Perret, Parisian and other varieties. From my own home-grown seeds. Ready now: **$2.50** per 1000; **50c** per 100, postpaid. Send for prices on 5000 lots. Cash with order.
Double Daisies, 25c per 100; by mail, 50c, postpaid.
F. A. BLINN, Cromwell, Conn.
Please mention the American Florist when writing.

WANTED.
Blue Heliotrope Plants
in 3½ or 4 inch pots, for planting in benches. Address to
EMIL G. POPP, 404 Walnut St., St. Paul, Minn.

500,000 VERBENAS
60 Finest Named Varieties.
Rooted Cuttings, 75c pea 100; $6.00 per 1000
Plants, $2.50 per 100; $20.00 per 1000.
Our list is the choice from millions of seedlings. Order early.
J. L. DILLON, Bloomsburg, Pa.

ASPARAGUS
PLUMOSUS NANUS, 2-inch pots, $3.00 per 100; $25.00 per 1000, transplanted from the bench, $2.50 per 100; $20.00 per 1000.
SPRENGERI, 2-inch, $3.00 per 100; $25.00 per 1000, from bench, $2.50 per 100; $20.00 per 1000.
WM. CLARK, Colorado Springs, Col.

WE ARE BOOKING ORDERS FOR
Nephrolepis Amerpohlii
The Sensational New Fern.
Awarded Highest Certificate of Merit at the S. A. F. Convention, 1906.
JANESVILLE FLORAL CO., Janesville, Wis.

Asparagus Crawshawi
A Beautiful Asparagus, superior to all others in many respects.
Seedlings, $3.00 per 100; $25.00 per 1000 Transplanted seedlings, $5.00 per 100; $40.00 per 1000. Sample, 10c.
JAMES CRAWSHAW, 403 Plainfield St., **PROVIDENCE, R. I.**

FERNS, IN FINE SHAPE
PIERSONI....6-in., 35c; 5-in., 25c; 4-in., 15c.
BOSTON.....5-in., 25c; 4-in., 15c.
SCOTTII.....5-in., 30c; 4-in., 20c.
ANNA FOSTER.....2½-in., 4c
All No. 1 stock. CASH PLEASE.
BENJ. CONNELL, Florist, West Grove, Pa

Great Chicago Flower Show

—TO BE HELD IN CONNECTION WITH THE—

Annual Convention and Exhibition

—OF THE—

Chrysanthemum Society of America

At the Coliseum, November 6-12, 1906.

FOR REVISED PREMIUM LIST

Address WILLIS N. RUDD, Secretary,

First National Bank Building, - - CHICAGO.

Peter Reinberg

51 WABASH AVE., CHICAGO.

The Largest Range of Glass in the World is now in full crop and we are ready to take the very best care of all orders intrusted to us

CURRENT PRICE LIST

AMERICAN BEAUTIES—	
Long stem	$3.00 to $4.00 per doz.
30-inch stems	2.50 per doz.
24-inch stems	2.00 per doz
18-inch stems	1.50 per doz.
12-inch stems	1.00 per doz.
Short stems	.75 per doz.
Mrs. Marshall Field	$8.00 to $12.00 per 100
" " short	5.00 to 6.00 per 100
Richmond	3.00 to 6.00 per 100
Liberty	3.00 to 6.00 per 100
Chatenay	3.00 to 6.00 per 100
Bridesmaid	$3.00 to $6.00 per 100
Bride	3.00 to 6.00 per 100
Perle	3.00 to 5.00 per 100
Sunrise	3.00 to 6.00 per 100
Uncle John	3.00 to 6.00 per 100
Golden Gate	3.00 to 6.00 per 100

ROSES, our selection, $3.00 per 100

CARNATIONS	$2.00 per 100
" fancy	3.00 per 100

SEND US YOUR ORDERS—Get the freshest stock at the lowest market rates and the assurance of supplies such as can only come from **1,200,000** feet of modern glass.

The Regan Printing House

LARGE RUNS OF

CATALOGUES —OUR— **SPECIALTY**

WRITE FOR FIGURES.

83-91 Plymouth Place, CHICAGO.

Muskogee Carnation Co.

Get your flowers cut fresh from greenhouse.

AMERICAN BEAUTY, BRIDE, MAID, RICHMOND and CARNATIONS.

All fancy varieties; also surplus stock of **Bride** and **Maid**, 4-inch pots. Fine plants.

MUSKOGEE, IND. TER.

MOBILE.

Chatogue Greenhouses

MOBILE, ALA.

TWO ACRES UNDER GLASS. ONLY HIGH CLASS FLORAL WORK SOLICITED.

Orders to be delivered at short notice in or near Mobile or New Orleans will be executed with fresh stock from our mammoth plant by our own artist at Mobile, or **Mr. U. J. Virgin, New Orleans.** Orders by telegram at our expense. Address

F. P. DAVIS, Mobile, Ala.

Reference, R. G. Dunn & Co.

GET NEW CUSTOMERS

By placing your specialties before the purchasing florists of the entire country by advertising in

Send Copy Now. THE AMERICAN FLORIST.

Chicago.

BUSINESS BRISK.

Business maintained a lively gait throughout the past week. Most lines of stock arrived freely. The demand kept good pace with the supply and prices accordingly remained firm. However, there was a noticeable scarcity in several lines of stock, principally carnations, which caused much disgruntled comment among retailers. The cold weather of some days ago froze outdoor carnation plants and ruined the supply from this source, leaving only the indoor stock to supply the demand. Consequently, carnations brought all sorts of figures, ranging from 2 to 4 cents, and in some cases even reaching the 5 cent mark. In view of such circumstances, it is notable that the shipping trade received a larger percentage of this material than usual, many wholesalers being forced to purchase stock from each other to fill their shipping orders. Roses are in good supply and bring normal prices. American Beauty is not over-plentiful but there is enough on hand to fill orders at satisfactory prices. Liberty, Chatenay, Bride and Bridesmaid are of first class quality and sell well. Chrysanthemums, however, hold the center of the stage just at present, the sale of this stock having been phenomenally large. A greater amount of chrysanthemums have poured into the market this season than for several years past, yet there remain many orders each day that cannot be filled. Reports from various sections of the middle east indicate that the stock is quite late in arriving, which, of course, has had a beneficial effect on this market. As a whole, the material is first class, and brings the best of prices. There is a general feeling of satisfaction at the present state of affairs and all are looking forward to a prosperous season.

CLUB MEETING.

The Florists' Club held its regular monthly meeting October 11, with President Hauswirth in the chair. There was an attendance of about 40 and considerable business was transacted. Officers for the ensuing year were nominated as follows: H. N. Bruns, president; Leonard Kill, vice president; Edgar Saunders, treasurer; L. H. Winterson, recording secretary; Henry Klunder, financial secretary; Flower show matters occupied most attention and a banquet, to be held November 8, was decided upon. This will occur the Thursday of show week and a committee consisting of A. I. Simmons, Henry Klunder, and F. F. Benthey were appointed to make arrangements for this affair. Among other things, the resolutions recently adopted on the death of James Hartshorne were read by Geo. Asmus.

NOTES.

The wholesale market is displaying a number of large attractive posters announcing the dance of the Florists' employes at Columbia hall, N. Clark street and North avenue, October 31. The committee in charge of arrangements has placed a number of tickets in the hands of each wholesale establishment where they can be obtained by all those who desire to attend. If one may judge from the enthusiasm so universally taken in this affair, it will surpass anything of the kind ever given by florists in this city.

Bassett & Washburn are doing an exceptionally large chrysanthemum business this season. Two dozen Mme. C. Touset were sold to O. J. Friedman at $5 per dozen one day last week which is probably the high water mark in the the price of chrysanthemums.

F. N. Smith, of Smith & Fetters, Cleveland, O., spent a few days in the city last week purchasing stock. He says chrysanthemums were very late in reaching the Cleveland wholesale market and retailers are forced to send their orders to this city.

Gus Fredricson, of St. Joseph, Mich., spent a few days in the city last week. The cold weather of a week ago, he says, brought the heaviest frost Michigan has ever known for that time of year, doing much damage to outdoor crops of all kinds.

Frank Hayes, vice-president and treasurer of the H. M. Hooker Co., well known in the trade as dealers in paints and glass, died in Limerick, Me., whither he went three weeks ago to visit friends, accompanied by his wife. Mr. Hayes was 62 years old.

The chrysanthemum season thus far has proven eminently satisfactory to all Chicago wholesalers who are handling this stock. It is said that it has been years since chrysanthemums sold as rapidly and brought such excellent prices as at present.

Peter Reinberg is daily receiving a fine lot of long-stemmed Marshall Field roses. "Once bought, always bought," seems to be the appropriate slogan, as the orders of their customers are growing larger every day.

J. Simpson, 1588 Ogden avenue, is remodeling his entire establishment, putting in a window of electric lights and adding a greenhouse to the rear of the store, in addition to many minor improvements.

S. M. Raisek, 442 W. Twelfth street, is erecting a two-story building, the lower floor of which he will use for a first class retail store. He intends to add a greenhouse when the building is completed.

John Risch and most of those retailers who handle roses in large quantity, say Killarney, when of good quality is more popular than ever.

The E. F. Winterson Co. is handling a very fine crop of W. N. Rudd's pink chrysanthemum, the Rosiere.

The John Zech is a mild beverage popular in the wholesale market district.

On the Chicago Market.

A tall, well dressed young lady entered the store of the E. F. Winterson Co. one day last week, and indicating with a shake of her head a stock of W. N. Rudd's pink chrysanthemums, said: "Give me a dollar's worth of those chrysanthemums, please."

Ed. Winterson eyed her doubtfully while she fidgeted with her pocketbook.

"Are you in the trade, madame?"

"O my, yes," elevating her eyebrows, "I am Mrs. Wm. Pfund of Oak Park."

"O, beg pardon," said Ed. "Just a minute, madame."

Turning around he espied old Nic Armbrust, also of Oak Park. "Here, Nic, this is Mrs. Pfund of Oak Park, isn't it?" with an apologetic nod to the lady.

"O my heavens, no!" gasped poor Nic, "You're not Mrs. Pfund—I cannot tell a lie, lady—I—"

But she had fled.

WIETOR BROS.,

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.

51 Wabash Ave., CHICAGO.

The Geo. Wittbold Co.

1657-1659 Buckingham Place, CHICAGO.

The only retail florist in Chicago who grows his own cut flowers.

FUNERAL WORK ORDERS, OUR SPECIALTY.

Chas. W. McKellar

51 Wabash Ave., CHICAGO.

ORCHIDS

A Specialty,

Fancy Stock in **VIOLETS, VALLEY, ROSES BEAUTIES, CARNATIONS** and a full line of all **Cut-Flowers Greens, Wire-Work** and **FLORISTS' SUPPLIES.**

Send for Complete Catalogue.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO,

Wholesale Dealers and Growers of **Cut Flowers**

GREENHOUSES: HINSDALE, ILL.

20 YEARS' EXPERIENCE

in the Cut Flower business with liberal supplies of **'MUMS, ROSES, CARNATIONS, VIOLETS, GREENS, ETC.,** backed up with **GOOD INTENTIONS** should make worth your while a dependance upon us for at least a part of your needs.

WE PAY EXPRESS CHARGES BOTH WAYS if you don't like stock.

You will find us "on deck" from 7 A. M. to 6 P. M. daily and up to 12 Noon, Sunday. Write, telephone or telegraph.

HEADQUARTERS FOR WILD SMILAX.

E. F. WINTERSON CO., 45-47-49 Wabash Ave., Chicago.

Long Distance Phone 6004 Central.

'MUMS ✻ 'MUMS ✻ 'MUMS. IN ANY QUANTITY IN ALL COLORS...

We have the finest 'Mums in Chicago. Also a choice line of **Roses, Carnations, Valley, Ferns,** etc. None better at any price. Try

"THE OLD RELIABLE" **E. H. HUNT,** WHOLESALE FLORIST, 76 Wabash Ave., Chicago

E. C. AMLING

THE LARGEST, BEST EQUIPPED, MOST CENTRALLY LOCATED WHOLESALE CUT FLOWER HOUSE IN CHICAGO.

32, 34, 36 RANDOLPH ST., CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Please mention the American Florist when writing

WEILAND-AND-RISCH

Wholesale Growers and Shippers of CUT FLOWERS

59 Wabash Ave., CHICAGO

'Phone Central 879.

Write for our wholesale price list.

WHOLESALE FLORISTS

Please mention the American Florist when writing.

Jensen & Dekema

CARNATION SPECIALISTS

674 W. Foster Ave., CHICAGO.

Please mention the American Florist when writing

SINNER BROS.

WHOLESALE CUT FLOWERS

60 Wabash Ave., Chicago.

Careful attention to all

SHIPPING ORDERS.

Please mention the American Florist when writing.

Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO.

Telephone, Central 3284.

Please mention the American Florist when writing.

"THE BUSIEST HOUSE IN CHICAGO."

WE ARE RECEIVING A FIRST-CLASS LINE OF

Chrysanthemums, Roses, Carnations, Violets, Valley,

and all seasonable flowers. Largest dealers in

WILD SMILAX AND FANCY FERNS.

J. B. DEAMUD, Pres.
W. P. KYLE, Vice-Pres.
ALEX. NEWETT, Mgr.

J. B. DEAMUD CO.,
51 and 53 Wabash Ave., CHICAGO.

Wholesale Flower Markets

CHICAGO, Oct. 17.

Roses, Beauty, 30 to 36-in. stems		4 00
" " 20 to 24 "	2 50@	3 00
" " 15 to 18 "	1 50@	2 00
" " 12	75@	1 00
" Liberty, Chatenay	3 00@	6 00
" Bride, Bridesmaid	3 00@	6 00
" Golden Gate	3 00@	6 00
" Killarney, Richmond	4 00@	10 00
Carnations	1 00@	1 50
" fancy		2 00
Lily of the valley	2 00@	4 00
Cattleyas.....per doz. $6 00@$7 50		
Harrisii lilies.....per doz. $1 50		
Asparagus plumosus, per string, 35 to 50c.		
" per bu. 35c@$1 00		
" Sprengeri	2 00@	4 00
Galax leaves.....per 1000, $1 25		15
Adiantum	75@	1 00
Fancy ferns.....per 1000, $1 50		
Smilax.....per string, 10c@12½c		
Sweet peas		50
Asters	1 50@	2 00
Auratum lilies.....per doz. $1 50		
Chrysanthemums...per doz., $3 00		
Violets	50@	1 25

Poehlmann Bros. Co.

Wholesale Growers of and Dealers in **Cut Flowers.**

All telegraph and telephone orders given prompt attention.

Greenhouses: MORTON GROVE, ILL.

35-37 Randolph St., CHICAGO.

Be your own Commission Man

THE FLOWER GROWERS' MARKET

furnishes the facilities.

See PERCY JONES, Mgr.

60 Wabash Ave., CHICAGO.

Vaughan & Sperry,

Wholesale Florists,

58 and 60 Wabash Ave., CHICAGO.

WRITE FOR SPECIAL PRICES.

Please mention the American Florist when writing.

PETER REINBERG

Grower and Wholesaler of Cut Flowers.

1,200,000 feet of glass.

Headquarters for American Beauty.

51 Wabash Ave., CHICAGO.

Always mention the American Florist when you order stock.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty.....

WHOLESALE GROWER of CUT FLOWERS

KENNICOTT BROS. COMPANY

40-42-44 Randolph St., CHICAGO.

Our reputation has always been that we fill orders when others fail. All stock in season at Lowest Market Rates.

THE BENTHEY-COATSWORTH CO.

35 RANDOLPH ST. WHOLESALE FLORISTS CHICAGO.

BEAUTIES. **BEST IN THE CITY.**
$15.00, $20.00 and $25 00 per 100.

Autumn Foliage Ribbons, the hit of the season. Write for samples.

Assorted Evergreens for window boxes.

S. S. PENNOCK-MEEHAN CO., 1610-1618 LUDLOW ST., **Philadelphia, Pa.**

Philadelphia.

DEMAND INCREASING.

The situation is improving. The fall weddings are causing quite a demand and in addition the debutantes' teas have commenced and from the published lists in the social columns of the newspapers the prospects for a big demand for these important occasions is promising. American Beauty roses are more plentiful, as are other roses. There is also quite a noticeable improvement in quality all along the line, but not much advance in price, as the chrysanthemums are beginning to be a factor. Some good flowers are seen and on account of their novelty they are often preferred to other high class flowers. Carnations are scarce, more so than at any time for several years past at this season. There are not so many planted for this market as last season and in many places they do not appear to have moved well from the field. Jack Frost has been a big factor the past week and all outside stock is done for. All this should help the chrysanthemums, which we predict will sell up clean.

Autumn leaves are now beautiful and add much to the appearance of the store decorations. Wild smilax has been tabooed in some quarters, particularly in department stores, by fire underwriters, who claim that when dry it is very inflammable. This embargo should be removed at once, as there is absolutely no danger from this form of decoration, at least much less than from the bunting and other light cotton goods that are constantly used for decoration and display in all the large stores. At one time the John Wanamaker Co., of this city, used about 1,000 pampas plumes for one display, which was almost like inviting disaster, but they fortunately escaped. There is absolutely nothing to take the place of southern smilax of like nature that would be free from this objection.

NOTES.

The Leo Niessen Co. has been handling some very choice Polly Rose and Glory of Pacific chrysanthemums the past week, also fine yellow. Myers, who sent the largest part of his cut of American Beauty roses to this company last season, said that previous to that time they had always sold direct to the consumer or retail dealer, but since his experience with this company he would never go back to the old plan, as his returns were so very much better now than before and he would confine himself to the growing hereafter and let the Niessen Co. do the selling.

They have lively times at the S. S. Pennock-Meehan Co.'s these mornings, its four trunk lines of the Keystone telephone controlling eight phones being all reported busy to one caller several times on Saturday last. Some of the first double violets are seen here, very nice flowers for the first. One dollar per 100 is the price.

Pot chrysanthemums are now coming in, hardly ready yet, just showing color, but are wanted for planting out and window boxes. James Cole, of Fifty-fifth and Walnut streets, has his usual fine lot, many of them already sold, in fact being grown to order. J. W. Colflesh also has a fine lot.

Postal card advice from Switzerland informs us that Godfrey Aschmann was due to arrive at New York October 15 on the S. S. Amsterdam, returning from Europe. K.

Boston.

TRADE BRISK.

A tremendous demand for funeral work of all kinds has been the means of keeping the retailers exceedingly busy and consuming the short supply of flowers on the market leaving ample room for the disposal of much more stock were it procurable. Beside this branch of trade the usual number of October weddings have also utilized great amounts of stock. The market is seriously affected as a result of the extremely hot weather during August and September and every class of stock is inferior to the quality usually displayed during the fall season. Chrysanthemums are now just beginning to be seen, two weeks later than usual. From appearances now at hand it is thought that the supply from local growers will be very short. The carnation market is in a deplorable state; the quantity being cut is in no wise adequate to meet the large demands which are constantly increasing. First class carnations have yet to appear. Everything, regardless of quality, sells at good prices as there is no variety of cheaper filling-in stock. Fair Maid and Enchantress lead in quantities with a very limited supply of white, crimson and deep pink. Almost every variety of rose is now being cut by one grower or another. There is a good supply of American Beauty coming in, principally of medium and small grades. The very long-stemmed roses are scarce but their scarcity is not apparent, owning to the fine quality of the stock at hand. Single violets are abundant and very cheap, while double are scarcely seen.

NOTES.

Among the fancy roses displayed none is more attractive than W. H. Elliott's Richmond. He is cutting this variety in large quantities and has succeeded beyond expectation in putting on the market the best blooms of this variety yet seen here. This establishment is also sending to market the first chrysanthemum plants which are very good.

Thos. Roland, of Nahant, is in the first rank of chrysanthemum growers and is cutting some excellent white, yellow and pink. They exceed in quality anything in this line seen on the market so far this season.

The old Honigan estate at Sharon is now very much in evidence with its supply of famous yellow marguerites. This year the season has begun earlier than is usual and the flowers show the results of expert attention.

The genial manager of the Park Street Market, Joseph J. Tree, is receiving the congratulations of his many acquaintances upon the arrival of a young son in his home October 6.

Henry Collins, who last winter attended to the buying for Houghton & Clark, has returned from his summer position, resuming his former place. B.

Pittsburg.

SCARCITY OF STOCK.

The heavy frosts of late together with the first snow of the season killed all outdoor stock. This would have been welcomed had chrysanthemums been a little earlier; as it was it almost left the market bare and store men had great difficulty in filling orders. The chrysanthemum season is now well on as nearly all local people are cutting. Roses are more plentiful and of good quality. American Beauty is very plentiful and quality very fine. Carnations are becoming stronger every day. The scarcity of these is felt more than all other flowers combined. All green stock is quite plentiful.

NOTES.

It has come out that the controlling stock of the Chas. T. Siebert Co. is held by Randolph & McClements; as these two stores are the only ones in the east end the merger should be a good one.

The Pittsburg Cut Flower Co. is receiving a nice cut of Bergman chrysanthemums from the Pittsburg Rose & Carnation Co.

F. H. Westhoff, of De Haven, is sending the Florists' Exchange some good Monrovia.

P. J. Demas is spending a week in Philadelphia.

Visitors: John Meyers, of Meyers Bros., Altoona, Pa.; Paul Berkowitz, of Bayersdorfer & Co., Philadelphia, Pa. J.

WAPPINGERS FALLS, N. Y.—The flowers at the show here were very poor, owing to the very dry weather. The Burbank and Santa Rosa and Estrella marigolds were fair, but not at their best.

Beauties

THE BEST AND THE LARGEST STOCK IN PHILADELPHIA.

THE LEO NIESSEN CO.

WHOLESALE FLORIST.

Open From 7 A. M. to 8 P. M.

1217 Arch St., PHILADELPHIA, PA.

Roses—Carnations

Now is the time to stock up with supplies for the winter. Write for our list of supplies.

WE HAVE WHAT YOU WANT.

PITTSBURG FLORISTS' EXCHANGE, Pittsburg, Pa.

NOW READY

to fill orders for **American Beauties, Lily of the Valley, Carnations** and all varieties of **Tea Roses** in lots of one hundred to one thousand at short notice. Get our prices before ordering elsewhere.

WELCH BROTHERS, 226 Devonshire St., BOSTON, MASS.

ASPARAGUS PLUMOSUS NANUS.

Cut Strings, 50 cents each.

W. H. ELLIOTT, Brighton, Mass.

THE

J. M. McCullough's Sons Co.

Wholesale Commission Florists.

CONSIGNMENTS SOLICITED.

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES, SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

Please mention the American Florist when writing.

C. A. KUEHN,

Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs

Please mention the American Florist when writing

ROSES AND CARNATIONS

Pittsburg's Largest and Oldest Wholesalers.

PITTSBURG CUT FLOWER CO., Ltd.

504 Liberty Ave., PITTSBURG, PA.

Please mention the American Florist when writing

Holton & Hunkel Co.

Wholesale Florists

Milwaukee, Wis.

Please mention the American Florist when writing

H. G. BERNING,

Wholesale Florist

1402 Pine St., ST. LOUIS, MO.

Please mention the American Florist when writing.

Wholesale Flower Markets

PHILADELPHIA, Oct. 17.

Roses, Tea	3 00@ 4 00
" " extra	6 00@ 8 00
" Liberty	4 00@15 00
" Queen of Edgely, extra	16 00@35 00
" " " first	12 00@15 00
" Beauty, extra	16 00@35 00
" " firsts	12 00@15 00
Carnations	2 00@ 4 00
Lily of the valley	2 00@ 4 00
Asparagus, bunch	25 00@50 00
Smilax	15 00@20 00
Adiantum	1 00@ 1 50
Cattleyas	50@ 60
Gardenias	40 00@50 00
Lilium Harrisii	12 50@15 00
Violets, single	50@ 75

BOSTON, Oct. 17.

Roses, Beauty, best	25 00@35 00
" " medium	12 00@20 00
" culls	2 00@ 8 00
" Bride, Bridesmaid	2 00@ 4 00
" Extra	6 00@ 8 00
" Liberty	6 00@25 00
Carnations	1 00@ 2 00
" Fancy	2 00@ 3 00
Lily of the valley	2 00@ 4 00
Smilax	8 00@12 00
Adiantum	1 00@ 1 50
Asparagus	35 00@50 00
Sweet peas	25@ 75
Pond lilies	2 00@ 4 00
Asters	75@ 1 00
Gladioli	2 00@ 4 00

BUFFALO, Oct. 17.

Roses, Beauty	5 00@25 00
" Bride, Bridesmaid, Meteor	3 00@ 8 00
Carnations	1 00@ 2 50
Lily of the valley	3 00@ 4 00
Asparagus, strings	40 00@50 00
Smilax	12 00@15 00
Adiantum	75@ 1 50
Lilies	5 00@15 00
Water lilies	4 00@ 6 00
Chrysanthemums	20 00@25 00

THE ART OF Floral..... Arrangement.

The first special newspaper in the world for floral arrangement.

250 ILLUSTRATIONS ANNUALLY.

Specimen number free.
Subscription, $2.40 yearly.

BINDEKUNST-VERLAG,
J. Olbertz, ERFURT, GERMANY.

Please mention the American Florist when writing

J. B. MURDOCH & CO.

WHOLESALE FLORISTS,

FLORISTS' SUPPLIES.

545 Liberty Ave., PITTSBURG, PA.

IT IS NOT...

what you pay for the advertisement but what the advertisement pays you. It pays to advertise in the **American Florist.**

Field-grown Carnation Plants. GOOD CLEAN STOCK. WRITE FOR PRICES.

ABSOLUTELY THE BEST POSSIBLE SERVICE.

W. E. McKissick

WHOLESALE FLORIST.

Business Hours 7 a.m. to 6 p.m.

1221 Filbert Street, PHILADELPHIA, PA.

Please mention the American Florist when writing

Nephrolepis Whitmani

2¼-inch, $25.00 100,

Boston Ferns 2¼-in. $3.00 per 100.

Henry H. Barrows & Sons, WHITMAN MASS.

Please mention the American Florist when writing.

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants.

Market and 49th Sts, Philadelphia, Pa.

Please mention the American Florist when writing.

New York.

LITTLE OUTDOOR STOCK ARRIVING.

The market has undergone a marked change in conditions since last midweek. The cold weather and frosts experienced played havoc with late outside stock, consequently dahlias and other tender flowers have disappeared. Cosmos, which is usually very plentiful at this time, has suffered to such an extent that very little is arriving. Semiprotected chrysanthemums have suffered somewhat. In other lines the weather has had a contrary effect. Roses are much better in quality, and in quantity have increased so much that prices have very materially declined, and cleaning up is far from easy, particularly in the lower grades. Many growers, who two weeks ago made shipments quite small for the size of their establishments have doubled, and in some cases more than trebled their shipments, and this condition meets a demand which is not at all proportionate. The street merchant is an appreciated factor just now, and stands between legitimate business and the ash barrel. American Beauty in the higher grades in very plentiful and selected stock hardly goes above the maximum of quotations. Bridesmaid roses are over plentiful, and although the special and fancy grades sell pretty well, short stemmed stock is in over supply, and much of it can only be moved at sacrifice prices. Bride roses are in somewhat better supply than they have been, but the improvement is largely confined to the higher grades. Short stemmed stock is still quite scarce, and wholesalers use their holdings to force the trade in the more plentiful pink variety. Killarney and Chatenay are strong favorites among the most prominent retailers, and clean up quickly. Carnations are fairly steady, and in supply are on the short side. They continue to improve in quality and some really fine stock is available. White sorts are perhaps scarcer than others. Violets are coming in fairly well, and doing as well as they did last year at this time. Single violets are to be had but are rather small. Lilies are scarce, and come from few sources, consequently prices are rather high. Lily of the valley is not over plentiful and moves easily. Chrysanthemums are a feature of the market just now, and bring fair prices, but an avalanche of them is in sight and they are likely to become a troublesome problem any day. The early varieties, Monrovia, Polly Rose, Glory of Pacific and Omega are still about all the varieties available, the yellows being most limited in supply. Outside protected crops are beginning to arrive, and there is plenty of short stemmed flowers to be had. Indoor grown sweet peas are to be seen in a few places, and some fine pansies figure among off season commodities.

The Market, October 17.—The market today as regards prices is moving rapidly downward. The lower grades of roses are in oversupply and sacrificed.

THE HORTICULTURAL SOCIETY.

The opening meeting for the winter session of the Horticultural Society was held October 10 in the museum building of the New York Botanical Garden. The business of the meeting was of a routine character, but before adjournment it was decided to hold the proposed conference on hardiness in December, 1907. In connection with the meeting was an exhibition of hardy flowers, and vegetables. There were no classes in the schedule governing exhibits, and awards were made on the merits of the individual exhibits.

The exhibits of dahlias were very fine, although not as extensive as would have been the case had the weather been milder. The number of new varieties shown was rather remarkable, and in this respect the recent exhibition at the American Institute was eclipsed. F. R. Pierson Co., of Tarrytown, N. Y., was awarded a special prize for a collection of dahlias, which included many of the newer sorts; and they also exhibited vases of Anemone alba, A. rosa and A. elegans. The silver medal of the society was awarded to T. A. Havemeyer, of Hempstead, L. I., for his collection of new cactus dahlias. One of the most attractive specimens in this collection was Edward Drury, a medium sized flower with outer petals of canary yellow and inner petals of solid white. Capt. Aaron Ward, of Roslyn, L. I., was awarded a bronze medal for his fine collection of outdood hybrid tea roses.

There was a fine exhibit of Lilium Philippensis by R. J. Farquhar & Co., Boston, Mass. The plants were grown from bulbs planted in the open ground, and demonstrated the value of the variety as a late flowering lily, blooming when prices for cut flowers usually rule high. The exhibit was awarded a silver medal. E. D. Adams, of Seabright, N. J., gained a special prize for a fine collection of show and cactus dahlias.

J. M. Thorburn & Co., of New York, were awarded a bronze medal for a very fine collection of vegetables, and Martin L. Bell, of Sparkill, N. Y., was awarded special prizes for his collections of onions, peppers, egg plants, squashes, pumpkins, gourds, corn, and other vegetables.

The next meeting of the Horticultural Society of New York will be held at the American Institute, 19-21 West Forty-fourth street, November 14. The lecturer for the evening will be Leonard Barron, and his subject "Lawns."

NOTES.

Robert G. Wilson, the Brooklyn florist, had a rather unique display in one of his large windows recently. It was a miniature wedding decoration consisting of small kentias, bordered steps of white satin ribbon, the ribbon continuing to a ceremonial group of larger kentias enlivened with carnations; an arch of sweet peas made an entrance and gates were made of pink orchid tassels with Asparagus plumosus interwining. Standards of asparagus with small bunches of sweet peas marked the guest rows.

Patrick J. Donohoe, head gardener and landscape architect for Morris K. Jesup, of Lenox, Mass., who died at Lenox October 1, was very prominent in horticultural circles, and much of his work will serve as a lasting monument to his ability in his inherited and chosen profession. His association with the Jesup estates was of 16 years' standing. He was an uncle of Wm. H. Donohoe, the Twenty-ninth street and Fifth avenue florist, who attended the funeral at Lenox.

James B. Kidd, formerly with the Hinode Florist Co., but now with Wm. Elliott & Sons., is receiving the sympathy of his many friends in the trade on account of the death of his daughter, Belle, in California. The deceased was 27 years of age, and her death was attributed to the exposure and shock incident to her experiences during the recent earthquake and fire in San Francisco, where she was residing.

J. M. Hodgson furnished the greater part of the decorations at the Sands-Blight wedding at Newport last Thursday, one of the largest of the season. Palms, cosmos, asparagus and white roses were used for the chancel decorations at the church. The bride's bouquet was of Kaiserin Augusta Victoria roses, and jessamine, Carnot and Chatenay roses were used for the bridesmaids' bouquets.

Ford Bros. have built an auxiliary office at the front of their Twenty-eighth street store which is proving a great convenience. The store front was painted this week, and everything looks spick and span for the season just opened. The store front of Edward C. Horan is also looking bright after repainting.

R. C. Pye, of Nyack, has returned from a three months' trip to England. His greenhouses appear to have been well cared for in his absence, judging from the fine quality of Bride and Bridesmaid roses he is sending into Moore, Hentz & Nash.

Andrew Wilson, of Summit, N. J., the plant oil man, is an active member of the fire department of Summit. He runs with the chemical engine and his big official badge bears the number "23." He skiddooed on three alarms last week.

The windows of prominent florists, which for some weeks have been set almost exclusively with ferns and other plants, are now enlivened with vases of chrysanthemums, and orchids.

A. C. Zvolanek, Boundbrook, N. J., is among the new comers at the N. Y. Cut Flower Exchange, where he has rented a stand. He is bringing in some fine Omega chrysanthemums.

Walter F. Sheridan has installed a telephone exchange in his store, which has necessitated a change in his call number; 3532 and 3533 Madison square now locate him.

Thos. Young has secured the spacious floor above his main quarters, 41 West Twenty-eighth street, to which his wholesale cut flower business will be transferred.

Siebrecht & Son expect to occupy their new store, adjoining their old store at Thirty-seventh street and Fifth avenue.

Herman Dreyer of Woodside, L. I., has been spending a few days shooting in Sullivan county.

Philip F. Kessler is about building a substantial office in his quarters in the Coogan building.

G. F. Neipp, late of Aqueduct, is operating his new establishment at Chatham, N. J.

Perkins & Schumann are occupying their new quarters in the Schumann building.

HORACE E. FROMENT, Wholesale, Commission,
Successor to William Chormley.
Orchids, Roses, Carnations, Valley, Lilies, Etc.
57 West 28th Street, NEW YORK CITY.
Telephones 2200 and 2201 Madison Square.

Trade Directory

—OF THE—

UNITED STATES AND CANADA.

PRICE $2.00, POSTPAID.

American Florist Co., 324 Dearborn St., Chicago.

Choice Carnations. Selected Roses.

Traendly & Schenck

NEW YORK CITY,

44 W. 28th Street, Cut Flower Exchange.

New Telephone No. 798 & 799 Madison Sq.

Please mention the American Florist when writing

CARNATIONS

MY SPECIALTY

Consignments Solicited. Prompt Payments

Established 1891.

Alfred H. Langjahr, 55 W. 28th St., NEW YORK.

Telephone 3924 Madison Square.

Please mention the American Florist when writing.

Original Pioneer House—Established 1871.

JAMES HART

103 W. 28th St., NEW YORK.

Wholesale and Commission

Consignments solicited. Shipping orders promptly attended to. 'Phone 626 Madison.

Please mention the American Florist when writing.

FORD BROS.

Receivers and Shippers of

Fresh Flowers

48 West 28th St. NEW YORK.

Telephone 3870-3871 Madison Sq.

Please mention the American Florist when writing.

N. Y. Cut Flower Exchange

Coogan Bldg., 6th Ave. & W. 26th St., New York.

Open for Cut Flower Sales at 6 o'clock Every Morning.

Desirable Wall Space to Rent for Advertising.

V. S. DORVAL, JR., Secretary.

The Best Way to Collect an Account

is to place it with the

NATIONAL FLORISTS' BOARD OF TRADE, 56 Pine St., New York.

Why? Because many debtors will pay the Board, fearing otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.

ORCHIDS

Largest Importers, Exporters, Growers and Hybridists in the World.

SANDER, St. Albans, England.

NEW YORK OFFICE: Room 1, 235 Broadway. T. MELLSTROM Agent

Charles H. Totty

WHOLESALE FLORIST

Chrysanthemum Novelties A Specialty. MADISON, N. J.

Wholesale Flower Markets

NEW YORK, Oct. 17.

Roses, Beauty, best	10 00	@20 00
" " medium	6 00	@10 00
" " culls	1 00	@ 4 00
" Liberty, best	3 00	@ 7 00
" " culls	1 00	@ 2 00
" Bride, Bridesmaid, G. Gate	50	@ 5 00
" Kaiserin, Carnot	1 00	@ 6 00
Carnations	1 00	@ 1 50
" fancy and novelties	2 00	@ 4 00
Lily of the valley	1 00	@ 4 00
Lilies	6 00	@15 00
Violets	25	@ 50
Smilax	6 00	@ 8 00
Adiantum	50	@ 1 00
Asparagus	20 00	@50 00
Chrysanthemums, doz., $0.75@$3.00		

Thomas Young

WHOLESALE FLORIST.

43 West 28th St., NEW YORK.

Alex. J. Guttman

The Wholesale Florist of

NEW YORK.

Phone 1664-1665 Mad. Sq. 43 W. 28th Street.

Moore, Hentz & Nash,

Wholesale Commission Florists,

55 and 57 West 26th Street,

Telephone No. 756 Madison Square. New York.

N. Lecakes & Co.

53 W. 28th St., NEW YORK.

Tel. No. 1214 Madison Square

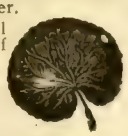
Stands at Cut Flower Exchange, Coogan Bldg., W. 26th Street & 34th Street Cut Flower Market. SPECIALTIES: Galax Leaves, Ferns and Leucothoe Sprays, Holly, Princess Pine and all kinds of Evergreens.

Green and Bronze Galax Leaves, $1.00 per 1000.

A. J. FELLOURIS,

J. J. Fellouris, Manager.

Wholesale and Retail Dealer in all kines of EVERGREENS, Fancy and Dagger Ferns. Bronze and Green Galax.



Telephone, 2675 Madison Square.

52 West 28th Street, NEW YORK.

George Cotsonas & Co.

Wholesale and Retail Dealers in all kinds of

Evergreens.

Fancy and Dagger Ferns, Bronze and Green Galax.

Phone 1202 Mad. Sq.

Main Store, 50 W. 28th St., NEW YORK.

—FLOWERS SHIPPED BY—

JOHN I. RAYNOR

Are the best product of the best growers for the New York Market.

Adiantum Croweanum sold here exclusively.

49 W. 28th St., NEW YORK.

Tel. 1998 Madison Square.

Please mention the American Florist when writing

Walter F. Sheridan,

WHOLESALE FLORIST,

Telephone 902 Madison Square.

39 West 28th St., NEW YORK.

Please mention the American Florist when writing.

J. Seligman. Joseph J. Levy

John Seligman & Co.

WHOLESALE FLORISTS

56 West 26th Street, NEW YORK.

OPPOSITE N. Y. CUT FLOWER CO.

Everything in Cut Flowers. Consignments from growers solicited. Prompt returns. Best prices. Satisfaction guaranteed. Tel. 4878 Madison.

Please mention the American Florist when writing

PHIL. F. KESSLER

Wholesale Commission Florist

Telephones { 2921 / 5243 } Madison Square.

55 WEST 26th STREET,

Consignments solicited. Prompt payments. New York.

Please mention the American Florist when writing.

A. M. HENSHAW

Wholesale Commission Florist.

Consignments of first-class stock solicited. Ou of town orders carefully and promptly filled.

Telephone 5583 Madison.

52 W. 28th St., NEW YORK

Receivers and Shippers of Cut Flowers. Consignments Solicited.

A. L. YOUNG & CO. Wholesale Florists . .

54 West 28th Street.

Telephone 3559 Madison Sq. NEW YORK.

THE KERVAN COMPANY,

20 West 27th St., NEW YORK.

Wholesale dealers in fresh cut Palmetto and Cycas Palm leaves, Galax, Leucothoe Ferns, Mosses and all Decorating Evergreens.

J. K. ALLEN.

Wholesale Commission Florist.

106 West 28th St., NEW YORK CITY.

Open every day at 6:00 A.M. Tel. 167 Madison Sq.

Orchids!

ARRIVED IN SUPERB CONDITION.

Cattleya Dowiana, C. gigas, C. Mossiæ, C. Percivaliana, C. Speciosissima, C Eldorado, C. superba, C. labiata C. Leopoldii, and many more. Write for prices,

Lager & Hurrell, SUMMIT, N. J.

Orchid Growers and Importers.

CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

William H. Donohoe, No. 2 West 29th St., (One Door Off 5th Ave.) NEW YORK.

PHONES: 3034 and 3035 MADISON SQUARE.

Write, wire or telephone your orders to the above. Personal attention assured.

The best is none too good. Prices always right. Send me your next order.

DETROIT.

JOHN BREITMEYER'S SONS

Cor. MIAMI and GRATIOT AVES.

DETROIT, MICH.

...Artistic Designs...

High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

MILWAUKEE.

C. C. Pollworth Co.

MILWAUKEE, WIS.

Will take proper care of your orders in WISCONSIN.

INDIANAPOLIS.

Bertermann Bros. Co.

FLORISTS

241 Massachusetts Ave., INDIANAPOLIS, IND.

ST. LOUIS.

Fred. C. Weber,

FLORIST,

4320-4328 Olive St., ST. LOUIS, MO.

Established 1873. Bell, Lindell 676.

DENVER.

The Park ...Floral Co.

J. A. VALENTINE, President. DENVER, COLO.

OMAHA.

HESS & SWOBODA,

Florists,

1415 Farnam Street, OMAHA, NEB

Phone 1501 and L. 1582.

Please mention the American Florist when writing.

DENVER.

FLORAL DESIGNS AND FLOWERS.

Best Quality on Shortest Notice.

DANIELS & FISHER, DENVER, COLO.

Order by mail, telephone, telegraph or cable.

Cable address: "Daniels Denver."

LONDON PARIS BERLIN

A. Lange

Prompt Attention to STEAMSHIP ORDERS.

Main Address 40 East Madison Street, Heyworth Bldg. ... CHICAGO.

Agents in all Leading European Cities.

WASHINGTON, D. C.

—

Gude's.

CHICAGO.

P. J. HAUSWIRTH

Auditorium Annex,

CHICAGO.

Mail, telegraph or telephone orders filled promptly in best style.

BUFFALO

Palmer's

Buffalo, N. Y.

W. J. Palmer & Son, 304 Main St.

WASHINGTON.

GEO. H. COOKE,

FLORIST

Connecticut Avenue and L Street

WASHINGTON, D. C.

KANSAS CITY.

Samuel Murray

...FLORIST...

Coates House Conservatory

1017 Broadway, KANSAS CITY, MO.

Both 'Phones 2670 Main.

Write, Telephone or Telegraph. All orders given prompt attention.

KANSAS CITY.

GEO. M. KELLOGG,

806 Grand Avenue,

KANSAS CITY and PLEASANT HILL, MO.

Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

BROOKLYN, N. Y.

Robert G. Wilson

Fulton St. and Greene Ave. BROOKLYN

Greenhouses: Short Hills, N. J.

—Deliveries in—

Greater New York, Long Island and New Jersey.

Trade orders from all parts of the country filled for delivery at residence, steamer, hotel, or theater on wholesale basis. Satisfaction guaranteed. Wire or telephone.

ST. PAUL.

HOLM & OLSON,

ST. PAUL.

THE LEADING FLORISTS OF THE NORTHWEST.

Orders will be well cared for anywhere in Minnesota and the Dakotas.

GALVESTON.

Mrs. M. A. Hansen,

—FLORIST—

Galveston, Texas.

Special attention given to Telegraph or Telephone Orders. 'Phone 1912.

JACKSONVILLE.

MILLS THE FLORIST,

36 W. Forsyth Street,

JACKSONVILLE, FLA.

WASHINGTON.

Mayberry & Hoover

Florists and Decorators

1339 Fourteenth St., Northwest

Telephone North 508. WASHINGTON, D. C.

New Orleans

CUT FLOWERS

For Tourists and General Trade.

Wire or mail. Highest Grade Stock Only.

URIAH J. **VIRGIN,** —838— CANAL ST.

COLUMBUS.

The Livingston Seed Co.

FLORISTS

Cover All Ohio Points. 114 North High St.

MAKE MORE PROFIT

You can do this by buying **all** your stock, both in **CUT FLOWERS** and **FLORISTS' SUPPLIES**, of **THE A. L. RANDALL CO.** Try us.

THE A. L. RANDALL CO., 19 and 21 EAST RANDOLPH ST., Chicago.

The Cleveland Cut Flower Company,

WHOLESALE CUT FLOWERS, FLORISTS' SUPPLIES, WIRE DESIGNS.

215 Huron Road, CLEVELAND, OHIO.

Cut Flowers or Designs

Will be delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

NEW YORK.

Alexander McConnell

IN NEW QUARTERS.

571 Fifth Avenue, Windsor Arcade, NEW YORK CITY

TELEGRAPH orders forwarded to any part of the United States, Canada and all principal cities of Europe. Orders transferred or intrusted by the trade to our selection for delivery on steamships or elsewhere receive our prompt attention.

Telephone Calls: 487 and 488 38th Street.
Cable Address: ALEXCONNELL.
WESTERN UNION CODE.

ST. LOUIS.

Theodore Miller

FLORIST,

Long Distance Phone, Bell, Forest 56, Kinloch, Delmar 201. **4832 Delmar Boulevard, ST. LOUIS, MO.**

DAYTON, O.

Matthews,

FLORIST,

16 W. 3rd St., DAYTON, O.

ALBANY, N. Y.

EYRES

Flowers or Design Work.

DELIVERED IN ALBANY AND VICINITY ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

LOUISVILLE.

JACOB SCHULZ, 644 Fourth Ave., LOUISVILLE, KY.

Cut Flowers of BEST QUALITY in season delivered promptly to any address.

Write, Telegraph or Telephone.
Cumberland and Home Phones 223 and 984.

ATLANTA.

ATLANTA FLORAL CO.

41 Peachtree Street, ATLANTA, GEORGIA.

The American Florist Company's

DIRECTORY

Contains the names and addresses of all the Florists, Seedsmen and Nurserymen in the United States and Canada. Price $2.00.

AMERICAN FLORIST CO.,
324 Dearborn Street Chicago, U. S. A.

GERANIUMS

ROOTED CUTTINGS.

Orders booked for delivery Dec. 1, and after I will have fourteen houses planted to stock plants and can supply you with the right kind of cuttings.

	Per 100	1000
S. A. Nutt, Perkins, Buchner, Doyle	$1.25	$12.50
Viaud, Jaulin, Poitevine, L. Francis, Ricard, Castellane, Trego	1.50	15 00
Peter Henderson	2.00	20.00
Fleuve Blanc (White Poitevine)	5.00	50.00

These cuttings are carefully grown and will make a better plant than the average pot plant.

ALBERT M. HERR,
Lancaster, Pa.

FERNS.

Extra Fine and Cheap.

FROM BENCH. Boston, 3-inch, 5c; 6-7-in., 15c. Boston and Piersoni, 4-inch, 10c.; 5-inch, 12½c. Tarrytown, 3-inch, 10c.; 4-inch, 15c; 6-inch, 25c; Tarrytown Runners, fine stock, $2.00 per 100. Scottii, 3-inch, 8c; 4-inch, 12½c; 5-inch, 15c.

PRIMROSE, Chinese, white, strong, 2-in., 1½c.

FLOWERING BEGONIAS, 8 kinds, 2-inch, 2½c.

ASPARAGUS SPRENGERI, 2½-in., $2.00 per 100.

PANSIES, Giant, $3.00 per 1000.

Dbl. DAISIES, Snowball, Longfellow, Delicata, $2.50 per 1000.

RUBBERS, top grown, 4-5-inch, 15c and 25c.

HARDY PINKS, field, Essex Witch, M. Gray, Abbottsford, 3½c.

Dbl. HOLLYHOCKS, 4 colors, field, 1 year, 3c. Cash or C. O. D.

BYER BROS., Chambersburg, Pa.

TAKE MY WORD FOR IT.

—THE—

Rose Pink Enchantress

Will pay you well to invest in.

It is a variety of superior merit, both free and "fancy," and of a color that you have been looking for in vain during the past two seasons. Rooted Cuttings, January and later delivery.

Price: $7.00 per 100; $60.00 per 1000.

S. S SKIDELSKY,
824 No. 24th Street, PHILADELPHIA, PA.
Descriptive circular on application.

NOTICE.

I have bought out the interest of Mr. A. Faber, of the firm of Fick & Faber, and intend to continue the business under the firm name of

CHARLES F. FICK, San Mateo, Cal.

Hoping that the trade in general will continue to favor me in the future as in the past the old firm.

FERNS FROM BENCH.

BOSTONS, ready for 4 and 5-inch pots, $10.00 and $15.00 per 100 respectively.

CARNATIONS.

1500 Norway, extra large, healthy plants, $3.50 per 100; $30.00 per 1000.

ASPARAGUS.

Heavy, 2½-inch, plants, ready for a shift, Sprengeri, extra fine.. 3.00 per 100; 25.00 per 1000
" field-grown clumps, $6.00 per 100.

JERUSALEM CHERRIES, 3½-inch now in bloom, $4.00 per 100. These plants are ready for 5-inch.

1500 **CALIFORNIA VIOLETS,** fine big clumps, $5.00 per 100.

J. W. DUNFORD, Clayton, Mo.

A Few Good Things You Want.

Cash with Order.

Dracaena Indivisa, 4 and 5-inch, $10.00 and $25.00 per 100.
Asparagus Plumosus, 2-in., $3 00 per 100.
Asparagus Sprengeri, 2-inch, $2.50 per 100.
Geraniums, S. A. Nutt, Castellane, John Doyle, Perkins, Poitevine and Double Gen. Grant, La Favorite 2-in. pots, $2.00. Rooted cuttings, $1.00 per 100.
Rex Begonia, nice plants, and 2½-inch, $5.00 per 100.
Boston Ferns, 5-inch, 30c each.
Pierson Ferns, 5-inch, 50c each.
Vinca Var., 2-in., $2 00 per 100.
Primula Obconica, 2-in., $2.00 per 100.

GEO. M. EMMANS, NEWTON, N. J.

Abundance Carnation

Plants from the field all sold.

Rooted cuttings of this variety will be ready about January.

RUDOLPH FISCHER, GREAT NECK, L. I., N. Y.

PANSIES DAISIES

Best Giants, Mixed. Snowball and Longfellow.
$2.50 per 1000 200 for $4.50.

Coreopsis Lanceolata, Dbl. Hollyhocks, red and mixed, strong seedlings, ready to pot, 60c per 100, mail; $5 00 per 1000, express.

Primula Obc. Grandif., Alba, Rosea, 2-in., make fine stock for Easter, $1.50 per 100, Cash.

SPIPPENSBURG FLORAL CO., Shippensburg, Pa.

ROOM....

We are crowded for room and must dispose of a lot of

BOSTON FERNS AT A SACRIFICE.

We have a large stock of **Boston, Piersoni, Elegantissima** and **Scottii.** Write for special prices which are too low to appear here.

W. W. COLES, Kokomo, Ind

For Best Results Advertisers should mail new advertisements and changes so as to reach us on Mondays.

The Seed Trade.

American Seed Trade Association.
H. W. Wood, Richmond, Va., Pres.; C. S. Burge, Toledo, O., First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas. Twenty-fifth annual convention at New York, 1907

NITRATE OF SODA has recently advanced about $4 per ton.

VISITED CHICAGO:—Chas. N. Page, of the Iowa Seed Co., Des Moines, Ia.

MINNEAPOLIS, MINN.—Jesse E. Northrup's health continues to improve slowly.

IT is reported that a big Chicago mail order house will discontinue its seed department.

SOME of the novelties offered by Watkins & Simpson are described elsewhere in this issue.

SEEDS to the value of $1,249,371 were imported at Leith, port of Edinburgh, Scot., during 1905.

COLDWATER, N. Y.—The Joseph Harris Co. is building a large addition to its seed storehouse.

BOUQUET GREEN has not been picked to any extent yet, though at present the weather is very fine for the work.

SOME Connecticut onion growers report that they will deliver about 60 per cent on their onion seed contracts.

MILFORD, CONN.—The corn crop is curing up splendidly, but as before reported the acreage is remarkably light.

HOLLY districts in Tennessee which have provided good stock in former years report a full crop of berries this season.

NORTHRUP, KING & Co. are advertising wild rice in an attractive booklet, the cover of which is reproduced herewith.

SOME important seed crop reports were held over last week owing to the pressure on the space of this department.

THE United States Department of Agriculture has recently issued an illustrated bulletin of 48 pages on a new type of red clover.

HOLLY reports from Delaware and Maryland districts indicate light supply and that packers will look to Virginia for much of their shipments.

LOS ANGELES, CAL.—Johnson & Musser are making considerable improvement in their store, building a deck and in general changing things around.

JOHN MICHIE, for some time chief assistant in the seed department of Sears, Roebuck & Co., Chicago, is now with the S. M. Isbell Co., Jackson, Mich.

5,400 ACRES OF GARDEN SEEDS IN CULTIVATION.
Braslan Seed Growers Co.
WHOLESALE SEED GROWERS.
SAN JOSE, CALIFORNIA.

RECENT appraisers' decisions show that plants for public institutions are exempt from duty and that pumpkin and asparagus seeds are not admissible as drugs.

A NUMBER of peddlers and farmers were recently arrested at Chicago for using short weight measures in disposing of fruits and vegetables. It is evident that the "honest farmer" is being corrupted.

SEDALIA, Mo.—Archias' Seed Store won first premium for its display of seeds at the state fair. This is the fifth year that the firm has held this honor. Its exhibit was one of the finest ever made of its kind.

F. W. WILSON, formerly of the Cleveland Landscape Co., and at one time employed in Philadelphia, and the first part of 1906 located at Scranton, Pa., under name of the Reliable Seed Co., is reported to have disappeared from that point, leaving many unpaid bills.

Cover of Advertising Booklet.

A RECENT decree of the republic of Ecuador provides for the free importation of seeds and plants for 10 years, but should such seeds and plants be offered for consumption otherwise than for planting they shall be considered contraband.

NEW YORK, October 15.—The steamer Peninsula, which arrived Sunday, brought part of the cargo of the wrecked steamer Brooklyn, which carried when she left Marsailles, France, about August 1, about 1,000 cases of French bulbs. The consignees are not yet aware of the condition of the stock.

ONE of the largest clover seed shipments recorded this season was made last week from Hiawatha, Kans., by John Sterns. It contained 600 bushels and brought Mr. Sterns $3700. He bought the seed from farmers paying them from $5.75 to $6.00 per bushel for it.—K. C.

Burrell Claims the Melons Are Different.

ED. AMERICAN FLORIST:—

Referring to the claim of Vaughan's Seed Store that the Burrell Gem musk melon is that firm's Osage Gem renamed, I wish to say this is absolutely without foundation. The netting on Vaughan's Osage Gem as illustrated in that firm's 1900 catalogue is not closely laced and consists of small growths varying from a speck to a strip about one-half inch in length, each growth being separate from the other. The interstices between the growths are wide, averaging wider than the growths of netting so that from one suture to another, not over 40 per cent of the space is covered with netting. The netting on the Burrell Gem is very closely laced and inter-laced; from where the netting starts at one suture to where it ends at another there are absolutely no breaks. The interstices between lacing are very small so that fully 90 per cent of the space between the sutures is covered with netting. The sutures of the Burrell Gem are wider than those of Vaughan's Osage Gem. The Burrell Gem is more oblong than Vaughan's Osage Gem. Next week I will furnish you with illustrations of both of these melons, and will also give some of the records which my melon has made on the market.

It is unfortunate that Vaughan's Seed Store should have a melon of such merit introduced to the public seven years ago and that some of his customers have not been able to place it on the market so as to make a record, but the concern is rather hasty in claiming the Burrell Gem is their melon re-named.

If you are interested in these melons it will be to your advantage to watch the next issue of THE AMERICAN FLORIST.

D. V. BURRELL.

[We would suggest that Mr. Burrell give the parentage of his melon so that the apparent similarity can be rightfully explained if the origin is different. —ED.]

The Question of Discounts.

AN OPEN LETTER TO SEEDSMEN.

In looking over the various catalogues for inspirations, etc., I find that you make quite an item of premiums, discounts, etc. Do you not think it is about time that seedsmen awakened to the fact that we are giving away altogether too much to people that purchase, as most of them do, once a year? Are you aware of the fact that all your expenses such as wages, printing, paper, bags, rent, in fact everything else is from 25 to 50 per cent higher than it was five years ago, and that we do not get any more for our goods than we did then? What is this going to lead to? Had we not better do some figuring and realize conditions as they are?

We have been thinking of omitting discounts entirely, but on looking over the catalogues of the various seedsmen we find that we would be practically alone in this undertaking. While we do not think that a discount brings us much more business, we would dislike taking the risk of discontinuing them practically single-handed.

We would like to have your views on this subject. SEEDSMAN.

The Seed Crops.

CAMBRIDGE, N. Y., OCTOBER 3.

The crop of beans of nearly all the garden varieties is turning out very well and it looks now as though there would be beans enough to go around on most sorts. At the same time we do not count on any surplus.

On sweet corn of all varieties the acreage planted this year has been limited, but the product of the acreage that was planted, while not an extra large crop, is going to be of good quality, will be well cured out and ripened up and will make good seed. There will probably be enough sweet corn to fill the bill, but like beans there will not be a surplus.

As regards peas, none of the growers as yet have made estimates as to what will be delivered on contract orders and therefore it is impossible at this time to say regarding the delivery that will be made by the growers of peas on contract. The crop is now coming in from the farmer. A little later on the grower will be able to give information regarding the deliveries. But one thing we think we can safely say and that is that there will not be a surplus on any variety this year.

Shortages in onion seed seem to be quite apparent, especially in the yellow sorts and in some varieties of white onions. The crops of cucumbers and musk melons are also going to be on the short side and market values are advancing. On the whole the season seems to be an active one and there will be a large demand for seeds of all kinds and at fair prices for the spring of 1907.

FREMONT, NEB., OCTOBER 5.

The cucumber crop is going to be below the average yield, varying, according to the sections of the country and the varieties of cucumber being grown, from 25 per cent to 50 per cent of an average crop, while in a few cases, the crops will run a little better than 50 per cent of an average crop, and in others, there will be nearly total failures. We hardly think, however, that the general crop will average more than 100 to 150 pounds per acre.

The musk melon and watermelon crops also show considerable variation according to the different sections of the country in which they are grown, and while we expect to have a limited surplus of a few varieties, we are going to be short in our deliveries for quite a number of the standard varieties.

The pumpkin and squash crops are generally looking better than the cucumbers and melons, but they also in a number of cases have not set fruit as thickly as the conditions of the vines would seem to warrant.

Squash crops seem to have made a rank growth of vines and look healthy and strong, but for some reason the squashes were very thin on the ground.

The sweet and field corn crops are at present the best we have had for several years, and are practically free from worm eaten and rotten ears, and in most cases are entirely out of the way of danger from frosts. The acreage, however, of sweet corn is considerably smaller than it has been for several years, so that we do not look for any large surplus stocks, especially in the earlier varieties.

MARBLEHEAD, MASS., OCTOBER 10.

Sweet corn has done exceptionally well, both ear and kernel, having grown to abnormal size. The long, warm, dry fall has favored its ripening. Cucumber here has never been blighted so badly nor so universally. Fortunate are those who have carried over a sufficient supply from last season's crops.

As a general rule the squash crop has been a good one. The onion seed crop promised exceptionally well early in the season but just before maturing some pieces disappointed their owners. Many varieties of beans rusted badly; among them the Refugee wax and Valentine were marked exceptions being affected by neither rust nor rot.

There is some potato rot, but less than in average seasons. Early Noroton, maturing before the dog days, were nearly free, while the famous Scotch seedling, Eldorado (which three years ago sold in England at about $1,000 a pound) and the violet-colored French variety (which is claimed to be a seedling of Solanum Commersonii) maintained its reputation established last season at the experiment station of one of our agricultural colleges as being just about rot proof, there being but a single rotten tuber in each crop.

The crop of carrot seed in this vicinity is almost a total failure. The growers would have to receive several dollars per pound to even recover their investment. Nevertheless the price will probably be about as usual at the dictation of the general market.

SAN FRANCISCO, CAL., OCTOBER 5.

Crops of onion seed have turned out worse than we expected. While not so badly injured by mildew, the hot weather of about six weeks ago blighted a great deal of seed. It has been figured out that growers will be able to deliver on contracts as follows: red varieties, from 80 to 100 per cent; white varieties, from 40 to 90 per cent; yellow varieties, about 30 per cent. All the growers lost money on onion seed, as the yield varies from 50 to 200 pounds to the acre.

Carrot crops have turned out better, and contracts will be filled in full, and there will be some surplus. Sweet peas were badly damaged; the crop will not be over 50 per cent, and some varieties are almost total failures. Lettuce is a good crop, and the celery crop is also good, and full deliveries will be made in both. There will be a surplus of the

(Continued on next page.)

WE ARE BOOKING ORDERS NOW FOR

Asparagus Plumosus Nanus

For delivery next winter. Per ounce (700 seeds), $1.00; per pound, $14.00; per 5 pounds, $55.00; per 10 pounds, $100.00.

F. GILMAN TAYLOR SEED CO.,
GLENDALE, CALIFORNIA.

CALIFORNIA GROWN BULBS.
All Varieties. Unsurpassed.
Catalogue Free.
THE LEEDHAM BULB CO.
SANTA CRUZ. CAL.

PANSIES.
International, fine strain: **English Prize, Parisian,** finely variegated and shaded; also **Giant Trimardeau,** all colors and striped; also **Odier,** beautifully spotted.
$3.00 per 1000; **50c** per 100, by mail.
F. A BALLER, Bloomington, Ill.

TRUE STOCK.
Rocky Mountain Columbine
From the Rockies.
SEED — ¼ oz., 40c; 1 oz., $1.25; ¼ lb., $4.00 by mail.
ROOTS — 4 yr. old, doz., $1.25; 100, $8.00, by express. Order from headquarters.
THE BARTELDES SEED CO.,
DENVER, COLO.

PACIFIC SEED GROWERS' CO.
109 MARKET STREET
SAN FRANCISCO, CAL.
Specialties:
Onion, Carrot, Lettuce, Sweet Peas

STOKES STANDARD SEEDS
ARE · MONEY · MAKERS
· Write · me · your · wants ·
STOKES SEED STORE
219 Market Street
Philadelphia

early varieties in garden peas. There is also a large crop of onion bulbs for the coming season, of all the leading varieties, so that an increased acreage will be planted.

SAN FRANCISCO, CAL., OCTOBER 8.

Crops are practically all harvested but will take some three weeks yet to finish cleaning. The onion seed crop proves to be one of the poorest ever harvested. Other things, however, are fairly good.

WATERLOO, NEB., OCTOBER 3.

Sweet Corn: Good crop, but acreage less than usual.

Cucumber: Spotted. Some good crops and many poor ones. We are short on some kinds and long on a few.

Musk melon: Light crop. Are short on most kinds.

Water melon: Small acreage as most of the trade on this item has gone south. Probably enough for orders.

Squash and pumpkin: A fair crop on the whole though some kinds are short.

WATERLOO, NEB., OCTOBER 9.

Corn is in splendid condition, being free from worms and thoroughly cured. Cucumber turns out better than was expected; there will probably be half a crop. Musk melon seeds are in very good condition; there will be about half a crop. Watermelon will yield a fair crop. Squashes are promising a normal crop. Onion sets are being shipped to buyers. Everything is sold but a few hundred bushels of whites.

Solanum Commersoni.

The potato illustrated on this page is a sample of one of the varieties of Solanum Commersoni, the Urugayan potato to which reference has been made on various occasions in these columns. European growers are making strong efforts to improve its quality, as it is said to be disease proof and does well in the soils and locations which are usually considered unfit for Irish potatoes. Hasslach & Roumanille are exploiting it and this is one of the illustrations they use. The potato may be all right but it does not look it in the picture.

Grass and Clover Seed in Europe.

L. C. Nungesser, of Darmstadt, Germany, has issued the following report on grass and clover seeds, dated September 5, 1906:

The European crop of all grasses can be defined as satisfactory, so that prices are not higher, taken all round, than last year. American crops, however, are stated to have turned out less favorably, excepting orchard grass cocksfoot, which was cropped in good condition. Australia yields also a medium crop of the latter.

Agrostis stolonifera (German creeping bent grass) is a good crop of apparently good quality, prices ranging as last year. The accounts from America generally are not as favorable as for years and the prices quoted as yet are fairly high.

Aira cæspitosa (tufted hair grass) and Aira flexuosa (knotted hair grass) yield good medium crops, prices accordingly.

Avena elatior (tall meadow oat grass) also came in well, prices remaining the same.

Anthoxanthum odoratum (true sweet vernal) yields only a short crop, prices being higher than last season's whereas Puelli (annual sweet vernal) yielded well and is very cheap.

Avena flavescens (true golden oat grass) cannot yet be truly estimated.

Alopecurus pratensis (meadow foxtail). This crop has not come up to expectations and prices are exceptionally high, such as only a very short crop would warrant. Time will show whether prices can be maintained, the probability being disputed in many quarters.

Bromus inermis (awnless brome grass) and Bromus pratensis (meadow brome) also crop well and are moderate-priced.

Ceratochloa australis (Schrader's brome grass, a prairie grass) is reported to have a small crop.

Cynosurus cristatus (crested dog's-tail) is stated to have yielded well as is evidenced by the fine qualities

Solanum Commersoni.

A tuber of one of the forms which have been recently developed.

hitherto offered and it is to be assumed that this first-class grass will be more extensively sown.

Dactylis glomerata (orchard grass). As already stated America has a good crop and is in a position, for the first time for years, to export. Only a small percentage however is fit for export to Europe as the qualities generally are not sufficiently clean although the color is bright. New Zealand seed on the contrary is perfect in respect of color and purity, but the percentage of germination is somewhat below that of former years. The European crop cannot compete with the above, being too insignificant in quantity and quality.

Festuca ovina (sheep's fescue) and Festuca duriuscula (hard fescue) are lighter in crop than last year, still there will be sufficient for the demand. Qualities in many cases do not tempt and are mixed with trefoil, etc., so that first-class stock will at least command the same values as last season.

Festuca ovina angustifolia (small-leaved fescue) is a fairly satisfactory crop, but not free from other seeds, so that well cleaned qualities will not be much cheaper than last year.

Festuca rubra (red fescue) and Festuca heterophylla (various-leaved fescue) are rare and rather dear.

Festuca pratensis (meadow fescue) is stated to have yielded poorly in America and high prices are asked. As considerable stock is left over from last year, buyers will do well to be cautious.

The crop of Festuca elatior (arundinacea, a tall fescue), that excellent grass so much in demand, is reported to be plentiful and good. Prices will doubtless range lower than last season. Up to date no sales have been registered.

Holcus lanatus (wooly soft grass) is a good crop.

Poa pratensis (smooth stalked meadow grass) is a very poor crop as far as can be gathered from the reports to date and quotations are unusually high. It remains to be seen whether buyers will not hold back in the face of such high prices, especially as the seed is one pound per bushel lighter than in 1905.

Poa nemoralis (wood meadow grass) has only a medium crop of not tempting quality. First-class samples will hardly come cheaper than last year in consequence of the loss in cleaning and dressing.

Poa trivialis (rough-stalked meadow grass) has become so necessary for certain soils that it has maintained its price easily for years and it is not likely that values will vary much this year in spite of the reported good yield.

Phleum pratense (timothy) is stated to be a short crop and opening prices are much higher than usual in former years. It remains to be seen whether they can be kept up.

Phalaris arundinacea (reed Canary grass) is a small crop.

It is too early to report definitely concerning clovers generally, particularly is this the case with red clover and Alsike. The prospects in Europe are excellent for all sorts.

Bad accounts have just come to hand concerning the results of the crops of Medicago sativa (Alfalfa). The yield is said to have turned out very poorly, so that at the best the same prices as last year may be expected.

Crops up to date, such as Medicago lupulina (yellow trefoil) which yields well in choice quality, Hedysarum Onobrychis (simple sainfoin) which is far behind last year's quality and short in crop, and Trifolium repens (white clover), yielding a full crop of prime quality, will not be offered in bulk for some weeks.

Trifolium incarnatum (crimson clover) also yields well, but prices do not coincide being fairly high and I am of the opinion that more favorable quotations will rule during the winter.

Lotus villosus (greater birdsfoot trefoil) and Lotus corniculatus (common birdsfoot trefoil) yield about the same as last year and prices are expected to range equally favorable.

Rye grasses yield satisfactorily and qualities are choice.

Near to Nature's Heart.

A $75,000 automobile rolled through the $60,000 bronze gates and up the $35,000 winding avenue to the $20,000 marble steps.

Descending from the machine, the billionaire paused a moment to view the smiling $500,000 landscape.

Across the $90,000 lawn a $125,000 silver lake lay sleeping in the shades of early summer evening, and beyond it rose a lordly $80,000 hill, whose crest, cloaked with forest at an expense of $200,000, glowed in the last rays of the setting sun.

The billionaire sank luxuriously into a $2,000 ivory porch chair and rested his feet on the rosewood railing of the $160,000 veranda.

"It is pleasant," he observed, "to get back to nature once in a while. After the cares and worries of the business day I certainly love to run out to this quiet little $60,000,000 country club of ours and taste a bit of simple life. It is good to keep in touch with the soil; for what is man but dust, after all?"

Feeling restored, he passed in through the $400,000 doorway to his $1,500 dinner.—Newark News.

NEW YELLOW CALLA

(Richardia)

"MRS. ROOSEVELT."

Awarded a silver medal by the Massachusetts Horticultural Society, 19 2.

Awarded a silver medal by the Society of American Florists, Boston, 1903.

DESCRIPTION—Flowers, light clear yellow, produced very freely on long stems. Foliage, deep rich green, distinctly and freely blotched with white, making the plant very effective for banking and other forms of decorations, and more distinct and showy than Fancy Caladiums for many purposes. It does particlarly well planted outside, grows strong and flowers freely. Probably the best calla for this purpose extant. It is fine novnovelty for catalogue trade.

PRICES—1000 bulbs, $80.00; 100 bulbs, $10.00; 1 dozen bulbs, $2.00. 250 at 1000 rates; 25 at 100 rates. Electros, $1.00. We supply an electro free of charge with every order for 250 bulbs.

Bulbs ready for delivery about December 1.

V. H. HALLOCK & SON. QUEENS, NEW YORK.

PEAS.

PRIME SAMPLES. BEST STOCKS.

We can offer at low prices, F. O. B London: American Wonder, Autocrat, Consummate, Duke of York, Alaska, Dwarf Telephone, Daisy, English Wonder, Sutton's Excelsior, Sutton's Green Gem, Glory of Devor, Gradus, Ne Plus Ultra, Prince of Wales, Rentpayer, Stratagem, Senator, Stanley, Telephone, Triumph, The Gladstone, Sherwood, Thomas Laxton, William Hurst.

W. W. JOHNSON & SON, Ltd.
BOSTON, ENGLAND.

J. STAER, Nurseryman and Seedsman,

WAHROONGA, New South Wales. AUSTRALIA.

Collector of Australian and Island Seeds and Plants. Palms, Ferns, Platyceriums, Orchids, Eucalyptus, ornamental trees and shrubs.

PALM SEEDS.

	Per 1000		Per 100
Kentia Forsteriana	$1.25	Livistona Australis	.50
" Belmoreana	1.25	Bacularia Monostachya	1.50
" Canterburyana	3.00	Calamus Muelleri	1.50
" Moorei	12.00	Gymnostachys Anceps	2.00
Areca Baueri	1.00		
Seaforthia Elegans	.50		

TREE SEEDS.

Castanospermum Australe.....$5.00 per 1000
Araucaria Excelsa..... 1.25 per 1000

It is good business policy to mention
The....
AMERICAN FLORIST
When you write to an advertiser

FALL BULBS

Are selling fast. Florists and Seedsmen will do well to cover their needs now. We still have a fair supply both at Chicago and New York.

VAUGHAN'S SEED STORE

84-86 Randolph St., CHICAGO. 14 Barclay St., NEW YORK.

Greenhouses and Nurseries: Western Springs, Ill.

Please mention the American Florist when writing.

NOW READY.

EASTER LILIES

Should be potted at once, as Easter is early in the year.

Japan stocks are now arriving and are in first-class shape.

Japan Longiflorum, 9 to 10 in. bulbs, case of 200 bulbs.....$15.00
" " **Multiflorum,** 7 to 9 in. bulbs, case of 300 bulbs..... 15.00
" " " 9 to 10 in. bulbs, case of 200 bulbs..... 17.00
" " **Giganteum,** 7 to 9 in bulbs, case of 300 bulbs..... 18.75
" " " 9 to 10 in. bulbs, case of 200 bulbs..... 21.00
Lilium Candidum, selected bulbs.....$5.00 per 100

A FEW OF THE LEADING NARCISSI.

	Per 1000
Paper White Grandiflora, 13-15 cm., fine bulbs, case of 1250 bulbs	$11.25
Double Von Sion, first size	$ 9.00
" " " extra size	12.00
" " " mammoth double-nosed, or top root	20.00
Princeps, early, single fine bulbs	7.00
WHITE ROMAN HYACINTHS, 12-15 cm	$23.00
" " " 13-15 cm.	28.00
FREESIA REFRACTA ALBA, finest Bermuda bulbs	7.50

	Per 1000
Golden Spur, the favorite single yellow	$18.00
Empress, a grand bi color	20.00
Alba Plena Odorata	6.00
Barri Conspicuus	8.00
Poeticus	4.50
Poeticus Ornatus	7.00
BERMUDA BUTTERCUP OXALIS	$7.50
SPANISH IRIS, mixed	2.50
CALLAS, Exhibition Bulbs, 2-in.-2½-in. in diameter, $10.00 per 100.	

For other bulbs and for smaller quantities, see our Wholesale Price List, in which will be found a full assortment of all kinds of bulbs for winter and spring flowering. Send for list if you have not already received one.

F. R. PIERSON CO., Tarrytown-on-Hudson, N.Y.

Please mention the American Florist when writing.

This Drummer Never Shirks

It is an advertisement which works 365 days in the year, reaches your customers and gets you new customers everywhere if placed in

THE AMERICAN FLORIST.

The Nursery Trade

American Association of Nurserymen.
Orlando Harrison, Berlin, Md., President; J. W Hill, Des Moines, Ia., Vice-President; George C. Seager, Rochester, N. Y., Sec'y.
Thirty-second annual convention, Detroit, Mich., June, 1907.

THE American Civic Association opens its annual convention at Milwaukee with an elaborate programme October 24, continuing three days.
ED ?

THE fifth annual convention of the National Nut Growers' Association opens at Scranton, Miss., October 31 and continues through November 1 and 2.

HILLSBORO, ORE.—One of the largest realty deals ever made in Washington county was closed recently when the Oregon Nursery Co., for years doing business in Salem, paid out over $90,000 for farm and orchard lands three miles east of this city, involving over 900 acres of choice prairie, and all cleared.

The Coniferae.

Paper read by Geo. Vair, of the Education department grounds, Toronto, at the annual convention of the Canadian Horticultural Association at Guelph, August 29-30, 1906.

The subject before the meeting this afternoon is evergreens, or in other words, coniferæ, their utility and usefulness from a florist's standpoint. It will be very generally admitted by all present that the landscape, whether of a limited or extended form, is not complete, at least to my mind, unless said landscape is well interspersed with plenty of evergreen foliage. The expert landscape gardener is fully alive to this great essential. When laying out grounds of even a very limited extent, he has to have an eye to the placing and planting to produce the best shading effect, with the material he has to use.

The present day florist has to study this point when called upon to decorate halls, churches, drawing rooms, corridors or staircases. Considerable taste may be displayed in the grouping or banking of plants, as they are generally called at our exhibitions, in order to produce the very best shading effect with such material as he can procure.

I now come to the different species of plants which are familiar to all and which form the base line of all decorations. Palms of different varieties are, of course, essential and cannot well be dispensed with, but no matter how well disposed of, and however thrifty and well grown, they alone to my mind do not produce shade enough to make complete the artistic effect that might be produced if the many shades of green were more carefully considered. Such decorations are simply landscape gardening on a much reduced scale. The introduction of coniferæ in such grouping would, to my mind, produce very satisfactory results. I feel glad that the hard working committee of this association has, in its wisdom, allowed this matter of coniferæ to be one of the subjects taken up by this convention. Notwithstanding the truism, that we have in Canada a rather severe and erratic climate, there are many coniferæ, or evergreens, that might be used with very satisfactory results by those florists who are called upon, sometimes quite frequently, to build up such decorations, to meet the demands of the aestheticism that is fast growing among our people, more particularly the wealthy, as might be expected.

I will here enumerate, Mr. Chairman, a few of the varieties which the florist might use to considerable advantage, when called upon to perform such work. They are not costly, which of course is a great consideration to the hard working and struggling florist, they require but ordinary care, a low temperature, in fact a fuel saving plant, and can be moved with impunity in winter months. The stock can be kept up at comparatively small cost to replace those that are disposed of in the ordinary business way. The varieties here enumerated, are:

(1) Araucaria—Excelsa Cookii and Bidwillii, the latter, as most of you know, is of a very dark green shade, most effective when mixed with lighter shades of fern particularly.

(2) Taxus baccata—Fastigata and Canadensis aurea, each of these very neat in their habit.

(3) Cupressus—Pisifera aurea and obtusa aurea, both of which show up well.

(4) Cryptomeria Japonica, a well known species from Japan, and of a most graceful habit.

(5) Cupressus — Lawsoniana lutea, also Lawsoniana nana, the former dark shining primae, silvery underneath; almost indispensable.

(6) Cupressus—Pisifera filifera aurea; very delicate.

(7) Thuya — Dolobrata, dense in habit and fine shade of green.

The florist can make his own selection of any of those here enumerated as will best fill his own requirements. Flowers, or possibly I ought to say bloom, is indispensable for such decorations. But the arranging of the shades of green are also important for effect, and never should be forgotten. I am well satisfied the florist who but takes up this question and acts upon it, will have no cause in the future to regret it. A small house with abundance of light, and a mere modicum of heating surface, are all that would be required to tide over very severe weather, and besides, he can go in at any time and make his selection for the immediate requirements of the day.

The coniferæ, however, are not without their enemies. I think the well known red spider is the worst. No doubt this is caused by maintaining too high a temperature. I have seen many plants, more especially of araucaria, almost ruined by the red spider. And one thing more, they are not particular with regard to soil; strong loam will keep all going with but little care otherwise.

Toronto.

BUSINESS GOOD.

Business has been good the past week and now that the frost has cut off all the outdoor flowers, there is naturally a large scarcity. Chrysanthemums are scarce as yet and with most growers are from 10 days to two weeks behind last year. The cool weather has shortened the supply of roses and carnations and many orders are being refused for stock. Roses continue to show improvement and some really good stock is coming in. The growers have mostly increased their space and also the varieties, so with the extra Richmond, Killarney and Chatenay which are planted the outlook for large quantities of white is dubious. Killarney has taken a great hold and is much sought. Though some excellent carnations are coming in, it is too early for quantities and many shipping orders are being refused. Violets are also considerably later than last year and only a few of the select blooms are coming in. The very heavy advance on the price of palms has kept a number of the growers from stocking up and some of the houses look rather thin.

The carnation show in January will be held in City hall, President Dunlop was advised on Thursday, and he is delighted that such excellent quarters are available for the convention.

Wm. Jay & Son had the decoration for a fashionable wedding on Wednesday. The display of flowers was lavish and the bridal set larger than usual.

Good long-stemmed American Beauty is coming from Geo. Allen, of Toronto Junction.

A. Jennings on King street west, is showing an attractive window of oncidiums.

Large numbers of funeral orders have been keeping Thos. Plumb busy of late.

Visitor: A. L. Barnet, of Reed & Keller, N. Y. H. G. D.

PETER LAMBERT
TRIER, Germany.
ROSES Strong, field-grown bedding and forcing varieties. Best Novelties. FRAU K. DRUSCHKI (the best white hybrid). 2 yrs., extra large plants 40 000 for fall $80.00 per 1000. Soleil d' Or, $8.00 per 100; Teplitz, $8.00; Etoile de France, $25.00 per 100. Catalogue on application.

Climbing Clothilde Soupert, Marie Pavic, Crimson Rambler and Dorothy Perkins
ROSES
Grafted Oranges and Kin Kans, Palms, Biota Aurea Nana, Conifers and other stock for Florists and Nurserymen,
IN IMMENSE QUANTITIES.
400 acres in Nurseries. 60,000 feet of glass. Catalog on application.
P. J. BERCKMANS CO. (Inc.) Fruitland Nurseries
Established 1856. AUGUSTA, GA.

HARDY PHLOX

20 Best Commercial Sorts.

Selected from a large list of Present Day Improvements and contain all the Florists' Colors and other necessary features. Fully described in

OUR FALL LIST--Send for Copy.

Undivided Clumps ...$6.00 per 100: $55.00 per 1000
Strong Divisions..... 4 00 per 100: 35.00 per 1000

Ageratum, Stella Gurney, strong, 2¼-in., $2.00 per 100.

Heliotrope, Czar, Czarina and Picciola, large 2¼-in. plants, 4-6 in. high, $2.00 per 100.

Nathan Smith & Son, ADRIAN, MICH.

D. and C. Roses Are the cheapest because they are the best. We have in stock over 1,000 varieties on own roots including all the New European and American varieties of merit, as well as all the old varieties. All sizes from 2½-inch pots up. We can also offer 40 of the leading and newest varieties of Cannas including Mont Blanc, also miscellaneous lists of Plants and Shrubbery, at prices that will make it worth your while to send us your lists for quotations before buying elsewhere. Send for a copy of Our New Guide to Rose Culture, for 1906, a handsome book of 116 pages. Free for the asking.

The DINGEE & CONARD CO., West Grove, Pa.
Established 1850. 70 Greenhouses.

CHOICE NORTHERN GROWN
2 year in field, fine for forcing.

CRIMSON RAMBLERS,

$10.00 per 100.
HYDRANGEA PAN. GRAND., $8.00 per 100.

C. M. NIUFFER, Springfield, Ohio.

Special offer of PEONIES

For September

Florists' assortment of six choice proved kinds, named, including Queen Victoria and Delicatissima, all colors from white to crimson, for $8.00 per 100, $75.00 per 1000. Packed free.
Write for catalogue.

F. A. BALLER, Bloomington, Ill.

PEONIES.

Queen Victoria (Whitleyii), per 100....$ 9.00
Festiva Maxima, per 100..... 30.00
Fragrans, "Late Rose".....per 100, 6.00
Large stock of M. L. Rhubarb and Lucretia Dewberry Plants.
For 1000 rates and other varieties, write

GILBERT H. WILD, Sarcoxie, Mo.

——NOW IS THE TIME TO PLANT——

Herbaceous Perennials

We have a very large stock of **Phlox, Iris, Pinks, etc.**
Send for Price List.

VICK & HILL CO., P. O. box 613, ROCHESTER, N. Y.

Jacs Smits, Ltd. NAARDEN, (Holland.

GROWERS OF
Rhododendrons, Axaleas, pot grown Shrubs for forcing, Lily of the Valley, Spiræa, Paeonias, Roses, Climbing Plants, good varieties of Conifers and all ornamental stock.

Personal Inspection Cordially Invited.
R. R. Depot, NAARDEN-BUSSUM, near Amsterdam.
Price list free on demand.

PAID UP....

Subscriptions Show That Readers Like the Paper.

FALL SPECIALTIES.

DRACAENA INDIVISA. Field-grown, 5-inch pot size $15.00 per 100: 6 inch pot size, $25.00 per 100.

CHRISTMAS PEPPER. Set full of young fruit, 4-inch pots, $12.00 per 100.

PEONY. Dorchester, 3 to 6 eye divisions, latest and best paying clear pink, about shade of Daybreak carnation. $25.00 per 100.

PEONY. Queen Victoria, best cut flower, white, 3 to 6 eye divisions. $10.00 per 100: $90.00 per 1000.

BOUGAINVILLEA GLABRA SANDERIANA. Beautiful plants, bushy and nicely rounded 4-inch pot plants, $20.00 per 100.

HYBRID ROSES. Extra size Magna Charta, best possible condition for winter forcing in pots, strong 2-year field-grown, $12.00 per 100.

POINSETTIAS. 2½-inch, $4.00 per 100.

ROMAN HYACINTHS. 12 to 15, $2.20 per 100

Write for prices on large lots.
Send for Catalogue No. 5 for full list of Bulbs, Seeds and Plants.

THE STORRS & HARRISON CO.

PAINESVILLE, - OHIO.

Please mention the American Florist when writing.

HIBISCUS SYRIACUS MEEHANII

WE now offer to the trade our new hardy variegated leaf Hibiscus Syriacus Meehanii. This plant attracted much attention when exhibited at the American Nurserymen's Convention at West Baden, Ind., and American Florists' Exhibition at Asheville, N. C. Foliage beautifully variegated; never sun-scalds or reverts to the green; flowers single, very large, satiny lavender; blooms during four months; prices on application. Orders booked now.

P. J. BERCKMANS CO., Inc., Fruitland Nurseries, AUGUSTA, GA.

Please mention the American Florist when writing.

SEASONABLE STOCK FOR FLORISTS.

HYDRANGEAS FOR FORCING Otaksa and Thos. Hogg
With 7-12 flowering crowns.....$12.00 per 100
With 5-6 flowering crowns..... 9.00 per 100
With 4 flowering crowns..... 7.00 per 100
From 6-inch pots and open beds; all out-door grown.

ROSES—Strong, 2-years, field-grown, selected for forcing.

Hybrid Perpetuals.....$10.00 and $12.00 per 100
Crimson Rambler..... 9.00 per 100
Dorothy Perkins..... 7.00 per 100

And **LADY GAY,** a **new** hardy climbing rose of **exceptional merit;** ready **now,** from 2½-inch pots only. Write for prices.

JACKSON & PERKINS CO, Nurserymen and Florists. Wholesale Only, **Newark,** Wayne County, **New York.**

Please mention the American Florist when writing.

HERBACEOUS PERENNIALS

for Autumn Planting. We offer **nine hundred and sixty-seven varieties** of strong, field-grown plants.
Send for Catalog and Trade List.

BAY STATE NURSERIES, North Abington, Mass.

NOW READY **FALL LIST** 101 SORTS

Don't buy **ROSES** without

submitting your approximate want list to

THE LEEDLE FLORAL COMPANY, SPRINGFIELD-OHIO.

Please mention the American Florist when writing.

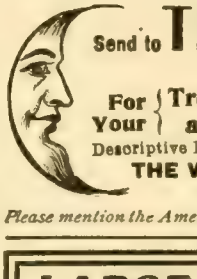
TREES AND SHRUBS.

We make especially low prices on **Nursery Stock** to Parks, Cemeteries, etc. Wholesale price-list on application. We carry immense quantities of the finest named varieties of

PEONIES.

PETERSON NURSERY 503 W. Peterson Ave. CHICAGO, ILL.

Please mention the American Florist when writing.



Send to **THE MOON Company**

For Your { **Trees, Shrubs, Vines and Small Fruits.**

Descriptive Illustrated Catalogue Free

THE WM. H. MOON CO., Morrisville, Pa.

Please mention the American Florist when writing.

LARGE TREES.

OAKS and MAPLES.
PINES and HEMLOCKS.

ANDORRA NURSERIES,
Wm. Warner Harper, Prop.
Chestnut Hill, PHILA, PA

Saves Many Times
ITS PRICE.

$2.00

Postpaid to any address.

THE AMERICAN FLORIST COMPANY'S DIRECTORY saves many times its price to every one who catalogues or circularizes the trade. Fully revised to date of publication, it puts the mail only to live names, avoiding waste of postage and printed matter, time and labor.

Contains 476 pages, lists of Florists, Seedsmen and Nurserymen of the United States and Canada by states and towns, also alphabetically; firms that issue catalogues, foreign merchants, horticultural societies and much other up-to-date information which makes it a reference book of daily utility wherever a wholesale trade is done.

Published annually by the

American Florist Co.

324 Dearborn Street, CHICAGO.

Special Values in Dreer Palms

The varieties and sizes here offered are all of excellent value and in prime condition for retailing or for decorative work. For a more complete list see our current Wholesale List.

ARECA LUTESCENS

4-in. pots, 3 plants in a pot, 15-in. high.....$3.50 per dozen; $25.00 per 100
6-in. " 3 " " " 24 to 25-in. high.....$1.00 each

COCOS WEDDELLIANA

The best, thriftiest plants of this we have ever offered.
2¼-in. pots, 5 to 6 in. high.....per doz., $1.50; per 100, $10 00; per 1000, $90.00
3-in. " 8 to 10-in. " .....per doz., 2.00; per 100, 15.00; per 1000, 140.00

KENTIA FORSTERIANA

6-in. pots, 6 leaves, 24 to 28 in. high.....$1.00 each
6-in. " 6 " 28 to 30 in. " ..... 1.25 "
6 in. " 6 " 30 to 32 in. " ..... 1.50 "
7-in. " 6 " 34 to 36 in. " ..... 2.00 "
7-in. " 6 " 36 to 40 in. " ..... 2.50 "
9-in. " 6 " 46 to 48 in. " ..... 3.50 "
7-in. tubs, 6 " 48 in. " ..... 4.00 "
12-in. " 6 to 7 leaves, 8 to 10 ft. high.....15.00 "

KENTIA FORSTERIANA—MADE UP PLANTS

9-in. pots, 4 plants in a pot, 3½ ft. high.....$4.00 each
9-in. tubs, 4 " " tub, 4 ft. high..... 5.00 "
12 in. " 4 " " " 6½ to 7 ft. high.....15.00 "
13 in. " 4 to 6 plants in a tub, 5½ to 6 ft. high, very bushy.....15.00 "

KENTIA BELMOREANA

6-in. pots, 6 leaves, 20 to 24 in. high.....$1.00 each
6-in. " 6 " 24 to 26 in. " ..... 1.25 "
6-in. " 6 to 7 leaves, 26 to 28 in. high..... 1.50 "
7 in. " 6 to 7 " 34 to 36 in. " ..... 2.50 "
9-in. tubs, 6 to 7 " 48 in. high, heavy..... 7.50 "

LATANIA BORBONICA

6-in. pots, 6 to 8 leaves, heavy plants.....$10.00 per dozen; $75.00 per 100

LIVISTONA ROTUNDIFOLIA

4-in. pots.....$4.00 per dozen; $30.00 per 100

PHOENIX CANARIENSIS

The following are all growing in light wooden tubs and are plants of good value:
2½ ft. high.....$2.00 each
3½ ft. " ..... 3.50 "
4 to 4½ ft. high..... 5.00 "
4½ to 5 ft. " ..... 6.00 "

PHOENIX ROEBELENII

Nicely characterized plants of this beautiful rare palm, which undoubtedly is destined to be one of the most popular palms of the future. 4-in pots, 10 in. high, $1.00 each; 5-in. pots, 12 in. high, $1.25 each; 8-in. pots, 18-in. high, $3.50 each.

For a complete list of seasonable decorative and other stock see our current wholesale list.

HENRY A. DREER, 714 Chestnut Street, PHILADELPHIA.

Los Angeles, Cal.

Mr. Hamilton, of East Hollywood, is building his third cucumber house. These houses are thoroughly up-to-date and he is making preparations for a good planting this season. His houses are 22x200 ft.

Wm. Badger, for several months seedsman with Chas. Winsel, has taken a similar position with Sam. H. Church, on S. Main street. Mr. Church is enlarging his place and preparing for the winter rush.

Geo. Watson, manager for J. W. Wolfskill's greenhouses, has been on a 3-month's trip in Europe; he is expected to return about October 29.

Many fine cut blooms of chrysanthemums are coming into the market now—a good many from San Francisco and vicinity.

Abert Cohn is building another glass house for growing winter vegetable plants to supply his store. S. E.

Richmond, Ind.

Ten thousand feet of glass have been used in the new greenhouse establishment of the E. G. Hill Co. on the west side of the city. The new houses are now ready for occupancy, only a few of the minor details of the work needing completion. It is the intention of the firm to move the whole plant to the west side and this will be done only as fast as the old houses on the present site are dispensed with. Mr. Hill recently stated that he thought it would probably take 10 years to complete the moving process.

Carnations will be grown in the majority of the houses during the coming season, while one house will be devoted exclusively to sweet peas for the Christmas demand.

Davenport, Ia.

The regular monthly meeting of the Tri-City Florists' Club took place on the evening of October 12 at the house of Julius Staack & Sons, of Moline, Ill. Emil Boehm, superintendent of the Davenport public park system read a very interesting paper on "The Diseases of Geraniums." The paper was followed by a general discussion of the subject. Two other subjects of vital importance were taken up: "The Autumn Planting of Trees and Shrubs," and "The Storing of Cannas during the Winter;" both of these papers brought out some fine points. As usual a goodly number were in attendance. Light refreshments were served after the informal discussion.

NOTES.

A killing frost, the first of the season, occurred on the night of October 9, and has helped business considerably. Business has been brisk the past week with hardly enough flowers to fill the orders. Chrysanthemums, however, are beginning to come in and as ever, florists have plenty of them. A shortage in cut flowers will not be looked for again for a long time.

Owing to sickness Theo. Ewoldt was unable to attend the Florists' Club this month, the first time Ted has missed a meeting for nearly a year. Mr. Ewoldt is improving and is able to look after business again.

Theo. Ewoldt and John Temple, of Davenport, will go to Dubuque, October 16 to attend the state convention of the Iowa florists. Mr. Ewoldt is vice-president of the state association. T. E.

AZALEAS For Forcing
Christmas to Easter.

Our stock this season is handsomer than ever. Anybody in want of a quantity will do well to inspect our plants before placing their order. We have only popular Ameriaan varieties: Schryveriana, Niobe, Paul Weber, Prof. Wolters, Raphael, Simon Mardner, Vervaeneana, Louis de Kerchove, Mme. Van der Cruyssen, Deutsche Perle, Dr. Moore, John Llewellyn, Mme. Cam. Van Langenhove, Mme. Jos. Vervaene, Paul de Schryver, Memorie de l' Van Houtte, Sigismund Rucker.

	Per doz.	100		Per doz.	100		Per doz.	100
8-10 in. diam....	$3.50	$25.00	14-15 in. diam...	$ 7.50	$60.00	18-20 in. diam ...	$25.00	$200.00
10-12 in. diam....	4.50	35.00	15-16 in. diam...	9.00	75 00	20-24 in. diam....	36.00	300.00
12-14 in diam....	6.00	45.00	16-18 in. diam...	12.00	90.00			

Order now and save heavy express charges: impossible to ship by freight in cold weather.

KENTIAS.

We have an immense stock of **Belmoreana** and **Forsteriana,** in all sizes, from 15 inches to 15 feet. Our $1.00, $2.00, $3.00, $4 00 and $5.00 sizes, in single and made up plants, are particularly handsome. We want the reader to see the stock we offer. Order by mail, or call and select the plants you like the most.

Araucaria Excelsa. Fine plants, at 50c, 75c, $1.00, $1.50, $2.00, $2.50 and $3.00 each' These are all perfect and good value for the money.

ASPIDISTRA, Green and Variegated. In all sizes, $1.00, $2 00 and $3.00 each.

BOXWOOD, Pyramidal.

These plants are conceded to be the finest ever imported to this country. (Exceptional value.)

2 ft.....	$ .75 each	3½ ft.....	$2.00 each	5 ft.....	$5.00 each
2½ ft.....	1.00 each	4 ft.....	3.00 each	6 ft.....	6.00 each
3 ft.....	1.50 each	4½ ft.....	4.00 each		

BUSH BOX WOOD, for window boxes, 25c, 35c and 50c each.

BAY TREES. We have a large number in all sizes. Ask for prices.

We are pleased at all times to receive visitors at our nurseries. We have 100 acres planted with the most interesting nursery stock in the country. **SEE WHOLESALE CATALOGUE.**

BOBBINK & ATKINS, Nurserymen and Florists, Rutherford, N. J.

Utica, N. Y.

CARNATIONS SCARCE.

A marked feature of the business during the past two weeks has been the scarcity of carnations. The growers claim they are cutting more than usual but for each 100 that is cut there is about an average of three buyers after them. In another week the growers will be cutting some good chrysanthemums which will relieve the market of its present scarcity and give the retailers a little more variety. Roses of good quality are plentiful.

NOTES.

The October meeting of the Florists' Club was held at the store of Spencer & Martin. It was decided to hold the winter meetings at the homes or business places of the members, which from the beginning has been a great success, giving the members an opportunity of seeing and discussing the good points of each grower. The next meeting will be held at the home of Wm. Pfiefer November 6.

Peter Crowe has completed the additions to his fern houses and has just installed a new 80 H. P. boiler. Everything is in good working order at this place. Adiantum Croweanum bids fair to hold its record as the best maidenhair on the market.

Wm. Pfiefer has about 10,000 carnation plants which are in fine shape. Mr. Pfiefer has a large crop on now and bids fair for another as soon as chrysanthemums are gone.

Frank McGowan has repiped his houses throughout. He now has a first class steam system. Carnations and chrysanthemums at this place rank among the best to be found in the city.

Geo. Benedict is cutting some very fine American Beauty, Liberty and Richmond roses. He has no trouble finding a market for them.

Chas. F. Seitzer has discarded roses and has his houses filled with carnations. His Enchantress is of exceptionally fine quality.

Although business in general is fine there has been a noticeable but unaccountable drop in the sale of bulbs.

BUD.

Rochester, N. Y.

Asters were in great demand for September 23 for the ceremony of the blessing of graves and brought good money.

Thos. Cogger, at 41 North street, has bought 16 acres of land and two greenhouses in Irondequoit. He overhauled the greenhouses and put in a new No. 4 Duning boiler. One house is for carnations, the other for flowering plants.

Geo. Hart has moved to larger quarters. His business is on the increase. Good luck for hustling George. Florists here find a commission house a handy thing all times of the year.

MONTREAL, QUE., CAN.—The first autumnal flower exhibition under the auspices of the Westmount Horticultural Association was held in Victoria hall, September 7, and was well attended. The judges were C. A. Smith, of Lachine, and Joseph Bennett and John Walsh, of this city.

WATCH US GROW.

Araucaria Excelsa

The Best of All Decorative Plants Nature Produces

OUR SPECIALTY.

Every man in business and life to be successful must adopt one thing as his specialty, and that specialty, whatever he select, of whatever nature it may be, he must guard, study and push to such an extent that it not only benefits himself, but he must conduct it so that everyone who seeks his aid, service or his article, which he advertises or practices, will share a slice of his activity and prosperity. I made the importation and cultivation of Araucarias as a special study in my life. The figures below will show my success in business: In the first year I commenced with an importation of 250. In the eleventh year now, 1906, my importations have grown up to 6,000 (come and see it), and on account of the Araucaria growing yearly more in favor by the plant consuming people all over the country, as a much admired decorative plant for the parlor, bed, dining and sitting room, stores, hotels, lawns and porches the outlook will be for an importation at least of 8,000 to 10,000 in spring of 1907. To secure this vast amount for 1907, I am now on the ocean, per steamer New Amsterdam, leaving Hoboken Aug. 15, striking for Belgium, making contract for next year, 1907. I also shall at the same time bring over with me a large lot of choice Azalea Indica and Palms, etc., for Christmas and Easter flowering. No money will be spared in obtaining for my customers the cream of the Belgium greenhouses only.

Please note lowest prices now going on for August and September:

Araucaria Excelsa.

12 to 14 in. high, 5½-in. pots, 3 to 4 trs., 2 yr. old.$ .50
12 to 14 in. high, 5½-in. pots, 3 to 4 trs., 2 yr. old. .60
16 to 18 in. high, 5½ to 6 in. pots, 3 to 4 trs., 3 yr. old ..... .75
18 to 20 in. high, 6-in. pots, 5 to 6 trs., 4 yr. old,. 1.00
20 to 24 in. high, 6-in. pots 5 to 6 trs., 4 yr. old.. 1.25
36 to 50 in. specimen, 7-in pots, 6 yr. old, $2.50 to 3.00

Araucaria Compacta Robusta, have 1000 of them, never were so nice as this year. Plants are as broad as long, from 12 to 20 in. in height, 3 to 4 perfect tiers, 20 to 30 in. wide across from one tip of tiers to the other, 3, 4 and 5 years old, 6 to 7-in. pots $1.25, $1.50, $1.75, $2.00, up to $3.00 each.

Araucaria Excelsa Glauca, are perfect jewels in shape and size; their beautiful green-blue tiers make them of such a striking appearance that everybody seeing them must fall in love with them on sight, and cannot help it. Plants, 6 to 7 in. pots, 3, 4 and 5 perfect tiers, 15 to 25 in. in height, from 15 to 30 in. across, $1.25 $1.50, $1.75, $2.00 to $2 50 each.

Please bear in mind these mentioned varieties are the cream of Belgium importations. We have thousands of them; can meet all demands.

Kentia Forsteriana, 6-in. pots, 35 to 40 in. high, 5 to 6 leaves, 4 years old, $1.25 to $1.50; 30 to 35 in. high, 4 years old, 6 in. pots, $1.00; 5½-in. pots, 25 to 30 in. high, 3 years old, 75c; 4-in. pots, made up with three plants, 18 to 20 in. high, 25 to 30c. **Belmoreana,** 6 in. pots, 4 years old, 5 to 6 leaves, bushy, 30 to 35 in. high, $1.25; 5½ to 6 in. pots, 3 years old, 5 to 6 leaves, 75c to $1.00 each. Above are the sizes entered in the custom house. **Kentia Forsteriana,** 7-in. pots, made up plants, on elarge in center, three smaller sizes, about 22 to 24 in. high, price $2.00 each.

OUR LITTLE PETS.

By Aschmann, in Philadelphia, I bought
An Araucaria, a pet for our little girl—
Now we have two pets, the pride of our thought,
The little girl so sweet a head full of curls,
And the Araucaria with their everlasting green—
A more joyful home you never have seen.

Nephrolepis Barrowsii, 6-in., large, ready for 7-8 in. 50c; 4-in., large, 25c.

Nephrolepis Scottii, 6-in. pots, large, ready for 7-8 in., 50c; 5½-in., 40c; 5-in., 35c; 4-in., 20c to 25c.

Boston Ferns, 4-in., 20c to 25c; have them by the 1000.

Asparagus Plumosus Nanus, 4-in. 10c.

Chinese Primroses, in 4-in pots, ready to shift into 5-in. pots, will bloom for Christmas, $8.00 per 100.

Cocos Weddelliana, 15c.

Areca Lutescens, made-up plants, 4-inch pots, 25c.

Ficus Elastica, Belgian importation, 6-in. pots, 50c each.

Ferns. A fine assortment of Ferns for dishes, large, bushy, out of 2½-inch pots, $5.00 per 100; 3-inch, 7c each.

All goods must travel at purchaser's risk. Cash with order, please.

GODFREY ASCHMANN, Importer and Wholesale Grower of Pot Plants, 1012 Ontario St., PHILADELPHIA, PA.

GOOD FERNS CHEAP

	Per 100
BOSTONS, strong runners	$ 2.00
" from 6-in. pots	40.00
" from 7-in. pots	60.00
" from 8-in. pots	75.00
" from 10-in. pots	$1.50 each
WHITMANI, strong young plants, from bench, $10.00 per 100.	

	Per 100
PIERSONI, from 6-in pots	$40.00
" from 7-in. pots	60.00
SCOTTII, from 6-in. pots	40.00
" from 7-in. pots	60.00
ELEGANTISSIMA, strong, 2½-in..	5.00

DAVIS BROS., Morrison, Ill.

We Will Cut 20,000 Cattleya Labiata

Flowers, also plants in bloom, all at the lowest market prices.

Siebrecht & Son,
ROSEHILL NURSERIES,
NEW ROCHELLE, N. Y.

PANSIES.

Brown's Extra Select Superb Giant Prize Pansies.

Awarded silver medal St. Louis Exposition, 1904.

Plants, mixed colors, in any quantity, $3.00 per 1000. Cash with order.

PETER BROWN,
LANCASTER, PA.

Always mention the American Florist when you order stock.

Palms, Ferns, Etc.

WHOLESALE PRICE LIST.

Hydrangea Otaksa, field grown, $1.50 and $2.00 per doz.

	In.	Tiers.	Ea.	Doz.	100
Araucaria Excelsa	4	2 to 3	$0.35	$4.00	
" "	5	3	.75	9.00	
" "	6	3 to 4	1.00	12.00	
Asparagus Plumosus	2				$3.00
" "	3				6.00
Asparagus Sprengeri	2				3.00
" "	3				6.00
" "	4			1.50	
" "	5			2.00	

Asparagus Scandens Deflexus, a beautiful green for wedding and funeral work, 3-in. pots at $1.50 per doz.; 4-in. pots at $2.00 per doz.

Boston Ferns, 4-in. pots, $1.50 per doz.; 5 in. pots, $3.00 per doz.; 6-in. pots, $4.20 per doz; 6-in. pots, strong, $6.00 per doz.; 7-in. pots, $9.00 per doz. Larger specimens, $1.50, $2.00 and $3.00 each.

Scottii Ferns, 10-in. pots, $2.00 each.

Assorted Ferns for dishes, $3.00 per 100; $25.00 per 1000. We have a large lot to offer in best varieties.

Fern Balls, 7 to 9. Dormant or in leaf, $4.20 per doz.

Dracaena Fragrans, 5-inch pots, 50c each; $5.00 per doz. 6-in. pots, 75c each; $9.00 per doz

Dracaena Indivisa, 2-inch pots, $2.50 per 100; 6-inch pots, 20 to 26 inches high, 50c each; $5.00 per doz.; 7-inch pots, 30 to 34 inches high, 75c each; $9.00 per doz.

Dracaena Massangeana, 8-inch pots, $2.00 each. " " " beautiful specimens, 9-inch pots, $3.00 each.

Maranta Lietzii, 2¼-in., $1.00 per doz.

Pandanus Veitchii, 6-in. ..... per doz., $12.00
" **Utiles,** 3-in. ..... per doz., 1.50
" " 4-in. ..... per doz., 3.00
" " 5-in. ..... per doz., 5.00

Cocos, for dishes, 2½-inch, $1.50 to $1.75 per doz.

Cocos Bonetti, large specimens, $40.00 each.

	In.	Each	Doz.
Kentia Belmoreana	3		$ 2.00
" "	6	$1.00	12.00
" "	6 xx	1.25	15.00
Kentia Forsteriana	5	.60	7.20
" "	6	1.25	15.00
" "	7	2.00	24.00

Phoenix Canariensis, 2-in. ..... per doz., 1.00
" " 5-in. ..... per doz., 5.00
" " fine bushy plants, 10-in. pots, $3.00 each. Large specimens.

Phoenix Reclinata, 3½-in. ..... per doz., $2.00
" " 4-in. ..... per doz., 3.00
" " 6-in., 50c each; per doz., 6.00
" " 7-in., 75c each.

Selaginella Denticulata, 3-in., per doz., $1.00.

The Geo. Wittbold Co.

1657 BUCKINGHAM PLACE, CHICAGO.

Please mention the American Florist when writing

Will Sell Cheap

50,000 Canna Roots

Mostly Alphonse Bouvier.

Also 10,000 **Boston Ferns** in 4-inch and 5-inch pots, Send for prices.

JOHN WOLF, Ott and Anderson Sts., SAVANNAH, GA.

DAHLIAS.

Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring.

DAVID HERBERT & SON,
Successors to L. K. Peacock, Inc., ATCO, N. J.

LUDVIG MOSBAEK

Onarga, Ill.

SPECIAL:—To October 15, ten per cent off for strictly cash with order for plants in this list, to make room for bedding plants.

	Per 1000	100	Doz.
AGERATUM, Little Blue Star, new, very dwarf, 2¼-in.		$2.00	$ .35
ACHYRANTHES, 3 in., per 100, $5.00; 2-in.		2.00	
ASPARAGUS, Plumosus Nanus, from 4½-inch pots		10.00	1.35
ASPARAGUS, Plumosus Nanus and **Sprengeri,** from 4-inch pots	$75.00	8.00	1.10
Same from 3-inch pots	45.00	5.00	.65
Same from 2¼-inch pots	22.50	2.50	.35
COLEUS, in var., strong 3-in. for stock		5.00	
FERNS, Boston and **Piersoni,** from 10-inch pans, each, $2.00			20.00
" " " from 8-inch pans, each, 1.00			10.00
FERNS, Boston and **Piersoni, Anna Foster** and **Sword,** all pot-grown, 6-inch		40.00	5.00
4-inch	125.00	15.00	2.00
3-inch	75.00	8.00	1.00
2¼-inch	30.00	3.50	.50

I have also a few thousand **Bench-grown Ferns** for 4-5-6-inch pots. Prices on application as long as they last.

FERNS, Piersoni Elegantissima. Of this I have a very fine lot from 4-inch pots		30.00	4.00
3-inch pots	125.00	15.00	2.00
2¼-inch pots	70.00	8.00	1.25
		Per 1000	100
DRACAENA Indivisa, 4-inch, $8.00; 3-inch, 5.00; 2¼-inch			$2.50
PALMS, for growing on; we want to clear them out at a special bargain.			
" **Kentia,** from 3-inch pots			7.00
" **Phoenix Canariensis,** from 4-inch pots			10.00
ROSES, Brides and **Maids.** A surplus of a couple of thousand in 3-inch pots, partly in bloom, fine plants, need shift or bench			4.00
SANSEVIERIA, Zeylanica Var., 4-inch to 5-inch, $15.00; 3-inch			8.00
GERANIUMS, 3-inch, $5.00 per 100; 2¼-inch		$20.00	2.50
ALTERNANTHERA, R. C., 4 varieties		4.00	
VERBENA, Ellen Wilmette, bright carmine pink, new, 2-in		2.00	

CANNA SURPLUS,

in following var., 2 to 3 eyes, for Fall delivery.

Full line of standard and new var. Descriptive list mailed free.

Bronze leaved, Discolor, for foliage	7.50	1.00
" " **Robusta,** for foliage	6.00	.80
Burbank, yellow flowers	6.00	.80
Chas. Henderson, red flowers	10.00	1.25
Allemania, variegated red and yellow flowers	7.50	1.00
Tall Florence Vaughan, var. red and yellow	10.00	1.25
L. Patry, pink flowers	10.00	1.25
My selection of above and other named varieties, per 10,000 $60.00		
Bronze leaved, mixed	5.00	.70
Yellow shades, mixed	5.00	.70
Red Shades, mixed	5.00	.70
All Shades, mixed	4.50	.60
All Shades, separate, per 10,000 $45.00		

Surplus of Hardy Herbaceous Perennials.

Transplanted and seedlings. List mailed free.

	Per 100	Doz.
Achillea, The Pearl; **Aquilegia,** in var.; **Campanula,** in var.; **Coreopsis; Dianthus** Plumarius; **Foxglove; Forget-me-not; Chrysanthemums,** in 30 var.; **Shasta Daisy; Sweet William,** and many others	$1.00	$0.15
Oriental Poppy, in var.; **Monarda** Didyma, and many others	1.50	.20

List of **FIELD-GROWN PERENNIALS** mailed free.

CARNATIONS.

Strong, Healthy, Field-Grown Plants.

BOSTON MARKET, per 100, $3.00; per 1000, $25.00

NELSON, pink, per 100, $3.00; per 1000, $25.00

PETER REINBERG,

51 Wabash Ave., CHICAGO.

Trade Directory

FLORISTS, SEEDSMEN, NURSERYMEN, Etc.

2.00 Postpaid
AMERICAN FLORIST CO.
224 Dearborn St., CHICAGO.

Meetings of Florists' Clubs.

[Secretaries of clubs and societies are requested to send notice of change in date, time and place of meeting.]

BALTIMORE, MD.—Gardeners' Club of Baltimore, Royal Arcanum building, 18 W. Saratoga street. Second and fourth Monday of each month, at 8 p. m. John J. Perry, Secretary, 505 N. Eutaw street.

BOSTON, MASS.—Gardeners' and Florists' Club of Boston, Horticultural Hall. Meets third Tuesday of each month, September to June inclusive. W. N. Craig, Secretary, North Easton, Mass.

BUFFALO, N Y.—Buffalo Florists' Club, 383 Ellicott street. Second Tuesday of each month, at 8 p. m. William Legg, Secretary, 1440 Delaware avenue, Buffalo.

BUTTE, MONT.—Montana Florists' Club, Columbia Gardens. Second Friday in each month. S. Hansen, Secretary, W. Galena and Excelsior street.

CHICAGO.—Chicago Florists' Club, Handel Hall, 40 Randolph street. Second Thursday of each month, at 8 p. m. Louis Winterson, Secretary, 45 Wabash ave., Chicago.

CHICAGO.—Gardeners' and Florists' Union No. 10615, 10 and 12 Clark Street. Second and fourth Wednesdays of each month A. Vanderpoel, Secretary, 1262 S. Ridgeway Ave., Chicago.

CINCINNATI, O.—Cincinnati Florists' Society, Jabez Elliott Flower Market. Second Saturday of each month, at 8 p.m. George Murphy, Secretary, Sta. F, Cincinnati, O.

CLEVELAND, O.—Cleveland Florists' Club, Progress Hall, 244 Detroit street. Second and fourth Monday of each month, at 7:30 p. m. Isaac Kennedy, Secretary, West Park, Ohio.

DAVENPORT, IA.—Tri-City Florists' Club, meets in Davenport, Rock Island and Moline, alternately, second Thursday of each month. H. Meyer, Rock Island, Ill., Secretary.

DAYTON, O.—Dayton Florists' Club, 112 South Main street. Every Monday, Horace M. Frank, 112 South Main street, Secretary.

DENVER, COLO.—Denver Floral Club, 323 Charles Block. Second and fourth Friday of each month, at 8 p. m. Adam Balmer, Secretary.

DES MOINES, IA.—Des Moines Florists' Club, Iowa Seed Company's store, first and third Tuesday of each month, at 8 p m. William Trillow, Secretary, Thirtieth and Kingman Avenue.

DETROIT, MICH.—Detroit Florists' Club, 40 Miami avenue. First and third Wednesday of each month, at 8 p. m. J. F. Sullivan, Secretary, 214 Woodward avenue.

GRAND RAPIDS, MICH.—Grand Rapids Florists' Club, Board of Trade rooms, Pearl street. Fourth Monday of each month. N. B. Stover, Secretary, Grandville, Mich.

HAMILTON, ONT.—Hamilton Gardeners' and Florists' Club, offices of members. First and third Tuesday of each month, at 8 p. m. Charles M. Webster, Secretary.

HARTFORD, CONN.—Hartford Florists' Club. Second and fourth Friday of each month, at 8 p.m. Alex. Cummings, Secretary, Hartford.

INDIANAPOLIS, IND.—State Florists' Association of Indiana, Commercial Club rooms, Indianapolis. First Tuesday of each month, at 7:30 p. m. Fred Huckriede, Secretary, Indianapolis.

LAKE FOREST, ILL.—The Horticultural Society of Lake Forest, Winter Club. First Tuesday of each month, at 8 p. m. G. L. Blanchard, Secretary, Lake Forest, Ill.

LAKE GENEVA, WIS.—Lake Geneva Gardeners' and Foremen's Association, first and third Saturday of each month, at 8 p. m., at News building. Henry Tolman, Secretary.

LOUISVILLE, KY.—The Kentucky Society of Florists. First Tuesday of each month, at 8 p. m. Fred L. Schulz, Secretary, 1325 Cherokee road, Louisville.

MADISON, N. J.—Morris County Gardeners' and Florists' Society, Masonic Hall. Second Wednesday of each month, at 7:30 p. m., in winter. S. Redstone, Secretary.

MILWAUKEE, WIS.—Milwaukee Florists' Club. Meets first Thursday of each month at 8 p. m., in Quiet House, corner Broadway and Mason street. Curt Dallwig, Secretary, 34 Juneau Avenue

MINNEAPOLIS, MINN.—Minneapolis Florists' Club, Latham's Conservatory, 83 S. Tenth street. First Friday of each month, at 8 p. m R. A. Latham, Secretary.

MONTREAL, QUE.—Montreal Gardeners' and Florists' Club, Alexandria rooms, 2204 St. Catherine street. First and third Monday of each month. W. H Horobin, Secretary, 23 Closse street.

NEW BEDFORD, MASS.—New Bedford Florists' Club. Second Thursday of each month. William P. Pierce, Secretary.

NEW LONDON, CONN.—New London County Horticultural Society, Elks' Hall. Second and fourth Wednesday of each month. B. M. Lindsley, Sec 843 Ocean Ave., New London, Conn.

NEW ORLEANS, LA.—Gardeners' Mutual Protective Association. 144 Exchange alley. Second Sunday of each month, at 2 p.m. John Parr, Secretary, 4539 North Rampart.

NEW ORLEANS, LA.—German Gardeners' Club, 624 Common street. First Wednesday of each month, at 8 p. m. Martin Gaillot, Sec'y.

NEW ORLEANS, LA.—New Orleans Horticultural Society, 125 St. Charles street. Third Thursday of each month, at 8 p. m. C. R. Panter, Secretary, Calhoun and Robertson streets.

NEWPORT, R. I.—Newport Horticultural Society. First and third Wednesdays of each month. David McIntosh, Secretary.

NEW YORK, N. Y.—New York Florists' Club, Grand Opera House Building, 8th avenue and 23d street. Second Monday of each month, at 7:30 p.m. John Young, Secretary, 51 West Twenty-eighth street, New York.

NEW YORK.—Horticultural Society of New York at American Institute rooms. Second Wednesday of each month, at 8 p. m. May and June, at 3 p. m., at Botanical Garden. Leonard Barron, Secretary, 306 W. 149th street, New York.

OMAHA, NEB.—Nebraska Florists' Society, City Hall Second Thursday in each month, at 8 p. m. Louis Henderson, Secretary, 1519 Farnam street, Omaha.

PASADENA, CAL.—Pasadena Gardeners' Association G A. R. Hall, East Colorado Street. First and third Friday of each month, at 8 p. m. H. E. George, Secretary

PHILADELPHIA, PA.—Florists' Club of Philadelphia, Horticultural Hall. Broad street, above Spruce. First Tuesday of each month, at 8 p m. Edwin Lonsdale, Secretary, Wyndmoor, Philadelphia.

PITTSBURG, PA.—Pittsburg and Allegheny Florists' and Gardeners' Club 422 Sixth avenue. First Tuesday of each month, at 8 p. m. H. P. Joslin, Secretary, Ben Avon, Pa.

PROVIDENCE, R. I.—Florists' and Gardeners' Club of Rhode Island. 96 Westminster street. Third Monday of each month at 8 p. m. Wm. E. Chappel, Secretary, 333 Branch avenue, Providence.

RICHMOND, IND.—Richmond Florists' Club. at the greenhouses of members. Third Monday of each month. H. C. Chessman. Secretary.

SALT LAKE CITY, UTAH.—Salt Lake Florists' Club, Huddart Floral Co., 114 East Second South Street. First and third Tuesdays of each month. Chas. Butchart, Box 336, Secretary.

SAN FRANCISCO, CAL.—Pacific Coast Horticultural Society. First and third Saturday of each month. Thomas H. Munroe. Secretary.

SCRANTON, PA.—Scranton Florists' Club. Guernsey building. Third Friday of each month, at 7:30 p. m. T B. McClintock, Secretary.

SEATTLE, WASH.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street. First and third Tuesdays of each month. A. Balmer, Secretary, 316 Taylor avenue, Seattle.

ST. LOUIS, MO.—St. Louis Florists' Club, Grand and Shenandoah Streets Second Thursday of each month, at 2 p. m. Emil Schray, Secretary, 4101 Pennsylvania avenue, St. Louis.

ST. LOUIS, MO.—Plant and Cut Flower Growers' Association. Third Wednesday of each month, at 3 p. m. E. H. Michel, Secretary, Magnolia and Flower Grove avenues, St. Louis.

TORONTO, ONT.—Toronto Gardeners' and Florists' Association, St. George's Hall, Elm street. Third Tuesday of each month, at 8 p. m. E. F. Collins, Secretary, 2 Hurst place, Toronto.

UTICA, N. Y.—Utica Florists' Club. Hotel Martin. First Thursday of each month, at 8 p. m. J. C. Spencer, Secretary.

WASHINGTON, D. C.—Florists' Club of Washington, Scottish Rite hall 1007 G street, N. W. First Tuesday in each month, at 8 p. m. Chas. McCauley, Secretary, 18th & Kearney streets, N. E.

To A Geranium.

Geranium, beauteous with the glow of many blooms in one,
Flower most beloved that in my garden grows,
Redder than heart's blood, thy day has just begun
When it is saddened by the dying rose,
And brilliancy left o'er from summer's noon,
Is still thine own when first the aster wakes.

Full many a fickle, fragile blossom, in the boon
Of one rare breath of fleeting fragrance breaks,
Then vanishes; but thou, from glad June's jubilee
Until the autumn whispers of the end,
In soft bestowal of thy spiced perfume, art constancy,
Oh, flower of all that blow, the truest friend! —Boston American.

A HOLLY WREATH FOR HOLIDAY CIRCULARS AND ADVERTISING : : : :

Plates for printing this fine Holly Wreath in two colors—green leaves and red berries and ribbon—$5.00 per set of two plates.
Smaller size, 2x2½ inches, $3.00 per set of two plates.
Plate of above sizes for one color, $2.70. The smaller size, one color, $1.50.

Cash with order.

American Florist Company,
324 Dearborn Street, CHICAGO.

Field-Grown Carnations.

EXTRA STRONG, CLEAN, BUSHY PLANTS.

	Per 100		Per 100
300 Lawson	$4.00	100 L. Bountiful	$5.00
800 Marquis, v. large	4.00	300 G. Lord	4.00
225 Gov. Wolcott	4.00	300 Bradt	4.00
100 Flora Hill	4.00	250 Joost, v. large	4.00

1000 **Smilax,** 2-in. sheared 1.00

Primula Obconica Grandiflora, Alba, Carnea and **Fimbriata, Primula Chinensis Fimbriata,** mixed, most delicate, strong plants, 3-inch, ready for 4-inch, $3.00 per 100.

E. HAENTZE

Fond du Lac, Wis.

Please mention the American Florist when writing.

PRIMROSES.

Obconica Alba and Rosea, $2.00 per 100; $18.00 per 1000.

ASPARAGUS. Per 100

Plumosus Nanus, 2¼-in. pots, $18.00 per 1000 .. $2.00
VINCA VAR., from field 5.00
CANNAS, 5 varieties, field-grown clumps 10.00
PANSY PLANTS, large flowering, $3.00 per 1000; .50

—— CASH ——

JOS. H. CUNNINGHAM, Delaware, O.

Please mention the American Florist when writing.

Le Journal des Roses.

Organ of the French Rosarians.

Published at Paris. Once a month with colored plates.

Subscription $2.70 per Year. Sample Copies Free.

ADMINISTRATION DU SUISNES **JOURNAL DES ROSES**

a SUISNES, Brie

a Grisy-Suisnes. (Seine et M FRANCE.

Please mention the American Florist when writing.

A GOOD IDEA

To get plants in before cold weather. Also order blooming stock for Christmas, such as

Christmas Peppers. Chinese Primroses. Primula Obconica, Cyclamen, etc.

Finest lot of **Piersoni** and other Ferns. Send for list of anything you want.

GEO. A. KUHL, Pekin, Ill.

Please mention the American Florist when writing.

LARGEST STOCK OF ALL

Belgian Plants.

AZALEAS, ARAUCARIAS, SWEET BAYS, PALMS, BEGONIAS, GLOXINIAS, ETC.

Louis Van Houtte Pere,

GHENT, BELGIUM.

Please mention the American Florist when writing.

CHRYSANTHEMUMS.

STOCK PLANTS.

	Per doz.		Per doz.
Monrovia	$ .75	Clementine Touset	$1.00
Rosiere	1.50	October Frost	1 50

ELI CROSS, Grand Rapids, Mich.

Please mention the American Florist when writing.

...CARNATIONS...

Bargain rates to sell before freezing. 3,000 Norway, $3.00 per 100: Lawson and Boston Market, $4.50. Very strong and fine.

Smilax, extra good, 3-in., $3.00; 2¼-in., $2.00.
Asparagus Plumosus, 2¼-in., $3.00; 3-in., $5.00.
Boston Ferns, 5-in., $25.00. Specimens, 75c and $1.00.
ROSES, strong, 3-in., Bride and Maid, $4; 2¼-in., $2.

W. H. GULLETT & SONS, Lincoln, Ill.

Please mention the American Florist when writing.

PALMS, FERNS and DECORATIVE PLANTS

ARAUCARIA EXCELSA.

(Norfolk Island Pine.)

We have a large quantity of these popular Christmas plants. All are perfect, well shaped plants, and will give good satisfaction.

Size pot.	Height	Whorls	Each	Doz.
6-in	18 in.	4	$1.25	$15.00
7-in	22 in.	5	1.50	18.00

ARAUCARIA EXCELSA GLAUCA.

Size pot.	Height	Whorls	Each	Doz.
5-in	12 in.	3	$1.00	$12.00
6-in	13 to 15 in.	3 to 4	1.25	15.00
7-in	18 to 20 in.	4 to 5	1.50	18.00
7-in	22 to 24 in.	4 to 5	2.00	24.00
9-in., fine specimens	30 in.	4 to 5	3.00	....
9-in., fine specimens	34 in.	5	4.00	....

ARAUCARIA ROBUSTA COMPACTA.

Size pot.	Height	Whorls	Each	Doz
5-in	10 in.	2	$1.00	$12.00
6-in	12 in.	3	1.50	18.00
7-in., fine specimens	28 in.	5	3.00	....
8-in., fine specimens	32 in.	5 to 6	4.00	....

ASPARAGUS PLUMOSUS NANUS.

We Are Headquarters.

	Per 100	Per 1000
2-in pots, strong, ready for a shift	$3.00	$25.00
2½-in. pots, strong, ready for a shift	4.00	40.00
3-in. pots, strong, ready for a shift	7.00	65.00
Strong Seedings	1.50	12.00

BOSTON FERNS.

Nephrolepis Exaltata Bostoniensis.

We have the finest stock in the west. All our plants are pot-grown, bushy stock, well furnished with fronds from the pot up, and cannot be compared with the cheap, long-drawn-up lifted stock from the bench. A sample shipment will convince you of our superior stock. Stock ready now.

	Each	Per doz.	Per 100
2½-in pot plants		$ 0.60	$ 5.00
3-in. pot plants		1.50	10.00
4-in. pot plants		2.50	20.00
5-in. pot plants	$ .50	5.00	40.00
6-in. pans plants	.75	8.00	60.00
7-in. pans plants	1.00	10.00	75.00
8-in. pans plants	1.00	15.00	....
9-in. pans plants	$2.00 to $2 50	....	....
10-in. pans plants	3.00 to 3.50	....	....
12-in. pans plants	4.00 to 5.00	....	....

ASSORTED FERNS FOR FERN DISHES.

We have a very large stock of all the best Pteris Ferns, 2¼-in. pots, strong and bushy assorted, per 100, $3.00; per 1000, $25.00.

CELESTIAL OR XMAS PEPPERS.

One of the very best of Christmas plants.	Per doz.	Per 10
Strong plants, 4 in. pots	$1.25	$10.0
Strong plants, 5-in. pots	2.00	15.0

FICUS ELASTICA. (Rubber Plant).

5-inch pots, 12 to 14 in. high ..... $5.00 per doz.; $40.00 per 100

RICHMOND ROSES.

3-in. pots strong	8.00 per 100;	75.00 per 1000
4-in. pots, strong	12.00 per 100;	100.00 per 1000

KILLARNEY, strong.

Strong, 3-in. stock	$ 8.00 per 100;	$ 75.00 per 1000
4-in.	12.00 per 100;	100.00 per 1000

PAEONIES FOR OCTOBER PLANTING. We have the best kinds of our own growing, all true to name. Send for complete list.

PERENNIALS FOR FALL PLANTING. Our stock is large and consists of all the best sorts. Send for special list.

VAUGHAN'S SEED STORE,

84-86 Randolph St., CHICAGO. 14 Barclay St., NEW YORK.

Greenhouses and Nurseries: Western Springs, Ill.

Asparagus Plumosus.

Exceptionally fine stock from 3-in. pots, $5.00 per 100.

Asparagus Sprengeri,

From 3½-in. pots, $6.00 per 100.

Write for price on large lots.

SCHARFF BROS.,

Van Wert, Ohio.

Queen Beatrice Rose.

Four to one shot. Four times as many flowers as Maid.

F. H. KRAMER, 916 F St., WASHINGTON, D. C

ANTON SCHULTHEIS,

—— GROWER OF ——

PALMS, FERNS and DECORATIVE PLANTS.

Grand Stock. Orders Filled Promptly.

19th St. & 4th Ave., COLLEGE POINT, L. I., N. Y.

IT PAYS

To Tell the Advertiser..... Where You Saw His Advertisement

Omaha.

BUSINESS BRISK.

A lot of funeral designs were made the last two weeks and all the stock sold out well. Roses are more plentiful than carnations. Stock is fine, especially American Beauty roses.

NOTES.

October 1 was one of the busiest days for the florists. Four of our leading concerns had openings and strange to say all moved into new buildings. More than $1,000 worth of flowers were used, American Beauty taking the lead. One store was presented by their employes with a six-foot horse-shoe made by Hess & Swoboda. A. Donaghue made one of five feet, S. B. Stewart one of five feet, Peterson Bros. one four feet 6 inches, and others from two to three feet. It looked more like a flower show. Good workmanship could be noticed in the floral designs. One six-foot basket of American Beauty roses made by Hess & Swoboda and one by Peterson Bros. were very much admired by visitors.

Last week we had our fall festival which always brings thousands of visitors to the city and creates business, the florists getting their share. L. Henderson had to decorate the hall for the dance which is generally the wind-up of the festivals.

The Omaha Florists' Club held its annual election September 13. The old officers were re-elected by acclamation: J. J. Hess, president, S. Faulkner, vice-president, L. Henderson, secretary, G. Swoboda, treasurer. GRIPPE.

Santa Barbara, Cal.

P. Reidel has leased Robt. Armstrong's place at Montecito where he has about 1,000 feet of glass. Mr. Reidel does considerable landscape business and grows largely to supply material for this. He also has about 12,000 kentias, and grows cut flowers for local retailers.

Dr. F. Franceschi is always importing and experimenting with new plants and has on his new place quite an assortment of rare plants, in fact one of the most complete botanical gardens in southern California.

Verhelle & Lejeune have a nice place on the main street and grow besides a general stock many kentias and ferns.

PORT TOWNSEND, WASH.—F. Schlager, the only florist here, reports that trade has been steadily improving since establishing himself about three years ago. He has just completed a carnation house, 18x60 feet.

Now is the Time
to Subscribe to the
Horticultural Trade Journal
Published weekly. The Largest Brightest, and Best British Trade Publication. Also
THE INTERNATIONAL EDITION
Published quarterly. Annual subscription for weekly and quarterly numbers, One dollar, (International money order). Subscribe to-day and keep in touch with European markets and topics.
THE HORTICULTURAL PRINTING COMPANY,
BURNLEY, ENGLAND.

GERANIUMS 2½in. Pots, Ready for Immediate Delivery

Alliance. Lemoine 1905. Hybrid, Ivy and Zonal, semi-double, lilac white, upper petals feathered and blotched crimson maroon, 25c each; $2.00 per doz.
Fleuve Blanc, the semi-double Bruant that promises to become the standard white, flowers and foliage equal to Alph. Riccard, $1.50 per doz.; $10.00 per 100.
Double Dryden, $1.00 per doz.; $5.00 per 100.
Cactus Geraniums, four varieties, petals curled and twisted similar to the Cactus Dahlia, $2.00 per doz.; $15.00 per 100.
S. A. Nutt, La Pilote, Beaute Poitevine, Mme. Barney, Centaur, Miss Kendall, Mme. Jaulin, Jean Viaud, Mme. Charotte, 40c per doz.; $2.00 per 100; $18.00 per 100.
Ville Poitiers, Marquise de Castellane, Berthe de Persilly, M. Jolly de Bammeville, Thos. Meehan, 50c per doz.; $3.00 per 100; $25.00 per 1000.
Send for Geranium Catalogue. Let us figure on your future supply.

	Per 100	1000
Alternanthera, red and yellow	$2.00	15 00
Hardy English Ivy	2.00	15.00
Smilax	2.00	15.00

A cordial invitation is extended to all interested in horticulture to visit us. Cowenton station, Philadelphia division, B. & O. R. R., 12 miles north of Baltimore.
R. VINCENT, JR. & SON, White Marsh, Md.
Please mention the American Florist when writing.

Directory of Gardeners
—AND—
Estates Employing Gardeners
—IN THE—
UNITED STATES and CANADA.
Price $5, Cash With Order.
AMERICAN FLORIST CO. 324 DEARBORN ST., CHICAGO.

BEST ENGRAVINGS and ILLUSTRATIONS
—Of Every Description—
FOR CATALOGUES.
SEE OUR WORK IN THIS PAPER. SEND FOR ESTIMATES.
GLOBE ENGRAVING and ELECTROTYPE CO.
407-427 Dearborn St., CHICAGO.

BERTHA RATH
CARNATION.
FERNS, PALMS,
ARAUCARIA EXCEL.,
ASPIDISTRA,
Green and Variegated.
BAY TREES and PRIVET,
Fine, Strong Stock.
R. DREYER, WOODSIDE, L. I., N. Y.

SPECIALTIES.
ROSES, from 3-inch pots. CHRYSANTHEMUMS.
CARNATIONS, for fall delivery. SMILAX. VIOLETS.
IN BEST VARIETIES.
Prices low. Send for list.
WOOD BROTHERS, Fishkill, N. Y.

GOV. HERRICK THE COMING VIOLET
One that produces three times as many flowers as any violet ever offered for sale. It will please you. Order at once. Prices: $2.00 per doz.; $10.00 per 100; $75.00 per 1000; 5,000 or more at $60.00 per 1000. Send for description today.
H. R. CARLTON, Willoughby, O.
INTRODUCER and ORIGINATOR.

MABELLE, New Pink Carnation for 1907.
Color—A peculiar shade of lovely pink, with a faint yellowish cast; several shades lighter than the Lawson. Unlike most pinks, the brightest sun does not injure the color. Size—3 to 4 inches in diameter when established. Odor—Pleasing, but not strong. Stems—Invariably strong, but always graceful, ranging from 12 to 30 inches during the season. Habit, etc.—A very quick, active grower, making specimen plants in a short time, even from late cuttings. On account of its rapid growth, requires supporting very soon after benching. Gets away rapidly, blooms early and gives long stems right from the start. Productiveness—Prodigious is the best word we know of to use here. It is the most incessant bloomer, early and late, we have ever grown. Stock limited. Delivery January 5 to 10 and later. Price, $12.00 per 100, $100.00 per 1000.
THE H. WEBER & SONS CO., Oakland, Md.
Please mention the American Florist when writing.

—BUY—
Crotons, Dracaenas, Camellias, Ardisias, Farleyense,
—FROM—
Julius Roehrs Co., Exotic Nurseries, RUTHERFORD, N. J.

Highland Grown Carnation Plants.

	Per 100	1000		Per 100	1000
Lawson	$4.50		Peru	$3.50	$30.00
Flora Hill	4.50		Glacier	3.50	30 00
Crusader	5.00		White Cloud	3.50	30 00
Prosperity	4.00		Harlowarden	3.50	30.00
M. Glory	4.00	$35.00	Roosevelt	3 50	30.00
G. Angel	3.50	30.00	100 Estelle, small	$3.00	

CRABB & HUNTER, Ltd., Grand Rapids, Mich.

MAKE MONEY

(There's Plenty of it in the Country.)

This Fall and Winter

BY ADVERTISING IN THE

Autumn Number

— OF —

The American Florist.

To Be Issued November 10.

NO FICTITIOUS INQUIRIES. NO WASTEFUL CORRESPONDENCE.

BEST SERVICE—RIGHT RATES.

ADVERTISEMENTS in body pages will be taken at our ordinary rates, namely, $1.00 per inch, $30.00 per page of thirty inches, with the usual discounts on time contracts. On regular front pages and regular back page the price is $30.00 per page on yearly contract.

THE BUYERS READ THAT PAPER WHICH IS BEST WORTH READING.

WHAT OUR PATRONS SAY:

INQUIRIES THAT PAY DIVIDENDS.

AMERICAN FLORIST COMPANY:— Ionia, Mich., September 15, 1906.

Enclosed please find copy for ad., which you will please continue until advised to the contrary. We are more than gratified at the inquiries and orders received, and can not afford to discontinue even though we were inclined to do so.

IONIA POTTERY COMPAMY.

SAVES BUYERS' MONEY.

AMERICAN FLORIST COMPANY:— Fort Smith, Ark., September 22, 1906.

We look forward to the coming of your paper the same as a meal and we save a good deal of money ordering from the advertisements contained therein.

OWEN & HANESWORTH.

The announcement of every regular advertiser appears in Ready Reference Advertising Department.

American Florist Co.,

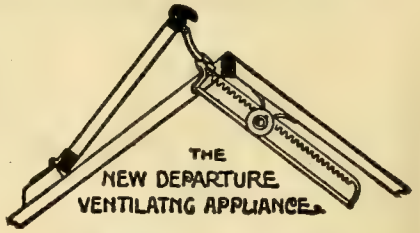
PLEASE MAIL YOUR ADVERTISEMENT NOW.

324 Dearborn Street,
CHICAGO.

"THE PAPER WE READ AND BUY FROM."

Index to Advertisers.

Adv rates....590
Advance Co The....111
Allen J K....599
Amling E C....595
Andorra Nurseries...607
Aschmann Godfrey..610
Atlanta Floral Co...601
Baller F A....603 607
Barrows Henry & Son597
Barteldes Seed Co...603
Bassett & Washburn.595
Baumann L & Co.... II
Bay State Nurseries.607
Beaven E A....592
Beckert W C.... II
Benthey-Coatsworth Co....595
Berckmans P J Co....606 607
Berning H G.. ... 597
Bertermann Bros Co.600
Blinn F A....592
Bobbink & Atkins...609
Boddington A T II
Braslan Seed Co.....602
Breitmeyer's J Sons.600
Brown Peter....610
Budlong J A.... 595
Burpee W A & Co... II
Byer Bros....601
Caldwell the Woodsman Co....592
Campbell Exors R..626
Carlton H R....614
Carmody J D....616
Chatogue Grhs....593
ChicagoCarnationCo I
Chicago Flower ..... Show....593
Chicago House Wrecking Co....625
Clark Wm....592
Cleveland Cut Flo Co601
ClipperLawnMower Co....624
Cochran Mushroom & Spawn Co.... II
Coles W W....601
Connell Benj....592
Cooke Geo H....600
Cotsonas Geo & Co..599
Cowee W J....616
Crabb & Hunter. ...614
Craig Robert Co....597
Crawshaw Jas....592
Cross Eli....613
Cunningham Jos H..613
Daniels & Fisher....600
Davis Bros....610
Davis F P....593
Deamud J B Co.... 595
DetroitFloPotMfv...624
Dietsch A Co....626
Diller Caskey & Co..625
Dillon J L....592
Dingee&ConardCo..607
Donohoe W H....600
Dorner F & Sons Co I
Dreer H A....609 625
Dreyer R....614
Dunford J W....601
Edwards Fold'g Box.625
Elliott Wm H 597
Emmans Geo M....601
Eyers H G....601
Fellouris A J 599
Fick Chas F....601
Fischer R....601
Florists'HailAs'n....616
Flower Growers Co..595
Foley Mfg Co....626
Ford Bros....599
For Sale and Rent...591
Froment H E 599
Garland Geo M....III
Garnsey M V....625
Giblin & Co.... IV
Globe Eng Co....614
Gude A & Bro....600
Gullett W H & Sons.613
Gundestrup K & Co. II
Gurney Heater Co... IV
Guttman Alex J....599
Haentze E....613
Hallock V H & Sons.605
Hansen M A 600
Hart Jas....599
Hauswirth P J....600
Heller & Co.... II
Henshaw A M....599
Herbert D & Son....611
Herr Albert M....601
Herrmann A....626
Hess & Swoboda....600
Hews A H & Co....624
Hilfinger Bros....624
Hill The E G Co.... I
Hippard E....III
Hitchings & Co. IV
Holm & Olson....600
Holton& Hunkel Co.597
Hooker H M Co....625
Hort Advertiser 626
Hort Trade Journal..614
Hunt E H....595
Igoe Bros....626
Ionia Pottery Co 624
Jackson&PerkinsCo.607
Janesville Floral Co.592
Jensen & Dekema...595
Johnston Heating Co625
Johnson W W & Son....605
Journal Des Roses...613
Kaempfer Fred..... II
Kasting W F.... I
Keller Geo & Son...624
Keller Pottery Co...624
Kellogg Geo M....600
Kennicott Bros Co..595
Kervan Co The....599
Kessler P....599
KingConstructionCo III
Kohr A F 624
Koppelman EL & Co616
Kramer F H....613
Kramer I N & Son..624
Kroeschell Bros Co. 625
Kuehn C A....597
Kuhl Geo A....613
Lager & Hurrell....599
Lambert P....606
Lange A....600
Langjahr A H....599
Lecakes N & Co....599
Leedham Bulb Co...603
Leedle Floral Co....607
Livingston Seed Co. 600 624
LocklandLumb'rCo. III
Lord & BurnhamCo. IV
Mathews. Florist....601
McConnell Alex....601
McCullough's J M Sons Co....597
McKellar Chas W...594
McKissick W E....597
Mayberry & Hoover.600
Metropolitan MatCo.III
Mich Cut Flower Ex.592
Miller Theo....601
Mills the Florist....600
Moninger J C Co....III
Moon The Wm H Co.607
Moore Hentz & Nash.599
Morehead Mfg Co...626
Morse C C & Co.... II
Mosbaek L....611
Murdoch J B & Co ..597
Murray Samuel....600
Muskogie Carnation Co....593
Myers & Co.... 616
Natl FloBd of Trade.599
N Y Cut Flower Ex .599
Nicotine Mfg Co....625
Niessen Leo Co 597
Niuffer C M....607
Olbertz J....597
Pacific Seed Co....603
Paducah Pottery 624
Palethorpe P R Co..624
Palmer W J & Son..6 0
Park Floral Co....600
Pennock Meehan Co596
Perennial GardensCo II
Perfection Chem Co.626
Peterson's Nursery..607
Pierson F R Co.. ..I 605
Pierson U Bar Co....III
PittsburgCut FloCo.597
Pittsburg Florist Ex .597
Poehlmann Bros Co.595
Pollworth C C Co....600
Popp Emile G..... 592
Pulverized Manure Co....626
Quaker City Machine Works....III
Randall A L Co....601
Raynor J I....599
Rawson W W & Co.. II
ReadyRefer'nceAdv.617
Regan Print House..593
Reinberg Peter.... 593 595 611
Reynolds G F....625
Rice Bros....592
Rice James H Co....625
Robinson H M & Co.592
Roehrs Julius Co....614
Sander & Son 599
Scharff & Bros....613
Schil'o Adam....616
Schultheis Anton....613
Schulz Jacob 601
Seligman Jno....599
SharpPartridge&Co.626
Sheridan W F....599
Shippensburg FloCo.601
Siebrecht & Son....610
Sinner Bros. 595
Situations & Wants..591
Skidelsky S S....601
Smith Nathan & Son.607
Smith W & T Co.... I
Smits Jacs....607
Sprague Smith Co...625
Staer J....605
Standard Pump & Engine Co.... IV
Stearns Lumber Co.. IV
Stenzel Glass Co....625
Stern J & Co....625
Stokes Seed Store...603
Stoothoff H A & Co.626
Storrs & Harrison Co607
Styer J J.... II
Syracuse Pottery Co.624
Taylor F G Seed Co.603
Thompson J D Carnation Co.... I
Thorburn J M & Co. II
Totty Chas H 599
Traendley & Schenck599
VanHoutte PereSons613
Vaughan & Sperry...595
Vaughan's Seed Store ....I 605 613
Vick & Hill Co....607
Vick's Sons Jas.... II
Vincent R Jr & Son..614
Virgin U J....600
Weber F C....600
Weber H & Sons....614
Weeber & Don.... II
Weiland & Risch....595
Welch Bros.... 597
Whilldin Pot Co....624
Wietor Bros....594
Wild Gilbert H....607
Wilson Andrew 626
Wilson Robt G....600
Winandy Bros 626
WintersonEF Co....594
WittboldGeo Co.594 611
Wolf John....611
Wood Bros....614
Woods H....592
Young A L & Co....599
Young Thos....599
Zech & Mann....595



CHEAPEST AND BEST.

If you doubt it try them and be convinced. Send for descriptive price circular.

J. D. Carmody, Evansville, Ind.

MYERS & CO.
BUILDERS OF
Modern Greenhouses
HEATING
BOILERS.
1122 Betz Bldg.,
PHILA., PA.

It is good business policy .....to mention the

American Florist

When you write to an advertiser.

—THE—
Florists' Hail Association

Insures over 23,000,000 square feet of glass. for particulars address

JOHN G. ESLER, Sec'y, SADDLE RIVER, N. J.

Please mention the American Florist when writing.

Tobacco Dust
FOR FUMIGATING.

It would pay large users of dust to communicate with us and get samples and prices.

Edwin L. Koppelman & Co., 81 PINE STREET, NEW YORK.

Please mention the American Florist when writing.

LUMBER for Greenhouse Benches, Ship Lap, Drop Siding, Sheathing, Flooring, White Cedar Posts, Etc.

We are in special position to furnish "PECKY CYPRESS" everything in PINE and HEMLOCK BUILDING LUMBER. WRITE FOR PRICES.

Adam Schillo Lumber Co. Cor. Weed and Hawthorn St., CHICAGO. Tel. North 1626 and 1627.

Please mention the American Florist when writing

Wired Toothpicks

10,000, $1.50: 50,000, $6.25. Manufactured by

W. J. COWEE, BERLIN, N. Y.

Sample free. For sale by dealers.

AMERICAN FLORIST ADVERTISING RATES.

Our advertising rates are 4s 2d per inch, single column width, £6 3s 3d per page of thirty inches, with discounts on consecutive insertions as follows:

6 insertions.....5 per cent. 26 insertions.....20 per cent.
13 insertions.....10 per cent. 52 insertions.....30 per cent.

Space on front pages and back cover page is sold only on yearly contract at 4s 2d per inch net. Remit by foreign postoffice money order.

ANZEIGERATEN DES AMERICAN FLORIST.

Unsere Anzeigeraten sind: für den Zoll der einzelnen Spalte, $1.00 (M. 4.17); für die Seite, 30 Zoll, $30 (M. 125). Bei mehrmaligen Einrückungen werden Diskontoraten gewährt, wie folgt:

6 Einrückungen.....5%; 26 Einrückungen.....20%;
13 Einrückungen.....10%; 52 Einrückungen.....30%

Raum auf den vorderen Seiten und auf der Rückseite des Umschlages wird nur in Jahreskontrakten und zu $1.00 (M. 4.17) den Zoll netto abgegeben. Zahlungen sind mittels Postanweisung erbeten.

TAUX D'ANNONCES DANS L'AMERICAN FLORIST.

Nos taux d'annonces sont $1.00 (Frs. 5-15) par pouce, largeur simple colonne, $30.00 (Frs. 154-50) par page de trente pouces avec escomptes sur les insertions consécutives, comme suit:

6 insertions.....5 pour cent. 26 insertions.....20 pour cent.
13 insertions.....10 pour cent. 52 insertions.....30 pour cent.

La place occupée par des annonces sur la première et la dernière couverture ne s'accorde que par contrat annuel au taux de $1.00 (Frs. 5-15), net, par pouce. Faites remise par Mandat-poste International.

Ready Reference Advertising.

ADVERTISEMENTS IN THIS DEPARTMENT 10 CENTS PER LINE, CASH WITH ORDER. COPY MUST REACH US MONDAY OF THE WEEK IN WHICH IT IS TO APPEAR

ACHYRANTHES.

Achyranthes, 3-in., $5 per 100; 2-in., $2 per 100. Ludvig Mosbaek, Onarga, Ill.

AGERATUMS.

Ageratum, Little Blue Star, dwf., 2¼-in., $2 per 100; 35c per doz. Ludvig Mosbaek, Onarga, Ill.

Ageratums, Stella Gurney, 2¼-in., $2 per 100. Nathan Smith & Son, Adrian, Mich.

ALTERNANTHERAS.

Alternantheras, red and yellow, $2 per 100; $15 per 1,000. R. Vincent, Jr., & Son, White Marsh, Md.

Alternantheras, R. C., 4 vars., $4 per 1,000. Ludvig Mosbaek, Onarga, Ill.

ALTHEAS.

Althea Edward Bellamy, best double white, 2 to 3 feet, to close out, $5 per 100; $40 per 1,000. The E. Y. Teas Co., Centerville, Ind.

ARAUCARIAS.

Araucaria Excelsa, 6-in., 18 ins., 4 whls., $1.25 each; $15 per doz. 7-in., 22 ins., 5 whls., $1.50 each; 18 per doz. Glauca, 5-in., 12 ins., 3 whls., $1 each; $12 per doz. 6-in., 13 to 15 ins., 3 to 4 whls., $1.25 each; $15 per doz. 7-in., 18 to 20 ins., 4 to 5 whls., $1.50 each; $18 per doz. 7-in., 22 to 24 ins., 4 to 5 whls., $2 each; $24 per doz. 9-in., 30 ins., 4 to 5 whls., $3 each. 9-in., 34 ins., 5 whls., $4 each. Robusta Com., 5-in., 10 ins., 2 whls., $1 each; $12 per doz. 6-in., 12 ins., 2 to 3 whls., $1.50 each; $18 per doz. 7-in., 28 ins., 5 whls., $3 each. 8-in., 32 ins., 5 to 6 whls., $4 each. Vaughan's Seed Store, Chicago and New York.

Araucaria Excelsa, 12 to 14 ins., 5½-in., pots, 3 to 4 trs., 2-yr., 50c; 14 to 16 ins., 5½-in. pots, 3 to 4 trs., 2-yr., 60c; 16 to 18 ins., 5½ to 6-in. pots, 4 to 5 trs., 3-year, 75c; 18 to 20 ins., 6-in. pots, 5 to 6 trs., 4-yr., $1; 20 to 24 ins., 6-in. pots, 5 to 6 trs., 4-yr., $1.25; 36 to 50 ins., Specimen, 7-in. pots, 5 to 6 trs., 6-yr., $2.50 to $3. A. Compacta Robusta, 12 to 20 ins. high, 3 to 4 trs., 20 to 30 ins., 4 to 5-yr., 6 to 7-in., $1.25, $1.50, $1.75, $2 up to $3 each. A. Excelsa Glauca, 6 to 7-in. pots, 3, 4 and 5 trs., 15 to 25 ins., $1.25, $1.50, $1.75, $2, $2.50 each. G. Aschmann, 1012 Ontario St., Philadelphia.

Araucaria Excelsa, 4-in., 2 to 3 trs., 35c each; $4 per doz.; 5-in., 3 trs., 75c each; $9 per doz.; 6-in., 3 to 4 trs., $1 each; $12 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Araucaria excelsa, 50c, 75c, $1, $1.50, $2, $2.50 and $3 each. Bobbink & Atkins, Rutherford, N. J.

Araucaria Excelsa. R. Dreyer, Woodside, L. I., N. Y.

Araucarias. L. Van Houtte Pere, Ghent, Belgium.

ASPARAGUS.

Asparagus Crawshawi, seedlings, $3 per 100; $25 per 1,000; transplanted seedlings, $5 per 100; $40 per 1,000; sample, 10c. James Crawshaw, 403 Plainfield St., Providence, R. I.

Asparagus plumosus, 4½-in., $10 per 100; $1.35 per doz. 4-in. plumosus and Sprengeri, $1.10 per doz.; $8 per 100; $75 per 1,000; 3-in., 65c per doz.; $5 per 100; $45 per 1,000; 2¼-in., 35c per doz.; $2.50 per 100; $22.50 per 1,000. Ludvig Mosbaek, Onarga, Ill.

Asparagus plumosus, 2-in., $3 per 100; 3-in., $6. Sprengeri, 2-in., $3 per 100; 3-in., $6; 4-in., $1.25 per doz.; 5-in., $2. Scandens Defi, 3-in., $1.50 per doz.; 4-in., $2 per doz. George Wittbold Co., 1657 Buckingham Pl., Chicago.

Asparagus Sprengeri, 2½-in., $2 per 100. Byer Bros., Chambersburg, Pa.

Asparagus plumosus, 2-in., $3 per 100; $25 per 1,000. 2½-in., $4 per 100; $40 per 1,000; 3-in., $7 per 100; $65 per 1,000. Strong seedlings, $1.50 per 100; $12 per 1,000. Vaughan's Seed Store, Chicago and New York.

Asparagus plumosus, 2¼-in., $2.50; 3-in., $5; 4-in., $8. Sprengeri, 2¼-in., $2.50; 3-in., $4; 4-in., $6; per 1,000, $55. All strong plants, ready for larger pots. Goshen Floral Co., Goshen, Ind.

Asparagus plumosus nanus, 15,000 fine young plants from 2¼-in. pots, worth $3, to close out, $1.50 per 100; $15 per 1,000. The W. T. Buckley Co., Springfield, Ill.

Asparagus plumosus and Sprengeri, 2-in., $3 per 100; $25 per 1,000; from bench, $2.50 per 100; $20 per 1,000. Wm. Clark, Colorado Springs, Col.

Asparagus plumosus, 3-in., $5 per 100. Sprengeri, 3½-in., $6 per 100. Scharff Bros., Van Wert, O.

Asparagus plumosus, 2-in., $2.50 per 100; $20 per 1,000. W. F. Kasting, 383 Ellicott St., Buffalo, N. Y.

Asparagus, strong 2½-in. plumosus plants at $2 per 100. J. W. Munk & Son, Mt. Gilead, Ohio.

Asparagus plumosus, 2¼-in., $2 per 100; $18 per 1,000. Jos. H. Cunningham, Delaware, O.

Asparagus plumosus, 4-in., 10c. G. Aschmann, 1012 Ontario St., Philadelphia.

Asparagus plumosus, 2¼-in., $3; 3-in., $5. W. H. Gullett & Sons, Lincoln, Ill.

Fine Asparagus Robusta Compacta in 4-in. pots, $15 per 100. R. D. Herr, Refton, Pa.

Asparagus Sprengeri, 3½-in., $5 per 100. Plumosus, 3½-in., $6 per 100. Poehlmann Bros. Co., Morton Grove, Ill.

Asparagus Sprengeri, 2½-in., $3 per 100; $25 per 1,000. Field clumps, $6 per 100. J. W. Dunford, Clayton, Mo.

Asparagus Sprengeri, 2-in., $2.50 per 100; plumosus, 2-in., $3 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus Sprengeri, 2½-in., $4 per 100. Scheiden & Schoos, Evanston, Ill.

ASPIDISTRAS.

Aspidistras, green and variegated, all sizes, $1, $2 and $3 each. Bobbink & Atkins, Rutherford, N. J.

Aspidistras, all sizes. Frank Huntsman, Cincinnati, O.

AZALEAS.

Azaleas, popular American varieties, 8 to 10 ins. diam., $3.50 per doz.; $25 per 100; 10 to 12, $4.50 per doz.; $35 per 100; 12 to 14, $6 per doz.; $45 per 100; 14 to 15, $7.50 per doz.; $60 per 100; 15 to 16, $9 per doz.; $75 per 100; 16 to 18, $12 per doz.; $90 per 100; 18 to 20, $25 per doz.; $200 per 100; 20 to 24, $36 per doz.; $300 per 100. Bobbink & Atkins, Rutherford, N. J.

Azaleas. L. Van Houtte Pere, Ghent, Belgium.

Azaleas. Jacs Smits, Ltd., Naarden, Holland.

BAY TREES.

Bay trees, fine stock. D. Dreyer, Woodside, L. I., N. Y.

Bay trees, all sizes. Bobbink & Atkins, Rutherford, N. J.

Bay trees. L. Van Houtte Pere, Ghent, Belgium.

BEGONIAS.

Twelve named varieties Begonia Rex in 3-in. pots, $8 per 100. R. D. Herr, Refton, Pa.

Begonia Rex, 2 and 2½-in., $5 per 100. Geo. M. Emmans, Newton, N. J.

Begonias. L. Van Houtte Pere, Ghent, Belgium.

BOUGAINVILLEAS.

Bougainvilleas, Glabra Sanderiana, 4-in., $20 per 100. Storrs & Harrison Co., Painesville, O.

BOXWOOD.

Boxwood, pyramidal, 2 ft., 75c each; 2½ ft., $1; 3 ft., $1.50; 3½ ft., $2; 4 ft., $3; 4½ ft., $4; 5 ft., $5; 6 ft., $6. Bush boxwood, 25c, 35c, 50 each. Bobbink & Atkins, Rutherford, N. J.

BULBS, ROOTS, TUBERS.

Bulbs, lilies, Japan longiflorum, 9 to 10 in., case of 200, $15; multiflorum, 7 to 9 in., case 300, $15; 9 to 10 in., case 200, $17; giganteum, 7 to 9 in., case 300, $18.75; 9 to 10 in., case 200, $21. Lilium candidum, $5 per 100. Narcissus, Paper White grandi., 13 to 15 ctm., case of 1,250, $11.25; dbl. Von Sion., 1st size, $9 per 1,000; extra, $12; mammoth, $20; Princeps, $7 per 1,000; Golden Spur, $18; Empress, $20; Alba plena odorata, $6; Barri con., $8; Poeticus, $4.50; P. ornatus, $7. White Roman hyacinths, 12 to 15 ctm., $23 per 1,000; 13 to 15 ctm., $28. Freesia refracta alba, $7.50 per 1,000. Bermuda Buttercup, oxalis, $7.50. Spanish Iris, mixed, $2.50. Callas, 2-2½ in. diam., $10 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Bulbs, callas, 1½ to 2-in., $6 per 100; $55 per 1,000; 2 to 3-in., $10 per 100; $95 per 1,000. Hyacinths, Dutch Romans, named, $2 per 100; $17.50 per 1,000. Sep. colors, mix., $2.50 per 100; $22.50 per 1,000; 2nd size, named, $4.25 per 100; $40 per 1,000; 1st size, named, $6.25 per 100; $60 per 1,000. Tulips, sgl. mixed, sep. colors, $1 per 100; $8.50 per 1,000 Superfine, mix., 90c per 100; $7.50 per 1,000. Fine mix., 75c per 100; $6 per 1,000. Dbl. mix. sep. colors, $1.15 per 100; $10 per 1,000. Superfine, mix., $1 per 100; $8.50 per 1,000; fine mix., 85c per 100; $7 per 1,000. Perennials Gardens Co., Toledo, O.

Bulbs, home-grown freesias, large size, $1 per 100; $7 per 1,000; blooming size, $75 per 100; $4.50 per 1,000; small blooming size, 50c per 100; $3.50 per 1,000. Stokes Seed Store, 219 Market St., Philadelphia.

Bulbs, white Roman hyacinths, 12x15 ctms., $2.75 per 100; $25 per 1,000; 13x15 ctms., $3.75 per 100; $35 per 1,000; 15 and over, $5 per 100; $45 per 1,000. Tulips in var. W. W. Rawson & Co., 5 Union St., Boston.

Bulbs, yellow calla (Richardia) Mrs. Roosevelt, 1,000, $80; 100, $10; doz., $2. V. H. Hallock & Son, Queens, N. Y.

Bulbs, Narcissus Empress and Henry Irving, Candidum lilies. E. F. Winterson Co., 45 Wabash Ave., Chicago.

Bulbs, hyacinths, tulips, narcissus, crocus, lilies, etc. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs, all fall bulbs for florists and seedsmen. Vaughan's Seed Store, Chicago and New York.

Bulbs, hyacinths, tulips, narcissus, crocus, lilies, freesias. Jas. Vick's Sons, Rochester, N. Y.

Bulbs, Roman hyacinths, 12 to 15, $2.50 per 100. Storrs & Harrison Co., Painesville, O.

Bulbs of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Bulbs, California grown. Leedham Bulb Co., Santa Cruz, Cal.

Bulbs of all kinds. Currie Bros. Co., 308 Broadway, Milwaukee, Wis.

Cannas, 5 vars., field clumps, $10 per 100. Jos. H. Cunningham, Delaware, O.

Cannas of all vars. Dingee & Conard Co., West Grove, Pa.

If you do not find what you need in our Ready Reference Department, write us about it.

Cannas, bronze, discolor, $7.50 per 1,000; $1 per 100. Robusta, $6 per 1,000; 80c per 100. Burbank, $6 per 1,000; 80c per 100. Chas. Henderson, $10 per 1,000; $1.25 per 100. Allemania, $7.50 per 1,000; $1 per 100. Tall F. Vaughan, $10 per 1,000; $1.25 per 100. L. Patry, $10 per 1,000; $1.25 per 100. My selection of above etc., per 10,000, $60. Bronze mix., yellow shades, red, $5 per 1,000; 70c per 100; all shades, $4.50 per 1,000; 60c per 100; all shades separate, 10,000, $45. Ludvig Mosbaek, Onarga, Ill.

Cannas, King Humbert, the finest canna to date, $2.50 per doz. Cash. Tony Toerner, Scio, O.

Cannas. John Wolf, Ott and Anderson St., Savannah, Ga.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

CAMELLIAS.

Camellias, Julius Roehrs Co., Rutherford, N. J.

CARNATIONS.

CARNATIONS.

	100	1,000		100	1,000
Pink.			White.		
Fiancee	..$6		B. Market..	$5	$45
Lawson	... 6	$50	F. Burki...	7	60
N. Fisher...	7	60	F. Hill.....	5	45
G. Angel..	4	35	W. Cloud...	5	45
M. Glory...	4	35	Red and Crimson.		
White.			Chicago ...	$5	$45
L. Peary...	8	75	H'warden...	6	50

Wietor Bros., 51 Wabash Ave., Chicago.

Carnations, Lawson, Hill, $4.50 per 100. Crusader, $5 per 100. Prosperity, $4 per 100. M. Glory, $4 per 100; $35 per 1,000. G. Angel, Peru, Glacier, W. Cloud, Harlowarden, Roosevelt, $3.50 per 100; $30 per 1,000. Estelle, small, $3 per 100. Crabb & Hunter, Grand Rapids, Mich.

Carnations, field-grown, 300 Lawson, 800 Marquis, 325 Wolcott, 100 F. Hill, 300 Lord, 300 Bradt, 250 Joost, $4 per 100; 190 L. Bountiful, $5 per 100. E. Haentze, Fond du Lac, Wis.

Carnations, field-grown plants, fine healthy stock, Lawson, Crusader, Boston Market, $5 per 100; $45 per 1,000. Mrs. A. M. Schafer, 229 Balmoral Ave., Chicago.

Carnation Victory, field-grown, 1st size, $15 per 100; 2nd size, $12; 3rd size, $10. Guttman & Weber, 43 W. 28th St., New York.

Carnations, field-grown, healthy plants, Joost, Queen Louise, $5 per 100. H. Madsen, 395 New Bridge, West Springfield, Mass.

Carnations, Rose Pink Enchantress, rooted cuttings, $7 per 100; $60 per 1,000. S. S. Skidelsky, 824 No. 24th St., Philadelphia.

Carnations, field-grown, B. Market, Nelson, $3 per 100; $25 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

Carnation plants, Marie Louise and Lawson, $4.50 per 100; $40 per 1,000. Holton & Hunkel, Milwaukee, Wis.

Carnations, Norway, $3 per 100; Lawson and B. Market, $4.50. W. H. Gullett & Sons, Lincoln, Ill.

Carnation Abundance, rooted cuttings ready Jan. 1. R. Fischer Great Nick, L. I., N. Y.

Carnations, White Perfection, 2nd size, $10 per 100. F. Dorner & Sons Co., La Fayette, Ind.

Carnations, 1,500 Norway, $3.50 per 100; $30 per 1,000. J. W. Dunford, Clayton, Mo.

Carnations, field-grown, Crane, $3 per 100. Fine plants. Thos. Salveson, Petersburg, Ill.

Carnations, Lady Bountiful and Phyllis. E. F. Winterson Co., 45 Wabash Ave., Chicago.

Carnation Mabelle, new, $12 per 100; $100 per 1,000. H. Weber & Sons Co., Oakland, Md.

Carnations, potted stock, 6c. Levant Cole, Battle Creek, Mich.

Carnation, Bertha Rath. R. Dreyer, Woodside, L. I., N. Y.

Carnations for fall delivery. Wood Bros., Fishkill, N. Y.

Carnations. J. D. Thompson Carnation Co., Joliet, Ill.

CHRYSANTHEMUMS.

Chrysanthemums, G. of Pacific, Polly Rose, Soleil d'October, Robinson, Ivory, Appleton, Pink Ivory, $3 per 100. J. Jones, Mrs. Robert McArthur, Mrs. Coombes, G. Wedding, Yellow Eaton, Monrovia, $4 per 100. Lady Roberts, A. J. Balfour, Wm. H. Chadwick, $6 per 100. Glenview, $25 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Chrysanthemums, Monrovia stock plants, finest earliest yellow, $1 per doz.; $6 per 100. Clementine Touset, finest earliest, largest white to date, $1.70 per doz.; $12 per 100. Cash with order. Gunnar Teilmann, Marion, Ind.

Chrysanthemums, Monrovia, 75c per doz.; Rosiere, $1.50 per doz.; C. Touset, $1 per doz.; October Frost, $1.50 per doz. Eli Cross, Grand Rapids, Mich

Chrysanthemums, new earlies and novelties. E. G. Hill Co., Richmond, Ind.

Chrysanthemum novelties. Chas. H. Totty, Madison, N. J.

Chrysanthemums. Wood Bros., Fishkill, N. Y.

CLEMATIS.

Clematis, large flower, finest sorts, 2-yr., 12c. Paniculata, 6c. W. H. Salter, Rochester, N. Y.

COBOEA.

Coboea Scandens, 4-in., $8 per 100. Godfrey Aschmann, 1012 Ontario St., Philadelphia, Pa.

COLEUS.

Coleus, in var., 3-in., $5 per 100. Ludvig Mosbaek, Onarga, Ill.

COREOPSIS.

Coreopsis Lan., seedlings by mail, 60c per 100; $5 per 1,000. Shippensburg Floral Co., Shippensburg, Pa.

CROTONS.

Crotons. Julius Roehrs Co., Rutherford, N. J.

CYCLAMENS.

Cyclamen plants, giganteum strain, seed taken of exhibition stock only, 3-in., $7 per 100, well set with buds. C. Winterich, Cyclamen Specialist, Defiance, O.

Cyclamen. Geo. A. Kuhl, Pekin, Ill.

DAHLIAS.

Dahlias, mixed and under color at $4 per 100, f. o. b. Chicago. Just as dug. Order NOW. Save that freight from down east. 80 standard varieties low. Central Seed and Bulb Co., 42 Wells St., Chicago.

Dahlias, improved Countess of Lonsdale, cactus type, 6 for $1; $1.75 per doz.; $12 per 100. Arthur T. Boddington, 342 W. 14th St., New York.

Dahlias, field clumps, 10 varieties, $5 per 100. Cash. McRae-Jenkinson Co., Cheswich, Pa.

DAISIES.

The Transvaal Daisy (Gerbera Jamesoni). The handsomest brilliant scarlet flowered herbaceous plant in existence. Strong field-grown clumps, $12 per 100. Bobbink & Atkins, Rutherford, N. J.

Daisies, Snowball and Longfellow, $2.50 per 1,000; 2,000 for $4.50. Shippensburg Floral Co., Shippensburg, Pa.

Daisies, dbl., leading vars., $2.50 per 1,000. Byer Bros., Chambersburg, Pa.

Daisies, dbl., 25c per 100 by mail. F. A. Blinn, Cromwell, Conn.

DEUTZIAS.

Deutzias, in variety. W. & T. Smith Co., Geneva, N. Y.

DRACAENAS.

Dracæna fragrans, 5-in., 50c each; $5 per doz.; D. indivisa, 2-in., $2.50 per 100; 6-in., 20 to 26 ins., 50c each; $5 per doz.; 7-in., 30 to 34 ins., 75c each; $9 per doz. D. Mass., 8-in., $2 each; 9-in., $3 each. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Dracæna indivisa, field-grown, 5-in., $15 per 100; 6-in., $25 per 100. Storrs & Harrison Co., Painesville, O.

Dracæna indivisa, 4 and 5 in., $10 and $25 per 100. Geo. M. Emmans, Newton, N. J.

Dracæna, Ind., 4-in., $8; 3-in., $5; 2¼-in., $2.50 per 100. Ludvig Mosbaek, Onarga, Ill.

Dracænas. Julius Roehrs Co., Rutherford, N. J.

FERNS.

Ferns, prepaid, Boston, 4-in., 18c; 5-in., 30c; 6-in., 45c; 8-in., $1.25; 10-in., $1.75; Pierson fern, 4-in., 20c; 5-in., 35c; 6-in., 50c; 8-in., $1.50; 10-in., $2 each. Anna Foster, same prices as Pierson fern. N. Wittboldi and N. Washingtoniensis, 2½-in., 6c; 3-in., 12c; 4-in., 25c; 6-in., 50c; 8-in., $2 each. N. Barrowsii, 2½-in., 8c; 3-in., 25c; 4-in., 40c; 6-in., 75c; 8-in., $2.50; 10-in., $4 each. N. Whitmani, 2½-in., 25c; 4-in., 60c; 6-in., $1.25 each. N. Elegantissima, 2½-in., 8c each. B. N. Wichers & Co., Gretna, La.

Ferns, Boston, 2½-in., 60c per doz.; $5 per 100. 3-in., $1.50 per doz.; $10 per 100. 4-in., $2.50 per doz.; $20 per 100. 5-in., 50c each; $5 per doz.; $40 per 100. 6-in. pans, 75c each; $8 per doz.; $60 per 100. 7-in., $1 each; $10 per doz.; $75 per 100. 8-in., $1.50 each. $15 per doz. 9-in., $2 to $2.50 each. 10-in., $3 to $3.50 each. 12-in., $4 to $5 each. Ferns for dishes, asst., 2¼-in., $3 per 100; $25 per 1,000. Vaughan's Seed Store, Chicago and New York.

Ferns, Boston and Piersoni, 10-in., $2 each; $20 per doz.; 8-in., $1 each; $10 per doz. Boston, Piersoni, Anna Foster and Sword, 6-in., $5 per doz.; $40 per 100; 4-in., $2 per doz.; $15 per 100; $125 per 1,000; 3-in., $1 per doz.; $8 per 100; $75 per 1,000; 2¼-in., 50c per doz.; $3.50 per 100; $30 per 1,000. Elegantissima, 4-in., $4 per doz.; $30 per 100; 3-in., $2 per doz.; $15 per 100; $125 per 1,000; 2¼-in., $1.25 per doz.; $8 per 100; $70 per 1,000. Ludvig Mosbaek, Onarga, Ill.

Ferns, Boston, strong runners, $2 per 100; 6-in., $40 per 100; 7-in., $60; 8-in., $75 per 100; 10-in., $1.50 each. Piersoni, 6-in., $40 per 100; 7-in., $60, Scottii, 6-in., $40 per 100; 7-in., $60 per 100. Elegantissima, 2½-in., $5 per 100. Whitmani, young plants from bench, $10 per 100. Davis Bros., Morrison, Ill.

Ferns, Boston, 4-in., $1.50 per doz.; 5-in., $3; 6-in., $4.20; 6-in., strong, $6; 7-in., $9. Large specimens, $1.50, $2, $3 each. Assorted ferns for dishes, $3 per 100; $25 per 1,000. Scottii, 10-in., $2 each. Fern Balls, 7 to 9 dormant or in leaf, $4.20 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Ferns, N. Barrowsii, 6-in., 50c; 4-in., 25c. Scottii, 6-in., 50c; 5½-in., 40c; 5-in., 35c; 4-in., 20c to 25c. Boston, 4-in., 20c to 25c. Ferns for dishes, 2½-in., $5 per 100; 3-in., 7c. G. Aschmann, 1012 Ontario St., Philadelphia.

Ferns, Boston and Piersoni, 4-in., 10c; 5-in., 12½c; Boston, 6 and 7-in., 15c; 3-in., 5c; Tarrytown, 3-in., 10c; 4-in., 15c; 6-in., 25c; runners, $2 per 100; Scottii, 3-in., 8c; 4-in., 12½c.; 5-in., 15c. Byer Bros., Chambersburg, Pa.

Ferns, N. Piersoni Elegantissima, 2¼-in. pots, $12 per 100; specimen plants, 6-in., $1 each; 8-in., $2; 10-in., $3; 12-in., $5; 14-in., $7.50; 16-in., $10. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y

Ferns, Boston, from bench, for 4 and 5-in., $10 and $15 per 100. J. W. Dunford, Clayton, Mo.

Ferns, Piersoni, 6-in., 35c; 5-in., 25c; 4-in., 15c. Boston, 5-in., 25c; 4-in., 15c. Scottii, 5-in., 30c; 4-in., 20c. Anna Foster, 2½-in., 4c. Benj. Connell, West Grove, Pa.

Ferns, all kinds. A. Schultheis, College Point, L. I., N. Y.

Fernery ferns, 2½-in., at $3 per 100. Holton & Hunkel Co., Milwaukee, Wis.

Ferns, Boston, 4 and 5-in. John Wolf, Ott and Anderson St., Savannah, Ga.

Ferns, Scottii, 5-in., $25 per 100. Holton & Hunkel Co., Milwaukee, Wis.

Ferns, Farleyense, Julius Roehrs Co., Rutherford, N. J.

If you do not find what you need in our Ready Reference Department, write us about it.

Ferns, N. Whitmani, 2¼-in., $25 per 100. Boston, 2¼-in., $3 per 100. H. H. Barrows & Sons, Whitman, Mass.

Ferns, orders booked now for N. Amerpohlii, Janesville Floral Co., Janesville, Wis.

Ferns, Boston, Piersoni, Elegantissima, Scottii, cheap. W. W. Coles, Kokomo, Ind.

Ferns, Boston, 5-in., 30c each. Piersoni, 6-in., 50c each. Geo. M. Emmans, Newton, N. J.

Ferns, Boston, 5-in., $25; Specimens, 75c and $1. W. H. Gullett & Sons, Lincoln, Ill.

Ferns, all leading varieties. R. Dreyer, Woodside, L. I., N. Y.

Ferns, Piersoni, etc. Geo. A. Kuhl, Pekin, Ill.

FICUS.

Ficus elastica, 5-in., 12 to 14 ins., $5 per doz.; $40 per 100. Vaughan's Seed Store, Chicago and New York.

Ficus elastica, 6-in., 50c each. G. Aschmann, 1012 Ontario St., Philadelphia.

Ficus, 4 and 5-in., 15c and 25c. Byer Bros., Chambersburg, Pa.

GERANIUMS.

Geraniums, from 2-in. pots. Alliance, Lemoine, 1905, 25c each; $2 per doz. Fleuve Blanc, $1.50 per doz.; $10 per 100. Cactus, 4 vars., $2 per doz., $15 per 100. Double Dryden, $1 per doz.; $5 per 100. Nutt, La Pilote, Poitevine, Mme. Barney, Centaure, Kendall, Mme. Jaulin, Viaud, Mme. Charotte, 40c per doz.; $2 per 100; $18 per 1,000. Ville de Poitiers, M. de Castellane, Berthe de Presilly, M. Jolly de Bammeville, T. Meehan, 50c per doz.; $3 per 100; $25 per 1,000. R. Vincent, Jr. & Son, White Marsh, Md.

Geraniums, rooted cuttings, Nutt, Perkins, Buchner, Doyle, $1.25 per 100; $12.50 per 1,000. Viaud, Jaulin, Poitevine, L. Francis, Ricard, Castellane, Trego, $1.50 per 100; $15 per 1,000. Peter Henderson, $2 per 100; $20 per 1,000. Fleuve Blanc, $5 per 100; $50 per 1,000. A. M. Herr, Lancaster, Pa.

Geraniums, S. A. Nutt, Castellane, John Doyle, Perkins, Double Gen. Grant, La Favorite, Poitevine, 2-in. pots, $2 per 100; R. C., $1 per 100. Geo. M. Emmans, Newton, N. J.

Geraniums, unrooted cuttings, S. A. Nutt, $1 per 100, cash. McRea-Jenkinson Co., Cheswick, Pa.

Geraniums, 3-in., $5 per 100; 2¼-in., $2.50 per 100; $20 per 1,000. Ludvig Mosbaek, Onarga, Ill.

GLOXINIAS.

Gloxinias. L. Van Houtte Pere, Ghent, Belgium.

GREENS.

Greens, dagger and fancy ferns, $1 per 1,000. Bronze and green galax, $1 per 1,000; 10,000 lots, $7.50. Bouquet green, per 100 yds., $7. Laurel festooning, 5c and 6c per yd. Laurel wreaths, $3 per doz.; branch laurel, per bunch, 50c. Boxwood, per lb., 20c. Leucothoe sprays, per 100, $1. Green and Spaghnum moss, $1 per barrel. Lyrata (new). H. M. Robinson & Co., 8 Province St., Boston, Mass.

Greens of all kinds, holly and other wreaths, wreathing, etc. We wish to buy in car lots—holly, mistletoe, southern smilax, needle pine, magnolia, sago and other palm leaves. H. Woods, 127 S. Water St., Chicago.

Greens, galax, leaves, ferns and leucothoe sprays, holly. Princess pine, all kinds of evergreens. Galax leaves, $1 per 1,000. N. Lecakes & Co., 53 W. 28th St., New York.

Greens, cut palmetto and cycas palm leaves, galax, leucothoe, ferns, mosses and all decorating evergreens. The Kervan Co., 20 W. 27th St., New York.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 52 W. 28th St., New York.

Greens, fancy ferns, $1 per 1,000. Galax, $1.25. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. A. J. Fellouris, 52 W. 28th St., New York.

Greens, Beaven's fadeless sheet moss, $3.50 per bag. Southern wild smilax. E. A. Beaven, Evergreen, Ala.

Greens, Southern wild smilax. Caldwell The Woodsman Co., Evergreen, Ala.

HARDY PERENNIALS.

Hardy perennials, achillea, The Pearl; aquilegia in var.; campanula in var.; Coreopsis; Dianthus plumarius; foxglove; forget-me-not; chrysanthemums, 30 vars.; Shasta daisy; Sweet william and many others, $1 per 100; 15c per doz. Oriental poppy in var.; Monarda Didyma and many others, $1.50 per 100; 20c per doz. Ludvig Mosbaek, Onarga, Ill.

Hardy phlox, 20 best sorts, undiv. clumps, $6 per 100; $55 per 1,000; divisions, $4 per 100; $35 per 1,000. Nathan Smith & Son, Adrian, Mich.

Hardy pinks, field-grown, Essex Witch, M. Gray, Abbottsford, 3½c. Byer Bros., Chambersburg, Pa.

Herbaceous perennials, 967 varieties. Bay State Nurseries, North Abington, Mass.

Phlox, iris, pinks, etc. Vick & Hill, Rochester, N. Y.

Phlox, finest, 4c. W. H. Salter, Rochester, N. Y.

HELIOTROPES.

Heliotropes, Czar, Czarina and Picciola, 2¼-in., 4 to 6 ins. high, $2 per 100. Nathan Smith & Son, Adrian, Mich.

Blue heliotrope plants in 3½-in. or 4-in. pots. Emile G. Popp, 404 Walnut St., St. Paul, Minn.

HIBISCUS.

Hibiscus Syriacus Meehani. P. J. Berckmans Co., Inc., Augusta, Ga.

HOLLYHOCKS.

Hollyhocks, red and mix., seedlings, 60c per 100 by mail; $5 per 1,000. Shippensburg Floral Co., Shippensburg, Pa.

Hollyhocks, dbl., 4 colors, 1-yr., 3c. Byer Bros., Chambersburg, Pa.

HYDRANGEAS.

Hydrangeas, Otaksa and Thos. Hogg, 7-12 crowns, $12 per 100; 5-6, $9 per 100; 4, $7 per 100. Jackson & Perkins Co., Newark, N. Y.

Hydrangea Otaksa, 7 and 8-in., $25 per 100. W. F. Kasting, 383 Ellicott St., Buffalo, N. Y.

Hydrangea Otaksa, field-grown, $1.50 and $2 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Hydrangea Pan., $8 per 100. C. M. Niuffer, Springfield, O.

IVY.

Ivy, hardy English, $2 per 100; $15 per 1,000. R. Vincent, Jr. & Son, White Marsh, Md.

JERUSALEM CHERRIES.

Jerusalem cherries, 3½-in. in bloom, $4 per 100. J. W. Dunford, Clayton, Mo.

MARANTAS.

Maranta Lietzii, 2½-in., $1 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

MUSHROOM SPAWN.

Mushroom Spawn, pure culture spawn, and importers of English mushroom spawn. Knud Gundestrup & Co., 4273 Milwaukee Ave., Chicago.

Mushroom spawn, Columbia, Alaska, Bohemia. Cochran Mushroom & Spawn Co., 911 Chemical Bldg., St. Louis, Mo.

Mushroom Spawn, English and pure culture. Weeber & Don, 114 Chambers St., New York.

Mushroom Spawn, frequent importations from England. J. J. Styer, Concordville, Pa.

NURSERY STOCK.

Nursery stock, shade trees, fruit trees, small fruits, shrubs, clematis, Barberry Thungerii. W. & T. Smith Co., Geneva, N. Y.

Nursery stock, trees and shrubs. Price list on application. Peterson's Nursery, 503 W. Peterson Ave., Chicago.

Calycanthus, sweet shrub, 1½ to 2 feet transplanted, $5 per 100. The E. Y. Teas Co., Centerville, Ind.

Nursery stock, evergreen and deciduous flowering shrubs and vines. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, pot-grown shrubs, conifers and ornamental stock. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, Biota aurea nana, conifers, oranges, etc. P. J. Berckmans Co. (Inc.), Augusta, Ga.

Nursery stock, large trees, oak, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, plants and shrubbery of all kinds. Dingee & Conard Co., West Grove, Pa.

ORCHIDS.

Orchids, C. Dowiana, C. Gigas, C. Mossiæ, C. Percivaliana, C. speciosissima, C. Eldorado, C. superba, C. labiata, C. Leopoldii. Lager & Hurrell, Summit, N. J.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England; New York office, room 1, 235 Broadway.

Orchids, C. labiata blooms and plants. Siebrecht & Son, New Rochelle, N. Y.

PALMS.

Palms, Areca Lutes., 4-in., 3 plts. in pot, 15 in., $3.50 per doz.; $25 per 100; 6-in., 3 plts., 24 to 26 ins., $1 each. Cocos Wed., 2¼-in., 5 to 6 ins., $1.50 per doz.; $10 per 100; $90 per 1,000; 3 in., 8 to 10 ins., $2 per doz.; $15 per 100; $140 per 1,000. Kentia Fors., 6-in., 6 lvs., 24 to 28 ins., $1 each; 6-in., 6 lvs., 28 to 30 ins., $1.25; 6-in., 6 lvs., 30 to 32 ins., $1.50; 7-in., 6 lvs., 34 to 36 ins., $2; 7-ins., 6 lvs., 36 to 40 ins., $2.50; 9-in., 6 lvs., 46 to 48 ins., $3.50; 7-in. tubs, 6 lvs., 48 ins., $4; 12-in., 6 to 7 lvs., 8 to 10 ft., $15. Made-up, 9-in., 4 plts. in pot, 3½ ft., $4 each; 9-in. tubs, 4 plts., 4 ft., $5; 12-in., 4 plts., 6½ to 7 ft., $15; 13-in., 4 to 6 plts., 5½ to 6 ft., bushy, $15. Bel., 6-in., 6 lvs., 20 to 24 ins., $1 each; 6-in., 6 lvs., 24 to 26 ins., $1.25; 6-in., 6 to 7 lvs., 26 to 28, $1.50; 7-in., 6 to 7 lvs., 34 to 36 ins., $2.50; 9-in. tubs, 6 to 7 lvs., 48 ins., heavy, $7.50. Latania Borb., 6-in., 6 to 8 lvs., heavy, $10 per doz.; $75 per 100. Livistona Rotundifolia, 4-in., $4 per doz.; $30 per 100. Phœnix Can., 2½ ft., $2 each; 3½ ft., $3.50; 4 to 4½ ft., $5; 4½ to 5 ft., $6. Phœnix Roebelenii, 4-in., 10 ins., $1 each; 5-in., 12 ins., $1.25; 8-in., 18 ins., $3.50. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Palms, Cocos, 2½-in., $1.50 to $1.75 per doz.; C. Bonetti, specimens, $40 each. Kentia Bel., 3-in., $2 per doz.; 6-in., xx, $1.25 each, $15 per doz.; Kentia Fors., 5-in., 60c each, $7.20 per doz., 6-in., $1.25 each, $15 per doz.; 7-in., $2 each, $24 per doz. Phœnix Can., 2-in., $1 per doz.; 5-in., $5 per doz.; 10-in., $3 each; large specimens. Phœnix Recli, 3½-in., $2 per doz.; 4-in., $3 per doz.; 6-in., 50c each, $6 per doz.; 7-in., 75c each. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Palms, Kentia Fors., 6-in. pots, 35 to 40 ins., $1.25 to $1.50; 30 to 35 ins., 4-yr., $1; 5½-in., 25 to 30, 3-yr., 75c; 4-in., made-up, 3 plants to pot, 18 to 20 ins., 25c to 30c. K. Bel., 6-in., 5 to 6 leaves, 30 to 35 ins., $1.25; 5½ to 6 ins., 5 to 6 leaves, 75c to $1. K. Fors., 7-in., made-up, 22 to 24 ins., $2 each. Cocos Wed., 15c. Areca Lutescens, made-up, 4-in. pots, 25c. G. Aschmann, 1012 Ontario St., Philadelphia.

Palms, Kentia Bel. and Fors., all sizes, 15 ins. to 15 feet; $1 to $5 sizes in single and made-up very handsome. Bobbink & Atkins, Rutherford, N. J.

Palms. P. J. Berckmans Co. (Inc.), Augusta, Ga.

Palms. L. Van Houtte Pere, Ghent, Belgium.

If you do not find what you need in our Ready Reference Department, write us about it.

Palms, kentia, 3-in., $7 per 100; Phoenix Can., 4-in., $10 per 100. Ludvig Mosbaek, Onarga, Ill.

Palms of all kinds. R. Dreyer, Woodside, L. I., N. Y.

Palms. A. Schultheis, College Point, L. I., N. Y.

PANSIES.

Pansies, International, English prize, Parisian, Giant, Trimardeau, Odier, $3 per 1,000; 100 by mail, 50c. F. A. Baller, Bloomington, Ill.

Pansies, best mix., $2.50 per 1,000; 2,000 for $4.50. Shippensburg Floral Co., Shippensburg, Pa.

Pansy plants, $2.50 per 1,000; 50c per 100 postpaid. F. A. Blinn, Cromwell, Conn.

Pansies, $3 per 1,000; 50c per 100. Jos. H. Cunningham, Delaware, O.

Pansies, giant prize, mixed colors, $3 per 1,000. Peter Brown, Lancaster, Pa.

Pansies, giant, $3 per 1,000. Byer Bros., Chambersburg, Pa.

PEONIES.

Peonies, choice kinds, Festiva Maxima, Felix Crousse, Queen Victoria, etc., at lowest rates. Fine mixed sorts, $5 per 100. The E. Y. Teas Co., Centerville, Ind.

Peonies, Queen Victoria, $9 per 100. Festiva Maxima, $30 per 100; Fragrans, $6 per 100. G. H. Wild, Sarcoxie, Mo.

Peony Queen Victoria, 3 to 6 eye divs., $10 per 100; $90 per 1,000. Storrs & Harrison Co., Painesville, O.

Peonies, 3,000 7-yr. clumps at $500 per 1,000 f. o. b. Joliet. Chicago Carnation Co., Joliet, Ill.

Peonies, 20 finest sorts. While surplus lasts, 6c. List free. W. H. Salter, Rochester, N. Y.

Peonies, 6 choice kinds, all colors, $8 per 100; $75 per 1,000. F. A. Baller, Bloomington, Ill.

Peonies. Wholesale grower of the best varieties. J. F. Rosenfield, West Point, Neb.

Peonies a specialty. Peterson Nursery, 503 W. Peterson Ave., Chicago...

Peonies, all vars. Jacs Smits, Ltd., Naarden, Holland.

Peonies. W. & T. Smith Co., Geneva, N. Y.

PEPPERS.

Peppers, Celestial or Xmas., 4-in., $1.25 per doz.; $10 per 100. 5-in., $2 per doz.; $15 per 100. Vaughan's Seed Store, Chicago and New York.

Peppers, Celestial or Xmas., 4-in., $1.25 per doz.; $10 per 100, 5-in., $2 per doz.; $15 per 100. Vaughan's Seed Store, Chicago and New York.

Peppers, full of fruit, 4-in., $12 per 100. Storrs & Harrison Co., Painesville, O.

Peppers. Geo. A. Kuhl, Pekin, Ill.

POINSETTIES.

Poinsettias, 2½-in., $4 per 100. Storrs & Harrison Co., Painesville, O.

PRIMULAS.

Primroses, obconica alba and rosea, $2 per 100; $18 per 1,000. Jos. H. Cunningham, Delaware, O.

Primroses, Chinese, 4-in., $8 per 100. G. Aschmann, 1012 Ontario St., Philadelphia.

Primula obconica, alba, rosea, 2-in., $1.50 per 100. Shippensburg Floral Co., Shippensburg, Pa.

Primrose, Baby, 2½-in. pots, 4c each. The Dingee & Conard Co., West Grove, Pa.

Primulas, Chinese and obconica. Geo. A. Kuhl, Pekin, Ill.

Primroses, Chinese, 2-in., 1½c. Byer Bros., Chambersburg, Pa.

Primroses, old fashion double White, 8c. Levant Cole, Battle Creek, Mich.

Primulas, best vars., 3-in., $3 per 100. E. Haentze, Fond du Lac, Wis.

Primula obconica, 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

PRIVET.

Privet, California, the best. R. Dreyer, Woodside, L. I., N. Y.

RHODODENDRONS.

Rhododendrons. Jacs Smits, Ltd., Naarden, Holland.

ROSES.

Roses, Baby Rambler, 1st size, 2 yr., $3 per doz.; $25 per 100; $200 per 1,000. 2nd size, 2 yr., $2.50 per doz.; $20 per 100; $150 per 1,000; 1st size, 1 yr., $2 per doz.; $15 per 100; $120 per 1,000. Pot-grown, 4-in., $3 per doz.; $20 per 100. 5-in., $5 per doz.; $40 per 100. 6-in., $6 per doz., $50 per 100. Etoile de France, 1-yr., dormant, $2 per doz.; $15 per 100. Richmond, 3-in., $8 per 100; $75 per 1,000; 4-in., $12 per 100; $100 per 1,000. Killarney, 3-in., $8 per 100; $75 per 1,000; 4-in., $12 per 100; $100 per 1,000. Vaughan's Seed Store, Chicago and New York.

Roses, 2-yr., field-grown, hybrid perpetuals, $10 and $12 per 100; Crimson Rambler, $9 per 100; Dorothy Perkins, $7 per 100. Lady Gay, 2½-in. pots only. Jackson & Perkins Co., Newark, N. Y.

Roses, Frau K. Druschki, 2-yr., $80 per 1,000. Soleil d Or, $8 per 100. Teplitz, $8. Etoile de France, $25 per 100. Peter Lambert, Trier, Germany.

Rose, Queen Beatrice, finest forcing pink, to be disseminated spring of 1907. F. H. Kramer, 916 F St., N. W., Washington, D. C.

Roses, from 2½-in. pots, Ivory, G. Gate, Bride, Maid, Chatenay. Mrs. J. W. Crouch, 709 Market St., Chattanooga, Tenn.

Roses, C. Soupert, Marie Pavie, C. Rambler, Dorothy Perkins, P. J. Berckmans Co. (Inc.), Augusta, Ga.

Roses, Magna Charta, 2-yr., field-grown, $12 per 100. Storrs & Harrison Co., Painesville, O.

Roses, Dorothy Perkins, strong field plants, $7 per 100. The E. Y. Teas Co., Centerville, Ind.

Roses, Strong 3-in., Bride and Maid, $4; 2½-in., $2. W. H. Gullett & Sons, Lincoln, Ill.

Roses, over 1,000 vars. on own roots, all sizes. Dingee & Conard Co., West Grove, Pa.

Roses, 2-yr., Crimson Rambler, $10 per 100. C. M. Niuffer, Springfield, O.

Roses, Bride and Maid, 3-in., $4 per 100. Ludvig Mosbaek, Onarga, Ill.

Roses, 4-in. pots. Muskogee Carnation Co., Muskogee, Ind. Ter.

Roses, field-grown for forcing. W. & T. Smith Co., Geneva, N. Y.

Roses, 101 sorts. Leedle Floral Co., Springfield, O.

Roses, from 3-in. pots. Wood Bros., Fishkill, N. Y.

Roses, climbing plants. Jacs Smits, Ltd., Naarden, Holland.

SANSEVIERIAS.

Sansevieria Zey., 4 to 5-in., $15; 3-in., $8 per 100. Ludvig Mosbaek, Onarga, Ill.

SEEDS.

Seeds, palm, Kentia Fors., K. Bel., $1.25 per 1,000. Canterburyana, $3 per 1,000. Moorei, $12 per 1,000. Areca Baueri, $1 per 1,000. Seaforthia elegans, 50c per 1,000. Livistona australis, 50c per 1,000. Bacularia monostachya, $1.50 per 1,000. Gymnostachys anceps, $2 per 1,000. Calamus Muelleri, $1.50 per 1,000. Tree seeds, Castanospermum australe, $5 per 1,000. Araucaria excelsa, $1.25 per 1,000. J. Staer, Wahroonga, N. S. W., Australia.

Seeds, Asparagus, A. plumosus nanus, Northern greenhouse grown seed, 100 seeds, 60c; 250 seeds, $1.25; 1,000 seeds, $4.50. Southern greenhouse grown, 1,000 seeds, $2.50; 5,000 seeds, $10. A. plumosus robustus, 100 seeds, $1; 1,000 seeds, $9. Decumbens, 100 seeds, 50c; 1,000 seeds, $4. Comorensis, 100 seeds, $1; 1,000 seeds, $7.50. Cash discount 2 per cent. Vaughan's Seed Store, Chicago and New York.

Seed, Asparagus Comorensis, 50c per 100. R. D. Herr, Refton, Pa.

Seeds, peas, Am. Wonder, Autocrat, Consummate, Duke of York, Alaska, dwf, Telephone, Daisy, Eng. Wonder, Sutton's Excelsior, Green Gem, G. of Devon, Ne Plus Ultra, Prince of Wales, Rentpayer, Strategem, Senator, Stanley, Telephone, Triumph, The Gladstone, Sherwood, Gradus, Thos. Laxton, Wm. Hurst. W. W. Johnson & Son, Ltd., Boston, England.

Seeds, sweet peas, Earliest White, per pkt. (40 seeds), 25c; 5 pkts., 75c net. ½ size pkts., 15c; 2 pkts., 25c; 10 pkts., 75c. Burpee's Earliest of All, per oz., 10c; ¼ lb., 30c; per lb., $1. W. Atlee Burpee & Co., Philadelphia.

Seeds, L. C. Nungesser, Griesheim near Darmstadt, Germany, exporter and importer. Specialties: Selected grass and clover seeds, alfalfa of Provence and Turkestan; free from dodder and cuscuta. Crimson clover.

Seeds, Suhr's genuine Danish Cauliflower, Dwarf Erfurter and Danish Giant; Cabbage, Danish Ball Head. Wholesale only. Write for particulars. E. Suhr, Copenhagen, Denmark.

Seeds, cineraria, large fld., mixed and semi-dwf. mixed, tr. pkt., 50c. Pansy mixed, oz., $4.50; ¼-oz., $1.15; ⅛-oz., 60c. W. C. Beckert, 103 Federal St., Allegheny, Pa.

Seeds, mignonette, New York Market. Sweet peas, pink and white. Tomato, The Don, Stirling Castle. Weeber & Don, 114 Chambers St., New York.

Seeds, all kinds, specialties, onion, carrot, lettuce, sweet peas. Pacific Seed Growers' Co., 109 Market St., San Francisco.

Seeds, Asparagus plumosus, per oz., $1; per lb., $14; 5 lbs., $55; 10 lbs., $100. F. G. Taylor Seed Co., Glendale, Cal.

Seeds, Hollyhock, Myosotis, Pansies, all seeds. Hasslach & Roumanille, seed growers, St. Remyde Provence, France.

Seeds, all kinds of vegetable and flower seeds. C. C. Morse & Co., 171 Clay St., San Francisco.

Seeds, Asparagus plumosus, $3.50 per 1,000 seeds. J. M. Thorburn & Co., 33 Barclay St., New York.

Seeds, 5,400 acres of garden seeds in cultivation. Braslan Seed Growers' Co., San Jose, Cal.

Seeds of all kinds. Stokes Seed Store, 219 Market St., Philadelphia.

Seeds of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Seeds, Snowball cauliflower. R. Wiboltt, Nakskov, Denmark.

Seeds. W. Atlee Burpee Co., Philadelphia, Pa.

SELAGINELLAS.

Selaginella Denticulata, 3-in., $1 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

SMILAX.

Smilax, 2-in., strong, $1 per 100; $9 per 1,000. C. Humfeld, Clay Center, Kan.

Smilax, 3-in., $4 per 100; $35 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Smilax, $2 per 100; $15 per 1,000. R. Vincent, Jr. & Son, White Marsh, Md.

Smilax, $1 per 100; $9 per 1,000. Jos. H. Cunningham, Delaware, O.

Smilax, 3-in., $3; 2¼-in., $2. W. H. Gullett & Sons, Lincoln, Ill.

Smilax, 2-in., $1. E. Heantze, Fond du Lac, Wis.

Smilax. Wood Bros., Fishkill, N. Y.

SPIREAS.

Spirea Van Houttei. W. & T. Smith Co., Geneva, N. Y.

Spireas. Jacs Smits, Ltd., Naarden, Holland.

STEVIAS.

Stevia, fine large plants, 6-in., 20c; 7-in., 25c; 8-in., 30c. Thos. Salveson, Petersburg, Ill.

VERBENAS.

Verbenas, Ellen Wilmette, 2-in., $2 per 100. Ludvig Mosbaek, Onarga, Ill.

If you do not find what you need in our Ready Reference Department, write us about it.

Verbenas, 60 named vars., Rooted cuttings, 75c per 100; $6 per 1,000. Plants, $2.50 per 100; $20 per 1,000. J. L. Dillon, Bloomsburg, Pa.

VINCAS.

Vinca Minor, Hardy periwinkle, good clumps, $1.50 per 100; $10 per 1,000. The E. Y. Teas Co., Centerville, Ind.

Vinca Var., 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

Vinca Var., from field, $5 per 100. Jos. H. Cunningham, Delaware, O.

VIOLETS.

Violets, Gov. Herrick, new single violet, good keeper; rooted cuttings, $2 per doz.; $10 per 100; $75 per 1,000; 5,000 or more, $60 per 1,000. H. R. Carlton, Willoughby, O.

Violet plants, Marie Louise and Princess of Wales, field-grown, $5 per 100. Holton & Hunkel Co., Milwaukee, Wis.

Violets, California, large clumps, $5 per 100. J. W. Dunford, Clayton, Mo.

Violets. Wood Bros., Fishkill, N. Y.

WISTARIAS.

Wistaria Magnifica, 3-yr., strong, $3 per 100. The E. Y. Teas Co., Centerville, Ind.

WHOLESALE CUT FLOWERS.

Commission Dealers.

Allen J. K., 106 W. 28th St., New York.

Amling, E. C., 32-36 Randolph St., Chicago.

Berning, H. G., 1402 Pine St., St. Louis.

Cleveland Cut Flower Co., 215 Huron road, Cleveland, O.

Deamud, J. B., Co., 51 Wabash Ave., Chicago.

Flower Growers' Market, 60 Wabash Ave., Chicago.

Ford Bros., 48 W. 28th St., New York.

Froment, Horace E., 57 W. 28th St., New York.

Guttman, Alex. J., 43 W. 28th St., N. Y.

Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Henshaw, A. M., 52 W. 28th St., New York.

Horan, Edward C., 55 W. 28th, N. Y.

Hunt, E. H., 76 Wabash Ave., Chicago.

Kennicott Bros. Co., 40-44 Randolph St., Chicago.

Kessler, Phil. F., 55 W. 26th St., N. Y.

Kuehn, C. A., 1122 Pine St., St. Louis.

Langjahr, Alfred H., 55 W. 28th St., New York.

McCullough's Sons Co., J. M., 316 Walnut St., Cincinnati, O.

McKellar, Chas. W., 51 Wabash Ave., Chicago.

McKissick, W. E., 1221 Filbert St., Philadelphia.

Pennock-Meehan Co., 1608-18 Ludlow St., Philadelphia.

Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Murdoch, J. B. & Co., 545 Liberty Ave., Pittsburg, Pa.

N. Y. Cut Flower Ex., Coogan Bldg., 6th Ave. and W. 26th St., New York.

Niessen Co., Leo, 1217 Arch St., Phila.

Pittsburg Cut Flower Co., Ltd., 504 Liberty Ave., Pittsburg, Pa.

Pittsburg Florists' Exchange, 217-223 Diamond St., Pittsburg, Pa.

Pollworth, C. C. Co., Milwaukee, Wis.

Randall, A. L. Co., 19 Randolph St., Chicago.

Raynor, John I., 49 W. 28th St., N. Y.

Rice Bros., 128 N. 6th St., Minneapolis, Minn.

Seligman, John, 56 W. 26th St., N. Y.

Sheridan, Walter F., 39 W. 28th St., New York.

Traendley & Schenck, 44 W. 28th St., New York.

Vaughan & Sperry, 58-60 Wabash Ave., Chicago.

Welch Bros., 226 Devonshire St., Boston.

Winterson, E. F. Co., 45-49 Wabash Ave., Chicago.

Young, A. L. & Co., 54 W. 28th St., New York.

Young, Thos., 43 W. 28th St., N. Y.

Zech & Mann, 51 Wabash Ave., Chicago.

Growers.

Bassett & Washburn, 76-78 Wabash Ave., Chicago.

Benthey-Coatsworth Co., The, 35 Randolph St., Chicago.

Bruns, H. N., 1409-1411 W. Madison St., Chicago.

Budlong, J. A., 37-39 Randolph St., Chicago.

Chatogue Greenhouses, Mobile, Ala.

Elliott, W. H., Brighton, Mass.

Fick, Chas. F., San Mateo, Cal.

Hill, The E. G. Co., Richmond, Ind.

Jensen & Dekema, 674 W. Foster Ave., Chicago.

Muskogee Carnation Co., Muskogee, I. T.

Peacock Dahlia Farms, Atco, N. J.

Poehlmann Bros. Co., 35-37 Randolph St., Chicago.

Reinberg, Peter, 51 Wabash Ave., Chicago.

Sinner Bros., 60 Wabash Ave., Chicago.

Weiland & Risch, 59 Wabash Ave., Chicago.

Wietor Bros., 51 Wabash Ave., Chicago.

Wilcox, J. F., Council Bluffs, Iowa.

Wittbold, Geo. Co., 1657 Buckingham Place, Chicago.

RETAIL CUT FLOWERS.

Atlanta Floral Co., 41 Peachtree St., Atlanta, Ga.

Berterman Bros. Co., 241 Massachusetts Ave., Indianapolis, Ind.

Breitmeyer's Sons, John, cor. Miami and Gratiot Aves., Detroit, Mich.

Cooke, George H., Connecticut Ave. and L St., Washington, D. C.

Daniels & Fisher, Denver, Colo.

Donohoe, W. H., 2 W. 29th St., N. Y.

Eyres, H. G., 11 N. Pearl St., Albany, N. Y.

Gude, A. & Bro., 1214 F St., Washington, D. C.

Hansen, Mrs. M. A., Galveston, Tex.

Hauswirth, P. J., Audit. Annex, Chi.

Hess & Swoboda, 1415 Farnum St., Omaha, Neb.

Holm & Olson, St. Paul, Minn.

Kellogg, Geo. M., 906 Grand Ave., Kansas City, Mo.; also Pleasant Hill, Mo.

Lange, A., 40 E. Madison St., Chicago.

Livingston Seed Co., Columbus, O.

Matthews, 16 W. 3rd St., Dayton, O.

Mayberry & Hoover, 1339 14th St., N. W., Washington, D. C.

McConnell, Alex., 571 Fifth Ave., Windsor Arcade, New York.

Miller, Theo., 4832 Delmar Blvd., St. Louis, Mo.

Mills The Florist, 36 W. Forsyth St., Jacksonville, Fla.

Murray, Samuel, Coates House Con., 1017 Broadway, Kansas City, Mo.

Park Floral Co., The, Denver, Col.

Palmer's, Buffalo, N. Y.

Schulz, J., 644 4th Ave., Louisville, Ky.

Virgin, Uriah J., 833 Canal St., New Orleans, La.

Weber, Fred C., 4320-28 Olive St., St. Louis, Mo.

Wilcox, J. F., Council Bluffs, Iowa.

Wilson, Robt. G., Fulton St. and Greene Ave., Brooklyn, N. Y.

BOILERS.

Boilers, improved greenhouse boilers, made of best material; shell firebox sheets and heads of steel; water space all around (front, sides and back). Kroeschell Bros. Co., 45 Erie Street, Chicago.

Boilers, Gurney heaters, heat by steam or hot water. Gurney Heater Mfg. Co., 111 5th Ave., New York; 74 Franklin St., Boston.

Boilers, the Burnham boilers, made for greenhouse heating. Lord & Burnham Co., 1133 Broadway, New York.

Boilers, corrugated, fire box and sectional, greenhouse heating. Hitchings & Co., 1170 Broadway, New York.

Boilers, boilers of high grade for greenhouses. Steam and hot water. Giblin & Co., Utica, N. Y.

Boilers of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Boilers, water tube steam boilers. King Construction Co., N. Tonawanda, N. Y.

Boilers, write for prices. Johnston Heating Co., 1133 Broadway, N. Y.

Boilers. Myers & Co., 1122 Betz Bldg., Philadelphia.

BOXES.

Cut Flower Boxes, water-proof; corner lock style. No charge for printing on orders above 250 boxes. Livingston Seed Co., Columbus, O.

Cut Flower Boxes; send for prices. Edwards Folding Box Co., Philadelphia, Pa.

BUILDING MATERIAL.

Building material, lumber for greenhouse benches. Ship lap, drop siding, sheathing, flooring, white cedar posts, etc. We are in special position to furnish "Pecky Cypress"; everything in pine and hemlock building lumber. Adam Schillo Lumber Co., cor. Weed and Hawthorne Sts., Chicago.

Building Material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouses and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building Material, cypress sash bars. Tennessee red cedar posts, pecky cypress benches, hotbed sash and frames, ventilating apparatus, pine, fittings and all supplies needed in new or reconstruction work. Foley Mfg. Co., 471 W. 22d St., Chicago.

Building Material. Our designs embody best features of greenhouse construction. Best grade gulf cypress used. Red cedar posts, iron fittings, hotbed sash. Lockland Lumber Co., Lockland, Ohio.

Building Material, cypress sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 111-125 Blackhawk St., Chicago.

Building Material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 617 Sheffield Ave., Chicago.

Building Material for U-Bar greenhouses. Pierson U-Bar Co., Metropolitan Bldg., 4th Ave. and 23d St., N. Y.

Building Material of all descriptions, cold frames, hotbed sash, etc. Lord & Burnham Co., 1133 Broadway, N. Y.

Building Material, cold frames, hotbed sash of every description. Hitchings & Co., 1170 Broadway, New York.

Greenhouse materials of all kinds for greenhouse heating. Johnston Heating Co., 1133 Broadway, New York.

Building material of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Building Material of all kinds. S. Jacobs & Sons, 1365-79 Flushing Ave., Brooklyn, N. Y.

CUT FLOWER HOLDER.

"Japana" flower holder, 4½-in., 50c; 3½-in., 35c; 2½-in., 25c. M. V. Garnsey, 131 So. Waiola Ave., La Grange, Ill.

FERTILIZERS.

Wizard Brand pulverized sheep manure. The Pulverized Manure Co., 32 Exchange Ave., Chicago.

If you do not find what you need in our Ready Reference Department, write us about it.

A sample 100-lb. bag of BLATCHFORD'S PLANT GROWER AND LAND RENOVATOR FERTILIZER only $2.75. It is composed solely of pure Rose Growers' Bone Meal, Nitrate of Soda, Peruvian Guano, Sulphate of Ammonia, Sulphate of Potash and Gypsum, in the correct proportions. For benches and potting plants, roses, carnations, lilies, mums, etc., it has never been surpassed. Address

THE BARWELL AGRICULTUARL WORKS, WAUKEGAN, ILL.

Est. at Leicester, England, in 1800.

GLASS.

Glass importers and jobbers; greenhouse glass a specialty. Window glass. James H. Rice, corner Michigan, St. Clair and Illinois Sts., Chicago.

Glass, plate and window glass, greenhouse glass a specialty. Sprague-Smith Co., 167-169 Randolph St., Chicago.

Glass, a lot of 16x18 A and B double strength at low price. A. Dietsch Co., 617 Sheffield Ave., Chicago.

Glass, window glass. Greenhouse glass a specialty. H. M. Hooker Co., 50 W. Randolph St., Chicago.

Glass, French and American "White Rose" brand. Stenzel Glass Co., 2 Hudson St., New York.

Glass, all sizes. Metropolitan Material Co., 1398 Metropolitan Ave., Brooklyn, N. Y.

Glass, all kinds and sizes. Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.

Glass, special greenhouse. G. F. Reynolds, Durhamville, N. Y.

GLAZING POINTS.

Glazing Points, see the point? Holds glass firmly. Peerless glazing points are the best. No rights or lefts. Box of 1,000 points, 75c, postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

GOLD FISH.

Gold Fish, Comets, Japanese Fantails, Fringetails, Telescopes, etc. Fish globes and aquariums. The J. M. McCullough's Sons Co., 316 Walnut St., Cincinnati, O.

Goldfish aquaria and aquarium supplies. Fred. Kaempfer, 88 State St., Chicago.

GREENHOUSE CONSTRUCTION.

Greenhouse Construction, builders of greenhouses for private estates, institutions, parks, etc. Pierson U-Bar Co., Metropolitan Bldg., 4th Ave. and 23d St., New York.

Greenhouse Construction, sash bar greenhouses. New Truss construction and iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse Construction, builders of every type of greenhouses; the most modern designs. Hitchings & Co., 1170 Broadway, N. Y.

Greenhouse Construction, builders of modern greenhouses. Myers & Co., 1122 Betz Bldg., Philadelphia.

GUTTERS.

Gutters, Garland's gutters will keep snow and ice off your glass. A sample of our gutter is on exhibition at Chicago Flower Growers' Market. Geo. M. Garland, Des Plaines, Ill.

Gutters, Lord & Burnham Improved V-shape gutter, with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

Gutters, new duplex gutter, only drip-proof gutter on the market. E. Hippard, Youngstown, O.

Gutters, Jennings, improved iron gutters. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

INSECTICIDES.

Insecticides, Nicoteen Aphis Punk, 60c per box 12 sheets; $6.50 per case of 12 boxes. Nikoteen Liquid, $1.50 per pint; $13 per case of 10 pints. Nicotine Mfg. Co., St. Louis, Mo.

Fumigating Supplies, vaporizing pans for tobacco extracts, improved. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

Insecticides, tobacco paper, 24 sheets, 75c; 144, $3.50; 288, $6.50; 1,725, $35.10. Nico-Fume Liquid, pint, $1.50; ½ gal., $5.50; gal., $10.50; 5 gal., $47.25 Kentucky Tobacco Product Co., Louisville, Ky.

Insecticides, Carman's Antipest insecticide and fungicide, $1.50 per gal. Perfection Chemical Co., Flushing, N. Y.

Wilson's Plant Oil for all kinds of plants. In 4-oz. to 1-gal. sizes. Andrew Wilson, 437 Springfield Ave., Summit, N. J.

Insecticide, Nicoticide, Bug Killer, the best bug killer and bloom saver. P. R. Palethorpe Co., Louisville, Ky.

Fumigating Supplies, tobacco dust for fumigating. Edwin L. Koppelman & Co., 81 Pine St., New York.

Fine, pure tobacco dust $2 per cwt.; $30 per ton. Wm. C. Smith & Co., St. Louis, Mo.

Fumigating Supplies, tobacco powder and stems. The H. A. Stoothoff Co., 116 West St., New York.

LAWN MOWERS.

Lawn Mower. The Clipper lawn mower, No. 1, 12-in., $5; No. 2, 15-in., $6; No. 3, 18-in., $7; No. 4, 21-in., $8. Draft, money order or reg. letter. Clipper Lawn Mower Co., Dixon, Ill.

METAL DESIGNS.

Metal signs, send for prices. A. Herrmann, 404-12 E. 34th St., New York.

MISCELLANEOUS.

Engravings, best engravings and illustrations of every description for catalogues. Send for estimates. Globe Eng. & Elec. Co., 427 Dearborn St., Chicago.

Printing, large runs of catalogues a specialty. Write for figures. Regan Printing House, 89-91 Plymouth Place, Chicago.

Florists' overdue accounts and bad debts collected by the National Florists' Board of Trade, 56 Pine St., N. Y.

PAINT, PUTTY, ETC.

Paint, Ideal Greenhouse Lead; Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, N. Y.

Paint, Putty, etc. H. M. Hooker Co., 59 W. Randolph St., Chicago.

Paint, Putty, etc. The Jas. H. Rice Co., 80-82 Wabash Ave., Chicago.

PIPE, FITTINGS, ETC.

Pipe, iron fittings, etc., galvanized iron sash hinges, screw eyes, screw hooks, U bolts, galvanized iron buckles and wires. Fittings for purlin and ridge supports. Foley Mfg. Co., 471 W. 22d St., Chicago.

Iron Fittings, etc.; send for prices. Lockland Lumber Co., Lockland, O.

Iron Fittings, patent iron bench fittings and roof supporters. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

A Bargain, 4-in. cast iron pipes, 5 feet lengths at 12c per foot. C. C. Pollworth Co., Milwaukee.

Pipes, valves, fittings of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

POTS, PANS, ETC.

Pots, standard flower, 1½ in., $2.77 per 1,000; 2-in., $3.33; 2½-in., $3.88; 3-in., $5.27; 3½-in., $6.10; 4-in., $7.77; 4½-in., $10; 5-in., $13.60; 6-in., $22.20; 7-in., $4 per 100; 8-in., $6; 9-in., $8.88; 10-in., $13.33; 12-in., $22.22; 14-in., $38.88; 16-in., $66.66; 20-in., $1.25 each. Azalea pots and bulb pans same price. 2x2½ in. rose pots, $3.50 per 1,000. A. F. Kohr, 1521 N. Leavitt St., Chicago.

Pots, standard, seed pans, cut flower cylinders, hanging baskets, lawn vases, etc. Hilfinger Bros. Pottery, Ft. Edward, N. Y.

Pots, standard flower pots. The Whildin Pottery Co., Philadelphia, Pa.; Jersey City, N. J.; Long Island City, N. Y.

Pots, before buying write for prices. Geo. Keller & Son, 361-63 Herndon St., near Wrightwood Ave., Chicago.

Pots, red standard. Paducah Pottery Co., Paducah, Ky.

Pots, red standards, full size and wide bottoms. Detroit Flower Pot Mfy., 490 Howard St., Detroit, Mich.

Pots, pots of all kinds. A. H. Hews & Co., No. Cambridge, Mass.; Long Island City, N. Y.

Pots, red standard, azalea pots. The Keller Pottery Co., 213-223 Pearl St., Norristown, Pa.

Pots, all sizes. Ionia Pottery Co., Ionia, Mich.

Pots, Syracuse, red. Syracuse Pottery Co., Syracuse, N. Y.

Pot hangers, Kramer's $1 doz. by exp., $1.25 by mail. I. N. Kramer & Son, Cedar Rapids, Ia.

PUMPING ENGINES.

Pumping Engines, two streams of water for 1 hour cost 2 cents if you use a Standard pumping engine. The Standard Pump & Engine Co., Cleveland, O.

RAFFIA.

Raffia, samples free if you mention the American Florist. Large assortment of colors. R. H. Comey Co., Camden, N. J., 810-24 Washburn Ave., Chicago.

SEED CASES.

Seed cases, Heller's mice proof. W. C. Heller & Co., Montpelier, O.

STEAM TRAPS.

Steam Traps, the Standard return steam trap has no equal for its simplicity of working. E. Hippard, Youngstown, O.

Steam traps, Morehead Return. Morehead Mfg. Co., 1047 Grand River Ave., Detroit, Mich.

SUPPLIES.

Supplies, milkweeds, wire designs, cut wire, all kinds of letters, immortelles, cycas leaves, sheaves of wheat, ribbons, corrugated boxes of all kinds. Henry M. Robinson & Co., 8-11 Province St., Boston, Mass.

Supplies, cape flowers, cycas leaves, metal designs and all florists' supplies. A. Herrmann, 404-12 E. 34th St., New York.

Supplies, importers and manufacturers of florists' supplies. L. Baumann & Co., 78 Wabash Ave., Chicago.

Supplies, importers and manufacturers of florists' supplies. Reed and Keller, 122 W. 25th St., New York.

Supplies, wire designs, etc. The Cleveland Cut Flower Co., 215 Huron road, Cleveland, O.

Supplies and novelties of all kinds. J. Stern & Co., 1928 Germantown Ave., Philadelphia.

Supplies of all kinds. E. F. Winterson Co., 45 Wabash Ave., Chicago.

Supplies, wire designs. Pittsburg Florists' Ex., 228 Diamond St., Pittsburg, Pa.

Supplies, flower baskets, novelties. Riessner Bros., Lichtenfels, Bavaria.

TOOTHPICKS.

Toothpicks, wired, $1.50 per 10,000; $6.25 per 50,000. W. J. Cowee, Mfr., Berlin, N. Y.

VAPORISERS.

Vaporiser, Campbell's Patent Sulphur Vaporiser. Kills all mildews, plant diseases and red spider. No. 1, $5; No. 2, $7.50. Exors R. Campbell, Manchester, England.

VENTILATING APPARATUS.

Ventilators, The Advance Ventilating Apparatus. Write for estimates and circulars. The Advance Co., Richmond, Ind.

Ventilators, the Standard ventilating machinery; original machine with self oiling cups, most powerful, least complicated, very compact. E. Hippard, Youngstown, O.

Ventilators, Evans' Improved Challenge ventilating apparatus. Quaker City Machine Works, Richmond, Ind.

Ventilating Apparatus. Send for circulars. Diller, Caskey & Co., cor. 6th and Berk Sts., Philadelphia.

If you do not find what you need in our Ready Reference Department, write us about it.

Ventilating apparatus for every type of greenhouses. Lord & Burnham Co., 1133 Broadway, New York.

Ventilators, hand ventilating, etc. The King Construction Co., N. Tonawanda, N. Y.

Ventilators, ventilating apparatus of all kinds. Hitchings & Co., 1170 Broadway, New York.

Ventilators, New Departure ventilating appliance. J. D. Carmody, Evansville, Ind.

WIRE SUPPORTS.

Wire supports, model extension carnation supports, galvanized wire rose stakes, tying wires, single and double pot hangers. Igoe Bros., 63 Metropolitan Ave., Brooklyn, N. Y.

FUMIGATION METHODS

By PROF. W. G. JOHNSON

Formerly State Entomologist of Maryland

A Practical Treatise and timely work on cheap and effective means of destroying insect pests and other vermin in various places. This work is the outcome of practical tests made by the author, together with the experiences of others, and is one of the most important books published this season and is much needed at this time. It will be of particular interest to

FRUIT GROWERS AND NURSERYMEN owing to the widespread prevalence of the notorious San Jose scale. Hydrocyanic acid gas is the only practical remedy for the destruction of this pest and is being used more extensively than ever before by nurserymen and fruit growers. The perfection of the apparatus for fumigating young orchard trees is outlined in this work. The methods can be easily applied in orchards and nurseries for many dangerous pests at very small cost. The writer is considered the best authority on this subject in this country and has left nothing undone to make this the most complete work of the kind ever published.

GARDENERS AND FLORISTS have found that vegetables and flowers cannot be grown under glass without frequent fumigation for the destruction of insect pests. Hydrocyanic acid gas has solved this problem. The methods of procedure are fully described and every detail is given for generating and applying the gas.

MILLERS AND GRAIN DEALERS have been looking forward to the publication of this work, as hydrocyanic acid gas has been found one of the most important materials for clearing mills and warehouses of insects. The subject of carbon bisulphide for fumigating mills and elevators containing grain in storage is also thoroughly considered. To this trade the work is indispensable and transportation companies have found it of great value for the fumigation of cars, ships and other inclosures infested with vermin.

FARMERS OF THE COUNTRY have here fully described a simple, easy remedy for gophers, prairie dogs, squirrels and other animals in the ground, and rats and mice in any inclosure.

COLLEGE AND STATION WORKERS will find it an up-to-date reference work on this subject. It is complete in every respect and is the only work of the kind ever published. It is written in a popular non-technical style, profusely illustrated, handsomely bound, covering 250 pages, price, postpaid, $1.00.

AMERICAN FLORIST COMPANY,

324 Dearborn Street, CHICAGO.

BOOKS FOR FLORISTS.

The time is coming along when these are needed and opportunity at hand for reading them. Every one of the following should be in your library.

Send prices quoted and we send the books.

PRACTICAL FLORICULTURE (Peter Henderson).—A guide to the successful propagation and cultivation of florists' plants. Illustrated. 325 pages. $1.50.

GREENHOUSE CONSTRUCTION (Taft).—It tells the whole story about how to build and heat a greenhouse, be it large or small, and that, too, in a plain, easily understood, practical way. It has 118 illustrations. $1.50.

THE GOLDFISH (Mulertt).—A number of florists find goldfish an attractive and paying addition to their business. The best advice is given in every department of the subject, including construction and care of the parlor aquarium, in this volume of 160 pages, handsomely illustrated. $2.00.

MUSHROOMS: HOW TO GROW THEM (Falconer).—The only American book on the subject, 29 illustrations. Written by a practical mushroom grower, who tells the whole story so tersely and plainly that a child can understand it. This book has increased mushroom growing in this country three fold in three years. $1.50.

LANDSCAPE GARDENING (Maynard).—The development of landscape art within the past few years compels the wide awake florist to keep posted on this branch of the business. The many suggestions of this book will be found helpful every business day. It contains 338 pages, 165 illustrations. $1.50.

THE ORCHARD AND FRUIT GARDEN (Powell).—One of the most complete works we have seen on this subject for a considerable period. It is divided into three parts, the orchard, the fruit garden and cultural directions. The volume is well illustrated and the author is a practical man who knows his subject. The book contains 321 pages. $1.50.

THE VEGETABLE GARDEN (Vilmorin-Andrieux).—The best and most complete book on vegetables ever published. There are 782 pages and hundreds of illustrations in this English edition, edited by Wm. Robinson, the noted English horticultural writer. $6.00.

THE ROSE.—Its cultivation, varieties, etc. (H. B. Ellwanger).—A complete guide of the cultivation of the rose, together with the classification of all the leading varieties. $1.25.

ASPARAGUS (Hexamer).—A practical treatise on the planting, cultivation, harvesting and preserving of asparagus, with notes on its history and botany. This book is mainly devoted to the culinary kind of asparagus, but there is also some reference to the ornamental species. 50 cents.

CABBAGES, CAULIFLOWER AND ALLIED VEGETABLES (Allen).—The requirements of the important vegetables of the cabbage tribe are given here very fully. The book also contains interesting chapters on seed raising, insects, pests and fungus diseases common to these plants. 50 cents.

LANDSCAPE GARDENING (Waugh).—This is a very useful little book on the art of landscape gardening. It will be found exceptionally valuable to amateurs, as it covers in detail the numerous problems that come to the owners of small gardens. It is freely illustrated and the pictures have been chosen with a view to informing the reader rather than decorating the book. 50 cents.

THE AMERICAN CARNATION (C. W. Ward).—A complete treatment of all the most modern methods of cultivating this most important flower. Illustrated. $3.50.

THE PRINCIPLES OF FRUIT GROWING (Bailey).—The entire subject of fruit culture is treated very thoroughly in this illustrated volume of 516 pages. It is a book that no up-to-date fruit grower can afford to be without. $1.25.

HEATING AND VENTILATING BUILDINGS. (Carpenter).—This book covers the entire subject most fully. In the preparation of heating and ventilating plans it will be found a most valuable guide. $4.00.

CELERY CULTURE (Vaughan).—The important subject of celery culture is thoroughly covered in this illustrated pamphlet of 59 pages. The florist raising young plants of celery and those who grow the plants to maturity will alike find it valuable. 50 cents.

HOW TO GROW CUT FLOWERS (Hunt).—The only book on the subject. It is a thoroughly reliable work by an eminently successful, practical florist. Illustrated. $2.00.

THE HORTICULTURISTS' RULE-BOOK (L. H. Bailey).—Contains information valuable to all those engaged in any branch of horticulture. Illustrated. 312 pages. 75 cents.

GINSENG (Kains).—At the present time, when so much interest is taken in ginseng, it will be interesting to peruse this volume, which tells all about the plant in a way that all may understand. The 144 pages are freely illustrated. 50 cents.

SUCCESS IN MARKET GARDENING (Rawson).—Written by one of the most prominent and successful market gardeners in the country, and who has the large t glasshouses for forcing vegetables for market in America. Outdoor and indoor crops are treated. Illustrated, $1.00.

HEDGES, WINDBREAKS, ETC. (Powell).—A treatise on the planting, growth and management of hedge plants for country and suburban homes. A volume of 140 pages, with twenty-two illustrations. 50 cents.

STEAM HEATING FOR BUILDERS (Baldwin).—Contains valuable data and hints for steam fitters and those who employ this method of heating. The 350 pages are fully illustrated. $2.50.

MANUAL OF THE TREES OF NORTH AMERICA (Sargent).—The most complete and authentic work on the subject. The pages number 826, with over 600 illustrations. $6.00.

THE CULTURE OF WATER LILIES AND AQUATIC PLANTS (Henderson).—Growers of hardy and tender water lilies and other aquatics will find this an excellent guide in cultural and descriptive matters. The lists of varieties have been very carefully prepared. Handsomely illustrated. 50 cents.

HOW TO MAKE MONEY GROWING VIOLETS (Saltford).—This is by a practical grower who has made a success of the business. No grower of violets can afford to be without it. 25 cents.

AMERICAN FLORIST COMPANY,

324 Dearborn Street, CHICAGO

ELECTROS...

For Catalogue Purposes.

WE have a large assortment of strictly high-class halftones of which we can supply electros suitable for catalogue illustration. If you need anything in this way, state your requirements and we will submit proofs of the illustrations in stock

Price for cash only 15 cents per square inch.

THE AMERICAN FLORIST CO.,

.....324 Dearborn St., CHICAGO.

The Whilldin Pottery Co.

STANDARD FLOWER POTS

Our output of Flower Pots is larger than any concern in the World
Our Stock is always Large and Complete

Main Office and Factory,

713 WHARTON STREET, PHILADELPHIA

Warehouses: JERSEY CITY, N. J. LONG ISLAND CITY, N. Y.

FLORIST WARE OF EVERY KIND

A. H. HEWS & CO. INC.

CAMBRIDGE, MASS.

POT MAKERS FOR 140 YEARS

CLIPPER LAWN MOWER CO. DIXON ILL.

The Mower that will **kill all the Weeds in your Lawn.** If you keep the weeds cut so they do not go to seed and cut your grass without breaking the small feeders of roots, the grass will become thick and the weeds will disappear.

The Clipper will do it. Ask your dealer for them. If they have not got them, below is the price: No. 1—12-inch Mower $5; No. 2—15-inch Mower, $6; No. 3—18-inch Mower, $7; No. 4—21-in. Mower, $8. Send draft, money-order or reg. letter.

THE KELLER POTTERY COMPANY,

Manufacturers of FLORISTS' RED STANDARD POTS.

Azalea Pots, Bulb and Fern Pans, Etc.

Write for Price List. 213-15-17-19-21-23 Pearl St., NORRISTOWN, PA.

IONIA CLAY is the BEST CLAY

We would not dare to claim to make the BEST POT—BEST in STRENGTH, SMOOTHNESS and POROSITY—if the claim was not true. Our capital and business integrity for 35 years stands behind the assertion. A perfect mail order system and skilled packers enable us to ship your order the day it is received.

A postal brings our general catalogue.

IONIA POTTERY COMPANY, Ionia, Mich.

THE BEST Bug Killer and Bloom Saver.

For **PROOF** Write to

P. R. PALETHORPE COMPANY,

LOUISVILLE, KY.

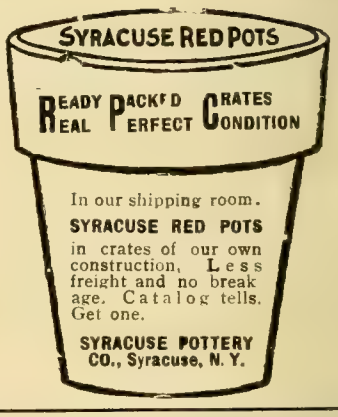
Standard Flower Pots!

Packed in small crates, easy to handle.

	Price per crate		Price per crate
1500 2-in., in crate,	$4 88	120 7-in., in crate,	$4 20
1500 2¼ "	5.25	60 8 "	3.00
1500 2½ "	6.00	HAND MADE.	
1000 3 "	5.00	48 9-in., in crate,	$3.60
800 3½ "	5.80	48 10 "	4.80
500 4 "	4.50	24 11 "	3.60
320 5 "	4 51	24 12 "	4.80
144 6 "	3.16	12 14 "	4.80
		6 16 "	4.50

Seed pans, same price as pots. Send for price list Cylinders for Cut Flowers, Hanging Baskets, Lawn vases, etc. Ten per cent off for cash with order. Address

HILFINGER BROS. POTTERY, Fort Edward, N. Y
or AUGUST ROLKER & SONS, New York Agents,
31 Barclay Street, New York City.



CUT FLOWER BOXES WATERPROOF Corner Lock Style.

The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always.

Size No.		Per 100	Per 1000
0.	3x 4x20	$2.00	$19.00
1.	3x 4½x16	1.90	17.50
2.	3x 6x18	2.00	19.00
3.	4x 8x18	2.50	23.00
4.	3x 5x24	2.75	26.00
5.	4x 8x22	3.00	28.50
6.	4x 8x28	3.75	36.00
7.	6x16x20	5.50	54.00
8.	3x 7x21	3.00	28.50
9.	5x10x35	6.50	62.00
10.	7x20x20	9.50	67.50
11.	3½x5x30	3.00	28.50

Sample free on application. No charge for printing on orders above 250 boxes. Terms cash.

THE LIVINGSTON SEED COMPANY,
Box 104, COLUMBUS, OHIO.

Please mention the American Florist when writing

STANDARD FLOWER POTS

No Charge for Crates or Packing.

Inches	per 1000	Inches	per 100
1½	$ 2.77	7	$ 4.60
2	3.33	8	6.00
2½	3.88	9	8.88
3	5.27	10	13.33
3½	6.10	12	22.22
4	7.77	14	38.88
4½	10.00	16	66.66
5	13 60	20	each, 1.25
6	22.20		

Azalea Pots and Bulb Pans same as **Standard Pots.** 2 and 2½-in Rose Pots, $3.50 per 1000. These pots are **carefully made,** very strong and porous. Liberal count is given, thereby protecting our patrons against possible breakage. **Above prices subject to 10 per cent. discount for cash.**

A. F. KOHR, 1521-23-25 N. Leavitt St, Chicago.

GEO. KELLER & SON,

MANUFACTURERS OF

FLOWER POTS.

Before buying write for prices.

361-363 Herndon Street, near Wrightwood Ave., CHICAGO, ILL.

Those Red Pots

"STANDARDS"

FULL SIZE AND WIDE BOTTOMS, BULB PANS AND AZALEA POTS.

DETROIT FLOWER POT M'F'Y.

HARRY BALSLEY, Rep. DETROIT, MICH. 490 Howard St.

Kramer's Pot Hangers

For Sale by Wholesale Seedsmen, Florists and Supply Dealers.

Price, $1.00 per dozen by express. Sample dozen by mail, $1.25.

L. N. Kramer & Son, CEDAR RAPIDS, IOWA.

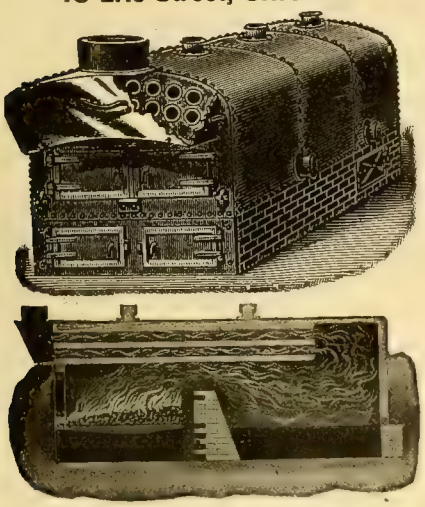
Red Standard Flower Pots

Price list and samples on application.

PADUCAH POTTERY CO., Inc.

PADUCAH, KENTUCKY.

KROESCHELL BROS. CO.
IMPROVED
Greenhouse Boiler
45 Erie Street, CHICAGO.



Boilers made of the best of material, shell, fire-box sheets and heads of steel, water space all around (front, sides and back). Write for information.

NIKOTEEN APHIS PUNK
THE ORIGINAL AND GENUINE
NICOTINE FUMIGANT
STRONGEST AND MOST UNIFORM
PRICE 60¢ PER BOX OF 12 LONG SHEETS
$6.50 PER CASE OF 12 BOXES
NIKOTEEN
LIQUID
FOR SPRAYING OR VAPORIZING
PRICE $1.50 PER PINT BOTTLE
$13.00 PER CASE OF 10 PINT BOTTLES.
NICOTINE MFG. CO. ST. LOUIS MO.

SPRAGUE, SMITH CO.
JOBBERS AND MANUFACTURERS OF
Window Glass.
GREENHOUSE GLASS
A SPECIALTY.
167-169 Randolph St., **CHICAGO.**

Holds Glass Firmly
See the Point
PEERLESS
FULL SIZE No 2
Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
HENRY A. DREER, 714 Chestnut St., Phila., Pa.

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

THE LOW PRICE HEATING PLANTS
The Chicago House Wrecking Co. is in position to offer you an interesting proposition for furnishing you with a heating plant at a saving of at least 30%. Send us a sketch of your houses with preferred location of the boiler, the points of compass and the desired night temperature for zero weather, and we will gladly submit you an exact detail quotation of all material required to install the plant. We have ***heaters*** and ***boilers*** of every kind, both new and rebuilt. We have always ou hand a large number of rebuilt boilers suitable for greenhouse heating. Our stock embraces ***fire box boilers, horizontal tubular boilers, Kroeschell boilers, cast iron sectional boilers, Erie City economizers*** and other types
We can save you considerable money on ***pipe, valves*** and ***fittings;*** also on ***doors, glass, sash*** and everything needed in the construction of your buildings.
Ask for our Special Catalogue No. 47.
CHICAGO HOUSE WRECKING CO.,
35th and Iron Streets, CHICAGO.

Please mention the American Florist when writing.

The James H. Rice Co.
IMPORTERS and JOBBERS
GREENHOUSE GLASS
A SPECIALTY.
Window Glass, Paint, Putty, etc.
Office and Warehouse: Corner of Michigan, St. Clair and Illinois Streets, CHICAGO.

Use our patent Iron Bench Fittings and Roof Supports.

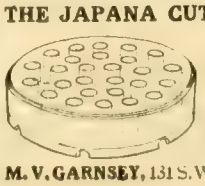
IMPROVED VAPORIZING PANS
For Tobacco Extracts, etc. Send for Circulars.
DILLER, CASKEY & CO. SUCCESSORS TO JENNINGS BROTHERS,
S. W. Cor. Sixth and Berk Sts., PHILADELPHIA.
VENTILATING APPARATUS.

BE It Known to Ye Our Friends, also the trade in general, that on or about the First of November, A. D., 1906, we will move our business into the very center of the city of Philadelphia,
125 North 10th Street, Above Arch Street.
Keep Your "I" on the Enterprising Florists' Supply House of
J. STERN & CO., 1928 Arch St.

GREENHOUSE HEATING
Complete heating plants erected or materials furnished with working plans.
Write for prices on **BOILERS.**
JOHNSTON HEATING COMPANY,
St. James Building, 1133 Broadway, NEW YORK.

H. M. HOOKER CO.
Window Glass, Paints and Putty.
Greenhouse Glass a Specialty.
59 W. Randolph St., CHICAGO.
Please mention the American Florist when writing

THE JAPANA CUT FLOWER HOLDER



A handy article for all florists. **Saves Time and Flowers.**
Made of glass, in two sizes. Catalogues, description, etc., on application.
M. V. GARNSEY, 131 S. Waiola Ave., La Grange, Ill.

STENZEL GLASS CO.,
GREENHOUSE GLASS.
French and American "WHITE ROSE" Brand.
2 Hudson St., NEW YORK.
Please mention the American Florist when writing

SPECIAL
Greenhouse Glass
Write for prices.
G. F. REYNOLDS, Durhamville, N. Y.

If you are having delay in getting your roof material, send your orders TO US and don't be in trouble. We will handle any order in the time agreed. Try us.

FOLEY MANUFACTURING CO.,
471 West 22nd Street, : : CHICAGO.

GLASS

GOOD BRANDS.
QUICK SHIPMENTS.
LARGE STOCK.

Warehouse on railroad switch. **Be Sure and Get Our Prices.**

SHARP, PARTRIDGE & CO.,
22nd and Lumber Sts., CHICAGO.

WINANDY BROS.

Greenhouse Builders,

3730 N. Lincoln Street, Rogers Park Station, CHICAGO.

Write for our estimates.

THE BLACK STUFF FINE TOBACCO
FOR DUSTING IS GROUND VERY FINE FROM THE HEAVY PURE LEAF
LET US TELL YOU ABOUT IT.
THE H-A-STOOTHOFF CO. 113 WEST ST. NEW-YORK

Greenhouse Material

of Louisiana Cypress and

GREENHOUSE HARDWARE AND POSTS.

Hot Bed Sash

Washington Red Cedar

PATENT V AND U GUITERS.

OUR GRADES INVARIABLY THE BEST. OUR PRICES RIGHT.

Write for Catalogue and Estimate, when figuring on your new houses.

A. DIETSCH CO., 617 Sheffield Ave., CHICAGO.

You Should Be Interested In This

STEAM TRAP

because it is the remedy for your steam heating troubles. Write us—for we can save you money.

MOREHEAD MFG. CO.
1047 Grand River Ave.
DETROIT, - MICH.

Carman's Antipest

INSECTICIDE AND FUNGICIDE

For the Garden, Orchard and Greenhouse.

Non-poisonous and harmless to vegetation.

Kills Green Fly, Aphides, Bark Lice, Thrip, Mealy Bug, Red Spider, Scale, Wire Worms, Ants and Slugs.

This is the Grower's Friend, handy to use, cheap and effective, mixes readily in water. Destroys all insect pests and keeps down filth. Circulars on application. **$1.50 per gallon.** Also in quarts, half gallons and in bulk.

PERFECTION CHEMICAL CO.,
FLUSHING, N. Y.

Starved Rose Bushes Never Bloom

And the successful florist wants more than ordinary bloom and stunted stem—he wants all there is in the soil, the bush, the stem, the bloom.

DON'T STARVE THE ROOTS.

Put away your bushes this fall with plenty of fall and spring food for the roots. The richest root food, stem and bloom producer you can use is

Wizard Brand Pulverized Sheep Manure

It goes further than any other fertilizer and costs less. No waste—no refuse or seeds.

Special prices to florists and greenhouse operators. Write for booklet.

THE PULVERIZED MANURE COMPANY,
32 Exchange Ave., CHICAGO

GET OUR PRICES ON
Galvanized Wire Rose Stakes and Tying Wire.

IGOE BROTHERS,

Manufacturers of the **Model Plant Supports** for Carnations, Dahlias, Golden Glow, Chrysanthemums and Tomatoes.

63-71 Metropolitan Ave., BROOKLYN, N. Y.

It is good business policy to mention
The....
AMERICAN FLORIST
When you write to an advertiser

Extract from paper read by John H Dunlop before recent convention of the Canadian Horticultural Association:

"Campbell's Sulphur Vaporizer is an English patent and a trifle expensive, but very effective and eliminates almost all of the danger of ignition. We are using eight of them at present with excellent results."

—SOLD BY—

VAUGHAN'S SEED STORE, 14 Barclay St., New York.
A. T. BODDINGTON, 342 West 14th St., New York

Please mention the American Florist when writing.

ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the

"Horticultural Advertiser"

This is the British Trade Paper, being read weekly by all the Horticultural traders; it is also taken by over 1000 of the best continental houses. Annual subscription to cover cost of postage 75c; Money orders payable at Lowdham, Notts.

Address **Editors of "H. A."**
Chilwell Nurseries, LOWDHAM, Notts, England

WILSON'S PLANT OIL.

The best Insecticide and Plant Renovator ever introduced. Positively harmless. Put up in cans and bottles. Send for circular, testimonials and trade price.

ANDREW WILSON, 437 Springfield Ave. SUMMIT, N. J.

A. HERRMANN,

Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florists' Supplies.

—SEND FOR PRICES.—

404-412 East 34th St., NEW YORK.

THE AMERICAN FLORIST

America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXVII. CHICAGO AND NEW YORK, OCTOBER 27, 1906. No. 960

THE AMERICAN FLORIST

TWENTY-SECOND YEAR.

Copyright 1906, by American Florist Company. Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

324 Dearborn St., Chicago.

Eastern Office: 1133 Broadway, New York.

Subscription, $1.00 a year. To Europe, $2.00. Subscriptions accepted only from the trade.

Volumes half yearly from August 1901.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—WM. F. KASTING, Buffalo, N. Y., president; H. M. ALTICK, Dayton, O., vice-president; W. J. STEWART, 11 Hamilton Place, Boston, Mass., secretary; H. M. BEATTY, Pittsburg, Pa., treasurer. Twenty-third annual meeting at Philadelphia, Pa., August, 1907.

OFFICERS-ELECT—WM. J. STEWART, Boston, Mass., president; JOHN WESTCOTT, Philadelphia, Pa., vice president; P. J. HAUSWIRTH, Auditorium Annex, Chicago, secretary; H. B. BEATTY, Pittsburg, Pa., treasurer.

INTERNATIONAL EXHIBITION—A grand international exhibition will be held with the annual convention at Chicago, November, 1908.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual convention and exhibition at Chicago, November 6-12, 1906. WM. DUCKHAM, Madison, N. J., president; DAVID FRASER, Penn and Homewood Ave., Pittsburg, Pa., secretary.

AMERICAN ROSE SOCIETY.

Annual meeting and exhibition at Washington, D. C., March 13-15, 1907. ROBT. SIMPSON, Clifton, N. J., president; BENJAMIN HAMMOND, Fishkill-on-Hudson, N. Y., secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention and exhibition at Toronto, Canada, January, 1907. JOHN H. DUNLOP, Toronto, Canada, president; ALBERT M. HERR, Lancaster, Pa., secretary.

THE AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

Annual convention at Toronto, Ont., 1907. BYRON D. WORTHEN, Manchester, N. H., president; F. L. MULFORD, Harrisburg, Pa., secretary.

AMERICAN PEONY SOCIETY.

Third annual meeting and exhibition at Ithaca, N. Y., 1907. C. W. WARD, Queens, N. Y., president; A. H. FEWKES, Newton Highlands, Mass., secretary.

Contents, page 638.

Advertising Rates, 638.

Index to Advertisers, 662.

Ready Reference Advts., 663.

Florists' Forcing Bulbs and Roots.

Copyright 1906 by the American Florist Company.

VIII.—DUTCH HYACINTHS.

As regards ease of culture, adaptability for forcing and form, fragrance and lasting quality of bloom, no other Holland grown bulbous plant excels and few quite equal the hyacinth, which justly stands at the head of the list. The great popularity of Dutch hyacinths as potted plants has caused many thousands of the bulbs to be planted and offered in that form every year. All varieties, single and double-flowered, early and late, are excellent for the purpose, are easily forced into bloom and readily adapt themselves to living room conditions.

The bulbs may be planted at any time from September until November and even later, if bulbs can be obtained. In every case the grower may figure on fully 14 weeks from the time the bulb is planted until the finished plant displays its flowers, and if a fixed date for the output of flowering hyacinths is aimed at, he must bear this in mind, rather granting the bulbs a little more than less time.

For early forcing single varieties should be chosen, the doubles being less tractable for the purpose but easily managed at any time in the latter half of winter. Any attempt to force a general assortment of Dutch hyacinths out for Christmas will result in partial or total failure. Of the few varieties that may, with careful treatment, be forced into bloom for so early a date, the following are the most easily managed and most worthy of a trial: Blanchard and L'Innocence, in white; Fireball and Baron van Tuyll, in rose; and Leonidas and Blondin, in blue.

Dutch hyacinths grow and flower well in a compost made up of two parts of good, sandy loam and one of old, well decomposed cow manure with a little bone meal added when preparing it for immediate use. A 4-inch pot will accommodate a bulb of ordinary size, while a large bulb will need a 5-inch pot and three or four small bulbs will find room in a 6-inch pot. When planting several bulbs in one pot, they should either be of one variety or be made up of sorts that flower at one and the same time, as far as possible.

In planting hyacinth bulbs it is only necessary to bring the base of the bulb in contact with the soil, leaving over half of the upper part exposed and the extreme tip extending above the rim of the pot. After planting they are thoroughly watered, care being taken not to displace the bulbs in so doing. Any spot outdoors is to be preferred to a place in cellar, shed or under benches for the pots. They do best by being buried in the garden on some elevated or at least well drained strip of ground with from four to six inches of fresh soil over them.

If at the approach of hard freezing weather the mound, containing the bulbs, is covered with a good spread of hay, straw or litter of some loose kind; the unearthing and bringing in of the pots at any time in winter will present no difficulty. It will take hyacinths that were planted early about 11 weeks to form roots, while those started late require from eight to 15 days less time in doing so. Hyacinths to be in a fit condition for hard forcing should have their pots completely filled with white roots when taken out of the trench. Their top-growth need not be much over an inch high, a small, sharp-pointed pyramid of waxy white, closely folded leaves, encircling the embryo flower stalk. If the pots are now placed in cool quarters, the temperature not much above freezing day and night, the hyacinths will remain inactive or at least will make but little headway and are thus held back and reserved for a forcing later on, if so planned by the grower.

In a temperature of from 50° to 55° the finest potted hyacinths are grown; a greater heat bringing them in earlier, but when driven hard they never finish up so superbly as those grown cooler. It will take from four to six weeks, according to variety, time of forcing and degree of temperature, to bring a well

rooted Dutch hyacinth into full bloom. Moderate heat, a cool footing, abundant ventilation whenever possible, and a plentiful supply of water at their roots, are the prime points to be observed in forcing these bulbs.

While all hyacinths of this class are fit subjects for pot culture and have been grown as such for centuries, it is only of late that some of the varieties, and in some instances made up mixtures of corresponding shades and periods of flowering, have been forced extensively for their blooms in a cut state. These, coming in at a season when a lively demand for just such stock guarantees ready sales at remunerative figures, have proved quite profitable to grow. Instead of pots, boxes of a good depth are used, in which the bulbs, usually of the second size, are planted quite close together. In all other respects the treatment is the same as that accorded pot-grown bulbs. E.

Forcing Lily of the Valley.

In order to get new lily of the valley pips into bloom earlier the following method is employed by some Russian and German specialists, according to Moeller's Garten Zeitung: Place the pips wanted for early blooming in a barrel, packing them tightly. Then pour over them water heated to a temperature of 90°. If necessary the pips should be weighted down so as to have them all covered with water. Then the barrel should be covered with mats so as to prevent the water from cooling. After 12 to 14 hours the pips are taken out of the water and immediately put into the forcing bed, giving them a uniform temperature of 86° to 88°.

Pips thus treated will bloom from four to five days earlier than those not soaked. They will come more uniformly and produce a larger percentage of good flowers.

Retarded Lily of the Valley and its Culture.

There is an increasing demand for retarded lily of the valley and it is very important that the right class of material should be used for retarding purposes. Just here many mistakes are made by people who are not acquainted with the characteristics of the different varieties of the plant. In this connection American growers prefer to use lily of the valley with good strong pips and long fine spread roots, the so-called Berlin forcing variety which is generally used for early forcing especially to fill the Christmas needs. These pips also give fine results when forced later in the season and as a retarded cold storage valley.

Some pips used early for Christmas cutting have splendid flowers with large bells and fine leaves, but they fail completely when used as cold storage pips though they were grown with the utmost care. Instead of producing bells of good proportions these remained short in the stalk and small, the foliage developing immensely and depriving the flowers of all strength although every possible care was taken of the plants during the forcing period. No bottom heat was given and the boxes in which the pips were planted were kept quite dark for about 10 days. Still the result was deplorable and why? Simply the pips were not suitable for cold storage purposes.

The Berlin forcing lily of the valley is always grown in light sandy soil through which the rain passes easily and should sunny days be frequent in September and October the pips ripen rapidly. So rapidly in fact that they can be forced into flower by Christmas or before, and even at this early period will produce sufficient leaves. But if these crowns are used for retarding purposes it will be noted that the foliage develops at the expense of the flowers which fail after attaining a length of a few inches. On the other hand should the weather be very wet previous to the ripening of the pips this process is slower; they bring less foliage at Christmas but are more suitable for use as retarded crowns.

Chrysanthemum Beatrice May.

It is quite another thing with late forcing crowns from heavy and usually wet soils. The hard soil does not allow the fine side roots to develop as in the lighter soils and this hurts the appearance of the bundles compared with early forcing crowns though the pips look just as strong. Growers need not be frightened on this account for having been grown in this deep loamy and fertile soil they are strong and produce a fine uniform crop both of leaves and flowers. These pips are much appreciated and solely used in this country for retarding purposes and I would advise every grower of cold storage lily of the valley to give them a trial, which will convince all of their superiority.

GROWING THE RETARDED CROWNS.

How to grow retarded crowns is another question of great importance. I will give you details of how we force them in Germany. After being taken from the freezing room we give the frozen crowns a chance to thaw slowly after their rest in a constant temperature of 23°. The temperature should be neither lower nor higher than this in the freezing room. The roots are trimmed sufficiently to enable us to plant them in boxes four to five inches high in light soil. The boxes are then placed in a greenhouse kept quite dark at 60° to 64° where they remain for about 10 days or until the flower stalks are raised well above the foliage. No bottom heat is applied nor should any be used for cold storage lily of the valley. They are then brought to the light and kept there until the bells are opening. Should the foliage still develop too rapidly we cut out part of it which assists the formation of large bells. During the whole time we keep a steadily damp atmosphere in the house but do not syringe the lily of the valley. To prepare the flowers for a journey we keep them in a cool cellar at least one night. This simple treatment leads to good results but note very carefully that no bottom heat is to be applied as this causes too abundant development of the foliage. GERMAN GROWER.

CHRYSANTHEMUMS

Notes On Varieties.

At this time, October 22, with October frost, Rosiere, and many of the early varieties disposed of for 1906, we naturally turn our attention to the mid-season kinds, where there is a wide range in color, form and style of growth. Among those introduced during the past year or so, including both American and foreign productions, we find as a whole they possess many peculiarities.

It goes without saying that the foreign varieties do not compare with American introductions from our commercial point of view, and any recommended for this purpose should be tested only in a limited way until the grower has ascertained if they are fit for his purpose. While this statement may be rather broad, yet it is evident to anyone, passing through houses of novelties with long necks, poor colors, and considering the difficulty with which some of them are managed, that we are prohibited from giving these varieties commercial endorsement.

Among those noticed this morning were the following:

Mme. Delabre, fine growth, bronze, half developed. Soliel de Boudry, tan color, promising, undeveloped.

Solange, very short neck, possibly some commercial value, white, wide petals hooking at the ends; will be ready to cut in a few days.

Mme. Magne, fine growth, buds showing some color, white, promising.

Beatrice May, growth short, flowers fine, a beautiful white, but not easy enough to manage for the average commercial grower.

W. T. Robertson, a beautiful shade of pink, possibly of commercial value, too small for exhibition.

Mrs. Wm. Knox, a beautiful yellow for exhibition.

Glenview, looking fine, petals just beginning to loosen out. We predict a very fine bronze in this variety.

W. Wells, a good exhibition white, semi-developed.

Mrs. F. F. Thompson, good for exhibition and a white, not nearly finished.

Mrs. Geo. Haume, bronzy chamois,

very dwarf, flower large, nearly finished.

Miss Mary Mann, a beautiful shade of pink, but not far enough developed to give a good impression as to size and form.

Soliel de Septembre, buds taken August 10 still unfinished, reminds us somewhat of H. L. Sunderbruch in color and form, only not as incurved at center. Buds taken September 1 are finished but show a small center.

Lanona, large size, white slightly suffused pink, must be fed sparingly after buds are taken, inclined to burn.

Crocus, a beautiful soft yellow nearly finished.

Winifred (Australian), beautiful habit, but too late for shows, not yet in color.

As to the remaining 50 or so novelties we are testing, they are not sufficiently developed to warrant comment on them at this time.

ELMER D. SMITH.

Chrysanthemum Society of America.

EXAMINING COMMITTEES.

President Duckham has announced the committees to examine seedlings and sports on dates as follows: October 6, 13, 20, 27 and November 3, 10, 17 and 24, 1906. Exhibits to receive attention from the committees must in all cases be prepaid to destination and the entry fee of $2 should be forwarded to the secretary not later than Tuesday of the week preceding examination, or may accompany the blooms. Special attention is called to the rule requiring that sports to receive a certificate must pass three committees.

New York, Eugene Dailledouze, chairman, 55 and 57 West Twenty-sixth street, Thos. W. Head and Wm. Turner.

Philadelphia, Pa., A. B. Cartledge, chairman, 1514 Chestnut street, John Westcott and Wm. K. Harris.

Boston, Mass., E. A. Wood, chairman, Wm. Nicholson and James Wheeler. Ship flowers to Boston Flower Market, care of John Walsh.

Cincinnati, O., R. Witterstaetter, chairman, James Allen and Wm. Jackson. Ship flowers to Jabez Elliott Flower Market, care of janitor.

Chicago, J. S. Wilson, chairman, J. B. Deamud and Geo. Wienhoeber. Ship flowers care of J. B. Deamud, 51 Wabash avenue.

OFFICIAL JUDGING SCALES.

The official scales of the society are as follows:

FOR COMMERCIAL PURPOSES.

Color	20
Form	15
Fullness	10
Stem	15
Foliage	15
Substance	15
Size	10
Total	100

FOR EXHIBITION PURPOSES.

Color	10
Stem	5
Foliage	5
Fullness	15
Form	15
Depth	15
Size	35
Total	100

WORK OF THE COMMITTEES.

New York, October 20. President Loubet, creamy white, exhibited by the E. G. Hill Co., Richmond, Ind., scored 90 points exhibition scale.

Mary Godfrey, Yellow Japanese incurved, exhibited by C. H. Totty, Madison, N. J., scored 85 points commercial scale.

Mrs. A. T. Miller, Japanese, pure white, exhibited by C. H. Totty, Madison, N. J., scored 87 points commercial scale.

Chicago, October 13. President Loubet, creamy white, exhibited by the E. G. Hill Co., Richmond, Ind., scored 86 points exhibition scale.

Cincinnati, October 20. Director Gerard, yellow Japanese reflexed, exhibited by the E. G. Hill Co., Richmond, Ind., scored 87 points commercial scale.

Fusee, light yellow Japanese, exhibited by E. G. Hill Co., Richmond, Ind., scored 85 points commercial scale.

Comoleta, clear bright yellow exhibited by Nathan Smith & Son, Adrian, Mich., scored 88 points commercial scale.

NATHAN SMITH & SON'S CHRYSANTHEMUM COMOLETA.

Scored 88 points, commercial scale, before Cincinnati committee.

Premature Wilting of Blooms.

ED. AMERICAN FLORIST:—

Last year my chrysanthemum blooms wilted soon after being put in vases in the dining room. The blooms were cut in the evening and put in water at once and without any apparent cause wilted in less than six hours. Please explain the cause. E. P. G.

The wilting of your blooms shortly after you cut them probably has more than one cause. I think it is a mistake to cut them in the evening or afternoon, especially after a hot sunny day. If the beds are run a little on the dry side and the plants have been exposed to a day's sun, the blooms or leaves are probably a little wilted before you cut them and once they are wilted or the sap has stopped flowing it is a hard matter to get them started taking up water again, unless you cut more off the stem or immerse them in water, stem, leaves, bloom and all, and then as soon as recuperated cut, or rather break, two or three inches off the stem. They will then last for a good many days. Another cause I think is in cutting them too low. Some chrysanthemums are quite hard and wood-like at the base of the stem and if you cut them off too low they might refuse to take up water. Some varieties are worse than others in this respect and require more careful cutting and handling. I cut several thousand chrysanthemums every year and pack and ship them sometimes to far distances and have hardly ever heard of any wilting down. I always cut them in the morning while they are crisp and

fresh and immerse them in large tall buckets at once (ice cream freezers are fine) and leave them there for about 10 hours before packing. I pack them in large boxes in rows with tissue paper between each layer and sprinkle the leaves well before closing them down and they invariably reach the market in fine shape. T.

Greenhouse Construction.

Paper read before the Boston Gardeners' and Florists' Club, October 16, 1906, by J. B. Velie, of the Lord and Burnham Co., of New York

Greenhouse construction may be divided into two classes, private and commercial. In the former class appearance enters more largely in the designs and construction than in the latter, but the object in both is to secure the most durable construction combined with the greatest amount of light, the element of expense nearly always being a factor to be considered. For private use where it is assumed the owner is not compelled to sacrifice durability or appearance because of a lack of capital, the almost uniform construction is an iron frame greenhouse on masonry walls. This has been proven by years of experience to more nearly meet the requirements than any other construction.

The person desiring to build commercially, who, to be successful must closely count expenditures, cannot usually afford to place a large amount of money in expensive masonry walls. To this person a choice of several distinct forms of construction is offered; first, the iron frame greenhouse on cast iron foot pieces; second, the wood frame or so-called sash bar house, having angle iron plate and posts with cast iron foot pieces; third, the trussed roof house having angle iron plate and posts and cast iron foot pieces; fourth, an all wood house of sash bar construction having wood plate and wood posts; and fifth, an all wood sash bar house having wood plate and wood sill on concrete walls.

For one starting in the florists' business, or adding to their present range, the question is, which construction will pay the greatest dividends in the business. This point rests on the amount of light admitted, the durability of construction, and the probable cost of repairs. From the standpoint of light, assuming that all of the constructions have 16x24-inch glass placed the 16-inch way, the iron frame house has a considerable advantage. The size of the standard sash bar in this construction is $1\frac{3}{8}$x$1\frac{7}{8}$ inches and the wood cap for the rafter is $1\frac{7}{8}$ inches each way. The size of the standard bar for sash-bar construction is $1\frac{3}{8}$ inches wide by $2\frac{1}{2}$ inches deep. In an iron frame house 100 feet long, providing the sun shines at right angles to the length of the house, you would have 6 feet $6\frac{3}{4}$ inches of shade against 8 feet 3 inches in a sash bar house, which makes a difference in favor of the iron frame house of 1 foot $8\frac{1}{4}$ inches of solid shade. It has been argued that because of the depth of the iron rafters, that when the sun shines from the direction of the gable of the house, there is more shade with the iron frame construction than in the sash bar. This is not so. There is about 15 per cent more shade in the sash bar house if the sun shines from the direction of gable than in the iron frame house with 3-inch iron rafters. Furthermore, in one construction the iron frame supports the house while in the other the sash bars only, give strength to the roof. This allows the bars to be omitted under ventilating sash in the iron frame house, while they have to be run to the ridge in the sash bar house, making additional shade at that point in the latter construction by having two rows of bars, one above the other at ridge sash.

It may seem to some that these figures show so small a difference in light between one method of construction and that of the other that it would not pay in dollars and cents as far as light goes, to invest any greater amount of money in one construction than in the other. I think, however, if one will go into a house of sash bar construction and then into one of iron frame construction, one will at once notice a difference in the amount of light in the houses and I also think one will admit that if this is easily discernable to the eye, better results will be obtained in the lighter house, providing all other conditions are the same, than in the one having more shade.

As for strength of construction, the iron frame house is decidedly the strongest, especially in a wide house. But for a house not over 33 feet 4 inches wide of usual pitch, which allows for five benches about 4 feet 4 inches wide each, with usual walks, the sash bar construction with angle iron posts and plate offers an excellent solution for a person who has not the capital to invest in an iron frame structure. Although many sash bar houses are built wider, in my opinion, to secure an element of safety and strength without undue supports and trussing, the iron frame house should be used in wider structures than that of about 33 feet. This sash bar construction, as previously stated, has some disadvantages as regards the amount of light admitted, but compares favorably in durability to the iron frame structure. The same general form of cast iron foot piece and angle iron plate is used in both constructions.

The trussed roof house of sash bar construction, having angle iron posts and plate and cast iron foot pieces, has the advantage of doing away with supporting columns in houses not over 29 feet wide. The all wood house of sash bar construction, having wood plate and posts has the redeeming feature of being the least expensive construction that one can erect considering first cost only. The sash bar house, having wood plate and wood sills on concrete walls, is a construction more expensive than a house having angle iron plate, angle iron posts with cast iron foot pieces, double boarding of cypress below glass, and removable base board, while it has the disadvantage of not being as durable because of the liability of the wood plate and the wood sill on the masonry wall to decay in a short time. Especially is the wood sill on masonry wall a weak member in greenhouse construction.

Let us compare the cost of a house 100 feet long having angle iron plate, angle iron posts and cast iron foot pieces with the all wood house having wood plate and wood posts. The cost of the angle iron plate for both eaves together with angle iron posts and cast iron foot pieces spaced every six lights of glass, would be about $120. The cost of the wood plate and cypress posts spaced every three lights of glass, which is the usual spacing for this construction, would be approximately $60. This makes a difference of $60 in the cost of one house over the other.

Assuming that one builds a house 100 feet long with wood posts and plate, superstructure costing $1500 complete, we will see that the additional cost of $60 for iron plate and posts is 4 per cent of the total cost of superstructure of the all wood house. The heating and benches would be the same in either case. Let us further assume that the all wood house would last 15 years. If we add the same percentage, 4 per cent, to the life of the all wood house, the house with iron plate and posts would have to last only between seven and eight months longer than the all wood house. However, by investing $60 more one loses the interest on this except as it is earned in the length of life of the building. If this $60, otherwise invested, should double itself in 15 years, we

FIRST PRIZE GATEWAY DECORATION AT NEWPORT, R. I.
Exhibit of F. L. Ziegler.

would have to figure 8 per cent increase in the length of life of the iron and wood house over the all wood in order that the investment on either one may pay equally well. This 8 per cent added would mean that the iron and wood house would have to last about one year and three months longer than the all wood. The actual increase of length of life of house, because of the iron posts and plate, would be many times the one year and three months. If the house with iron plate and posts lasts 22½ years or half as long again as the all wood house, which it is reasonable to suppose, on a basis of the figures just given, the cost per year for superstructure of house would be between $69 and $70 for the iron and wood construction against $100 for the all wood, or a saving of nearly a third of the cost per year for superstructure of greenhouses by using iron plate and posts.

The design of a greenhouse is fully as important as the construction to be used, in order to cover the ground at the least expense, secure the best circulation of air, and heat to the best advantage. One can readily see that no matter what the width of the house, the expense of the side walls is the same, consequently the wider the house, providing one keeps within reasonable limits, the less the cost per square foot covered so far as superstructure goes. The circulation of air is much better in a wide house than in a narrow one and the wide house is more easily heated in proportion to the surface covered than a narrow one. An example of this can be seen at the Waban Conservatories, Natick, where in a house 21 feet wide with ridge about 14 feet high there are 12 1¼-inch pipes and in a house 40 feet wide with ridge about 21 feet high, there are 20 1¼-inch pipes, and I understand that a higher and more even temperature can be maintained in this wide house than in the narrow one.

The ridge and furrow houses, while in almost universal use through the west, are not so extensively built in New England. These houses present the advantage of being more economical than the detached house, because of the eliminating of several sides in a block of houses, but they have the disadvantage of casting more or less shade from the gutters, and more breakage of glass is caused by ice and snow than in the detached house. There seems to be a growing tendency, however, towards this construction.

The even span house is the cheapest and in a large majority of cases is the style built. Where houses run east and west, which is conceded by the majority of growers to be the most desirable way of locating them, several of the best growers have the roof on the north side of a steeper pitch than that on the south, both eaves being of the same height. This throws the ridge north of the center, and is done to avoid shade from the ridge on the rear bench or bed. In Boston on December 22 the sun shines at an angle of 23°, while on June 22 the angle is 71°. This makes a rise of the sun of 8° per month. With an even span house running east and west, having the roof at a pitch of 32°, it will be seen that one will get no shade from the ridge on the rear bench until about February, or until the sun gets higher than the pitch of roof on the north side. If the north side of the house has a pitch of 45° with the house running east and west, one will get no shade on the rear bench until about March 20. The steeper the pitch of the roof the more surface in it and a proportionate increase in cost. It is a question of opinion as to whether the saving of shade on the north bench compensates for the additional cost. If the house is placed facing a few degrees to the east in order to obtain the morning sun more directly, the shade from the ridge on the north bench is varied. This facing of the house slightly to the east of south seems the ideal arrangement to secure the benefits of the morning sun. There is but little difference the year through between the amount of sunshine in the morning and that in the afternoon. Boston weather reports for five years show an average of 24 more hours sunshine each year in the morning than in the afternoon.

Ordinarily the pitch of roof giving the best results is 32° or a rise of 7½ inches to a foot. This, however, is varied occasionally for various reasons. In the even span ridge and furrow houses running east and west a pitch of about 27° is often used with good results. With this arrangement the roof of one house shades the other less than would be the case if the pitch were steeper.

The spacing of 16x24-inch glass in the roof the 24-inch way is quite often done with very desirable results as far as the amount of light in the house is concerned, but this is usually at the sacrifice of more or less glass, as the breakage is usually greater in the house constructed in this manner.

Continuous ventilation on both sides of the ridge gives the best results. If one places top ventilators one light apart there is more space for the air to be admitted than if the sashes were continuous, but there is also more liability of a draft. Side ventilation, while desirable for violets or cool plants, is in decreasing demand for use in carnation growing.

The durability of the wood work in a greenhouse depends on the wood, the method and thoroughness of drying, the manner of applying the first coat of paint, the manner in which joints are made, and the thoroughness with which it is kept painted after erection. Red gulf cypress from the swampy southern states stands the test of durability in greenhouse construction better than any other wood. This, however, must be free from sap and should be thoroughly air-dried. To insure the best results the first coat of paint should be applied to the wood work by dipping rather than by painting it with a brush, for in the dipping process the wood absorbs several times the amount of oil that is retained in the grain by the other process. This gives a durability and a foundation for future coats of paint that cannot be secured in any other way. Milling and construction should be such that there will be as little chance of water lodging at joints as possible. The purchasing of glass, putty and white lead for paint to be used after the priming coat, are matters to be as carefully looked into as any other part of the construction. If a poor grade of any of these is used they may materially affect the dividends of the florists' business.

There is no class of building construction exposed to more trying conditions than a greenhouse, consequently there is every reason for making the structure as durable as possible consistent with a reasonable outlay. The majority of successful florists, if they have not previously built of a durable construction, are fast learning that a small additional cost for durable members in the construction pays them a very large percentage on their investment. I have seen many florists kept from deserved advancement because of the constant outlay for repairs on buildings erected in what at the time seemed an inexpensive manner.

CRIMSON RAMBLER ROSE AUTOMOBILE AT R. DREYER'S, WOODSIDE, L. I., LAST SPRING.

WITH THE GROWERS

John Scott, Flatbush, N. Y.

Within little more than a year from the time of the dismantlement of his Keap street establishment in Brooklyn, John Scott, the well known originator of the Scottii fern, is operating three ranges of glass in the horticultural section of Flatbush. Range No. 1, consisting of six houses, potting and shipping shed, and office, was built sometime before his removal and used mainly for the propagation and dissemination of Scottii ferns, and at the present time is stocked entirely with the ferns. Range No. 2 is newly built, and consists of eight large houses, a communicating corridor, and a potting and shipping shed of unusually liberal area. Range No. 3, on the other side of the street dividing the property, comprises five houses recently purchased from J. H. Kemper, with a large potting shed. This range is now being extended and altered to suit the requirements of the business.

NEW RANGE AT JOHN SCOTT'S ESTABLISHMENT, FLATBUSH, N. Y.

Range No. 1 is given over almost exclusively to foliage and decorative plants. The exception is a house of gardenias which is now in crop and from which there is a daily cut of fine long-stemmed blooms. There are 2,500 plants in the benches grown in about three inches of soil. They have had full ventilation during the summer, with syringing three times a day and on hot days four. The stock is in excellent shape, profusely flowered with well foliaged buds, and flowers with stems two and a half to three feet long for Christmas are more than a probability.

There is a house of Pandanus Veitchii, dracænas, and small crotons, the former in excellent shape as regards coloring. Another house is devoted to poinsettias and Asparagus plumosus. Pandamus Veitchii and dracænas fill another house, the latter in several varieties, notably D. Lindeni, D. terminalis, D. Massangeana, D. Gladstonei, D. amabilis, and D. indivisa. Thirty varieties of dracænas, all told, are grown in the establishment.

There is a fine house of kentias in good commercial sizes. The other houses are filled with assorted stock, including marguerites, asparagus, ivies, ferns, and Ficus pandurata. The long corridor accommodates a wide bench running its whole length, and is used for crotons. The varieties to be seen here are too numerous to mention, but cover all types, and practically all sizes.

Range No. 3 is devoted mainly to flowering stock. There is a house of Begonia Glorie de Lorraine, the plants of excellent shape and in the finest condition. Chrysanthemums, medium and late varieties occupy the central area of four houses, and some grand cyclamens and begonias are to be seen on the side benches. In the grounds are large blocks of marguerites, Queen Alexandra, Crimson Rambler roses and hydrangeas.

The site covered by the establishment is in line with the tide of building improvement setting out from Brooklyn, and in a few years its increased value will prove that Mr. Scott can look ahead in the matter of real estate as well as in matters horticultural.

The Templin Co., Youngstown, O.

The Templin Co., which recently purchased the old Walker & McLean store on Federal street, have been quite busy of late getting things in shape for the coming season's business. They have thoroughly renovated the store and basement, by moving the seed cases to the rear. Repapering and painting and covering the floor with a very showy pattern of linoleum, which harmonizes well with the other furnishings.

Robt. Schenk, the manager, has recently made a trip through the eastern cities, buying goods for the holiday trade, and judging from the amount of stock being received, they will be able to supply anything in the florists' line that the most critical may desire. Another improvement contemplated is a new 10-foot refrigerator which will be installed shortly. This will be of great service during the chrysanthemum season.

Edward Slagel has charge of the seed and bulb department and is a busy man just at present getting his new stock of bulbs in shape for the fall trade which is opening up very satisfactorily. He has his bulbs arranged in the seed bins and on a number of large tables, where they make a very creditable display, and he is ready now to take care of all orders, large or small, wholesale or retail. This firm has also been quite busy of late with store decorations, and funeral work.

John Walker, who is devoting his entire time to his greenhouses at Crab Creek, has the stock in very creditable shape for the coming winter. Here can be seen about 10,000 chrysanthemums in different stages of development, also 20,000 carnations, all well established and looking as though they would give a good account of themselves later on. There is also a 200-foot table of single violets, exceptionally nice, of the variety called Mystery, which is somewhat darker than Prince of Wales, and much more prolific; a 200-foot house of Bridesmaid, Bride and Golden Gate; also a house of Meteor, another of Carnot Kaiserin, La France, etc., for summer blooming.

The roses look fairly well but lack the vigor that is seen in roses grown with better light. This question of light is a serious problem in the growing of cut flowers in the vicinity of Youngstown, the air being filled with flakes of soot and ore from the railroads, steel works and furnaces, which settle on the glass and obscure the light, making it necessary to frequently clean the glass with acid, which is no small task on a place of 70,000 square feet of glass.

Here also can be seen a house plant-

ESTABLISHMENT OF JOHN SCOTT, FLATBUSH, N. Y.
House of gardenias.

ed to stevia which comes in very useful about the holidays, another house planted in Boston and Scottii ferns, besides quantities of very fine Scottii grown in pots and pans; also about 1,500 callas in pots. This last is one of the best paying crops on the place. There are about 2,000 strings of smilax, equal to a 125-foot house filled with Asparagus Sprengeri for cutting. Then there are

ESTABLISHMENT OF JOHN SCOTT, FLATBUSH, N. Y.
Corridor of crotons.

about 2,000 poinsettias in 2½ to 4-inch pots, ready for pans, which should make great Christmas stock.

The above is all in addition to the growing of lilies, tulips, narcissi, hyacinths, etc., for Easter, and the growing of 20,000 geraniums and other spring stock in like proportions, also the planting of some of the best city yards. All of which is certainly enough to keep an ordinary man out of mischief and prevent him from ever becoming an active member of a gun club or an enthusiastic golfer.

REMLE.

To Be Done Now.

IN THE GREENHOUSE.

The newly potted callas will be making plenty of roots now and the water supply must not be stinted.

Watch carefully for aphis on Richmond rose, as this is usually one of the first to be attacked, and fumigate directly any insects are seen.

Remove the yellow pollen from the longiflorum and Harrisii lilies before the cases burst, or the chaste purity of the flower will be spoiled.

Keep the flower buds regularly picked from geranium cuttings as they are very weakening if allowed to open.

For inducing a rapid growth in palms few things equal nitrate of soda applied weakly at first but continuously. Occasional waterings with ordinary liquid manure also help to keep up the soil's fertility.

Place the scarlet lobelias in a cool light house and water very sparingly.

Roses on the manetti stock will stand being kept more moist at the roots than own-root plants at this season.

Where the Christmas smilax is a little behind keep the young shoots regularly twisted in. This will help matters a little.

IN THE STORE.

Try in all cases to hide the pots in which growing plants are shown. Even

ESTABLISHMENT OF JOHN SCOTT, FLATBUSH, N. Y.
House of Begonia Gloire de Lorraine.

when clean which is not always the case they are unsightly.

If you have a bargain for your customers in perishable goods, tell them so by neat window slips or cards.

Ferns with deep green, hard fronds last far better than pale light colored ones.

A medium sized basket of Sprengeri for suspending is always a good investment as it is lasting and easily kept in health.

A frost nipped plant may sometimes be saved by immersing in cold water and standing it out of the reach of sunlight.

A tastefully arranged window, though lacking in quantity of material, is always more attractive than a crowded affair.

A little ventilation at the top of the window will prevent moisture settling on the glass during the night and obscuring the view in the morning.

If you have a rare or fine variety of orchid you wish to show without exposing the plant, do so by cutting the flowers and placing them in water tubes on a more ordinary specimen.

Nothing is prettier at this season than autumn foliage, but whole sheaves of it in the window are suggestive of a shortage in other stock.

OUTDOORS.

Where bulbous plants in the herbaceous border are not yet dead to the surface of the soil, leave them a little longer before cutting off.

Have plenty of protecting material ready to hand but don't begin to use it until it is necessary on roses and shrubs.

Have the soil well worked and pulverized before planting bulbs as they dislike a lumpy condition.

Where English ivies have been propagated by pegging down, the stems may now be cut preparatory to lifting.

Hollow and lumpy places on lawns may be put right now by lifting the turf and adding or removing soil from beneath as the case requires.

Push right on with preparing and stacking the soil supply while the weather keeps open.

Small squares of wire net over the drainage hole of pots that have to be stood outside prevents the ingress of worms.

Finish up the lifting of all half hardy subjects and get them to their winter quarters without further delay.

WALTHAM, MASS.—Repairs are going on at one of the local greenhouses of Peirce Bros., Waverly Oaks road.

At the Chicago Parks.

LINCOLN PARK.

Outside there is little to be seen but dead and dying leaves yet inside the glass department we found A. P. Frey very busy with his propagating and general work. Although a little early for chrysanthemums quite a number were in bloom and some naturally and loosely grown standard plants are worthy of mention. Too often these are stiff hard looking goods looking as set as the trees in a Noah's ark but these are a distinct improvement on which this clever grower is to be congratulated.

Those interested in orchids will do well to pay a visit to Lincoln park now for not only is there a very fine lot of plants that belong to the place in flower but also the loan collection from H. C. Selfridge that is worth noting. Cattleya labiata in considerable variety naturally has pride of place just now and the value of this old species, lost for so many years to cultivators, can hardly be over-estimated. Odontoglossum grande, too, is very good, Mr. Frey having evidently hit off its culture exactly.

Some people there are still to be found interested in botanical subjects apart from the showier and popular kinds and such will be interested in the charming Lælia dayana with its richly tinted lip, the modest little Cœlogyne ochracea, Oncidium bicallosum and a plant of the now little seen Phalænopsis amethystina.

But the real orchid cultivator cannot but be warm in his praise of the really excellent growths on the labiata section of cattleyas. They are all alike, Mossiæ, the Trianæi, labiata vera, and even the somewhat difficult Percivaliana, all bearing great solid, well ripened, businesslike looking bulbs that have evidently never been coddled in heat or wanted fresh air.

Over 2,000 primulas, 800 cinerarias and 800 remarkably fine cyclamen will certainly give a good account of themselves later while propagation of all classes of bedding plants is under way.

A fine batch of Begonia Glorie de Lorraine is worthy of note and indeed one may go on, for poinsettias, palms, pelargoniums and a whole lot of others are all good and thriving.

The condition of the large ferns, palms, and other permanent occupants of the houses is good and the whole place shows the mark of a good ruling spirit.

WASHINGTON PARK.

Here Ed. Kanst was to be found in the middle of the lawn busy with a small army of men getting in some of the 40,000 tulips, hyacinths and other flowering bulbs in which the soul of the spring gardener delights. The soil was evidently in the pink of condition and considering the amount of frost recently experienced as well as the drought the same is true of the grass. This same frost cut the geraniums here very badly and right back to the oldest wood, so that few cuttings will be forthcoming this side of New Year's. Still there are fine benches in the propagating houses filled with early stock, so no trouble is anticipated.

In the large conservatory the bananas in fruit are very evidently a source of interest to the visitors. The whole of the permanent plants are in fine shape, clean and thriving and a couple of large loquat are interesting in flower.

The show house is very bright the chrysanthemums already making a display, but by the end of the month they will be much better. The pretty old Lantana crocea and other varieties are used in the show house here with very nice effect, banks of it alternating with jasmines, and between these large drooping specimens of asparagus. The narrow verges of grass are suggestive of what might be done to hide the pots in the front row and give a cool refreshing appearance.

Right through the houses of young stock evidences of cleanliness and well considered culture were not wanting. Crotons, much better in color than usually seen, strong healthy looking dracænas and a particularly nice lot of young Cycas revoluta were noted, while the same care has evidently been afforded poinsettias, cyclamen and flowering stock generally.

Other houses are of a hospital character and plants that have borne the brunt of a long season in cold drafty places come here to be helped back to health. Ferns of the hardier decorative sorts are principally in demand and a good stock is grown to meet it. In a tank in one of the houses several aquatics are grown including the pretty limnocharis or water poppy and the water hyacinth, both now in flower. Ed. Kanst has evidently ample to do, but just as plainly has his hand well on his charge.

WEST SIDE PARKS.

These are passing now through the transition stage, of course, the work of lifting the summer occupants of the beds and borders being apparently pretty well completed. Through the courtesy of Superintendent Jensen we were enabled to see the plans of some of the alterations going on and though these are on a fairly ambitious scale it is early yet to give details. In the new range at Garfield park provision is made for a fine conservatory, experiment house, fern, exhibition plant and evergreen plant houses, with the usual yards and necessary offices, while the new landings, refectory and shelters projected will certainly be worthy of the city.

Twenty Years Ago

Black spot was troubling rose growers.

Thoughtful florists were looking for a good non-conducting covering material.

Papa Gontier was among the novelties in roses.

Sprays of orange blossoms brought $3 each at retail.

Orchids, orange blossoms, and fruits were popular subjects for bridal bouquets.

Cattleya Mossiæ was as popular as now, and had been for half a century.

New and rare plants were more easily obtained than gardeners who knew how to grow them.

Freesia refracta was popular and largely grown, both in pots and for cutting.

Several persons were poisoned through eating grapes that had been syringed with sulphate of copper.

Eight hundred dollars in premiums were given at Cincinnati for floral design work.

A pair of Yucca gloriosa recurva in flower was exhibited at the Massachusetts annual exhibition.

The prizes given for floral displays in San Francisco were probably the largest in America.

Dress garniture in natural flowers was all the rage. White was considered the correct thing for brides.

A well known rosarian said "I can tell whether my house is right as soon as I stick my nose inside the door."

A million dollars a year was expended on the Chicago parks which even then were among the finest in America.

A floral fort 5x6 feet made of Perle roses with 30 portholes worked out in red geraniums was one of the offerings to a popular actress at Washington.

Pressed edelweiss was imported from Alpine countries and used as bridal flowers.

A Cycas circinata 9 feet high, 14 feet in diameter, and perfect in form was sold in New York.

A bereaved mother had a cradle of flowers made for her infant child who had died. In it the body was kept until after the funeral services, and just before it was taken to the cemetery.

A floral design representing a 1000-mile ticket with coupons all gone and lettered "mileage gone and journey ended" was used at the funeral of a commercial traveler at Burlington, Iowa.

There were humorists in Washington. Mr. Smith of the botanic gardens there said of the diffenbachia that poisoned Humboldt "it has been re-christened the 'mother-in-law' plant because it is a tongue paralyzer."

The heaviest and most destructive hailstorm to date occurred at Madison, Wis. Hail stones five inches in circumference did over $300 damage to one firm's plant.

Dinner table decorations in all green were fashionable. A New Jersey plantsman had a stock of green roses, and made money owing to the brisk demand for these not very beautiful flowers.

EVANSVILLE, IND.—Edgar L. Fenton, rose grower for Julius Neidnagel, and Mrs. Luella Victor, were married September 25.

WHEELING, W. VA.—Albert T. Brandfass has withdrawn from the firm of John Dieckmann & Co., and he and Fred Rudge have accepted positions with J. L. Wyland, of De Haven, Pa.

NAPOLEON, O.—R. W. Hartman says he has nothing to complain of as far as business is concerned. He is meeting with a large retail trade, the demands of which his six greenhouses (10,000 feet of glass) are able to supply.

NORTH ADAMS, MASS.—A. J. Boothman is having a large addition built to his greenhouse. Mr. Boothman had charge of the decorations at the Foulder-Hamblen wedding, one of the most brilliant events of the year.

COLUMBUS, O.—Miss Gertrude Nellie Charles was married on September 26 to Edward J. Tyne. Mrs. Tyne has conducted a flower store at 605 N. High street for the past four years and is the oldest daughter of Mr. and Mrs. Charles, well-known florists of this city.

Chicago Notes.

Robt. Newcomb, formerly with the Central Floral Co., this city, is now located at Oakland, Cal.

Superintendent Jensen reports excellent progress with the extensive new construction work of the west park system.

Adam Ziska lost his mother by death October 20, the funeral occuring Monday. Mr. Ziska has the sympathy of the trade.

Mrs. Herman Schiller, who has been suffering from rheumatism for some time, developed blood poisoning and had to have her leg amputated October 23.

Henry Ostertag, of Ostertag Bros., St. Louis, was in town Saturday. He purchased stock to the value of $1000 for the funeral of Tony Faust, the big brewer.

Chas. Hartwig, the old-time rose grower of Lake View, visited the market Monday. This was an event so rare as to cause some comment among the wholesalers.

"To our friend Isaac" was the message in letters of flowers on the tribute sent by the newsboys of this city to the funeral of the late Isaac Woolf. The piece which was finely executed was composed of chrysanthemums and roses.

W. N. Rudd is much satisfied with his success with Rosiere chrysanthemums this season. His old stand-by, Ivory, is in fine shape again this year and the carnations promise well for the holidays, including a fine red seedling, the best red in sight.

Among the visitors this week was Geo. C. Watson of the J. W. Wolfskill establishment, Pasadena, Cal., returning from Europe. Mr. Watson reports having a very enjoyable time abroad, visiting some of the more important places in England and France.

It is said that Ed. Winterson went out to dine with some German friends one evening last week. In their efforts to show him a good time, the party adjourned to a theater. "The show was all right," said Ed., "but the actors spoke German. I don't."

Tuesday afternoon at the office of the Bentley-Coatsworth Co. a meeting was held of the chairmen of the committees having in charge the annual exhibition at the Coliseum November 6 to 11 inclusive. Reports were received showing the progress of the various departments.

The building commissioner, who has been creating so much noise in this city condemning structures and ordering alterations, is now after the building at 76 and 78 Wabash avenue, occupied by Bassett & Washburn, E. H. Hunt and L. Baumann in common with others. This means both trouble and expense.

Washington.

BUSINESS IMPROVES.

The business of the past week was much better than might have been expected, considering the fact that the weather has been and still continues wet and disagreeable. It is very trying on the growers. Roses and carnations were just picking up and beginning to show some points when they were given this new setback. Chrysanthemums are coming in quite freely, though no extra fine blooms have yet appeared. Carnations are scarce, a condition which seems to prevail over a large area of the country. Passable stock is already retailing here at 50 and 75 cents per dozen, and it looks as though prices will soar when the chrysanthemums are out of the way.

NOTES.

John Clarke, Sr., an efficient and trusted employe at the United States Botanical Gardens, has just returned from a visit to his son, another John Clarke who is in the service of the new seed firm of Fiske & Co., Boston, Mass. The elder Mr. Clarke enjoyed his visit thoroughly and was well pleased with the horticultural features of the Hub. Other members of Mr. Clarke's family are in the employ of Henry A. Dreer, Philadelphia.

For the banquet given the Old Time Telegraphers at the Arlington hotel, George C. Shaffer furnished an elaborate decoration, American Beauty roses being freely used. Autumn foliage made a fine effect in the hall decorations. At the same hotel within the past week, J. H. Small & Sons executed a fine decoration for the banquet of the powder manufacturers.

Clarke Bros. have a fine stock of pot chrysanthemums which are selling fast. The double poinsettias which this firm cultivates with success have made fine growth this season and promise an excellent Christmas cut.

During the week S. S. Pennock and E. J. Fancourt were visitors though whether they subscribed for stock in the Washington commission house project, deponent saith not.

The Washington Florists' Co. has an attractive window in which Killarney roses are a leading feature. At night a number of Japanese lanters are used with good effect.

The Gude Bros. Co. are now cutting a fine lot of American Beauty roses. These with their tea roses and big stock of chrysanthemums make this store very attractive.

John Robertson has been offering fine Enchantress and Lady Bountiful carnations, grown by John Brown, who has been uniformly successful in carnation culture.

S. E.

Pittsburg.

CHRYSANTHEMUMS ABOUND.

The chrysanthemum season is now on in full swing, heavy shipments arriving at all the commission houses and all retailers cutting heavily. Mrs. Robinson is the best white, while Bergman and Polly Rose are mostly used for medium grades. Pacific in pink is still the leader but other varieties are now coming in. Omega is the best yellow, October Sunshine and Monrovia coming next. Carnations are more plentiful, but still there is not near enough arriving. The chrysanthemums had the effect of lowering the American Beauty prices and piling up the stock, the long grades being especially plentiful. Other roses are moving nicely, all varieties arriving in excellent condition. Lilies are very scarce.

NOTES.

About November 1 the Pittsburg Cut Flower Co. expects to remove to its new quarters, 222 Oliver avenue, which for the past two weeks have been undergoing a remodeling for their use. The new location is more centrally located and will afford much more floor space in its five stories. P. J. Demas has returned from the east and reports a great scarcity of stock among the eastern Pennsylvania growers, many being very unfortunate with their carnations.

A. F. Lorch, of De Haven, was quoted in another publication as giving his opinion on stem rot at the recent club meeting of the Pittsburg and Allegheny Florists's Club. Mr. Lorch wishes it stated that he did not speak on stem rot and its cause, but only on early and late planting. From his own experience he has found early planting always does best for him.

Henry Wiggans, Butler street, was assessed, unjustly he declares, with a telephone bill which he refused to pay. A constable came to tack a constable's sale notice on Wiggans' place. Wiggans promptly put him to flight twice and finally a patrol squad took him to jail. Mr. Wiggins is out on bail and intends fighting the case to the finish through the courts.

D. C. Noble, of Columbia City, Ind., is sending in the best cut of carnations of the season at present. Mr. Noble was very fortunate to have a nice crop come in this time of scarcity and high prices.

The Washington Floral Co., of Washington, Pa., is shipping local houses a large cut of Polly Rose and Pacific chrysanthemums. They are also cutting some fine carnations.

J. W. Moxwell, who some time ago bought out E. J. Perry's business in Greensburg, joined the benedicts Thursday amid the congratulations of his many friends.

Mrs. J. Elicker, of Homestead, has been on the sick list the past few days.

J.

Buffalo.

BUSINESS FINE.

Fall weather in a very fierce form following the warmth of August was our portion the past week, but the snow and rain put a finish to dahlias and gladioli and the dark weather made all indoor stock scarce, consequently the florists were in a very bad way, and, as usual in bad weather, trade was fine. Chrysanthemums are arriving daily but the flowers are not very large as yet. Roses are very good, more especially Liberty and American Beauty, which are selling fast. Carnations are scarce, which is to be expected. Violets are of very fair quality and equally scarce. Orchids have been in fair supply and selling well.

NOTES.

Daniel O'Day, who died in Paris and was general manager of the United Pipe Lines and several kindred interests of the Standard Oil Co., was buried in this city October 16. It is safe to say that there has not been as many large and choice pieces and bunches at a funeral in a long time as were seen at this. There were designs and bunches from New York, Pittsburg, Toledo, Cleveland and Lancaster, Pa. Palmer & Son had some very fine work, while S. A. Anderson had the larger orders and full charge of all the flowers upon their arrival in Buffalo and their arrangement at Holy

Cross cemetery. The quality of the stock could not be better and the designs were fine. The only flowers allowed in the cathedral were a pall of violets which completely covered the casket on all sides. It was the family order and made by Chas. Thorley, New York. The New York flowers were sent here in charge of John J. F. Curry of Thorley's Fifth avenue store. Pittsburg flowers were in charge of W. H. Hall of A. W. Smith's.

Last week was a busy one for nearly all the florists, Palmer and Anderson both being very busy. The former had several fine dinners and a wedding. S. A. Anderson was rushed all week with receptions and three good weddings in and out of this city.

W. H. Grever, of W. J. Palmer & Son, has been on the sick list but is better now.

Visitors: C. N. White, of White Bros., Gasport, N. Y.; James Karins, of Henry A. Dreer's, Philadelphia, Pa.; C. S. Ford, Jr., Philadelphia, Pa.; Wm. Dykes, with Ed. Jansen, New York.

BISON.

St. Louis.

A BRISK MARKET.

The market was very active the past week. Carnations were greatly in demand but still remain very scarce. Roses are improving daily. American Beauty is arriving in fine color. The latter part of the week chrysanthemums arrived in quantity. There were some extra fancy Omega which brought fancy prices. Violets are improving both in length of stem and color and a few cold nights and days will help them considerably. Smilax, and Asparagus Sprengeri and A. plumosus are selling well. There was quite a demand all last week for lily of the valley. Many fancy ferns from the east are of very poor quality. White roses were greatly in demand, in fact there was good demand for all stock. The run on American Beauty roses was especially good owing to the meeting of the Bankers' Association.

NOTES.

Miss Krug, daughter of Joseph Krug, of Alton, Ill., was a heavy buyer here last week for large funeral orders. She stated that her father, who has been in business in Alton for over 40 years, hoped to celebrate his golden wedding November 5. He expected to cut from his houses Golden Wedding chrysanthemums which he proposed to use during the celebration.

The deal of Adolph Brix with T. Klockenkemper has been closed. Mr. Brix took charge of the greenhouses Monday. Henry Braun will be foreman and have full charge of the plants. He was formerly with A. Jablonsky, of Central, Mo.

John Steidle, of Central, is cutting some fine roses, Richmond, Killarney, Perle, Bride, Golden Gate and Bridesmaid, also some fine carnations. He disposes of all his cut, including violets, to F. C. Weber, the old established west end florist.

John Burke is doing a nice business at his store, Sixth and Locust. This is a most prominent corner. Last Saturday John received from Chicago a fine shipment of roses, including fancy American Beauty. This is the class John caters to.

Will Adels, with the Ayres Floral Co., can be seen daily hunting up first-class chrysanthemums and long stem fancy American Beauty roses. If he does not get his wants supplied everyone knows Will is around.

Alex. Waldbart & Sons have been very busy during the past week with all kinds of work. Their store and greenhouses are well stocked and their location is in one of the most fashionable neighborhoods.

Max Rotter, the North Broadway florist, has been busy all week hunting up white roses and carnations. It was reported that last Wednesday Max had succeeded in obtaining 25 white carnations.

Adolph Kohr has been very seriously indisposed for three weeks with pneumonia. He was down at the store for the first time last Saturday and hopes soon to recover his full strength.

The Ellison Floral Co. had the home decoration and tables at the Scarritt-Keller wedding. This firm is putting in new fixtures of Spanish cork bark, very unique and attractive.

Henry Ostertag, of the firm of Ostertag Bros., left for Chicago to make purchases to be used at the Faust funeral next Saturday. He has the family order.

We are glad to announce that Miss Armstrong has been removed from the hospital and is now on the way to recovery at her father's home in Kirkwood.

W. J. & M. S. Vesey, Fort Wayne, Ind., sent some of the choicest American Beauty roses ever seen in this market, also fancy yellow chrysanthemums.

Masek & Pelletier are doing a nice business in their new cross town location. They were very busy last week with weddings and decorations.

Fred Foster and his string of thoroughbreds will leave for the Chicago horse show. From Chicago he will go to Pittsburg.

Arthur Waldmann of Pine Lawn will soon be cutting from his two chrysanthemum houses and his one violet house.

The Diemer Floral Co., of South Broadway, reports trade as improving. The firm has an old established trade.

The Riessen Floral Co. has a most beautiful window display of chrysanthemums, violets and carnations.

Alex. Siegel has quit hunting bargains for a while, at least until stock becomes more plentiful.

A. Jablonsky, Central, is sending in to the market some fine roses and carnations.

Martin Reukauf, of H. Bayersdorfer & Co., Philadelphia, is with us.

The Bentzen Floral Co. is cutting good chrysanthemums.

W. F.

Cleveland, O.

BUSINESS ON THE RUSH.

Trade the past week has been on the rush at all times, with not enough stock to fill orders. Roses are bringing good prices although American Beauty is to be had in plenty. Carnations also go at satisfactory prices. Chrysanthemums are in great demand.

NOTES.

Chas. Bartells, of the Essex place, is sending in some fine early chrysanthemums that are meeting with ready sale at good prices.

Fred Ziechmann has returned from an extended trip through Germany where he enjoyed a long visit with his brother.

J. Kirchner has had a heavy run of funeral work the past week.

Milford Parks, of the Citizen building, reports business fine.

OHIO.

Cincinnati.

TRADE EXCELLENT.

The chrysanthemum is here in all its glory. Friday and Saturday of the past week the wholesale houses found their supply of this seasonable flower piling up and consequently prices took a downward course and by Saturday afternoon $1.50 per dozen was the best price realized. Polly Rose, or Estelle, Glory of the Pacific and Monrovia are the three varieties received the past week and they are pretty well cut out at this writing and we can truthfully state that every bloom received by the wholesalers was turned into money for the grower. Roses, too, have been good property, very few of these going to waste and carnations are too scarce to quote. Lily of the valley has been in good demand with not near enough for orders. Green goods are still in ample supply. If the demand continues for the balance of the month October 1906 will be a record breaker.

NOTES.

Geo. E. Kessler, of Kansas City, has been engaged by the local park commission to outline a system of parks for our city and is at present busily engaged in exploring the environs of the city on foot in order to study the landscape at close range. Mr. Kessler states the possibilities for a well ordered system of parks, with suitable connections, such as he finds here, enthuses him with delight upon every exploration made. Our parks may yet be the talk of the country.

We had the pleasure the past week of visiting the Rosebank greenhouses which are now in charge of Mr. Kirkpatrick who is ably assisted by Wm. Chissick and Wm. Turner. The stock looks very promising. Some very good flowers will be seen from this place the coming winter.

The past week Veronica Benson, of Newport, Ky., has been very busy with funeral work and his smiling countenance was missed around the wholesale houses.

Sunderbruch & Meier are installing a new steam boiler preparatory to an increase of four new houses.

Otto Walke has the sympathy of the craft in the loss of his four-year-old son.

H. B. McCullough is down east combining business with pleasure.

ALEX.

Columbus.

Business here is steadily on the increase and has been greatly augmented this past week by funeral work. Most of the chrysanthemums are showing up fine. Local florists, however, have been annoyed by a blight on two varieties, Pacific and Polly Rose. The blight has spread to such an alarming degree, that

it is quite likely that many growers will discard these two varieties in the future. Clementine Touset is surely a winner and is a great favorite with everybody. Some fine specimens are being produced by local growers.

The Maurice Evans place has been given a thorough overhauling and is now in better shape than it has been for some years past.

CARL.

Kansas City.

BUSINESS GOOD.

Several heavy frosts have occurred during the past week completing the destruction of everything in the way of outdoor plant life. The absence of outdoor flowers, which only a short time ago were plentiful, makes a lively demand for the regular stock of roses, carnations and other staple items. Wholesalers report a good demand, with a marked improvement, as well as an increase in stock. Shipping trade is fairly good. Retailers have had an unusually large share of funeral work during the week. Several stores that depend on Chicago for their best stock, complain of losing the shipments of American Beauty roses last week, probably on account of their being chilled. Teas are more plentiful and much improved in quality. Carnations are scarce in most instances. Violets are greatly called for with only a few to fill requirements. Chrysanthemums are arriving in larger quantities, and sell without difficulty. Such varieties as Polly Rose, Monrovia and Glory of the Pacific constitute the present supply.

NOTES.

"Horticultural Fakes and Fakers" was the subject of an interesting address made by J. H. Darche last Saturday at the regular meeting of the Missouri Valley Horticultural Society at Edwardsville, Kans. "Landscape Engineering" was discussed by Clarence Chandler of Kansas City. Papers of equal interest were read by Miss Marie Goodman also of Kansas City. Discussions pertaining to fertilizers brought out many valuable points in that regard.

This is a good season for foliage plants, especially ferns. Hardly a store is without a nice assortment of the different kinds, the most popular among them being Nephrolepis elegantissima. Kellogg is showing a new variety labeled the Kellogg, a plant greatly resembling elegantissima in size and shape.

A disastrous fire in Kansas City, Kans., October 20, resulted in a loss of over $50,000. The display of exhibits and paraphernalia of the carnival being held there was completely destroyed. A large number of palms used for decorative purposes was burned.

A. Broman, of Independence, is to be complimented on the good quality of roses which he sends in each day. His other stock is fully as creditable and makes a nice showing at Miss Daley's store.

Edward Tonquest who spent several years with Miss Daley is in the city renewing acquaintance with his large circle of friends. Ed. was well liked by all the boys and all welcome him on his return.

Rock's store was brilliant with the bright hue of autumn foliage last week. Huge baskets and vases of yellow chrysanthemums were arranged effectively together with many fine crotons.

The woods in this locality are more beautiful than ever this fall. The coloring is more complete, and the leaves have a remarkable lasting quality.

The five-hundredth electric sign now sheds its rays on busy Main street. This was recently placed in front of the People's Floral Co.'s store.

A story is making the rounds that a large store is to be established in Kansas City, Kans., by one of the leading firms on this side.

Fred Fromhold was absent from the store last week, serving on the election board.

W. J. Barnes had the decorations for a large wedding last week.

Miss Peterson is reported much improved. K. C.

San Francisco.

BUSINESS STEADILY IMPROVES.

October is not interfering with California's nice summer weather, a bit too warm at midday, causing pedestrians to seek the shady side of the streets; and already in the current month chrysanthemums are plentiful, and violets too, and their inviting freshness has so lured consumers the past week to investment that I have found no florists complaining. Everything portends well for the trade, is what all the re-established florists say, and the few not yet re-entered in the swim are beginning to think so, too. In evidence of this I note the re-establishment this week of a trio of ante-calamity florists who have posted for their trade name the Geary Street Florists." The site selected is 1136 Geary street, around the corner from Van Ness avenue. The proprietors are E. Rosaia, formerly and for many years at the head of a Fourth street store named Young American Florists, G. Rosaia, a long time proprietor of the Floral Depot at 31 Geary street, and E. Matraia, formerly part owner of the Art Floral Co.

And Florist Culligan, who grew up in the trade under the preceptorship of veteran George B. Jones, and took upon himself the veteran's mantle 18 months before the earthquake, is as busy as he can be looking for a desirable flower trade location in time for the fall trade.

At the side of a huge vase holding a large cluster of 4-foot stemmed American Beauty roses I heard Luther Burbank talk this week to a larger cluster of students at Stanford university. He told in his speech of the best way to regard inventions and discoveries and advised the students to be generous with their ideas. "If you happen to get a new idea," he said, "don't build a barbed wire fence around it and label it yours. By giving your best thoughts freely, others will come to you so freely that you will soon never think of fencing them in. Thoughts refuse to climb barbed wire fences to reach anybody."

Here is future work for California's landscape gardeners and floriculturists, and the California Promotion committee want me to mention that they have received word to the effect that Harlow N. Higinbotham, president of the Columbian Exposition of Chicago, is heartily in sympathy with the movement to hold a Pacific Ocean Exposition in this city in 1913. Mr. Higinbotham says that now is the time to launch the proposition to hold the exposition. He thinks there will be a world-wide attendance, and that exhibitors will be greatly interested. By the time the exposition is held the city will have fully recovered from the effects of the recent fire and will in itself be an object lesson to the world of the way things are done in this part of the country.

JESSE WHITE.

Des Moines, Ia.

TRADE BRISK.

Business the past week has been very brisk, a decided improvement over last week. The heavy frost killing the outdoor stock made the demand for other stock impossible to secure. The demand for carnations was large, and the scarcity of them made the retailers substitute as best they could. Several large weddings and funerals practically cleaned up everything every day. Chrysanthemums are coming in and are very good, but owing to the high prices are not selling very rapidly. Violets, too, are in market, but of an inferior quality.

NOTES.

Wesley Greene has returned from the state convention, held at Dubuque, and reports a very good meeting and a very enjoyable trip, especially the steamer ride up the river. At the meeting the following officers were elected: Theo. Ewoldt, Davenport, president; Judson Kramer, Cedar Rapids, vice-president; W. A. Harkett, treasurer; Wesley Greene, Des Moines, secretary; W. E. Kemble of Oskaloosa, J. F. Wilcox of Council Bluffs, F. L. Larson of Fort Dodge, and C. L. Adams, directors. The meeting next year will be held at Des Moines during state fair week.

The Alpha Floral Co. displayed some very fine chrysanthemums in its window this week. The firm has recently painted the interior of the store, a new sign, and fixed things up in general, which makes it very attractive.

Vaughan's Greenhouses were sold out of everything last week, and could have sold, it is said, twice the amount if they had it. Their supply of carnations being very limited they were unable to supply the demand.

Harvey Lozier has returned from Minneapolis and has again resumed his position at the store of A. T. Lozier.

A. G. Lozier expects to leave in a short time for Texas where he will spend the winter. M.

GREENVILLE, MICH.—The Fair Association's first fair was a great success. L. C. Lincoln exhibited decorative and flowering plants and also some cut flowers.

OBITUARY.

Major Clarence T. Barrett.

Major Barrett died of pneumonia October 12 at his home in West New Brighton. Born in Rahway, N. J., he later in life took up landscape architecture, afterwards enlisting in the New York volunteers and for gallantry in the civil war he was brevetted.

THE AMERICAN FLORIST

TWENTY-SECOND YEAR.

Subscription, $1.00 a year. To Europe, $2.00
Subscriptions accepted only from those in the trade.

Advertisements, on all except cover pages, 10 Cents a Line Agate; $1 00 per inch. Cash with Order.

No Special Position Guaranteed.

Discounts are allowed **only on consecutive insertions**, as follows—6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent.

Space on front pages and back cover page sold only on yearly contract at $1.00 per inch, net.

The AMERICAN FLORIST Advertising Department is for florists, seedsmen and nurserymen and dealers in wares pertaining to those lines only.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Monday to secure insertion in the issue of the same week. Address

AMERICAN FLORIST CO., Chicago.

When sending us change of address always send the old address at the same time.
We do not assume any responsibility for the opinions of correspondents.

THIS ISSUE 52 PAGES WITH COVER.

CONTENTS.

Florists' forcing bulbs and roots..627
—VIII—Dutch hyacinths 627
—Forcing lily of the valley.....628
—Retarded lily of the valley and its culture 628
Chrysanthemums 628
—Notes on varieties (illus.).....628
—Chrysanthemum Society of America (illus.) 629
—Premature wilting of blooms.....629
Greenhouse construction 630
With the growers 632
—John Scott, Flatbush, N. Y.(illus.)632
—The Templin Co., Youngstown, O..632
To be done now.....633
At the Chicago parks.....634
Twenty years ago.....634
Chicago notes 635
Washington 635
Pittsburg 635
Buffalo 635
St. Louis 636
Cleveland, O. 636
Cincinnati 636
Columbus 636
Kansas City 637
San Francisco 637
Des Moines, Ia.....637
Obituary—Maj. Clarence T. Barrett..637
Society of American Florists.....638
Legal points—Contaminated water..638
The Chicago show 638
Coming exhibitions.....638
Catalogues received 639
Meetings next week 639
Queries—Capacity of boiler.....640
—Steam or hot water for heating..640
—To heat a greenhouse.....640
—Concrete or cement block walls..640
News notes.....641
Chicago 645
Philadelphia 646
Boston 646
Louisville 646
New York 648
Providence, R. I. 648
Newport, R. I. 648
The seed trade 652
The nursery trade 654
The fumigation of nursery stock..654
Syracuse, N. Y. 654
Dubuque, Ia. 654
Glen Cove, N. Y. 654
Seattle, Wash. 654
Indianapolis 658
Los Angeles 660
Bucyrus, O. 660
Meredith, Mass. 660
Special illustrations:—
—First prize gateway decoration at Newport, R. I. 630
—Crimson Rambler rose automobile.631

You can sell stock plants of good varieties of chrysanthemums by advertising them.

SECRETARY ALBERT M. HERR, of the American Carnation Society, has issued an appeal for special premiums and new members.

THE big freeze caught many unprepared and as a consequence there will be many short of propagating material for next season's supply of bedding stock.

A MEETING of the executive committee of the Society of American Florists will be held at Chicago November 8 to consider matters pertaining to the international flower show, which it is proposed to hold at Chicago November, 1908.

THE heat of summer is too great for the culture of Odontoglossum crispum to be satisfactory, we have been told recently. But this used to be said of several European countries and in these very countries now the finest varieties in the world are grown, and in the best style too.

THE Young Men's Commercial Club of Storm Lake, Ia., advises us that the business men of that section are very desirous of getting a man who is competent and a good hustler to locate there and establish a good greenhouse business. The association will do everything that it can to assist such an enterprise.

Society of American Florists.

DEPARTMENT OF PLANT REGISTRATION.

C. G. Roebling, Trenton, N. J., submits for registration Laelio-Cattleya Washington A. Roebling 2nd, (Laelia harpophylla x Cattleya granulosa). Flower bright yellow, with pink on lip, bulbs slender, 10 inches long, double-leaved; leaves one and one-half inches broad and eight inches long.

WM. J. STEWART, Sec'y.

Legal Points.

CONTAMINATED WATER.

In our last issue, page 584, reference was made to the fact that Gus Knoch, Woodmere, Mich., was suing the local gas company for a loss sustained by the company's refuse contaminating the water that flows through his place where he grows water hyacinths, the sale of which this season amounted to 75,000 plants. We are now advised that he has been awarded $800 damages.

The Chicago Show.

The joint exhibition of the Horticultural Society of Chicago and the National Chrysanthemum Society of America is close upon us, and in this connection I wish to say a few words to the exhibitors, and also to call the attention of members of the allied trades to the importance of the success of the show. It comes before the public as an exponent of all that is choicest and most beautiful in the art of the florist, and it is hardly necessary to add that every one of our workers must of necessity share in the common benefit which this success insures.

Great blame would attach to us as a body should failure result, but success is assured, as much as possible by the loyalty and devotion to the cause shown by the leading Chicago florists, all of them men with whom it is a pleasure to be associated in work of this nature. Formidable obstacles there are in front of us, but they are there to be overcome. In order to keep faith with the public the short space of 30 hours only is given us for the installation of the show, and we must have everything in order. I would like to suggest to the exhibitors that as far as possible they prepare their exhibits on Monday, for as the exhibition opens to the general public at 1 p. m. on Tuesday a clear field by 11 a. m. is absolutely necessary for the judges. The first thing the public wishes to know is to whom the premiums are awarded and the public must be considered. The managers trust then that exhibitors will combine with them to further this very desirable end.

As there are no facilities for the disposal of rubbish at short notice each exhibitor should have a suitable conveyance at hand and remove all such waste material and loose packing pertaining to his own exhibits. The manager will be at the disposal of all exhibitors at the entrance, and will give all requisite information regarding entrance, location of classes, and amount of staging necessary. A shipping clerk will be in attendance to receive and give receipt for all deliveries. Owing to the kindness and courtesy of the trade members we shall have ample help of an experienced character, to carefully handle all shipments in a manner befitting the importance of the show.

This exhibition is going to be very freely patronized and visited by the public and its merits will long be a matter for conversation and discussion. Plans of the ground floor of the building with locations of the different exhibits as far as possible are to be prepared at once. As from 30,000 to 50,000 are to be printed the name of the exhibitors opposite their exhibits should constitute an advertisement of no mean order, practically every visitor to the show getting a copy. In conclusion it may be added that it is not the amount of material crowded into a given space that makes the exhibit successful but attractive and artistic arrangement, combined with correct blending or contrasting of color.

GEORGE ASMUS, Mg'r.

Coming Exhibitions.

(Secretaries are requested to supply any omissions from this list.)

BOSTON, MASS., November 2-4, 1906.—Chrysanthemum exhibition Massachusetts Horticultural Society. Address Wm. P. Rich, Horticultural hall, 300 Massachusetts avenue, Boston, Mass.

CHICAGO, November 6-11, 1906.—Annual exhibition Horticultural Society of Chicago. Address Willis N. Rudd, Blue Island, Ill.

DENISON, TEX., November 8-10, 1906.—Annual flower show. Denison Civic Improvement League. Address T. W. Larkin, Denison, Tex.

LOS ANGELES, CAL., October 31—November 3, 1906.—Autumn exhibition Southern California Horticultural Society. Address Ernest Braunton, 115½ N. Broadway, Los Angeles, Cal.

MADISON, N. J. November 1-2, 1906.—Eleventh annual flower show Morris County Gardeners' and Florists' Society. Address E. Reagan, Box 315, Morristown, N. J.

NEW HAVEN, CONN., November 6-8, 1906.—Annual exhibition New Haven County Horticultural Society. Address Thos. Pettit, 90 Prospect street, New Haven, Conn.

ORANGE, N. J., November 5-6, 1906.—Twelfth annual flower show New Jersey Floricultural Society. Address Joseph B. Davis, Orange, N. J.

PROVIDENCE, R. I., November 9-10, 1906.—Chrysanthemum and carnation exhibition Rhode Island Horticultural Society. Address C. W. Smith, 27-29 Exchange street, Providence, R. I.

RED BANK, N. J., October 31-November 1, 1906.—Ninth annual exhibition Monmouth County Horticultural Society. Address H. A. Kettel, Red Bank, N. J.

TARRYTOWN, N. Y., October 30-November 1, 1906.—Eighth annual exhibition Tarrytown Horticultural Society. Address E. W. Neubrand, Tarrytown, N. Y.

TORONTO, Ont., November 6-10, 1906.—Annual Ontario Horticultural exhibition. Address H. B. Cowan, Parliament building, Toronto, Ont.

WORCESTER, MASS., November 8, 1906.—Chrysanthemum exhibition Worcester County Horticultural Society. Address Adin A. Hixon, Horticultural hall, 18 Front street, Worcester, Mass.

LAKE GENEVA, WIS., November 9-10, 1906.—Chrysanthemum exhibition Lake Geneva Gardeners' and Foremen's Association. Address Alex. Johnson, Lake Geneva, Wis.

Catalogues Received.

P. J. Berckmans Co., Augusta, Ga., nursery stock; John Lewis Childs, Floral Park, N. Y., bulbs and plants; Geo. H. Peterson, Fair Lawn, N. J., peonies; Vilmorin-Andrieux & Co., Paris, France, seeds and bulbs; W. E. Marshall & Co., New York, bulbs; Schlegel & Fottler Co., Boston, Mass., bulbs; The Frank S. Platt Co., New Haven, Conn., bulbs and seeds; Weeber & Don, New York, bulbs, roots and seeds; Henry Saxton Adams, Wellesley, Mass., Dutch bulbs; L. J. Draps Dom, Laeken-Bruxelles, Belgium, plant novelties; Old Colony Nursery, Plymouth, Mass., nursery stock; Cherry Hill Nurseries, West Newbury, Mass., peonies, iris and phlox; K. Wezelenburg & Son, Hazerswoude, Holland, nursery stock; The Herendeen Mfg. Co., Geneva, N. Y., Furman boilers; Shatemuc Nurseries, Barrytown, N. Y., herbaceous perennials, dahlias, etc.; Henry F. Michell Co., Philadelphia, Pa., bulbs and seeds; Vaughan's Seed Store, Chicago and New York, seeds, bulbs and plants; Portland Seed Co., Portland, Ore., bulbs, roses and nursery stock; Peter Henderson & Co., New York, seeds, bulbs, plants, etc.; W. W. Barnard Co., Chicago, bulbs and seeds; Lord & Burnham Co., New York, iron frame greenhouse, boilers, ventilators, etc.; Forest Nursery Co., Irving College, Tenn., nursery stock and seeds; Arthur T. Boddington, New York, bulbs, seeds and plants; Perry's Hardy Plant Farm, London, Eng., bulbs and tubers; Geo. S. Josselyn, Fredonia, N. Y., grape vines, small fruit plants, etc.; W. W. Rawson & Co., Boston, Mass., bulbs; John Peed & Sons, London, Eng., bulbs; J. H. Broxey, Dayton, O., plant support; Ottolander & Hooftman, Boskoop, Holland, new roses; Burbank's Experiment Farm, Santa Rosa, Cal., novelties in seeds, bulbs and plants.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

Cash with Adv.

Plant Advs. NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1906 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—By an all-around, single florist; commercial or private place. Address Key 803, care American Florist.

Situation Wanted—By A1 grower of roses and general stock; capable of managing large plant. H. BORNHOFT, West Seattle, Wash.

Situation Wanted—By experienced grower of orchids, palms, stove and ornamental plants, etc.; good references. Key 812, care American Florist.

Situation Wanted—By an experienced foreman and section man; up-to-date carnation grower; can refer you to best growers in the country. Key 814, care American Florist.

Situation Wanted—November 1, by practical, experienced grower of roses and carnations; is capable of taking entire charge. Address THE ROSEDALE FLORAL CO., McHenry, Ill.

Situation Wanted—As manager of large commercial place by a young man with all-around experience as a florist, nurseryman and landscape architect; prefer to manage a place for one who has lots of money to invest and would pay salary and part of profits; good references. Address Key 816, care American Florist.

Situation Wanted—Frenchman, 28, 14 years' experience in all branches; first-class references from largest French private places; 2 years' American experience in carnations, ferns, roses, chrysanthemums, fruits and vegetables under glass; good worker; no alcohol. Want place with advancement from November 10. Address E. M., care American Florist, 1133 Broadway, New York.

Help Wanted—General greenhouse man. Address G. A. HEYNE, Dubuque, Ia.

Help Wanted—One rose grower, one helper, and one for propagating and potting. Address J. F. WILCOX, Council Bluffs, Ia.

Help Wanted—Two first-class florists and salesmen. Must be good in making floral designs. J. SEULBERGER, 414 14th St., Oakland, Cal.

Help Wanted—Married man, with references, for a carnation section. State wages wanted. Address Key 817, care American Florist.

Help Wanted—At once; a good rose grower at $14 per week, and one helper at $12 per week. Address Key 819, care American Florist.

Help Wanted—A carnation and plant grower. Address, with particulars as to experience and wages expected, Key 818, care American Florist.

Help Wanted—A rose grower to take charge of a section; must be sober and reliable; state references and wages. Address C. C. POLLWORTH CO., Milwaukee, Wis.

Help Wanted—Good general greenhouse man for retail place. State experience and give full particulars first letter; $50.00 per month to begin. Address C. H. GREEN, Fremont, Neb.

Help Wanted—Man and his wife to run boarding house, from three to four boarders; will give man position as packer of cut flowers or fireman in greenhouse. Address Key 821, care American Florist.

Help Wanted—First-class florists' store man; must have good appearance and address and be expert decorator and designer, also used to plant trade and a hustler. Address Key 815, care American Florist.

Help Wanted—Florist and landscape gardener; experienced, thoroughly competent, sober and industrious. State experience, age, married or single. Wages $40 per month, board, room and laundry. Key 813, care American Florist.

Help Wanted—Competent orchid grower to take charge of a private place west. Has one assistant; must be single, sober and industrious. State references and salary expected. Address W. H. S., Windermere Hotel, Cor. Cornell Ave. and 56th St., Chicago.

Help Wanted—A reliable, sober man who understands growing roses, carnations and bedding plants, to take charge of 5,000 feet of glass, heated by natural gas; must be a good salesman and designer. State wages with board. Address JNO. CORBETT, Mt. Sterling Floral Co., Mt. Sterling, Ky.

For Sale—Nine greenhouses, dwelling house and barn, 3½ acres of ground. For particulars address P. O. Box 109, Newtown, Bucks Co., Pa.

For Sale—A1 down-town retail store for sale; established 10 years; bargain. Enquire VAUGHAN & SPERRY, 60 Wabash Ave., Chicago.

For Sale—Flower store and greenhouse, splendid location and good, established trade. Will sell cheap on account of other business. Address Key 808, care American Florist.

For Sale—A thriving florists' business in Illinois; 20,000 ft. of glass, all planted with roses, carnations, 'mums and general stock in fine condition; modern 10-room dwelling, all built within the last 10 years; last year's sales, $6,000.00. Cause for selling, other business. Address Key 805, care American Florist

For Sale—All the glass 10x12 double strength A, on five houses, each 20 ft. by 115 ft., for $500 as it stands. Will include sash bars and doors. Also two Kroeschell hot water boilers; one steam boiler, 20 H. P., used three months, dirt cheap. Several thousand feet 4-inch hot water pipe, 7c per foot. BRANT & NOE FLORAL CO., W. Peterson and N. 48th Aves., Chicago.

For Sale—Worthington duplex steam pump, capacity 30-40 gal. per minute, in good condition, $45.00; No. 1 receiver and fittings for pump, good as new $50.00. Dean pump for hand or steam, almost new, $20.00; 6-inch pressure regulator, used two seasons, $50.00; 2½-inch pressure regulator, $18.00. Carnation supports, $15.00 per 1000; $125.00 for 10,000. JAMES W. DUNFORD, Clayton, Mo.

FOR SALE.

Old established retail florist's store. Reason for selling, going west. For particulars, write to

F. K., 700 N. 5th St., Philadelphia, Pa

PUBLIC SALE OF GREENHOUSES.

Thursday, November 1st, at 10 a. m.,
at 21st and Edgemont Ave., Chester, Pa.

Greenhouse building, frames, sashes, glass, pots, and all effects belonging to the greenhouse plant of the late Thomas F. Delahunt, deceased. For particulars apply to

JOHN D. HOWARD, Auctioneer, Chester, Pa.

FOR SALE.

Des Moines, Iowa, wholesale and retail greenhouse establishment, 29,000 feet of glass, three acres of ground, well located, all in good order, with good wholesale and retail trade. Price, about $8,400; terms reasonable.

VAUGHAN'S SEED STORE
CHICAGO.

BOILERS.

One 80 H. P. return tubular, one 32 H. P. upright tubular, for sale at buyer's price. Must be moved at once. Address

1416 Washington Ave.,
PHILADELPHIA.

WANTED.

General manager and superintendent of large commercial place situated in Ohio, where cut flowers are a feature. Prefer a man of some means and sterling worth, who would be able to buy an interest in the place when, after twelve months' employment, he has proved his ability to grow first-class stock.

Key 820, care American Florist.

GLASS FOR SALE.

We have for sale a quantity of A. and B. double thick, Pennsylvania hand made, tank glass, all of which runs exceptionally uniform in quality and thickness. Terms cash. Inquiries solicited.

King Construction Co.
NORTH TONAWANDA, N. Y.

Make Your Want Known

If you want to get rid of it. A want advertisement in the

AMERICAN FLORIST

will do what you want. Try it now. Back of every ad is a real want, so it pays to answer them. : : : : :

QUERIES.

Capacity of Boiler.

ED. AMERICAN FLORIST:—

Can a 10 H. P. traction boiler be used to heat a house 20x100 feet with steam, maximum temperature of 60°? Can the above boiler be used with hot water instead of steam?

J. B. C.

While a 10 H. P. traction boiler could be made to furnish a sufficient amount of steam to heat a house of the size mentioned, a difficulty is likely to be found from the fact that the grate and firebox are rather small to hold sufficient fuel to maintain the desired temperature without frequent attention. The same would be true but to a less degree with hot water. In case such a boiler is used with hot water, it would be necessary to have flanges that will permit of the connection of 2½-inch flows and returns although, if preferred, two 2-inch flows and returns could be used instead.

L. R. T.

Steam or Hot Water for Heating.

ED. AMERICAN FLORIST:—

Is the best heat in greenhouses, in which to raise lettuce, hot water or steam heat, and why? Which way would you run your length, north and south or east and west?

C. K. & S.

For modern houses with glass of good size it will make little difference whether the houses run east and west or north and south, if built even span, but of course for unequal spans it will be better to have the slope to the south.

Particularly for small houses where the care will at best be irregular, hot water will be the more satisfactory, but there will be little difference so far as the results are concerned in large plants. As a rule, steam is used where there are large areas of glass, as the expense for installation is not more than two-thirds as much as for hot water, owing to the amount of radiating surface required being 50 per cent less. If both plants are properly handled there will be little difference in the results secured.

L. R. T.

To Heat a Greenhouse.

ED. AMERICAN FLORIST:—

I have a house, 14 x 46 feet, heated from a Hitchings No. 212 hot water boiler, with the piping put in according to specifications furnished by the Hitchings Co. This gives 55° with an outside temperature of 20° below zero. To this house I have built an addition, 9½ x 37 feet, 7½ feet at the ridge and 4 feet at the sides. This house is joined to the gable end of the first, covering the door and some of the glass. The roof is of hot bed sash with no glass at the sides. How much piping will be necessary to keep the addition at 40° during the severest weather? Will it be necessary to put in an additional boiler? If not, how should the piping be connected? Would it be satisfactory to run pipes from the mains at the end of the first house under the middle bench in place of the coils now there and then connect with the coils under the two benches in the addition?

M. E. T.

The new house will require about one-half as many runs of pipe as the old one. The question does not state how many or what size of pipe is now used and this makes a definite answer impossible. It will be possible to extend a sufficient number of the pipes from the present house to give the radiation needed. Thus if 2-inch pipe is used it would require about eight lines in the present house, while four would answer in the new one. A good way would be to run two flows down one side of the house and back on the other, or there could be a flow and return on each side. The boiler would be amply large to heat both houses to 60°.

L. R. T.

Concrete or Cement Block Walls.

ED. AMERICAN FLORIST:—

Which will be the better, concrete or cement blocks for a greenhouse 17x50 feet, with 3½-foot walls of even span? The cost of building would be the same in either case. The cement blocks are 8x20 inches and hollow. Will an 8-inch wall be sufficient and how would the gutter be held to keep it from slipping out of place?

KANSAS.

In the construction of a greenhouse it will be advisable to use concrete for the portion of the walls below the surface of the ground. This can be made by the use of five parts broken stone or coarse gravel, three parts sharp sand or fine gravel and one part of cement. These should be thoroughly mixed together and then moistened so that every portion will be damp but no water should be apparent upon the surface. It will be an easy matter to build the wall below the surface of the ground if a trench of the exact width of the wall is dug. From that point up to the grade line, a form of plank should be constructed. The grout should be placed in this trench in layers about four inches deep and very thoroughly rammed. It will be well to have the grout wall ten inches thick and above that use the hollow, cement blocks described above. The plate can be held in place by setting 10-inch bolts between every third block, or by using half-inch gas pipe, set so as to extend 1½ inches above the blocks. The plate should be bedded in the cement and the pines will project sufficiently to keep the plate from slipping.

L. R. T.

HYDE PARK, MASS.—Geo. B. Anderson has added a brick chimney to the boiler room of his greenhouses.

A HOLLY WREATH FOR HOLIDAY CIRCULARS AND ADVERTISING : : : :

Plates for printing this fine Holly Wreath in two colors—green leaves and red berries and ribbon—$5.00 per set of two plates.
Smaller size, 2x2½ inches, $3.00 per set of two plates.
Plate of above sizes for one color, $2.70. The smaller size, one color, $1.50.

Cash with order.

American Florist Company,
324 Dearborn Street, CHICAGO.

Exhibition Stock

FOR THE FALL SHOWS.

AT MODERATE PRICES

THE KIND THAT WINS PRIZES

17 Firsts on 19 Entries at Illinois State Fair

We are now cutting heavily on **Roses, Beauties, Carnations, Valley, Lilies. Asparagus.** (extra long strings), **Adiantum, Sprengeri** and **Smilax. The quality** of our Roses was never so good as this season. Richmonds are especially select long stems. We submit our price list. : : : : : :

CHRYSANTHEMUMS.....doz.,	$2.00 to $4.00
AMERICAN BEAUTIES	
Select, long.....per doz.,	$3.00 to $4.00
Select, medium.....per doz.,	1.50 to 2.00
Select, short.....per doz.,	.50 to 1.25
Maid, Bride, Killarney, Chatenay, Perle,	Per 100
Select.....	$6.00
Medium	4.00
Short.....	$2.00 to 3.00
Richmond, Kaiserin, select.....	6.00 to 8.00
Medium	4.00
Short	2.00
Carnations.....	2.00 to 3.00
Valley, select.....	4.00
Lilies.....	16.00
Violets.....	1.00
Asparagus.....per string,	50c
Sprays.....per bunch,	25c to 35c
Sprengeri.....per bunch,	25c to 35c
Smilax .....per doz.,	$1.50
Adiantum.....per 100,	75c to 1.00
Ferns.....per 1000,	1.50

POEHLMANN BROS. CO.

WHOLESALE GROWERS OF CUT FLOWERS

'Phone Central 3573. **33-37 Randolph St., CHICAGO.**

NEWS NOTES.

SAN FRANCISCO, CAL.—P. C. Meyer & Co. have located at 1856 Ellis street.

NORWOOD STATION.—Dr. James Laughlin, of Chester avenue, is enlarging his conservatories.

CAMBRIDGE, MASS.—Davis the Florist has opened a new place at 510 Massachusetts avenue.

GREENWOOD, MASS.—Richard L. Pittman is enjoying a few weeks vacation in the Granite state.

MILWAUKEE, WIS.—Pohl & Krause have dissolved partnership. Gustave N. Pohl will continue the business.

RUMFORD FALLS, ME.—Chas. Fernald has started a retail store here which will prove a great convenience for many.

CINCINNATI, O.—The service board has awarded a contract for installing new boilers at the Eden park greenhouse at a cost of $890.

WARREN, O.—Mrs. Geo. W. Gaskill has sold her greenhouse to D. P. Nelson who has been foreman for Poehlmann Bros., Chicago.

PIQUA, O.—Herman G. Hershey has opened a floral depot in Main street near Water and has a fine display of both cut flowers and potted plants.

SPRINGFIELD, MO.—The Pioneer Floral Co. has recently been incorporated with a capital stock of $5,000. The stockholders are chiefly members of the Springfield Seed Co. of this city.

SPRINGFIELD, O.—Patrick J. Agnew has moved to Dayton and has become manager of a large greenhouse in Floral avenue there. His greenhouses here have been leased to Wm. Campbell.

ALLIANCE, O.—The Lamborn Floral Co. has completed two new 300-foot houses. J. F. Zimmerman has also been building, having erected an addition, 15x60 feet, for a propagating house.

BRATTLEBORO, VER.—The stakes have been set to mark out the foundation of a new house which C. E. Allen will build just beyond his present residence on Canal street. An addition will be built soon to the east side of the old house.

FARMINGTON, ME.—Lewis W. Ripley of the Falls road has purchased the greenhouse of Z. H. Greenwood and is moving it to his land recently purchased of Chester Greenwood which was a part of the Bradbury estate.

PONTIAC, MICH.—The Pontiac Floral Co. was the lowest bidder for furnishing gravel for the cement tunnel under the Detroit river by 2½ cents per yard. The tunnel will require between 300,000 and 400,000 yards of gravel.

LAPEER, MICH.—Harlow P. Davock, referee in bankruptcy, appointed Francis McElroy trustee and Robert Jardine and two other citizens appraisers in the bankruptcy of W. H. Watson, proprietor of the W. H. Watson, Son & Co., who is said to owe $20,000.

ALBANY, N, Y.—John Berberick, the south end florist, has built a new addition and greenhouse to his store and installed an electric plant which makes his establishment one of the most up-to-date. He has a fine stock of ferns and palms growing for the holiday trade.

HAMILTON, ONT.—F. H. Lamb, assignee for the Webster Floral Co., has disposed of the stock-in-trade to a new company, composed of several local merchants, formed to carry on the business on a more extensive scale both wholesale and retail.

CAMBRIDGE, MASS.—Macklin Bros. have reopened their store at 1800 Massachusetts avenue, which was closed early in July, for the summer. In the interim, the business has all been carried on from the conservatories, corner of Oxford and Crescent streets.

BALTIMORE, MD.—The annual meeting and exhibit of the Maryland State Horticultural Society will take place at the Fifth Regiment armory on December 5 and 6. Attractive prizes have been offered and all fruit, flowers and vegetable growers in the State have been urged to make exhibits.

OAKLAND, CAL.—The weather here is fine as midsummer at present and the greenhouse and outdoor chrysanthemums are just coming in and are selling well at very fair prices. Violets have been in the market for about a month and are selling very well. Business in general is very good, but as a great many of our florists left after the earthquake almost all the stores are very short of competent help. The outlook for this winter seems to be very bright.

BEAVEN'S
Fadeless Sheet Moss
$3.50 per bag.

Southern Wild Smilax
IN ANY QUANTITY.
E. A. BEAVEN, Evergreen, Ala.

Wholesale Flower Markets

ST. LOUIS, Oct. 24.

Roses, Beauty, long stem	3.00@ 3.50
" " medium stem	1.50@ 2.50
" " short stem	.50@ 1.00
" Bride, Bridesmaid	2.00@ 6.00
" Pres. Carnot	2.00@ 8.00
" Kaiserin	2.00@ 8.00
" Chatenay, Richmond	2.00@ 5.00
Carnations, common	1.00@ 1.50
" best	2.00@ 3.00
Smilax	12.50
Asparagus Sprengeri	1.00@ 3.00
" Plumosus, strings	25.00@40.00
Fancy ferns $1.50 per 1000	
Lily of the valley	4.00
Chrysanthemums, fancy	$2@$3 doz.
" oadinary	.75@1.50
Violets	.50

PITTSBURG, Oct. 24.

Roses, Beauty, specials	25.00
" " extras	15.00@18.00
" " No. 1	10.00
" " ordinary	3.00@ 6.00
" Bride, Bridesmaid	2.00@ 6.00
" Chatenay	4.00@ 6.00
" Richmond	4.00@ 6.00
" Kaiserin	4.00@ 8.00
" Cusin	4.00@ 6.00
" Perle	4.00@ 6.00
" Bon Silene	2.00@ 3.00
Chrysanthemums	6.00@30.00
Carnations	1.00@ 3.00
Lily of the valley	2.00@ 4.00
Smilax	12.50@15.00
Asparagus, strings	30.00@50.00
" Sprengeri	2.00@ 4.00
Lilies	18.00@20.00
Adiantum	.75@ 1.50

CINCINNATI, Oct. 24.

Roses, Beauty, per doz	1.00@ 4.00
" Bride, Bridesmaid	3.00@ 6.00
" Liberty	4.00@ 8.00
" Meteor, Golden Gate	3.00@ 6.00
Carnations	1.00@ 3.00
Lily of the valley	3.00@ 4.00
Asparagus	50.00
Smilax	12.50
Adiantum	1.00
Asparagus plumosus and Sprengeri in bunches	per bunch 25c
Ferns	1.50 per 1000
Longiflorum lilies	6.00@15.00
Asters	1.00@ 2.00
Gladiolus	2.00@ 3.00

MILWAUKEE, Oct. 24.

Roses, Beauty	per doz. .75@ 3.00
" Liberty, Chatenay	2.00@ 6.00
" Bride, Bridesmaid	2.00@ 6.00
" Meteor, Golden Gate	3.00@ 6.00
" Perle	2.00@ 4.00
Carnations	2.00@ 3.00
Smilax	@12.00
Asparagus, sprays	3.00
" Sprengeri	3.00
Lily of the valley	4.00
Adiantum	1.00@ 1.50
Lilium rubrum, short	4.00
Chrysanthemums	10.00@35.00
Common ferns	$1.50 per 1000

CLEVELAND, Oct. 24.

Roses, Beauty, per doz	1.50@ 3.00
" Bride, Bridesmaid, Meteor	3.00@ 5.00
" Kaiserin	4.00@ 8.00
Carnations	1.00@ 1.50
Smilax	15.00
Asparagus, strings	25.00@50.00
" Sprengeri	1.00@ 2.00
Common ferns	$1.50 per 1000

LOS ANGELES, CAL.—Because he is recognized as one of the best plant propagation experts in the country, W. J. Gowans, foreman of the conservatory at Eastlake park, is to have his salary raised from $100 to $110 a month.

BUCYRUS, O.—Fire destroyed a good sized barn on the property of George Fuchs on South Spring street October 15 and damaged the F. J. Norton greenhouse to a considerable extent, causing a loss of between $900 and $1,000.

New Crop Dagger and Fancy Ferns
$1.00 per 1000.
FOR EVERY OCCASION.

HARDY CUT DAGGER and **FANCY FERNS**, per 1000..1.00
Discount on large orders.
BRILLIANT BRONZE and **GREEN GALAX**, per 1000.. 1.00
10,000 lots $7.50.
BOUQUET GREEN, per hundred yards..... 7.00
LAUREL FESTOONING, good and full, 5c to 6c per yard
LAUREL WREATHS, per dozen..... 3.00
BRANCH LAUREL, per bunch.....$ .50
BOXWOOD, per pound..... .20
LEUCOTHOE SPRAYS, per hundred..... 1.00
GREEN and **SPHAGNUM MOSS**, per barrel 1.00
LYRATA, which makes a fine substitute for decorations for June.

Also headquarters for all Florists' Supplies, such as **Milkweeds, Wire Designs, Cut Wire,** all kinds of **Letters, Immortelles, Cycas Leaves,** sheaves of **Wheat, Ribbons, Corrugated Boxes** of all kinds, etc.

HENRY M. ROBINSON & CO., L. D. Phone 7618 Main. 8 to 11 Province St., Boston, Mass.

Extra Fine New Crop **FANCY FERNS** $1.00 per 1000
Discount on large orders.
GALAX.....per 1000, $1.25

Send for our weekly price list on Cut Flowers. Let us have your standing order for Ferns; will make price right all through the season.

MICHIGAN CUT FLOWER EXCHANGE
WM. DILGER, Mgr. 38 and 40 Broadway formerly Miami Ave., DETROIT, MICH

RICE BROTHERS
WHOLESALE 113 N. 6th St.,
SHIPPERS of home grown Cut Flowers, comprising the newest varieties of blooms. Full line of supplies and decorative greens. Trial order solicited. Weekly price list issued.
MINNEAPOLIS, MINN.
Please mention the American Florist when writing.

H. WOODS, 127 S. Water St. **CHICAGO.**
We wish to buy in car lots Holly, Mistletoe, Southern Smilax, Needle Pine, Magnolia, Sago and other Palm Leaves,
Write us for prices on all lines of Holiday Greens, Holly and other wreaths, Evergreen Wreathing, etc.

SOUTHERN WILD
SMILAX.
Caldwell The Woodsman Co.
EVERGREEN, ALABAMA.

Circulation in Buyers' Brains
IS the kind enjoyed by the American Florist. Its actual paid circulation we believe, is the largest in its class. The contents are of real present value and are preserved for future reference. Advertisers who realize this establish permanent business with the best trade in the United States and Canada.

500,000 VERBENAS
60 Finest Named Varieties.
Rooted Cuttings, 75c pea 100; $6.00 per 1000
Plants, $2.50 per 100; $20.00 per 1000.
Our list is the choice from millions of seedlings. Order early.
J. L. DILLON, Bloomsburg, Pa.

ASPARAGUS
PLUMOSUS NANUS, 2-inch pots, $3.00 per 100; $25.00 per 1000, transplanted from the bench, $2 50 per 100; $20.00 per 1000.
SPRENGERI, 2-inch, $3.00 per 100; $25.00 per 1000, from bench, $2.50 per 100; $20.00 per 1000.
WM. CLARK, Colorado Springs, Col.

WE ARE BOOKING ORDERS FOR
Nephrolepis Amerpohlii
The Sensational New Fern.
Awarded Highest Certificate of Merit at the S. A. F. Convention, 1906.
JANESVILLE FLORAL CO, Janesville, Wis.

Asparagus Crawshawi
A Beautiful Asparagus, superior to all others in many respects.
Seedlings, $3.00 per 100; $25 00 per 1000 Transplanted seedlings, $5.00 per 100; $40:00 per 1000 Sample, 10c.
JAMES CRAWSHAW, 403 Plainfield St., PROVIDENCE, R. I.

FERNS, IN FINE SHAPE
PIERSONI....6-in., 35c; 5-in. 25c; 4-in., 15c.
BOSTON.....5-in., 25c; 4-in., 15c.
SCOTTII.....5-in., 30c; 4-in., 20c.
ANNA FOSTER.....2½-in., 4c
All No. 1 stock. CASH PLEASE.
BENJ. CONNELL, Florist, West Grove, Pa

Special Values in Dreer Palms

The varieties and sizes here offered are all of excellent value and in prime condition for retailing or for decorative work. For a more complete list see our current Wholesale List.

ARECA LUTESCENS

4-in. pots, 3 plants in a pot, 15-in. high.....$3.50 per dozen; $25.00 per 100
6-in. " 3 " " " 24 to 25-in. high.....$1.00 each

COCOS WEDDELLIANA

The best, thriftiest plants of this we have ever offered.
2¼-in. pots, 5 to 6 in. high.....per doz., $1.50; per 100, $10 00; per 1000, $90.00
3-in. " 8 to 10-in. " .....per doz., 2.00; per 100, 15.00; per 1000, 140.00

KENTIA FORSTERIANA

6-in. pots, 6 leaves, 24 to 28 in. high.....$1.00 each
6-in. " 6 " 28 to 30 in. " ..... 1.25 "
6-in. " 6 " 30 to 32 in. " ..... 1.50 "
7-in. " 6 " 34 to 36 in. " ..... 2.00 "
7-in. " 6 " 36 to 40 in. " ..... 2.50 "
9-in. " 6 " 46 to 48 in. " ..... 3.50 "
7-in. tubs, 6 " 48 in. " ..... 4.00 "
12-in. " 6 to 7 leaves, 8 to 10 ft. high.....15.00 "

KENTIA FORSTERIANA—MADE UP PLANTS

9-in. pots, 4 plants in a pot, 3½ ft. high.....$4.00 each
9-in. tubs, 4 " " " tub, 4 ft. high..... 5.00 "
12-in. " 4 " " " 6½ to 7 ft. high.....15.00 "
13-in. " 4 to 6 plants in a tub, 5½ to 6 ft. high, very bushy.....15.00 "

KENTIA BELMOREANA

6-in. pots, 6 leaves, 20 to 24 in. high.....$1.00 each
6-in. " 6 " 24 to 26 in. " ..... 1.25 "
6-in. " 6 to 7 leaves, 26 to 28 in. high..... 1.50 "
7-in. " 6 to 7 " 34 to 36 in. " ..... 2.50 "
9-in. tubs, 6 to 7 " 48 in. high, heavy..... 7.50 "

LATANIA BORBONICA

6-in. pots, 6 to 8 leaves, heavy plants.....$10.00 per dozen; $75.00 per 100

LIVISTONA ROTUNDIFOLIA

4-in. pots.....$4.00 per dozen; $30.00 per 100

PHOENIX CANARIENSIS

The following are all growing in light wooden tubs and are plants of good value:
2½ ft. high.....$2.00 each
3½ ft. " ..... 3.50 "
4 to 4½ ft. high..... 5.00 "
4½ to 5 ft. " ..... 6.00 "

PHOENIX ROEBELENII

Nicely characterized plants of this beautiful rare palm, which undoubtedly is destined to be one of the most popular palms of the future. 4-in pots, 10 in. high, $1.00 each; 5-in. pots, 12 in. high, $1.25 each; 8-in. pots, 18-in. high, $3.50 each.

For a complete list of seasonable decorative and other stock see our current wholesale list.

HENRY A. DREER, 714 Chestnut Street, PHILADELPHIA.

Please mention the American Florist when writing.

ROSES. BEST QUALITY

Beauty, Chatenay, Richmond, Liberty, Bridesmaid, Bride, Perle, Sunrise, Uncle John, Golden Gate, Marshall Field, and every other standard variety.

WE HAVE THE STOCK YOU NEED

STANDARD CARNATIONS in large supply. Get the freshest stock at the lowest prices and the assurance of such supplies as can only come from 1,200,000 feet of modern glass.

Current Price List will be found in the American Florist each week hereafter during the season.

PETER REINBERG, 51 Wabash Ave., CHICAGO

TRADE DIRECTORY OF 1906.

FLORISTS, SEEDSMEN and NURSERYMEN

—OF THE—

United States and Canada.

—ARRANGED BY—

States, Postoffices and Alphabetically.

American Florist Company,
324 Dearborn Street, CHICAGO.

PRICE $2 00, POSTPAID.

CHRYSANTHEMUMS--Best on the Market.

In any quantity and all colors. Also choicest line of **ROSES, CARNATIONS, VALLEY, FERNS, Etc.**

"THE OLD RELIABLE" **E. H. HUNT,** WHOLESALE FLORIST, **76 Wabash Ave., Chicago**

E. C. AMLING

THE LARGEST, BEST EQUIPPED, MOST CENTRALLY LOCATED WHOLESALE CUT FLOWER HOUSE IN CHICAGO.

32, 34, 36 RANDOLPH ST., CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Please mention the American Florist when writing

WEILAND & RISCH

Wholesale Growers and Shippers of

CUT FLOWERS

59 Wabash Ave., CHICAGO

'Phone Central 879

Write for our wholesale price list.

WHOLESALE FLORISTS

Please mention the American Florist when writing.

Jensen & Dekema

CARNATION SPECIALISTS

674 W. Foster Ave., CHICAGO.

Please mention the American Florist when writing

SINNER BROS.

WHOLESALE CUT FLOWERS

60 Wabash Ave., Chicago.

Careful attention to all

SHIPPING ORDERS.

Please mention the American Florist when writing.

Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO.

Telephone, Central 3284.

Please mention the American Florist when writing.

---

20 YEARS' EXPERIENCE

has placed us in a position where "we know flowers," and that's "half the battle" for the buyer.

'MUMS, ROSES, CARNATIONS, VIOLETS, GREENS, ETC.

Daily shipments from **40 to 60 growers** enable us to supply all seasonable stock at lowest market rates. We also have an "up-to-date" line of **Florists' Supplies.** A trial order solicited. Headquarters for **Wild Smilax.** Catalogue free.

E. F. WINTERSON CO., 45-47-49 Wabash Ave., **Chicago.**

Wholesale Flower Markets

CHICAGO, Oct. 24.

Roses, Beauty, 30 to 36-in. stems		4 00
" " 20 to 24 "	2 50@	3 00
" " 15 to 18 "	1 50@	2 00
" " 12	75@	1 00
" Liberty, Chatenay	3 00@	6 00
" Bride, Bridesmaid	3 00@	6 00
" Golden Gate	3 00@	6 00
" Killarney, Richmond	4 00@10	00
Carnations	1 25@	2 00
" fancy	2 50@	3 00
Lily of the valley	2 00@	4 00
Cattleyas.....per doz. $6 00@$7 50		
Harrisii lilies. per doz. 2 00@ 2 50		
Asparagus plumosus, per string, 35 to 50c.		
" per bu. 35c@$1 00		
" Sprengeri	2 00@	4 00
Galax leaves.....per 1000, $1 25		15
Adiantum	75@	1 00
Fancy ferns.....per 1000, $1 50		
Smilax.....per string, 10c@12½c		
Chrysanthemums. per doz., $1 00@$3 00		
Violets	50@	1 25
Violets, single	6c@	75
Pansies		1 50

Poehlmann Bros. Co.

Wholesale Growers of

and Dealers in **Cut Flowers.**

All telegraph and telephone orders given prompt attention.

Greenhouses: MORTON GROVE, ILL.

35-37 Randolph St., CHICAGO.

Be your own Commission Man

THE

FLOWER GROWERS' MARKET

furnishes the facilities.

See PERCY JONES, Mgr.

60 Wabash Ave., CHICAGO.

Vaughan & Sperry,

Wholesale Florists,

58 and 60 Wabash Ave., CHICAGO.

WRITE FOR SPECIAL PRICES.

Please mention the American Florist when writing.

PETER REINBERG

Grower and Wholesaler of **Cut Flowers.**

1,200,000 feet of glass.

Headquarters for American Beauty.

51 Wabash Ave., CHICAGO.

Always mention the American Florist when you order stock.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty.....

WHOLESALE GROWER of **CUT FLOWERS**

KENNICOTT BROS. COMPANY

40-42-44 Randolph St., CHICAGO.

Our reputation has always been that we fill orders when others fail. All stock in season at Lowest Market Rates.

THE BENTHEY-COATSWORTH CO.

35 RANDOLPH ST. **WHOLESALE FLORISTS** CHICAGO.

Chicago.

MARKET QUIET.

Business last week was quite brisk, but after a fairly busy Monday the market became quiet. The opening of the winter season in society circles, earlier than usual this year, and the October weddings, gave some zest to local trade. Still the main reliance was on the shipping orders. Roses, especially American Beauty, have been numerous, with a fair demand. Bride, Bridesmaid and Killarney were also seen in sufficient quantities. Carnations are somewhat numerous this week, although prices are still holding up well. There are chrysanthemums of all colors everywhere, and what will become of all of them if the supply keeps up may prove something of a problem. The demand, however, is active. Violets which had been scarce suddenly became almost a glut on Saturday and this condition was but little relieved early this present week. Some very fine Cattleya labiata is seen on the market. Still orchids and lilies are all too scarce. Lily of the valley is coming in more freely, but it is also a rarer article than many wholesalers like to see it. Stock of all sorts is in excellent condition, although carnations will improve with the season and roses will, after an interval, have a better length of stem.

NOTES.

There has been a large advance sale of tickets to the first annual reception of the wholesale florists's employes, to be held Hallowe'en. In fact the financial success of the affair is already assured. There will be flower souvenirs for the ladies and a "rattling" good time for all.

Fritz Bahr was showing some blooms of his fine new white seedling carnation in the wholesale houses October 23. It is a seedling of Prosperity with large blooms of high grade. The J. D. Thompson Carnation Co. is growing it.

A. Malchow, for four years with the Geo. Wittbold Co., has leased the greenhouses formerly conducted by the late Frank J. Neiglick at 2102 N. Clark street. He is about to build a store front for retail trade.

M. V. Garnsey reports an excellent demand for the Japana flower vase and expects to place a new sectional design of greatly increased utility the latter part of this month.

Leopold Koropp, George J. Meier, and Albert E. Wilson have incorporated as florists with capital of $20,000, and were licensed by the secretary of state October 13.

Chas. W. McKellar has just received a fine lot of Cattleya labiata. He is also exhibiting with pardonable pride some blooms of Dendrobium formosum.

The flower show posters and postal cards are out. The latter may be had of E. F. Winterson, 49 Wabash avenue, price $1.50 per 100, $7 per 500, $10 per 1000.

The revised premium list of the Horticultural Society has now been mailed to all applicants. The prizes are very liberal and should bring out a fine display.

John Burton, Philadelphia, Pa., Prof. Cowell, Buffalo, N. Y., and John T. Temple, Davenport, Ia., will officiate as judges at the flower show.

McKellar's Choice Orchids

I HAVE THE ONLY Stock of fine Orchids in Chicago.

"ORCHIDS"

My SPECIALTY

Cattleyas in any quantity, also White and Spray Orchids, Fancy Valley, Mignonette, Adiantum, Smilax, Asparagus Strings and Bunches and all Seasonable Stock.

—o—

HEADQUARTERS FOR

Roses, Carnations of all kinds, American Beauty, Harrisii, Fancy Ferns, Galax Leaves, Wild Smilax, and Florists' Supplies of all kinds.

GIVE ME A TRIAL.

—o—

Send for Complete Price List and Catalogue.

Chas. W. McKellar,

51 Wabash Ave.,

CHICAGO.

"THE BUSIEST HOUSE IN CHIGAGO."

WE ARE RECEIVING A FIRST-CLASS LINE OF

Chrysanthemums, Roses, Carnations, Violets, Valley,

and all seasonable flowers. Largest dealers in

WILD SMILAX AND FANCY FERNS.

J. B. DEAMUD, Pres.
W. P. KYLE, Vice-Pres.
ALEX. NEWETT, Mgr.

J. B. DEAMUD CO.,
51 and 53 Wabash Ave., CHICAGO.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO,

Wholesale Dealers and Growers of Cut Flowers

GREENHOUSES: HINSDALE, ILL.

WIETOR BROS.,

Wholesale Growers of Cut Flowers

All telegraph and telephone orders given prompt attention.

51 Wabash Ave., CHICAGO.

The Geo. Wittbold Co.

1657-1659 Buckingham Place, CHICAGO.

The only retail florist in Chicago who grows his own cut flowers.

FUNERAL WORK ORDERS, OUR SPECIALTY.

Weiland & Risch are showing some very fine Killarney roses. Bride is a good second with this firm.

Peter Reinberg is showing some American Beauty roses of exceptionally fine color.

J. B. Deamud made a short trip to his Michigan fern establishment last week.

The Benthey-Coatsworth Co. is receiving some excellent Killarney.

"Fraternal greetings."—Fritz Bahr.

Visitors: John A. Evans, Richmond, Ind.; Henry Ostertag, St. Louis, Mo.; C. J. Jones and Julius Baer, both of Cincinnati, O.; Miss Ida L. Chittenden, Lansing, Mich.; Wm. La Hayn, Chesterton, Ind.

BEAUTIES. **BEST IN THE CITY.**
$15.00, $20.00 and $25.00 per 100.

Orchids, Gardenias and other Novelties, Autumn Foliage Ribbons, the hit of the season. Write for samples. **Assorted Evergreens** for window boxes.

S. S. PENNOCK-MEEHAN CO., 1610-1618 LUDLOW ST., **Philadelphia, Pa.**

Philadelphia.

TRADE MORE ACTIVE.

There is quite a change for the better in the volume of business, although chrysanthemums are coming in lively, there being quantities of Polly Rose, Glory of the Pacific, Monrovia, Willowbrook and other sorts, the market seems to take them all without detriment to the sale of roses and carnations. Weddings and debutante teas are using quantities of the best flowers. Orchids are in good demand and a choice assortment is generally to be found in stock with the principal commission houses. American Beauty roses are rapidly getting into winter form, some very choice flowers being seen. Four dollars per dozen is top figure, though some offered at $3 look almost as good. Killarney is still growing in favor and will push Bridesmaid for first place in its class. Kaiserin roses are so plentiful that they take the place of white carnations, which are scarce, in fact all colors are hard to get and buyers have to be on the spot when boxes are opened to make sure. Three dollars is the price for anything worth while and $4 is the price for the best white and Enchantress. Chrysanthemums are now quite a factor. Mme. C. Touset, Halliday and Marie Liger are the latest fancies and the best have brought $5 per dozen. Polly Rose, Glory of the Pacific and other medium kinds sell for $10 to $16 per 100. The pot plants are late and it will be next week before any good ones are seen. Double violets are getting better, some fairly good ones being seen, all local stock; $1 the price. Commission houses all report good demand from out of town customers and all are satisfied that this will eclipse all former seasons in the amount of trade.

NOTES.

W. J. Baker, whose shipping business is rapidly increasing, is much interested in a telegraphic code especially adapted to the needs of the commission business. He thinks that one could be devised that would be a great help to the trade and that if the national society would work out such a system it would be generally adopted and become a great money saver to all concerned.

Arthur H. Lauser of Wayne, Pa., is one of the progressive kind. Not having enough ground at his present location he has purchased a 54-acre farm at Valley Forge adjoining the historic park, where he intends to go into the growing of fancy nursery stock. He will also remove the present greenhouses to the new location as soon as practical.

The quality of shipment of American Beauty roses from the Burton establishment at Wyndmoor to the Leo Niessen Co. last Monday afternoon was extra fine, the stock certainly graded high. They certainly know how at Wyndmoor.

The S. S. Pennock-Meehan Co. is handling quantities of orchids. Two hundred cattleyas in small lots in one day shows how the demand is growing.

Wm. McKissick is receiving something choice in chrysanthemums. Carnations are also seen in quantity here, although so scarce generally.

K.

Boston.

TRADE GRADUALLY IMPROVING.

With an even swing the trend of which is toward a successful and profitable season, the general business conditions are gradually improving. Market conditions, the opposite of last week, now confront the trade and the consequences are that there is a considerably over-supplied market. With the continued good weather the change was merely a question of time and as usual struck the market suddenly. Stock that last week was easily salable at maximum prices dropped about half, and even then a surplus was visible. This surplus was composed chiefly of chrysanthemums, roses and carnations, with a minor proportion of other flowers. American Beauty is quite plentiful especially the medium grades which give superior satisfaction over the ordinary extremely large stemmed roses. So far this season Richmond is preferable to Liberty, but with the latter up in its regular good standard, the inclination would point strongly in their favor. The carnation market is still far from what it should be. There is an abundance of inferior stock of numerous varieties but first-class carnations have yet to appear. Fair Maid still maintains its position as the premier carnation for summer and fall.

NOTES.

At the greenhouses of Sydney Hoffman at Mt. Auburn, a beautiful display of cyclamen plants in flower may be seen. Special attention has been bestowed on these plants with signal success, as all agree who have seen them. The stock is composed of many varieties in pots of varied size and sell quickly.

Extensive alterations are being pushed as rapidly as possible at 15 Province street to make room for Henry M. Robinson who expects to take possession this week. Refrigerating facilities are being erected and when completed the entire establishment will be admirably adapted for the business.

Barnard McGinty, the popular salesman of the Music Hall market, is the proud possessor of twin babies, born October 16. Barney has been overwhelmed with congratulations and the cigar industry has received a tremendous boom as a consequence.

Among the attractive novelties now displayed are noticed a strain of white dahlias which are inside grown by W. C. Ward, of Milton. They are as fine as ever seen here and rather unusual for the seanson.

T. J. Butterworth, Framingham, has begun early on his crop of lily of the valley which he is at present sending to market. This year it is a grade better than usual and the quantity is increased.

John Strieford, Weymouth, ranks with the premier chrysanthemum growers of the season. His latest crop includes the excellent varieties of Kate Broomhead and Columbia.

Harry Kelly, for a number of years with J. Newman & Sons, has embarked in business of his own accord, establishing himself in Barristers' hall, Pemberton square.

B.

Louisville.

BUSINESS VERY GOOD.

Business the past week, with the exception of one or two days, continued very good, and the supply of stock was satisfactory with the exception of carnations, which were bringing good prices, and were hard to get even at that. The quality was unusually good. Roses are very good in quality finding a satisfactory demand, and the supply is up to expectations, with the exception of American Beauty. Chrysanthemums are with us in great quantities, and are filling a long felt want. The quality and supply are very good, with the exception of pink, which are a little scarce. The demand has opened very satisfactorily. Lily of the valley is in great demand, with the supply short, and the quality excellent. Violets are being received in small quantities of fair quality, and find a ready demand. Lilies are in fair supply, and find a good demand, with the quality excellent. Green goods are in good supply and are finding a ready demand.

The regular monthly meeting of the Kentucky Society of Florists will be held at Fred L. Schulz's wholesale house, 310 Sixth street, November 6.

F. L. S.

BERWICK, PA.—D. W. Davis is going ahead. Three new houses this year and a rose house promised for next. Vegetables as well as a 5,000 batch of carnations help to occupy this grower's attention.

Beauties

THE BEST AND THE LARGEST STOCK IN PHILADELPHIA.

THE LEO NIESSEN CO.

WHOLESALE FLORIST.

Open From 7 A. M. to 8 P. M.

1217 Arch St., PHILADELPHIA, PA.

Chrysanthemums

ANY GRADE. ANY VARIETY. ANY QUANTITY.

PITTSBURG FLORISTS' EXCHANGE, Pittsburg, Pa.

NOW READY

to fill orders for **American Beauties, Lily of the Valley, Carnations** and all varieties of **Tea Roses** in lots of one hundred to one thousand at short notice. Get our prices before ordering elsewhere.

WELCH BROTHERS, 226 Devonshire St., BOSTON, MASS.

ASPARAGUS PLUMOSUS NANUS.

Cut Strings, 50 cents each.

W. H. ELLIOTT, Brighton, Mass.

THE

J. M. McCullough's Sons Co.

Wholesale Commission Florists.

CONSIGNMENTS SOLICITED.

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES, SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

Please mention the American Florist when writing.

Wholesale Flower Markets

PHILADELPHIA, Oct. 24.

Roses, Tea	3 00@ 4 00
" " extra	6 00@ 8 00
" Liberty	4 00@15 00
" Queen of Edgely, extra	16 00@35 00
" " " first	12 00@15 00
" Beauty, extra	16 00@35 00
" " firsts	12 00@15 00
Carnations	2 00@ 4 00
Lily of the valley	2 00@ 4 00
Asparagus, bunch	25 00@50 00
Smilax	15 00@20 00
Adiantum	1 00@ 1 50
Cattleyas	50@ 60
Gardenias	40 00@50 00
Lilium Harrisii	12 50@15 00
Violets, single	50@ 75
" double	75@ 1 00

BOSTON, Oct. 24.

Roses, Beauty, best	25 00@35 00
" " medium	12 00@20 00
" " culls	2 00@ 8 00
" Bride, Bridesmaid	2 00@ 4 00
" Extra	6 00@ 8 00
" Liberty	6 00@25 00
Carnations	1 00@ 2 00
" Fancy	2 00@ 3 00
Lily of the valley	2 00@ 4 00
Smilax	8 00@12 00
Adiantum	1 00@ 1 50
Asparagus	35 00@50 00
Sweet peas	25@ 75
Violets	50@ 75
Asters	75@ 1 00
Gladioli	2 00@ 4 00

BUFFALO, Oct. 24.

Roses, Beauty	5 00@25 00
" Bride, Bridesmaid, Meteor	3 00@ 8 00
Carnations	1 50@ 3 00
Lily of the valley	3 00@ 4 00
Asparagus, strings	40 00@50 00
Smilax	12 00@15 00
Adiantum	75@ 1 50
Lilies	5 00@15 00
Chrysanthemums	6 00@25 00
Violets	60@ 75

THE ART OF Floral..... Arrangement.

The first special newspaper in the world for floral arrangement.

250 ILLUSTRATIONS ANNUALLY.

Specimen number free.
Subscription, $2.40 yearly.

BINDEKUNST-VERLAG,
J. Olbertz, ERFURT, GERMANY.

Please mention the American Florist when writing.

J. B. MURDOCH & CO.

WHOLESALE FLORISTS,

FLORISTS' SUPPLIES.

545 Liberty Ave., PITTSBURG, PA.

IT IS NOT...

what you pay for the advertisement but what the advertisement pays you. It pays to advertise in the **American Florist.**

C. A. KUEHN,

Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

Please mention the American Florist when writing.

ROSES AND CARNATIONS

Pittsburg's Largest and Oldest Wholesalers.

PITTSBURG CUT FLOWER CO., Ltd.

504 Liberty Ave., PITTSBURG, PA.

Please mention the American Florist when writing.

Holton & Hunkel Co.

Wholesale Florists

Milwaukee, Wis.

Please mention the American Florist when writing.

H. G. BERNING,

Wholesale Florist

1402 Pine St., ST. LOUIS, MO.

Please mention the American Florist when writing.

Field-grown Carnation Plants. GOOD CLEAN STOCK. WRITE FOR PRICES.

ABSOLUTELY THE BEST POSSIBLE SERVICE.

W. E. McKissick

WHOLESALE FLORIST.

Business Hours 7 a.m. to 6 p.m.

1221 Filbert Street, PHILADELPHIA, PA.

Please mention the American Florist when writing

Nephrolepis Whitmani

2¼-inch, $25.00 100,

Boston Ferns 2¼-in. $3.00 per 100.

Henry H. Barrows & Sons, WHITMAN MASS.

Please mention the American Florist when writing.

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

Please mention the American Florist when writing.

New York.

MARKET OVER SUPPLIED.

Nearly six days of dull and stormy weather have had a deleterious effect upon the wholesale flower market and in retail circles business has been anything but what it should be for the time of year. A steady influx of chrysanthemums in all grades naturally affects the ordinary business in staple lines, but with the weather dominating the quality of regular products the handicap is increased to the point of severity. Roses suffer most, arrivals being in over supply and poor in quality. Mildew is very apparent in the bulk of arrivals, and stock must be good indeed to bring maximum quotations. The glut, prophesied to occur after the middle of October, very nearly materialized last Saturday seeing roses clean out at sacrifice figures. Best American Beauty is not quite so plentiful, but prices are not advanced on that account. Bride and Bridesmaid roses move slowly except in the better grades, the former doing the best owing to the supply being much shorter. Carnations, which have done pretty well for quite a long time, are now dragging and values trend downward. Arrivals of chrysanthemums are quite heavy, and some of the medium rare varieties are making an appearance. Prices have run down since last week and maximum figures cover only the best of stock. Sunshine, a favorite yellow variety in this section, is coming in, but does not seem to bring more than $1.50 per dozen blooms. Early varieties still form the bulk of shipments, and quality as a rule is excellent. Lily of the valley continues scarce, although it appears to satisfy the demand as a necessity. Violets are increasing in supply, and the quality of the up-river arrivals shows a marked improvement. Prices, too, are a trifle better.

NOTES.

The competition among retail florists in this city for hotel patronage is exceedingly keen this season, and some of the bids made by florists of standing are hardly in accord with the dignity of the craft. A leading house of many years standing recently made proposals to the managers of certain of the bon ton hotels to look after their tables on a ridiculously low contract basis. It was suggested that ferns were more suitable than flowers for table decorations inasmuch as they do not obstruct the view of diners across the table; and in this connection the offer was made to supply jardinieres, ornamental cachepots and pedestals, and to fill them with ferns and keep them replenished at the rate of 2½ cents per table per day where other plants were supplied on contract, and 3 cents where no other contract existed. Such business as this tends to demoralize the trade.

Myer, the Fifty-eighth street and Madison avenue florist, furnished several large floral pieces for the funeral of Isaac Blumenthal, president of the United Dressed Beef Co. Among them were a standing wreath seven feet high of Uncle John roses for J. Ogden Armour of Chicago; a wreath of Richmond roses with a cluster of lily of the valley for Arthur Swift of Chicago; a standing wreath of Bride roses and cattleyas with cattleya streamers for the president of the New York Produce Exchange; a cluster of cycas leaves with cattleyas and lily of the valley, the latter running out to the end of the leaves, and an immense bunch of American Beauty roses for Isaac Seligman; and a large wreath of galax with cluster of American Beauty roses for Nelson Morris of Chicago.

A very prominent florist's store on a fashionable part of Fifth avenue last week displayed a large bowl of fine Killarney roses, a show card attached bearing the legend "Roses, $1 per dozen." This is something of an innovation for Fifth avenue.

The New York Cut Flower Exchange has recently installed a large notice board at the entrance to its quarters on which the rules of the floor are emblazoned in gilt letters large enough for the most short sighted to read.

Siebrecht & Son are sending in quantities of cattleyas from their New Rochelle establishment. The quality is very high, and some large shipments are being made to out of town florists.

John Young is handling large quantities of chrysanthemums, and some extra fine stock is to be seen in his store early in the day. Besides cut flowers he shows some good potted plants.

A. M. Henshaw the Twenty-eighth street wholesaler is receiving daily shipments of tuberoses. They are of course inside grown and whiter than outside stock.

Julius Roehrs, of Rutherford, N. J., is all smiles these days, and why should he not be? It is not everyone who can rise to the dignity of "grandpa."

Peter Wagner, of Flatbush, has just finished the rebuilding of one of his 10 houses, and the whole of the houses are mainly stocked with Scottii and Boston ferns.

Geo. Cotsonas & Co. now have the whole of their store to themselves, and it is none too big for their rapidly growing business.

Charles Weber, of Lynbrook, is sending in some especially fine Monrovia chrysanthemums to Alex J. Guttman.

The extension of Charles Thorley's Broadway store is about completed, and his quarters are now quite commodious.

Philip F. Kessler is receiving some of the medium late chrysanthemums, mostly Sunshine, the popular yellow.

Providence, R. I.

At the last monthly meeting of the Florists' Club there was not lacking enthusiasm and interest, for we had the pleasure of listening to Professors Wheeler and Steen of the Kingston college of agriculture. They touched upon the changing of greenhouse soils, the vast amount of labor which is involved in the hot summer weather, and the opinion was ventured that the various tests and experiments that are now in progress may yield a solution of this troublesome problem, and make it so that the greenhouse soils need not be changed but once in two or three years, chiefly by the renewal of chemical constituents at small expense. It is seldom that the club members have showered such a volley of questions at our lecturers as on this occasion, showing the deep interest in the subject.

Various insect pests were discussed, mostly the San Jose scale and the most up-to-date methods of spraying. Another subject was house fumigation by hydrocyanic-acid gas. It was stated that the method has a considerable element of danger to the novice, but is very thorough and in greenhouse work steadily growing in favor.

The meeting was reluctantly adjourned at a late hour, and the members were then invited to a pie and coffee supper at a nearby cafe where the discussion was reopened and continued until midnight. The next meeting will be held at 84 Westminster street, November 19, and a banner attendance is expected to hear an open discussion on chrysanthemums.

M.

Newport, R. I.

Chrysanthemums have made their appearance and are selling fairly well. The dahlias are still blooming, and seem to affect the sale of greenhouse flowers. Outside of funeral work there is not much going on.

Gibson Bros. decorated the house and temporary tents at the McLeod-Chase wedding with palms, hydrangeas, vines, etc. The bride's shower bouquet was of lily of the valley and the bridesmaids' bouquets were of pink carnations. The breakfast table was decorated with white chrysanthemums.

L.

VICTORY GUTTMAN & WEBER,
43 West 28th Street,
NEW YORK.

STRONG, FIELD-GROWN PLANTS NOW READY.

1st size. $15.00 per 100. 2nd size, $12.00 per 100. 3rd size, $10.00 per 100.

DISCOUNT FOR CASH WITH ORDER.

HORACE E. FROMENT, Wholesale, Commission,
Successor to William Chormley.
Orchids, Roses, Carnations, Valley, Lilies, Etc.
57 West 28th Street, NEW YORK CITY.
Telephones 2200 and 2201 Madison Square.

WE WILL CUT **20,000 Cattleya Labiata**
FLOWERS, ALSO PLANTS IN BLOOM,
ALL AT THE LOWEST MARKET PRICES.
SIEBRECHT & SON, ...ROSEHILL NURSERIES...
NEW ROCHELLE, N. Y.

Choice Carnations. Selected Roses.
Traendly & Schenck
NEW YORK CITY,
44 W. 28th Street, Cut Flower Exchange.
New Telephone No. 798 & 799 Madison Sq.
Please mention the American Florist when writing

CARNATIONS
MY SPECIALTY
Consignments Solicited. Prompt Payments
Established 1891.
Alfred H. Langjahr, 55 W. 28th St., NEW YORK.
Telephone 3924 Madison Square.
Please mention the American Florist when writing.

Original Pioneer House—Established 1871.
JAMES HART
103 W. 28th St., NEW YORK.
Wholesale and Commission
Consignments solicited. Shipping orders promptly attended to. 'Phone 626 Madison.
Please mention the American Florist when writing.

FORD BROS.
Receivers and Shippers of
Fresh Flowers
48 West 28th St. NEW YORK.
Telephone 3870-3871 Madison Sq.
Please mention the American Florist when writing

N. Y. Cut Flower Exchange
Coogan Bldg., 6th Ave. & W. 26th St., New York.
Open for Cut Flower Sales at 6 o'clock Every Morning.
Desirable Wall Space to Rent for Advertising.
V. S. DORVAL, JR., Secretary.

The Best Way to Collect an Account
is to place it with the
NATIONAL FLORISTS' BOARD OF TRADE,
56 Pine St., New York.
Why? Because many debtors will pay the Board, fearing otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.

ORCHIDS
Largest Importers, Exporters, Growers and Hybridists in the World.
SANDER, St. Albans, England.
NEW YORK OFFICE: Room 1, 235 Broadway. T. MELLSTROM Agent

Charles H. Totty
WHOLESALE FLORIST
Chrysanthemum Novelties A Specialty. MADISON, N. J.

Wholesale Flower Markets

NEW YORK, Oct. 24.

Roses, Beauty, best	10 00@20 00
" " medium	6 00@10 00
" " culls	1 00@ 4 00
" Liberty, best	3 00@ 7 00
" " culls	1 00@ 2 00
" Bride, Bridesmaid, G.Gate	50@ 5 00
" Kaiserin, Carnot	1 00@ 6 00
Carnations	1 00@ 1 50
" fancy and novelties	2 00@ 3 00
Lily of the valley	1 00@ 4 00
Lilies	6 00@15 00
Violets	25@ 60
Smilax	6 00@ 8 00
Adiantum	50@ 1 00
Asparagus	20 00@50 00
Chrysanthemums, doz., .50@$2.50	

Thomas Young
WHOLESALE FLORIST.
43 West 28th St., NEW YORK.

Alex. J. Guttman
The Wholesale Florist of
NEW YORK.
Phone 1664-1665 Mad. Sq. 43 W. 28th Street.

Moore, Hentz & Nash,
Wholesale Commission Florists,
55 and 57 West 26th Street,
Telephone No. 756 Madison Square. New York.

N. Lecakes & Co.
53 W. 28th St., NEW YORK.
Tel. No. 1214 Madison Square
Stands at Cut Flower Exchange, Coogan Bldg., W. 26th Street & 34th Street Cut Flower Market. SPECIALTIES: Galax Leaves, Ferns and Leucothoe Sprays, Holly, Princess Pine and all kinds of Evergreens.
Green and Bronze Galax Leaves, $1.00 per 1000.

A. J. FELLOURIS,
J. J. Fellouris, Manager.
Wholesale and Retail Dealer in all kines of
EVERGREENS,
Fancy and Dagger Ferns. Bronze and Green Galax.
Telephone, 2675 Madison Square.
52 West 28th Street, NEW YORK.

George Cotsonas & Co.
Wholesale and Retail Dealers in all kinds of
Evergreens.
Fancy and Dagger Ferns, Bronze and Green Galax.
Phone 1203 Mad. Sq.
Main Store, 50 W. 28th St., NEW YORK.

—FLOWERS SHIPPED BY—
JOHN I. RAYNOR
Are the best product of the best growers for the New York Market.
Adiantum Croweanum sold here exclusively.
49 W. 28th St., NEW YORK.
Tel. 1998 Madison Square.
Please mention the American Florist when writing

Walter F. Sheridan,
WHOLESALE FLORIST,
Telephones 3532 and 3533 Madison Square.
39 West 28th St., NEW YORK.
Please mention the American Florist when writing.

J. Seligman. Joseph J. Levy
John Seligman & Co.
WHOLESALE FLORISTS
56 West 26th Street. NEW YORK.
OPPOSITE N. Y. CUT FLOWER CO.
Everything in Cut Flowers. Consignments from growers solicited. Prompt returns. Best prices. Satisfaction guaranteed. Tel. 4878 Madison.
Please mention the American Florist when writing.

PHIL. F. KESSLER
Wholesale Commission Florist
Telephones { 2921 / 5243 } Madison Square.
55 WEST 26th STREET,
Consignments solicited. Prompt payments. New York.
Please mention the American Florist when writing.

A. M. HENSHAW
Wholesale Commission Florist.
Consignments of first-class stock solicited. Ou of town orders carefully and promptly filled.
Telephone 5583 Madison.
52 W. 28th St., NEW YORK

Receivers and Shippers of Cut Flowers, Consignments Solicited.
A. L. YOUNG & CO. Wholesale Florists . .
54 West 28th Street.
Telephone 3559 Madison Sq. NEW YORK.

THE KERVAN COMPANY,
20 West 27th St., NEW YORK.
Wholesale dealers in fresh cut Palmetto and Cycas Palm leaves, Galax, Leucothoe Ferns, Mosses and all Decorating Evergreens.

J. K. ALLEN.
Wholesale Commission Florist.
106 West 28th St., NEW YORK CITY.
Open every day at 6:00 A.M. Tel. 167 Madison Sq.

Orchids!
ARRIVED IN SUPERB CONDITION.
Cattleya Dowiana, C. gigas, C. Mossiæ, C. Percivaliana, C. Speciosissima, C. Eldorado, C. superba, C. labiata, C. Leopoldii, and many more. Write for prices.
Lager & Hurrell, SUMMIT, N. J.
Orchid Growers and Importers.

CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

William H. Donohoe, No. 2 West 29th St., (One Door Off 5th Ave.) NEW YORK.

PHONES: 3034 and 3035 MADISON SQUARE.

Write, wire or telephone your orders to the above. Personal attention assured.

The best is none too good. Prices always right. Send me your next order.

DETROIT.

JOHN BREITMEYER'S SONS

Cor. MIAMI and GRATIOT AVES.

DETROIT, MICH.

...Artistic Designs...

High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

MILWAUKEE.

C. C. Pollworth Co.

MILWAUKEE, WIS.

Will take proper care of your orders in WISCONSIN.

INDIANAPOLIS.

Bertermann Bros. Co.

FLORISTS

241 Massachusetts Ave.. INDIANAPOLIS, IND.

ST. LOUIS.

Fred. C. Weber,

FLORIST,

4320-4328 Olive St.; ST. LOUIS, MO.

Established 1873. Bell, Lindell 676.

DENVER.

The Park ...Floral Co.

J. A. VALENTINE, President. DENVER, COLO.

OMAHA.

HESS & SWOBODA,

Florists,

1416 Farnam Street, Phone 1501 and L. 1582. OMAHA, NEB

Please mention the American Florist when writing.

DENVER.

FLORAL DESIGNS AND FLOWERS.

Best Quality on Shortest Notice.

DANIELS & FISHER, DENVER, COLO.

Order by mail, telephone, telegraph or cable.

Cable address: "Daniels Denver."

LONDON PARIS BERLIN

A. Lange

Prompt Attention to STEAMSHIP ORDERS.

Main Address 40 East Madison Street, Heyworth Bldg. ...CHICAGO.

Agents in all Leading European Cities.

WASHINGTON, D. C.

GUDE BROS. CO. FLORISTS 1214 F ST. N.W. WASHINGTON, D.C.

Gude's.

CHICAGO.

P. J. HAUSWIRTH

Auditorium Annex, CHICAGO.

Mail, telegraph or telephone orders filled promptly in best style.

BUFFALO.

Palmer's

Buffalo, N. Y.

W. J. Palmer & Son, 304 Main St.

WASHINGTON.

GEO. H. COOKE,

FLORIST

Connecticut Avenue and L Street, WASHINGTON, D. C.

KANSAS CITY.

Samuel Murray

...FLORIST...

Coates House Conservatory

1017 Broadway, KANSAS CITY, MO.

Both 'Phones 2670 Main.

Write, Telephone or Telegraph. All orders given prompt attention.

KANSAS CITY.

GEO. M. KELLOGG,

906 Grand Avenue,

KANSAS CITY and PLEASANT HILL, MO.

Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

BROOKLYN, N. Y.

Robert G. Wilson

Fulton St. and Greene Ave. BROOKLYN

Greenhouses: Short Hills, N. J.

—Deliveries in—

Greater New York, Long Island and New Jersey.

Trade orders from all parts of the country filled for delivery at residence, steamer, hotel, or theater on wholesale basis. Satisfaction guaranteed. Wire or telephone.

ST. PAUL.

HOLM & OLSON,

ST. PAUL.

THE LEADING FLORISTS OF THE NORTHWEST

Orders will be well cared for anywhere in Minnesota and the Dakotas.

GALVESTON.

Mrs. M. A. Hansen,

—FLORIST—

Galveston, Texas.

Special attention given to Telegraph or Telephone Orders. 'Phone 1912.

JACKSONVILLE.

MILLS THE FLORIST,

36 W. Forsyth Street,

JACKSONVILLE, FLA.

WASHINGTON.

Mayberry & Hoover

Florists and Decorators

1339 Fourteenth St., Northwest

Telephone North 508. WASHINGTON, D. C.

New Orleans

CUT FLOWERS

For Tourists and General Trade.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, 838 CANAL ST.

COLUMBUS.

The Livingston Seed Co.

FLORISTS

Cover All Ohio Points. 114 North High St.

DO YOU WANT CUT FLOWERS

That you can sell to advantage? You want the **BEST STOCK**, and only the **BEST**, don't you? Then give us a trial. We have **every** facility for handling the choicest lines of seasonable stock—and we do.

FLORISTS' SUPPLIES

are specialties of ours. The most up-to-date and best of supplies can be obtained of us at lowest prices. Try us once and we will get your future orders.

A. L. RANDALL CO., 19-21 Randolph St., CHICAGO

The Cleveland Cut Flower Company,

WHOLESALE CUT FLOWERS, FLORISTS' SUPPLIES, WIRE DESIGNS.

215 Huron Road, CLEVELAND, OHIO.

Cut Flowers or Designs

Will be delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

ST. LOUIS.

Theodore Miller

FLORIST,

Long Distance Phone, Bell, Forest 56, Kinloch, Delmar 201. **4832 Delmar Boulevard, ST. LOUIS, MO.**

Please mention the American Florist when writing

DAYTON, O.

Matthews,

FflorisT,

16 W. 3rd St., DAYTON, O.

ALBANY, N. Y.

EYRES

Flowers or Design Work.

DELIVERED IN ALBANY AND VICINITY ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

LOUISVILLE.

JACOB SCHULZ, 644 Fourth Ave., LOUISVILLE, KY.

Cut Flowers of BEST QUALITY in season delivered promptly to any address.

Write, Telegraph or Telephone.
Cumberland and Home Phones 223 and 984.

ATLANTA.

ATLANTA FLORAL CO.

41 Peachtree Street, ATLANTA, GEORGIA.

ORCHIDS...

(28 HOUSES)

Established, semi-established imported seedlings. Stove and greenhouse plants.

Inspection invited. Correspondence solicited.

JULIUS ROEHRS CO., Rutherford, N. J.

GERANIUMS

ROOTED CUTTINGS.

Orders booked for delivery Dec. 1, and after. I will have fourteen houses planted to stock plants and can supply you with the right kind of cuttings.

	Per 100	1000
S. A. Nutt, Perkins, Buchner, Doyle	$1.25	$12.50
Viaud, Jaulin, Poitevine, L. Francis, Ricard, Castellane, Trego	1.50	15 00
Peter Henderson	2.00	20.00
Fleuve Blanc (White Poitevine)	5.00	50.00

These cuttings are carefully grown and will make a better plant than the average pot plant.

ALBERT M. HERR,
Lancaster, Pa.

Please mention the American Florist when writing

FERNS.

Extra Fine and Cheap.

FROM BENCH. Boston, 3-inch, 5c; 6-7-in., 15c. Boston and Piersoni, 4-inch, 10c.; 5-inch, 12½c. Tarrytown, 3-inch, 10c.; 4-inch, 15c; 6-inch, 25c; Tarrytown Runners, fine stock, $2.00 per 100. Scottii, 3-inch, 8c; 4-inch, 12½c; 5-inch, 15c.

PRIMROSE, Chinese, white, strong, 2-in., 1½c.

FLOWERING BEGONIAS, 8 kinds, 2-inch, 2½c.

ASPARAGUS SPRENGERI, 2½-in., $2.00 per 100.

PANSIES, Giant, $3.00 per 1000.

Dbl. DAISIES, Snowball, Longfellow, Delicata, $2 50 per 1000.

HARDY PINKS, field, Essex Witch, M. Gray, Abbottsford, 3½c.

Dbl. HOLLYHOCKS, 4 colors, field, 1 year, 3c.

Cash or C. O. D.

BYER BROS., Chambersburg, Pa.

ROOM....

We are crowded for room and must dispose of a lot of

BOSTON FERNS AT A SACRIFICE.

We have a large stock of **Boston, Piersoni, Elegantissima** and **Scottii.** Write for special prices which are too low to appear here.

W. W. COLES, Kokomo, Ind.

FERNS FROM BENCH.

BOSTONS, ready for 4 and 5-inch pots, $10.00 and $15.00 per 100 respectively.

CARNATIONS.

1500 Norway, extra large, healthy plants, $3.50 per 100; $30.00 per 1000.

ASPARAGUS.

Heavy, 2½-inch, plants, ready for a shift, Sprengeri, extra fine.. 3.00 per 100; 25.00 per 1000

" field-grown clumps, $6.00 per 100.

JERUSALEM CHERRIES, 3½-inch, now in bloom, $4.00 per 100. These plants are ready for 5-inch.

1500 **CALIFORNIA VIOLETS,** fine big clumps, $5.00 per 100.

J. W. DUNFORD, Clayton, Mo.

Please mention the American Florist when writing.

A Few Good Things You Want.

Cash with Order.

Dracaena Indivisa, 4 and 5-inch, $10.00 and $25.00 per 100.
Asparagus Plumosus, 2-in., $3.00 per 100.
Asparagus Sprengeri, 2-inch, $2.50 per 100.
Geraniums, S. A. Nutt, Castellane, John Doyle, Perkins, Poitevine and Double Gen. Grant, La Favorite, 2-in. pots, $2.00. Rooted cuttings, $1.00 per 100.
Rex Begonia, nice plants, and 2½-inch, $5.00 per 100.
Boston Ferns, 5-inch, 30c each.
Pierson Ferns, 5-inch, 50c each.
Vinca Var., 2-in., $2.00 per 100.
Primula Obconica, 2-in., $2.00 per 100.

GEO. M. EMMANS, NEWTON, N. J.

Abundance Carnation

Plants from the field all sold.

Rooted cuttings of this variety will be ready about January.

RUDOLPH FISCHER, GREAT NECK, L. I., N. Y.

The American Florist Company's

DIRECTORY

Contains the names and addresses of all the Florists, Seedsmen and Nurserymen in the United States and Canada. **Price $2.00.**

AMERICAN FLORIST CO.,
324 Dearborn Street Chicago, U. S. A.

The Seed Trade.

American Seed Trade Association.
H. W. Wood, Richmond, Va., Pres.; C. S Burge, Toledo, O., First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas. Twenty-fifth annual convention at New York, 1907

SWEET CORN has ripened well.

ALL fall bulbs are selling fast.

AN important article on lily of the valley will be found elsewhere in this issue.

CATALOGUE men are looking for a line of information to fix retail onion seed prices.

WEATHER continues good for picking bouquet green but reports are very meager as yet.

A RECENT bulletin of the Department of Agriculture is entitled "Seed of Red Clover and Its Impurities."

BATTLE CREEK, MICH.—Edward P. Gross who has purchased the seed business of F. G. Sherwin has, we understand, considerable experience and should do well.

BAY CITY, MICH. — The Bromfield-Colvin-Ries Co. report an unusually good crop of peas and beans, especially the latter. A large force is now busy with the cleaning.

VISITED CHICAGO: F. J. Ries, of the Bromfield & Colvin-Ries Co., Bay City, Mich.; R. R. Rickett, of the Springfield Seed Co., Springfield, Mo.; Frank T. Emerson, enroute to Pass Christian, Miss., on a pleasure trip.

SEARS, ROEBUCK & Co., Chicago, have finally announced the fact that they are no longer in the seed business and state that lack of room is the reason for giving up this department. The big mail order house expects to take up this department again at some later date.

IF the government's intentions with regard to free seed distribution are honest, why does it not send them direct to bonafide applicants, and not through the congressmen? Postmasters and post offices throughout the country could be employed as advertising and distributing agencies.

FIVE THOUSAND bushels of onion sets and a two story frame building, owned by C. J. Hess, One Hundred and Twenty-ninth and Butler streets, were destroyed October 17 by a fire which is believed to have been started by spontaneous combustion. The loss is $10,000. The building was formerly used as a factory.

MADISON, WIS.—A variety of Indian corn yielding 150 bushels to the acre should be a useful one, and this Professor Moore, of Wisconsin University, claims to have obtained. This is more than twice the average yield and Professor Moore believes his new kind to be adaptable to all states in the same latitude as Wisconsin.

FLORAL PARK, N. Y.—Some time ago John Lewis Childs bought 365 acres of fine rolling land on the Fort Jefferson line of the Long Island railroad between St. James and Stony Brook, where he expected to start a large seed and bulb farm similar to that of this place and to build up a village with seed house, hotel, private dwellings, postoffice, etc. Mr. Childs is now considering dropping the whole project and offering the land for sale for the reason that the Long Island Railroad Co., which is practically the Pennsylvania railroad, has declined to establish a depot at the location of the proposed new bulb farm. The reported price paid for the farm is from $200 to $250 per acre.

Braslan's Opportunity.

Mrs. Whoopler: You tell me, Herr Vogleschnitzel, that my daughter can never become a singer! Is there no hope for her?

Herr Vogleschnitzel: Vell, matam, you mighdt put her on a diet of canary seed alretty, undt see vot dot vill do mit her.—London Tit-Bits.

5,400 ACRES OF GARDEN SEEDS IN CULTIVATION.

Braslan Seed Growers Co.

WHOLESALE SEED GROWERS.

SAN JOSE, CALIFORNIA.

STOKES STANDARD SEEDS

ARE · MONEY · MAKERS

· Write · me · your · wants ·

STOKES SEED STORE

219 Market Street

Philadelphia

Please mention the American Florist when writing.

Gentlemen:

YOU CAN NOW GET THE FINEST

Lily of the Valley

Our **EXCELLENTA,** in original cases of five hundred pips, the best and strongest in the market, so that you can order a small quantity any time in the season whenever you need it.

We expect much demand for these small cases of **LILY OF THE VALLEY** and as we will have only 500 cases on hand with which to try this novelty, we advise you to send your order soon stating the different dates on which you would want cases sent you. If you are not known to us please send cash with order and deduct 3%.

If you are not entirely satisfied you can return the Valley at our expense.

Price per original case of 500 finest Lily of the Valley, **EXCELLENTA, $7.00.**

Yours very truly,

JOHN SHEEPERS & CO.

2, 4 and 6 Old Slip, NEW YORK.

J. STAER, Nurseryman and Seedsman,

WAHROONGA, New South Wales, AUSTRALIA.

Collector of Australian and Island Seeds and Plants. Palms, Ferns, Platyceriums, Orchids, Eucalyptus, ornamental trees and shrubs.

PALM SEEDS.

	Per 1000		Per 1000
Kentia Forsteriana	$1.25	Livistona Australis	.50
" Belmoreana	1.25	Bacularia Monostachya	1.50
" Canterburyana	3.00	Calamus Muelleri	1.50
" Moorei	12 00	Gymnostachys Anceps	2.00
Areca Baueri	1.00		
Seaforthia Elegans.	.50		

TREE SEEDS.

Castanospermum Australe.....$5.00 per 1000
Araucaria Excelsa..... 1.25 per 1000

Please mention the American Florist when writing.

TRUE STOCK.

Rocky Mountain Columbine

From the Rockies.

SEED—¼ oz., 40c; 1 oz., $1.25; ¼ lb., $4.00, by mail.
ROOTS—4 yr. old, doz., $1-25; 100, $8.00, by express. Order from headquarters.

THE BARTELDES SEED CO.,
DENVER, COLO.

Please mention the American Florist when writing.

MUSHROOM SPAWN.

Frequent importations from England. Always fresh and lively.

J. J. STYER, Concordville, Pa.

Please mention the American Florist when writing.

CINERARIA

Large flowering prize, splendid mixed...T. P., 50c
Large flowering, semi-dwarf prize, splendid mixed.....T. P., 50c
PANSY, superb mixed, oz., $4.50; ¼ oz., $1.15; ⅛ oz., 60c.

W. C. BECKERT, Allegheny, Pa.

Please mention the American Florist when writing.

BURPEE'S SEEDS PHILADELPHIA.

Wholesale Price List for Florists and Market Gardeners.

Please mention the American Florist when writing

HJALMAR HARTMANN & CO.

Growers for the Wholesale Trade Only.

31 Barclay St. NEW YOYK. **12 Stormgade, COPENHAGEN.**

CAULIFLOWER and CABBAGE SEED

PANSIES.

International, fine strain; **English Prize, Parisian,** finely variegated and shaded; also **Giant Trimardeau,** all colors and striped; also **Odier,** beautifully spotted.
$3.00 per 1000; **50c** per 100. by mail.

F. A BALLER, Bloomington, Ill.

AMERICAN FLORIST ADS

Always do business
Week days and every day
Sundays and holidays
All over the country
At home and abroad

FALL BULBS

Are selling fast. Florists and Seedsmen will do well to cover their needs now. We still have a fair supply both at Chicago and New York.

VAUGHAN'S SEED STORE

84-86 Randolph St., CHICAGO. 14 Barclay St., NEW YORK.

Greenhouses and Nurseries: Western Springs, Ill.

Please mention the American Florist when writing.

NOW READY.

EASTER LILIES

Should be potted at once, as Easter is early in the year.

Japan stocks are now arriving, and are in first-class shape.

Japan-Longiflorum,	9 to 10 in. bulbs, case of 200 bulbs	$15.00
" " **Multiflorum,**	7 to 9 in. bulbs, case of 300 bulbs	15.00
" " "	9 to 10 in. bulbs, case of 200 bulbs	17.00
" " **Giganteum,**	7 to 9 in. bulbs, case of 300 bulbs	18.75
" " "	9 to 10 in. bulbs, case of 200 bulbs	21.00
Lilium Candidum,	selected bulbs	$5.00 per 100

A FEW OF THE LEADING NARCISSI.

	Per 1000
Paper White Grandiflora, 13-15 cm., fine bulbs, case of 1250 bulbs	$11.25
Double Von Sion, first size	$ 9.00
" " " extra size	12.00
" " " mammoth double-nosed, or top root	20.00
Princeps, early, single, fine bulbs	7.00
Golden Spur, the favorite single yellow	$18.00
Empress, a grand bi-color	20 00
Alba Plena Odorata	6.00
Barri Conspicuus	8 00
Poeticus	4.50
Poeticus Ornatus	7.00

	Per 1000
WHITE ROMAN HYACINTHS, 12-15 cm.	$23.00
" " " 13-15 cm.	28.00
FREESIA REFRACTA ALBA, finest Bermuda bulbs	7.50
BERMUDA BUTTERCUP OXALIS	$7.50
SPANISH IRIS, mixed	2.50
CALLAS, Exhibition Bulbs, 2-in.-2½-in. in diameter, $10.00 per 100.	

For other bulbs and for smaller quantities, see our Wholesale Price List, in which will be found a full assortment of all kinds of bulbs for winter and spring flowering. Send for list if you have not already received one.

F. R. PIERSON CO., Tarrytown-on-Hudson, N.Y.

Please mention the American Florist when writing.

PACIFIC SEED GROWERS' CO.

109 MARKET STREET
SAN FRANCISCO, CAL.
Specialties:
Onion, Carrot, Lettuce, Sweet Peas

Please mention the American Florist when writing.

The Nursery Trade

American Association of Nurserymen.
Orlando Harrison, Berlin, Md., President; J. W Hill, Des Moines, Ia., Vice-President; George C. Seager, Rochester N. Y., Sec'y.
Thirty-second annual convention, Detroit, Mich., June, 1907.

POCATELLO, IDAHO.—A. E. Oman who has been in southern Idaho since August 15 contemplates starting a forest nursery here at once.

A RECENT bulletin of the Department of Agriculture is entitled "The Brown Tail Moth and How to Control It," by Dr. L. O. Howard, chief entomologist of the department.

The Fumigation of Nursery Stock.

The Maryland Agriculutral Experiment Station at College Park, Prince George's county, according to its nineteenth annual report, has demonstrated, first, that no injury results from fumigating dormant apple and peach nursery stock, two years of age or over, with a strength of cyanide and time of exposure considerably above that ordinarily recommended, when due care is exercised in the operation. Second, experiments have demonstrated that there is no danger of injury to nursery stock by proper fumigation at the nursery. Third, apparently fumigation of nursery trees in the fall with excessive strengths is more likely to show injury than in the spring. Fourth, there is a difference in the resisting power of apple and peach trees, the latter being less injured. Further, some varieties of apple included in the experiment, such as Winesap, Ben Davis, Maiden Blush and York Imperial, fumigated in the fall, apparently show less resistance to the effects of the gas than others. The gas used in the experiments was made by combining potassium cyanide, (98-99 per cent.), sulphuric acid (specific gravity 1.83), and water, according to the formula: one ounce of cyanide, two fluid ounces of sulphuric acid, and four fluid ounces of water to every 100 cubic feet of air space. The stock to be fumigated was exposed for 30 to 40 minutes in this gas.

Syracuse, N. Y.

Stock is arriving in good shape and is moving off nicely. The weather has continueed to be delightful, giving florists a chance to complete all of their outdoor work. The stock in the greenhouses is looking exceptionally well and a prosperous fall and winter season is assured.

P. R. Quinlan & Co. have just received a big importation of azaleas and rhododendrons from Holland and are getting in their other fall bulbs. They has just installed a 120 H. P. boiler at their Valley range. Their chrysanthemums never looked better and readily sell for $2 and upward. They expect to be picking violets within the next week or 10 days. Especially fine are their Killarney, Wellesley, Chatenay and Perle roses, which are selling from $1 to $2. Carnations bring from 50 cents to $1.

This city will in the spring begin upon a permanent plan of park improvements. The whole system will be in charge of the park commission of which James W. Pennock is chairman.

Henry Morris is making a specialty of gardenias and is the only grower in the city who attempts to produce this beautiful but difficult flower.

The Wheadons report trade to be excellent. They are displaying some fine chrysanthemums in their windows.

L. E. Marquisee's Enchantress and Lady Bountiful carnations are looking especially fine.

A. J. B.

Dubuque, Ia.

The fourth annual meeting of the Society of Iowa Florists came to a close October 19 after the best attended and most successful convention held by the society. The programme was carried out to the letter and was a very interesting and instructive one. The local florists did themselves proud in the way of entertaining the visitors. The annual meeting of the society will be held in Des Moines next year in September.

The following subjects were discussed: "Greenhouse Heating and Care of Boilers," by John T. Temple and P. S. Larson; "Greenhouse Gutters and Posts," by Judson Kramer and M. K. Zimmer; "Best Special Quick Crop for Cut Flowers," by W. E. Kemble and E. C. Keck; "Best Shrubs to Force for Retail Trade," by J. F. Wilcox and Wm. Trillow; "Best Shrubs for Park and Lawn," by Peter Lambert and Herman Martin.

The following officers were elected for the ensuing year: Theo. L. Ewoldt, Davenport, president; Judson Kramer, Cedar Rapids, vice president; Wm. Harkett, Dubuque, treasurer; W. Greene, Des Moines, secretary; J. F. Wilcox, Council Bluffs, P. S. Larson, Fort Dodge, W. E. Kemble, Oskaloosa, directors.

TED.

Glen Cove, N. Y.

The Nassau County Horticultural Society held its regular monthly meeting at the usual place October 10. The attendance was unusually large. President Harrison occupied the chair. Six new members were elected to active membership and one nominated to the same. The show room looked a blaze of color. In the point class H. F. Myers scored 93⅔ with carnations and fruits; J. F. Johnston 86⅔ with vase of Countess of Londsale dahlias; F. Meuse 81⅔ for bunch of single violets; S. Trepess 81⅓ for vase of single dahlias. H. F. Myers was awarded the box of cigars for the best collection of outdoor flowers. The fountain pen prize for the best collection of six varieties of outdoor flowers was won by S. Trepess. Other members showing in this class were H. Matz and A. Janecke.

This is the last meeting before the society's annual show to be held October 31 and November 1, so that the chief business was the preparation for the show. Special prizes are offered by Stumpp & Walter Co., $10 for 100 single and 100 double violets; Rickards Bros., $10 for table, 3x12 feet, of foliage plants, pots not to exceed six inches; society's prize $15 for best collection of carnations of commercial members. Certificates of merit will be awarded for meritorious seedlings. Mrs. Paul Dana gives books for best 10 chrysanthemums, distinct varieties.

JOHN F. JOHNSTON.

Seattle Wash.

John C. Olmsted, who has been chosen by the authorities to lay out the grounds of the Alaska-Yukon-Pacific exposition, has arrived, terms having been arranged by telegraph to save time. While nearly three years remain before the opening of the exposition, it is felt that all of this time will be needed to perfect a suitably ambitious scheme of landscape work as a setting for the show.

The famous landscape architect is not new to Seattle, having laid out a system of parks and drives less than three years ago. Various other systems of parks have been laid out by him in other cities east and west. So there is every probability that whatever else goes wrong the landscape gardening part of the exposition will be a credit to the city and the authorities.

SUPERB
BOXWOODS
Just Arrived. Perfectly Shaped.

Bushes for Window Boxes, from top of root ball. 12 to 20 inches high.....$0.75 a pair
24 inches high..... 1.00 a pair
Pyramids, 3 ft. high.....$2.00 and $3.00 a pair
" 4 ft. high..... 3.00 and 4.00 a pair
" 4 ft. 6 in. high..... 5.00 a pair
" 5 ft. high..... 7.00 a pair

ANTON SCHULTHEIS,
19th St. and 4th Ave., College Point, L. I., N. Y.

Climbing Clothilde Soupert, Marie Pavic, Crimson Rambler and Dorothy Perkins
ROSES
Grafted Oranges and Kin Kans, Palms, Biota Aurea Nana, Conifers and other stock for Florists and Nurserymen,
IN IMMENSE QUANTITIES.
400 acres in Nurseries. 60,000 feet of glass. Catalog on application.
P. J. BERCKMANS CO. (Inc.) Fruitland Nurseries
Established 1856. AUGUSTA, GA.

HARDY PHLOX

20 Best Commercial Sorts.

Selected from a large list of Present Day Improvements and contain all the Florists' Colors and other necessary features. Fully described in

OUR FALL LIST—Send for Copy.

Undivided Clumps ...$6.00 per 100: $55.00 per 1000
Strong Divisions..... 4 00 per 100: 35.00 per 1000

Ageratum, Stella Gurney, strong, 2¼-in., $2.00 per 100.

Heliotrope, Czar, Czarina and Picciola, large 2¼-in. plants, 4-6 in. high, $2.00 per 100.

Nathan Smith & Son, ADRIAN, MICH.

D. and C. Roses Are the cheapest because they are the best. We have in stock over 1,000 varieties on own roots including all the New European and American varieties of merit, as well as all the old varieties. All sizes from 2½-inch pots up. We can also offer 40 of the leading and newest varieties of Cannas including Mont Blanc, also miscellaneous lists of Plants and Shrubbery, at prices that will make it worth your while to send us your lists for quotations before buying elsewhere. Send for a copy of Our New Guide to Rose Culture, for 1906, a handsome book of 116 pages. Free for the asking.

The DINGEE & CONARD CO., West Grove, Pa.
Established 1850. 70 Greenhouses.

CHOICE NORTHERN GROWN
2-year in field, fine for forcing.

CRIMSON RAMBLERS,

$10.00 per 100.
HYDRANGEA PAN. GRAND., $8.00 per 100.

C. M. NIUFFER, Springfield, Ohio.

Special offer of PEONIES

For September

Florists' assortment of six choice proved kinds, named, including Queen Victoria and Delicatissima, all colors from white to crimson, for $8.00 per 100, $75.00 per 1000. Packed free.
Write for catalogue.

F. A. BALLER, Bloomington, Ill.

PEONIES.

Queen Victoria (Whitleyii), per 100....$ 9.00
Festiva Maxima, per 100..... 30.00
Fragrans, "Late Rose".....per 100, 6.00
Large stock of M. L. Rhubarb and Lucretia Dewberry Plants.
For 1000 rates and other varieties, write

GILBERT H. WILD, Sarcoxie, Mo.

——NOW IS THE TIME TO PLANT——

Herbaceous Perennials

We have a very large stock of **Phlox, Iris, Pinks, etc.**
Send for Price List.

VICK & HILL CO., P. O. box 613, ROCHESTER, N. Y.

Jacs Smits, Ltd. NAARDEN, (Holland.

GROWERS OF
Rhododendrons, Axaleas, pot grown Shrubs for forcing, Lily of the Valley, Spiræa, Paeonias, Roses, Climbing Plants, good varieties of Conifers and all ornamental stock.

Personal Inspection Cordially Invited.
R. R Depot, NAARDEN-BUSSUM, near Amsterdam.
Price list free on demand.

PAID UP....

Subscriptions Show That Readers Like the Paper.

FALL SPECIALTIES.

DRACAENA INDIVISA. Field-grown, 5-inch pot size $15.00 per 100; 6-inch pot size, $25.00 per 100.

CHRISTMAS PEPPER. Set full of young fruit, 4-inch pots, $12.00 per 100.

PEONY. Dorchester, 3 to 6 eye divisions, latest and best paying clear pink, about shade of Daybreak carnation, $25.00 per 100.

PEONY. Queen Victoria, best cut flower, white, 3 to 6 eye divisions, $10.00 per 100; $90.00 per 1000.

BOUGAINVILLEA GLABRA SANDERIANA. Beautiful plants, bushy and nicely rounded, 4-inch pot plants, $20.00 per 100.

HYBRID ROSES. Extra size Magna Charta, best possible condition for winter forcing in pots, strong 2-year field-grown, $12.00 per 100.

POINSETTIAS. 2½-inch, $4.00 per 100.

ROMAN HYACINTHS. 12 to 15, $2.20 per 100

Write for prices on large lots.

Send for Catalogue No. 5 for full list of Bulbs, Seeds and Plants.

THE STORRS & HARRISON CO.

PAINESVILLE, - OHIO.

Please mention the American Florist when writing.

HIBISCUS SYRIACUS MEEHANII

WE now offer to the trade our new hardy variegated leaf Hibiscus Syriacus Meehanii. This plant attracted much attention when exhibited at the American Nurserymen's Convention at West Baden, Ind., and American Florists' Exhibition at Asheville, N. C. Foliage beautifully variegated; never sun-scalds or reverts to the green; flowers single, very large, satiny lavender; blooms during four months; prices on application. Orders booked now.

P. J. BERCKMANS CO., Inc., Fruitland Nurseries, AUGUSTA, GA.

Please mention the American Florist when writing.

SEASONABLE STOCK FOR FLORISTS.

HYDRANGEAS FOR FORCING Otaksa and Thos. Hogg
With 7-12 flowering crowns.....$12.00 per 100
With 5-6 flowering crowns..... 9.00 per 100
With 4 flowering crowns..... 7.00 per 100
From 6-inch pots and open beds; all out-door grown.

ROSES—Strong, 2-years, field-grown, selected for forcing.

Hybrid Perpetuals.....$10.00 and $12.00 per 100
Crimson Rambler..... 9.00 per 100
Dorothy Perkins..... 7.00 per 100

And **LADY GAY,** a **new** hardy climbing rose of **exceptional merit;** ready **now,** from 2½-inch pots only. Write for prices.

JACKSON & PERKINS CO, Nurserymen and Florists, Wholesale Only, **Newark,** Wayne County, **New York.**

Please mention the American Florist when writing.

HERBACEOUS PERENNIALS

for Autumn Planting. We offer **nine hundred and sixty-seven varieties** of strong, field-grown plants.
Send for Catalog and Trade List.

BAY STATE NURSERIES, North Abington, Mass.

NOW READY **FALL LIST** 101 SORTS

Don't buy **ROSES** without submitting your approximate want list to

THE LEEDLE FLORAL COMPANY SPRINGFIELD-OHIO.

Please mention the American Florist when writing.

Send to **THE MOON Company**

For Your { **Trees, Shrubs, Vines and Small Fruits.**

Descriptive Illustrated Catalogue Free

THE WM. H. MOON CO., Morrisville, Pa.

Please mention the American Florist when writing.

TREES AND SHRUBS.

We make especially low prices on **Nursery Stock** to Parks, Cemeteries, etc. Wholesale price-list on application. We carry immense quantities of the finest named varieties of

PEONIES.

PETERSON NURSERY 503 W. Peterson Ave. CHICAGO, ILL.

Please mention the American Florist when writing.

LARGE TREES.

OAKS and MAPLES.
PINES and HEMLOCKS.

ANDORRA NURSERIES,
Wm. Warner Harper, Prop.
Chestnut Hill, PHILA, PA

The American Florist Company's Directory of Florists, Nurserymen and Seedsmen of the United States and Canada.

(Copyrighted and Title Trade-Mark Registered.)

DIRECTORY REVISION.

We are revising our **Trade Directory** of the **Florists, Nurserymen, Seedsmen,** etc., of the United States and Canada, and as there have been many changes in firm names and considerable extension of the area under glass, nursery grounds, etc., you would greatly oblige by filling out this sheet.

When was business established?.....

Whom did you succeed?.....

Are you a Florist?.....

Grower?.....*Retailer?*.....

*How many square feet under glass?**.....

Are you a Nurseryman?.....

Wholesale?.....*Retail?*.....

How many acres operated?.....

Are you a Seedsman?.....

Dealer?.....*Grower?*.....

What are your specialties?.....

.....

Firm name.....

Proprietor's name.....

Manager's name.....

Street.....

Postoffice.....*State*.....

* ☞ To ascertain the number of feet under glass in a given house, 12x145, multiply the length (145 feet) by the width (12 feet) and you have in that house 1,740 feet under glass, thus.....

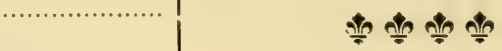
145
12
1,740

Horticultural Supply Concerns.

We also list all lines of **Horticultural Supply Concerns,** such as manufacturers of

Greenhouse Building Materials, Boilers, Ventilators, Glass, Insecticides, Pots, Labels, Seed Bags, Fertilizers, Wire Designs, Tinfoil, Vases, Implements, Machinery, Sprayers, Seed Cases, Etc.

The specialties are also listed under these heads in the case of advertisers.



Advertising Rates.

Including Copy of New Edition.

Page (3½x6½ ins.)	$25.00
Half page (3½x3¼ ins.)	15.00
One-fourth page (3½x1⅝ ins.)	9.00

If there are any new firms or trade changes in your vicinity, please give the particulars here:

.....

.....

.....

☞ **PLEASE FILL IN THESE PARTICULARS AND MAIL THIS SHEET TO**

American Florist Company,

Directory Department. **324 Dearborn Street, CHICAGO.**

Palms, Ferns, Etc.

WHOLESALE PRICE LIST.

	In. Tiers.	Ea.	Doz.	100
Asparagus Plumosus	2			$3.00
" "	3			6.00
Asparagus Sprengeri	2			3.00
" "	3			6.00
" "	4		1.50	
" "	5		2.00	

Boston Ferns, 4-in. pots, $1.50 per doz.; 5-in. pots, $3.00 per doz.; 6-in. pots, $4.20 per doz.; 6-in. pots, strong, $6.00 per doz.; 7-in. pots, $9.00 per doz. Larger specimens, $1.50, $2.00 and $3.00 each.

Scottii Ferns, 10-in. pots, $2.00 each.

Assorted Ferns for Dishes.

$3.00 per 100; $25.00 per 1000. We have a large lot to offer in best varieties.

Fern Balls, 7 to 9. Dormant or in leaf. $4.20 per doz.

Cibotium Schiedei, 5-in., $9.00 per doz.; 6-in., $12.00 per doz.; 8-in., $24.00 per doz.

Dracaena Fragrans, 5-inch pots, 50c each; $5.00 per doz. 6-in. pots, 75c each; $9.00 per doz

Dracaena Indivisa. 2-inch pots, $2.50 per 100; 6-inch pots, 20 to 26 inches high, 50c each; $5.00 per doz.; 7-inch pots, 30 to 34 inches high, 75c each; $9.00 per doz.

Maranta Lietzii, 2¼-in., $1.00 per doz.

Pandanus Veitchii, 6-in. ..... per doz., $12 00
" **Utiles,** 3-in. ..... per doz., 1.50
" " 4-in. ..... per doz., 3.00
" " 5-in. ..... per doz., 5.00

Cocos, for dishes. 2 to 2½ inch, $1.50 and $1.75 per doz.

Cocos Bonetti, large specimens, $40.00 each.

	In.	Each	Doz.
Kentia Belmoreana	3		$ 2.00
" "	6	1.25	15.00
Kentia Forsteriana	6	1.25	15.00
" "	7	2 00	24.00
" "	7	2.50	
" "	7	3.00	

Latania Borbonica, 3-in. $1.50 per doz.; 3½-in., $2.00; 4-in., $3.00; 5-in., $5.00 and 7-in., $12.00 per doz.

Phoenix Canariensis, 2-in. ..... per doz., 1.00
" " fine bushy plants. 10-in. pots, $3.00 each. Large specimens.

Phoenix Reclinata, 3½-in. ..... per doz., $2.00
" " 4-in. ..... per doz., 3.00
" " 6-in., 50c each; per doz., 6.00
" " 7-in., 75c each.

Selaginella Denticulata, 3-in., per doz., $1.00.

The Geo. Wittbold Co.

1657 BUCKINGHAM PLACE. CHICAGO.

PRIMROSES.

Obconica Alba and Rosea, $1.50 per 100; $12.00 per 1000.

ASPARAGUS. Per 100

Plumosus Nanus, 2¼-in. pots, $18.00 per 1000, $2.00
VINCA VAR., from field 5.00
CANNAS, 5 varieties, field-grown clumps 10 00
PANSY PLANTS, large flowering, $3.00 per 1000; .50

CASH

JOS. H. CUNNINGHAM, Delaware, O.

ASPARAGUS PLUMOSUS

Exceptionally fine stock from 3-in. pots. $5.00 per 100.

ASPARAGUS SPRENGERI, from 3½-in. pots. $6.00 per 100.

Write for price on large lots.

SCHARFF BROS., Van Wert, Ohio.

Highland Grown Carnation Plants

	Per 100	1000		Per 100	1000
Flora Hill	$4.50		Glacier	$3.50	$30 00
Crusader	5.00		White Cloud	3.50	30.00
M. A. Patten	5.00		Harlowarden	3 50	30.00
Prosperity	4.00	$35.00	Roosevelt	3.50	30.00
M. Glory	4.00	35.00	Peru	3.50	30.00

CRABB & HUNTER, Ltd., Grand Rapids, Mich.

It is good business policy to mention
The....
AMERICAN FLORIST
When you write to an advertiser

LUDVIG MOSBAEK

Onarga, Ill.

SPECIAL:—To October 15, ten per cent off for strictly cash with order for plants in this list, to make room for bedding plants.

	Per 1000	100	Doz.
ASPARAGUS, Plumosus Nanus, from 4½-inch pots		$10.00	$1.35
ASPARAGUS, Plumosus Nanus and **Sprengeri,** from 4-inch pots	$75.00	8.00	1.10
Same from 3-inch pots	45.00	5.00	.65
Same from 2¼-inch pots	22.50	2.50	.35
FERNS, Boston and **Piersoni,** from 10-inch pans ..... each, $2.00			20.00
" " " " from 8-inch pans ..... each, 1.00			10.00
FERNS, Boston and **Piersoni, Anna Foster** and **Sword,** all pot-grown, 6-inch		40.00	5.00
4-inch	125.00	15.00	2.00
3-inch	75.00	8.00	1.00
2¼-inch	30.00	3.50	.50

I have also a few thousand **Bench-grown Ferns** for 4-5-6-inch pots. Prices on application as long as they last.

FERNS, Piersoni Elegantissima. Of this I have a very fine lot from 4-inch pots		30.00	4.00
3-inch pots	125.00	15.00	2.00
2¼ inch pots	70.00	8.00	1.25
		Per 1000	100
PALMS, for growing on; we want to clear them out at a special bargain. " **Phoenix Canariensis,** from 4-inch pots			$10.00
SANSEVIERIA, Zeylanica Var., 4-inch to 5-inch, $15 00; 3-inch			8.00

CANNA SURPLUS,

in following var., 2 to 3 eyes, for Fall delivery.

Full line of standard and new var. Descriptive list mailed free.

Bronze leaved, Discolor, for foliage	$ 7.50	1.00
Chas. Henderson, red flowers	10.00	1.25
Allemania, variegated red and yellow flowers	7.50	1.00
Tall Florence Vaughan, var. red and yellow	10.00	1.25
L. Patry, pink flowers	10.00	1 25

My selection of above and other named varieties, per 10.000 ..... $60.00

Surplus of Hardy Herbaceous Perennials.

Transplanted and seedlings. List mailed free.

	Per 100	Doz.
Achillea, The Pearl; **Aquilegia,** in var.; **Campanula,** in var.; **Coreopsis; Dianthus** Plumarius; **Foxglove; Forget-me-not; Chrysanthemums,** in 30 var; **Shasta Daisy; Sweet William,** and many others	$1.00	$0.15
Oriental Poppy, in var.; **Monarda** Didyma, and many others	1.50	.20

List of **FIELD-GROWN PERENNIALS** mailed free.

CARNATIONS.

Strong, Healthy, Field-Grown Plants.

BOSTON MARKET, per 100, $3.00; per 1000, $25.00

NELSON, pink, per 100, $3.00; per 1000, $25.00

PETER REINBERG,

51 Wabash Ave., CHICAGO.

Will Sell Cheap

50,000 Canna Roots

Mostly Alphonse Bouvier.

Also 10,000 **Boston Ferns** in 4-inch and 5-inch pots, Send for prices.

JOHN WOLF, Ott and Anderson Sts., SAVANNAH, GA.

Cold Weather Bargains

SEND YOUR CASH FOR FOLLOWING:

	2½-in.	3-in.	4-in.
Chinese Primroses	$5.00	$8.00	$12.50
Primula Obconica	5.00	8.00	
Baby Primroses		8.00	
Cyclamen, high grade		8.00	20 00
Poinsettias		8.00	12.50
Special large plants, 6-in., 50c each			
Rex Begonias		8.00	15.00
Blooming Begonias		7.50	

If you need any size of **Ferns,** Bostons Piersoni, Barrowsii, Scottii, Maidenhair, Whitmani, Elegantissima, write for our new November list. Our customers must be satisfied.

We also are ready to sell **'Mum Stock Plants. Cut Flowers** of all Kinds.

GEO. A. KUHL, Pekin, Ill.

Indianapolis.

MARKET VARIABLE.

Business, which was all one could wish for at the beginning of the week, dwindled down nearly to a standstill by Friday and Saturday. Chrysanthemums, especially Polly Rose and Glory of the Pacific, are very plentiful and, unless something is doing pretty soon, next week the queen of fall flowers will go a begging. Carnations are more plentiful but good ones are still better property than anything else in the flower line.

NOTES.

B. Hitz is erecting 11 houses, 16x125 feet, on the corner of Roosevelt avenue and Dearborn street for the forcing of lettuce and other vegetables. The houses will have cement walls, iron posts, cypress gutters and sash bars; there are no partitions between the houses and each contains one cement-lined bed 14 feet wide and one 18-inch walk. Charles Eland, formerly with Bertermann's, is working for Mr. Hitz.

R. F. Harritt, landscape architect, has several large contracts for this fall and next spring. Mr. Harritt recently bought 15 acres near stop 4 on the Rushville line. Willowmere will be the name of the place and it will be used for display and trial grounds mainly, the owner also will erect a handsome residence thereon.

I. A. E. Haugh, of Anderson, is home from an inspection trip over this part of the state. The carnations at Bertermann's Cumberland branch were among the best he has seen.

John Grande made a good thing out of his cosmos, by cutting the evening before the frost and selling all he had at double price next morning.

The Saturday News brought a sketch, profusely illustrated of the life of "Tomy" Hart, the Nestor among active florists in this state.

Huntington & Page, seedsmen, are moving to 210 N. Deleware street, which is an excellent location for their line of business.

Recent visitors: I. A. E. Haugh, Miss Emilie Dorner, J. D. Carmody and John Evans. J.

CHEYENNE, WYO.—The Union Pacific has decided to erect a large greenhouse here instead of at North Platte as originally intended. This is to supply the dining and other cars, also the buildings and depots with plants and cut flowers.

POUGHKEEPSIE, N. Y.—A serious fire, thought by Mr. McGuire to be of incendiary origin, broke out in the tank house at his place on East Forbus street on October 15. About $300 damage was done and unfortunately Mr. McGuire carried no insurance.

GOOD FERNS CHEAP.

	Per 100
BOSTONS, strong runners	$ 2.00
ELEGANTISSIMA, strong, 2½-in	5.00
PIERSONI, from 6-in pots	40.00
from 7-in. pots	60.00
SCOTTII, from 5-in. pots	25.00
from 6-in. pots	40.00
from 7-in. pots	60.00
WHITMANI, strong young plants, from bench	10.00

DAVIS BROS., Morrison, Ill.

HOME AGAIN FROM EUROPE.

ROOM WANTED to place the big importation of plants I bought in Belgium and Holland. Prices greatly reduced, for a short time only. Buy now while the weather is warm enough for shipping, and while prices are low.

PLEASE NOTE LOWEST PRICES GOING FOR OCTOBER.

We are one of the largest importers in **Araucarias.** All Araucaria Excelsa, Robusta Compacta and Glauca have grown considerably since the last measurements were taken (two month ago). **No Advance in Prices.**

ARAUCARIA EXCELSA

12 to 14-in., 5½-in. pots, 8 to 4 tiers, 2 years old, 50c; 14 to 16-in., 5½-in. pots, 3 to 4 tiers, 2 years old, 60c; 16 to 18-in., 5½ to 6 in. pots, 4 to 5 tiers, 3 years old, 75c; 18 to 20-in., 6-in. pots, 5 to 6 tiers, 4 years old, $1.00; 20 to 24-in. 6 to 7-in. pots, 5 to 6 tiers, 4 years old, $1.25; 36, 40 to 50-in., 7-in. pots, specimen plants, from $2.50 to $3.00 each.

ARAUCARIA COMPACTA ROBUSTA—have several thousand of them; can supply all wants. These plants were never so fine in shape and condition as this year. The pet of the greenhouse; as broad as long; 20 to 25 in. in height, 3 to 4 perfect tiers, 20 to 25 in. across, 3-4-5 years old, 6 to 7-in. pots, $1.25, $1.50, $1.75, $2.00, $2.50 to $3.00 each.

ARAUCARIA EXCELSA GLAUCA—this variety on account of its beautiful green-bluish tiers, dwarf habit, fine compact shape, gives it a striking appearance, and anybody seeing the plants must undoubtedly fall in love with them at sight. Plants, 6 to 7-in. pots, 3, 4 and 5 perfect tiers, 3 to 4 years old 20 to 30 in. high, from 20 to 30 in. across, $1.25, $1.50, $1.75 $2.00 to $2.50 each.

KENTIA FORSTERIANA, 7-in. pots, made-up plants, 1 large in center 3 smaller sizes, 22 to 25 in. high around, gives them a good appearance, $2.00 each; 6-in. pots, single plants, 35 to 40 in. high, 5 to 6 good leaves 4 years old, $1.25 to $1.50 each; 6-in. pots, 30 to 35 in. high, 4 years old, 5 good leaves, $1.00; 5½-in. pots, 3 years old, 25 to 30 in. high, 5 good leaves, 75c. Made-up plants, 3 and 4 in. pots, 18 to 20 in. high, 25c to 30c each.

ARECA LUTESCENS, 5-in. pots, 24 in. high, made-up with 3 plants, 35c; 4-in. pots, 20 to 24 in. high, made-up with 3 plants, 25c.

ARECA SAPIDA, just imported from Belgium, something new, very attractive, looks like Kentia, 25 in. high, $1.00.

COCOS WEDDELLIANA, 15c.

ASPARAGUS PLUMOSUS NANUS, 4-in. pots, large, bushy, 10c to 12c.

OUR LITTLE PETS.

ASPARAGUS SPRENGERI, 4-in. pots, 10c.

FICUS ELASTICA, 6-in., 50c.

FERNS, all raised in pots and not on benches as follows:

NEPHROLEPIS BARROWSII, 7 in. pots, as big as a bushel basket, 75c to $1.00 each; 6-in. pots, large, ready for 7-in., 50c; 5½-in., 40c; 5-in., 35c; 4-in., 25c.

NEPHROLEPIS SCOTTII, 8-in., as big as a wash-tub, worth $2.00, now $1.25; 7-in., as big as a bushel basket, worth $1.25, now 75c; 6-in., 50c; 5½-in., 40c; 4-in., 20c.

NEPROLEPIS ELEGANTISSIMA, 5-in. pots, 30c.

BOSTON FERNS, 7-in., very bushy, only 75c; 6-in., 50c or $5.00 per doz.; 5-in., 30c to 35c; 4-in., 20c.

FERNS—A fine assortment of Ferns for dishes, large, bushy, out of 2½-inch pots, $5.00 per 100; 3-inch, 6c each.

JERUSALEM CHERRIES, (or Solanum), 6-in. pots, very bushy, full of berries, from $3.00 to to $6.00 per doz.

DRACAENA BRUANTI, (imported), 30 in. high, 6-in. pots, 50c, $5.00 per doz.

CYCLAMEN, will bloom for Christmas, 5-in. pots, 20c; 4-in., 12c.

PRIMULA OBCONICA, best strain, 4-in. pots, 10c.

CHINESE PRIMROSES, in 4-in. pots, ready to shift into 5-in. pots, will bloom for Christmas, $8.00 per 100.

HYDRANGEA OTAKSA, only pot-grown is offered, sure success for Easter forcing, 6-in. pots, 25c; 7 to 8-in., 50c.

AZALEA INDICA, just arrived, selected by myself on my recent trip to Belgium. Have all leading varieties such as Deutsche Perle, Simon Mardner and Vervæneana. These three sorts are good for Christmas forcing. Later varieties: Empress of India, Oroff, Wolters, Niobe, Bernard, Andreas Alba, Mme. Van der Cruyssen and many others, prices as follows: 35c, 40c, 50c, 60c, 75c, $1.00, $1.25 to $1.50 each.

BEGONIA GLOIRE DE LORRAINE, 6-in-pots, 50c; 3-in., 20c.

BEGONIA FLAMBEAU, sells on sight, 4-in., ready for a shift into 6-in., 20c.

BEGONIA ERFORDII. New Improved, blooms all winter through, 4-in., 15c.

—CASH WITH ORDER.—

When ordering, say whether the plants should be shipped in the pots or not.

GODFREY ASCHMANN,

IMPORTER AND WHOLESALE GROWER OF POT PLANTS.

1012 Ontario Street, - - PHILADELPHIA, PA.

Inquiries That Pay Dividends.

AMERICAN FLORIST CO.:—Enclosed please find copy for ad., which you will please continue until advised to the contrary. We are more than gratified at the inquiries and ordres received, and can not afford to discontinue even though we were inclined to do so.

IONIA, MICH., Sept. 15, 1906. **Ionia Pottery Co.**

TAKE MY WORD FOR IT.

—THE—

Rose Pink Enchantress

Will pay you well to invest in.

It is a variety of superior merit, both free and "fancy," and of a color that you have been looking for in vain during the past two seasons. Rooted Cuttings, January and later delivery.

Price: $7.00 per 100; $60.00 per 1000.

S. S. SKIDELSKY,

824 No. 24th Street, PHILADELPHIA, PA.

Descriptive circular on application.

Please mention the American Florist when writing

PANSIES.

Brown's Extra Select Superb Giant Prize Pansies.

Awarded silver medal St. Louis Exposition, 1904.

Plants, mixed colors, in any quantity, $3.00 per 1000. Cash with order.

PETER BROWN,

LANCASTER, PA.

Please mention the American Florist when writing.

PANSIES **DAISIES**

Best Giants, Mixed. Snowball and Longfellow. $2.50 per 1000. 2000 for $4.50.

Coreopsis Lanceolata, Dbl. Hollyhocks, red and mixed, strong seedlings, ready to pot, 60c per 100, mail; $5 00 per 1000, express.

Primula Obc. Grandif., Alba, Rosea, 2-in., make fine stock for Easter, $1.50 per 100, Cash.

SPIPPENSBURG FLORAL CO., Shippensburg, Pa.

...CARNATIONS...

Bargain rates to sell before freezing. 3,000 Norway, $3.00 per 100; 100 Wolcott, $5.00 per 100; 100 Bountiful, $5.00 per 100. Very strong and fine.

Smilax, extra good, 3-in., $2.50; 2¼-in., $2.00.

Asparagus Plumosus, 2¼-in., $3.00; 3-in., $5.00.

Boston Ferns, 5-in., $25.00. Specimens, 75c and $1.00.

ROSES, strong, 3-in., Bride and Maid, $4; 2¼-in., $2.

W. H. GULLETT & SONS, Lincoln, Ill.

Muskogee Carnation Co.

Get your flowers cut fresh from greenhouse.

AMERICAN BEAUTY, BRIDE, MAID, RICHMOND and CARNATIONS.

All fancy varieties; also surplus stock of **Bride** and **Maid,** 4-inch pots. Fine plants.

MUSKOGEE, IND. TER.

CHRYSANTHEMUMS.

STOCK PLANTS.

	Per doz.		Per doz.
Monrovia	$ .75	Clementine Touset	$1.00
Rosiere	1.50	October Frost	1 50

ELI CROSS, Grand Rapids, Mich.

Please mention the American Florist when writing.

LARGEST STOCK OF ALL

Belgian Plants.

AZALEAS, ARAUCARIAS, SWEET BAYS, PALMS, BEGONIAS, GLOXINIAS, ETC.

Louis Van Houtte Pere,

GHENT, BELGIUM.

Please mention the American Florist when writing

The Regan Printing House

LARGE RUNS OF

CATALOGUES —OUR— **SPECIALTY**

WRITE FOR FIGURES.

83-91 Plymouth Place, CHICAGO

PALMS, FERNS and DECORATIVE PLANTS

ARAUCARIA EXCELSA.

(Norfolk Island Pine.)

We have a large quantity of these popular Christmas plants. All are perfect, well shaped plants, and will give good satisfaction.

Size pot.	Height	Whorls	Each	Doz.
6-in.	12 in.	4	$1.25	$15.00
7-in.	22 in.	5	1.50	18.00

ARAUCARIA EXCELSA GLAUCA.

Size pot.	Height	Whorls	Each	Doz.
5-in.	12 in.	3	$1.00	$12.00
6-in.	13 to 15 in.	3 to 4	1.25	15.00
7-in.	18 to 20 in.	4 to 5	1.50	18.00
7-in.	22 to 24 in.	4 to 5	2.00	24.00
9-in., fine specimens	30 in.	4 to 5	3.00	....
9-in., fine specimens	34 in.	5	4.00	....

ARAUCARIA ROBUSTA COMPACTA.

Size pot.	Height	Whorls	Each	Doz
5-in.	10 in.	2	$1.00	$12.00
6-in.	12 in.	3	1,50	18.00
7-in., fine specimens	28 in.	5	3.00	....
8-in., fine specimens	32 in.	5 to 6	4.00	....

ASPARAGUS PLUMOSUS NANUS.

We Are Headquarters.

	Per 100	Per 1000
2-in pots, strong, ready for a shift	$3.00	$25.00
2½-in. pots, strong, ready for a shift	4.00	40.00
3-in. pots, strong, ready for a shift	7.00	65.00
Strong Seedings	1.50	12.00

BOSTON FERNS.

Nephrolepis Exaltata Bostoniensis.

We have the finest stock in the west. All our plants are pot-grown, bushy stock, well furnished with fronds from the pot up, and cannot be compared with the cheap, long-drawn-up lifted stock from the bench. A sample shipment will convince you of our superior stock. Stock ready now.

	Each	Per doz.	Per 100
2½-in pot plants		$ 0.60	$ 5.00
3-in. pot plants		1.50	10.00
4-in. pot plants		2.50	20.00
5-in. pot plants	$ .50	5.00	40.00
6-in. pans plants	.75	8.00	60.00
7-in. pans plants	1.00	10.00	75.00
8-in. pans plants	1.00	15.00	.....
9-in. pans plants	$2.00 to $2 50	.....	.....
10-in. pans plants	3.00 to 3.50	.....	.....
12-in. pans plants	4.00 to 5.00	.....	.....

ASSORTED FERNS FOR FERN DISHES.

We have a very large stock of all the best Pteris Ferns, 2¼-in. pots, strong and bushy assorted, per 100, $3.00; per 1000, $25.00.

CELESTIAL OR XMAS PEPPERS.

One of the very best of Christmas plants.	Per doz.	Per 100
Strong plants, 4 in. pots	$1.25	$10.00
Strong plants, 5-in. pots	2.00	15.00

FICUS ELASTICA. (Rubber Plant).

5-inch pots, 12 to 14 in. high.....$5.00 per doz.; $40.00 per 100

RICHMOND ROSES.

3-in. pots strong	8.00 per 100:	75.00 per 1000
4-in. pots, strong	12.00 per 100;	100.00 per 1000

KILLARNEY, strong.

Strong, 3-in. stock	$ 8.00 per 100:	$ 75.00 per 1000
4-in.	12.00 per 100:	100.00 per 1000

PAEONIES FOR OCTOBER PLANTING. We have the best kinds of our own growing, all true to name. Send for complete list.

PERENNIALS FOR FALL PLANTING. Our stock is large and consists of all the best sorts. Send for special list.

VAUGHAN'S SEED STORE,

84-86 Randolph St., CHICAGO. 14 Barclay St., NEW YORK.

Greenhouses and Nurseries: Western Springs, Ill.

Le Journal des Roses.

Organ of the French Rosarians.

Published at Paris. Once a month with colored plates.

Subscription $2.70 per Year. Sample Copies Free.

ADMINISTRATION DU SUISNES **JOURNAL DES ROSES**

a SUISNES, Brie

a Grisy-Suisnes. (Seine et M FRANCE.

DAHLIAS.

Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring.

DAVID HERBERT & SON,

Successors to L. K. Peacock, Inc., ATCO, N. J.

Queen Beatrice Rose.

Four to one shot. Four times as many flowers as Maid.

F. H. KRAMER, 916 F St., WASHINGTON, D. C.

Please mention the American Florist when writing.

ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the

"Horticultural Advertiser"

This is the British Trade Paper, being read weekly by all the Horticultural traders; it is also taken by over 1000 of the best continental houses. Annual subscription to cover cost of postage 75c; Money orders payable at Lowdham, Notts.

Address **Editors of "H. A."**

Chilwell Nurseries, LOWDHAM, Notts, England

Los Angeles, Cal.

An addition has been made to the nursery and florist enterprises of southern California in the Rising & Dunscomb Co., recently incorporated to absorb the businesses of the Ocean Park Floral Co., the Hollywood Rose Co. and West Park Nursery. The incorporators are: H. G. Rising, president; G. T. Dunscomb, vice-president; J. L. Dunscomb, secretary and treasurer. The firm has three establishments beside their wholesale flower distributing depot in this city, the largest being some 20 acres at Ocean Park, mostly devoted to the growing of carnations for the wholesale flower market, with large houses for the propagation of new stock for their own use and wholesale distribution. Corbett, Enchantress, Lord, Choate, Los Angeles and Roosevelt are the leading varieties grown. Their nursery is at Hollywood and is devoted to the growing of roses, trees and palms, while in this city they have a greenhouse for the propagation of ferns and bedding stock. The company is doing a general wholesale and retail business in all classes of nursery and floral stocks.

Bucyrus, O.

F. J. Norton had a rude awakening on October 15 by the roar of a fire spreading from an adjacent barn to his greenhouse, and owing to a late call to the fire department between $900 and $1,000 worth of damage was done before the fire was under control. Only his own prompt measures with the hose prevented far more serious consequences.

The south front of the greenhouse was badly burnt and the glass shattered, the potting shed being also partially destroyed. Besides the growing stock there were a number of stored palms and other plants that were killed and the roses on the benches in another house were badly scorched. It is satisfactory to note that the damage is well covered by insurance.

Meredith, Mass.

The twelfth annual exhibit of the State Horticultural Society opened in the town hall October 17. The back of the hall was decorated with masses of mountain laurel and the walls were hung with evergreens. Mrs. Ellen Vickery had charge of this part of the work. W. D. Baker of Quincy was present and was kept busy transacting the business of the society and naming fruits and other products brought in for that purpose. Among the speakers were Prof. H. F. Hall, of Durham college; E. A. Rogers, of Brunswick, Me., who spoke on "How to Profitably Grow Potatoes;" Professors J. W. Sanborn, of Gilmanton, A. A. Hixon, of Worcester, and Munson, of the University of Maine. The apple exhibit was especially fine, both as regards quantity and variety.

CHARLESTON, S. C.—Over a score of entries are in for the floral parade which is to be held November 7 instead of 9 as arranged.

BOSTON, MASS.—From fire engine to florist's van went the famous horses recently engaged in "Fighting the Flames," and Henry Penn is to be congratulated on the acquisition of such a splendid team.

GERANIUMS 2½in. Pots, Ready for Immediate Delivery

Alliance. Lemoine 1905. Hybrid, Ivy and Zonal, semi-double, lilac white, upper petals feathered and blotched crimson maroon, 25c each; $2.00 per doz.

Fleuve Blanc, the semi-double Bruant that promises to become the standard white, flowers and foliage equal to Alph. Riccard, $1.50 per doz.; $10.00 per 100.

Double Dryden, $1.00 per doz.; $5.00 per 100.

Send for Geranium Catalogue.

Cactus Geraniums, four varieties, petals curled and twisted similar to the Cactus Dahlia, $2.00 per doz.; $15.00 per 100.

S. A. Nutt, La Pilote, Beaute Poitevine, Mme. Barney, Centaur, Miss Kendall, Mme. Jaulin, Jean Viaud, Mme. Charotte, 40c per doz.; $2.00 per 100; $18.00 per 100.

Ville Poitiers, Marquise de Castellane, Berthe de Persilly, M. Jolly de Bammeville, Thos. Meehan, 50c per doz.; $3.00 per 100; $25.00 per 1000.

Let us figure on your future supply.

	Per 100	1000
Alternanthera, red and yellow	$2.00	15.00
Hardy English Ivy	2.00	15.00
Smilax	2.00	15.00

A cordial invitation is extended to all interested in horticulture to visit us. Cowenton station, Philadelphia division, B. & O. R. R., 12 miles north of Baltimore.

R. VINCENT, JR. & SON, White Marsh, Md.

Please mention the American Florist when writing.

Directory of Gardeners

—AND—

Estates Employing Gardeners

—IN THE—

UNITED STATES and CANADA.

Price $5, Cash With Order.

AMERICAN FLORIST CO. 324 DEARBORN ST., ...CHICAGO.

BEST ENGRAVINGS and ILLUSTRATIONS

—Of Every Description—

FOR CATALOGUES.

SEE OUR WORK IN THIS PAPER. SEND FOR ESTIMATES.

GLOBE ENGRAVING and ELECTROTYPE CO.

407-427 Dearborn St., CHICAGO.

BERTHA RATH

CARNATION.

FERNS, PALMS,

ARAUCARIA EXCEL.,

ASPIDISTRA,

Green and Variegated.

BAY TREES and PRIVET,

Fine, Strong Stock.

R. DREYER, WOODSIDE, L. I., N. Y.

SPECIALTIES.

ROSES, from 3-inch pots. CHRYSANTHEMUMS.
CARNATIONS, for fall delivery. SMILAX. VIOLETS.
IN BEST VARIETIES.

Prices low. Send for list.

WOOD BROTHERS, Fishkill, N. Y.

GOV. HERRICK THE COMING VIOLET

One that produces three times as many flowers as any violet ever offered for sale. It will please you. Order at once. Prices: $2.00 per doz.; $10.00 per 100; $75.00 per 1000; 5,000 or more at $60.00 per 1000. Send for description today.

H. R. CARLTON, Willoughby, O.

INTRODUCER and ORIGINATOR.

MABELLE, New Pink Carnation for 1907.

Color—A peculiar shade of lovely pink, with a faint yellowish cast; several shades lighter than the Lawson. Unlike most pinks, the brightest sun does not injure the color. Size—3 to 4 inches in diameter when established. Odor—Pleasing, but not strong. Stems—Invariably strong, but always graceful, ranging from 12 to 30 inches during the season. Habit, etc.—A very quick, active grower, making specimen plants in a short time, even from late cuttings. On account of its rapid growth, requires supporting very soon after benching. Gets away rapidly, blooms early and gives long stems right from the start. Productiveness—Prodigious is the best word we know of to use here. It is the most incessant bloomer, early and late, we have ever grown. Stock limited. Delivery January 5 to 10 and later. Price, $12.00 per 100, $100.00 per 1000.

THE H. WEBER & SONS CO., Oakland, Md.

Please mention the American Florist when writing.

Now is the Time

to Subscribe to the

Horticultural Trade Journal

Published weekly. The Largest Brightest, and Best British Trade Publication. Also

THE INTERNATIONAL EDITION

Published quarterly. Annual subscription for weekly and quarterly numbers, One dollar, (International money order). Subscribe to-day and keep in touch with European markets and topics.

THE HORTICULTURAL PRINTING COMPANY, BURNLEY, ENGLAND.

MAKE MONEY

(There's Plenty of it in the Country.)

This Fall and Winter

BY ADVERTISING IN THE

Autumn Number

— OF —

The American Florist.

To Be Issued November 10.

NO FICTITIOUS INQUIRIES. NO WASTEFUL CORRESPONDENCE.

BEST SERVICE—RIGHT RATES.

ADVERTISEMENTS in body pages will be taken at our ordinary rates, namely, $1.00 per inch, $30.00 per page of thirty inches, with the usual discounts on time contracts. On regular front pages and regular back page the price is $30.00 per page on yearly contract.

THE BUYERS READ THAT PAPER WHICH IS BEST WORTH READING.

WHAT OUR PATRONS SAY:

INQUIRIES THAT PAY DIVIDENDS.

AMERICAN FLORIST COMPANY:— Ionia, Mich., September 15, 1906.

Enclosed please find copy for ad., which you will please continue until advised to the contrary. We are more than gratified at the inquiries and orders received, and can not afford to discontinue even though we were inclined to do so.

IONIA POTTERY COMPAMY.

SAVES BUYERS' MONEY.

AMERICAN FLORIST COMPANY:— Fort Smith, Ark., September 22, 1906.

We look forward to the coming of your paper the same as a meal and we save a good deal of money ordering from the advertisements contained therein.

OWEN & HANESWORTH.

The announcement of every regular advertiser appears in Ready Reference Advertising Department.

American Florist Co.,

324 Dearborn Street,

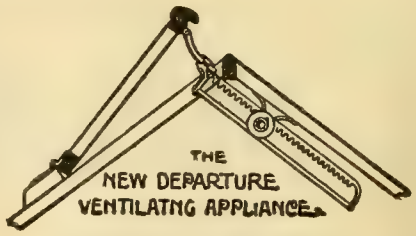
CHICAGO.

PLEASE MAIL YOUR ADVERTISEMENT NOW.

"THE PAPER WE READ AND BUY FROM."

Index to Advertisers.

Adv rates.....638
Advance Co The.... V
Allen J K.....649
Amling E C.....644
Andorra Nurseries...655
Aschmann Godfrey..658
Atlanta Floral Co...651
Baller F A.....653 655
Barrows Henry & Son647
Barteldes Seed Co...653
Bassett & Washburn. .....III 645
Baumann L & Co....IV
Bay State Nurseries.655
Beaven E A.....642
Beckert W C.....653
Benthey-Coatsworth Co.....644
Berckmans P J Co. 654 655
Berning H G.. ... 647
Bertermann Bros Co.650
Boddington A T IV
Braslan Seed Co.....652
Breitmeyer's J Sons.650
Brown Peter.....659
Budlong J A.... 644
Burpee W A & Co...653
Byer Bros.....651
Caldwell the Woodsman Co.....642
Campbell Exors R..672
Carlton H R.....660
Carmody J D.....662
ChicagoCarnationCo I
Chicago Flower ..... Show..... II
Chicago House Wrecking Co.....671
Clark Wm.....642
Cleveland Cut Flo Co651
ClipperLawnMower Co.....670
Coles W W.....651
Connell Benj.....642
Cooke Geo H.....650
Cotsonas Geo & Co..649
Cowee W J.....662
Crabb & Hunter. ...657
Craig Robert Co.....647
Crawshaw Jas.....642
Cross Eli.....659
Cunningham Jos H..657
Daniels & Fisher....650
Davis Bros.....658
Deamud J B Co.....645
DetroitFloPotMfv...670
Dietsch A Co.....672
Diller Caskey & Co..662
Dillon J L.....642
Dingee&ConardCo..655
Donohoe W H.....650
Dorner F & Sons Co. I
Dreer H A.....643 671
Dreyer R.....660
Dunford J W.....651
Edwards Fold'g Box.670
Elliott Wm H.....647
Emmans Geo M.....651
Eyers H G.....651
Fellouris A J 649
Fischer R.....651
Florists' Hail As'n....662
Flower Growers Co..644
Foley Mfg Co.....672
Ford Bros.....649
For Sale and Rent...639
Froment H E 649
Garland Geo M..... V
Garnsey M V.....672
Giblin & Co..... VI
Globe Eng Co.....660
Gude A & Bro.....650
Gullett W H & Sons.659
Gundestrup K & Co .IV
Gurney Heater Co... VI
Guttman Alex J.....649
Guttman & Weber..648
Hansen M A 650
Hart Jas.....649
Hartman Hjalmar...653
Hauswirth P J.....650
Heller & Co.....IV
Henshaw A M.....649
Herbert D & Son....659
Herr Albert M.....651
Herrmann A.....IV
Hess & Swoboda....650
Hews A H & Co.....670
Hilfinger Bros.....670
Hill The E G Co.... I
Hippard E..... V
Hitchings & Co. VI
Holm & Olson.....650
Holton& Hunkel Co.647
Hooker H M Co.....671
Hort Advertiser 659
Hort Trade Journal..660
Hunt E H.....644
Igoe Bros.....IV
Ionia Pottery Co 670
Jacobs S & Sons..... V
Jackson&PerkinsCo.655
Janesville Floral Co.642
Jensen & Dekema...644
Johnston Heating Co671
Journal Des Roses...659
Kaempfer Fred.....IV
Kasting W F..... I
Keller Geo & Son...670
Keller Pottery Co...670
Kellogg Geo M.....650
Kennicott Bros Co..644
Ky Tob Prod Co....671
Kervan Co The.....649
Kessler P.....649
KingConstructionCo V
Kohr A F 670
Koppelman EL & Co662
Kramer F H.....659
Kramer I N & Son..670
Kroeschell Bros Co. 671
Kuehn C A.....647
Kuhl Geo A.....657
Lager & Hurrell.....649
Lange A.....650
Langjahr A H.....649
Lecakes N & Co.....649
Leedle Floral Co....655
Livingston Seed Co. 650 670
LocklandLumb'rCo .V
Lord & Burnham Co. VI
Mathews. Florist....651
McCullough's J M Sons Co.....647
McKellar Chas W...645
McKissick W E.....647
Mayberry & Hoover.650
Mich Cut Flower Ex.642
Miller Theo.....651
Mills the Florist.....650
Moninger J C Co.... V
Moon The Wm H Co.655
Moore Hentz&Nash.649
Morehead Mfg Co...672
Morse C C & Co.....IV
Mosbaek L.....657
Murdoch J B & Co ..647
Murray Samuel.....650
Muskogie Carnation Co.....659
Myers & Co..... 662
Natl FloBd of Trade.649
N Y Cut Flower Ex .649
Niessen Leo Co 647
Niuffer C M.....655
Olbertz J.....647
Pacific Seed Co.....653
Paducah Pottery 670
Palethorpe P R Co..670
Palmer W J & Son..650
Park Floral Co.....650
Pennock Meehan Co646
Perennial Gardens Co IV
Perfection Chem Co.672
Peterson's Nursery..655
Pierson F R Co.. ..I 653
Pierson U Bar Co.... V
PittsburgCut Flo Co.647
Pittsburg Florist Ex .647
Poehlmann Bros Co. 641 644
Pollworth C C Co....650
Quaker City Machine Works..... V
Randall A L Co.....651
Raynor J J.....649
Rawson WW & Co.. IV
ReadyRefer'nceAdv.663
Reed & Keller IV
Regan Print House..659
Reinberg Peter..... .....643 644 657
Rice Bros.....642
Rice James H Co....671
Robinson H M & Co.642
Roehrs Julius Co.....651
Sander & Son 649
Scharff Bros.....657
Scheepers John & Co652
Schillo Adam.....662
Schultheis Anton....654
Schulz Jacob.....651
Seligman Jno.....649
SharpPartridge&Co.672
Sheridan W F.....649
Shippensburg FloCo.659
Siebrecht & Son.....649
Sinner Bros. 644
Situations & Wants..639
Skidelsky S S.....659
Smith Nathan & Son.655
Smith W & T Co.... I
Smits Jacs.....655
Sprague Smith Co...671
Staer J.....653
Standard Pump & Engine Co..... VI
Stearns Lumber Co.. VI
Stenzel Glass Co....672
Stern J & Co.....662
Stokes Seed Store...652
Stoothoff H A & Co.672
Storrs & Harrison Co655
Styer J J.....653
Syracuse Pottery Co.670
Taylor F G Seed Co.IV
Thompson J D Carnation Co..... I
Thorburn J M & Co.IV
Totty Chas H 649
Traendley & Schenck649
VanHoutte PereSons659
Vaughan & Sperry...644
Vaughan's Seed Store .....I 653 659
Vick & Hill Co.....655
Vick's Sons Jas..... IV
Vincent R Jr & Son..660
Virgin U J.....650
Weber F C.....650
Weber H & Sons....660
Weeber & Don.....IV
Weiland & Risch....644
Welch Bros..... 647
Whilldin Pot Co.....670
Wietor Bros..... II 645
Wild Gilbert H.....655
Wilson Andrew 671
Wilson Robt G.....650
Winandy Bros V
WintersonEF Co....644
WittboldGeo Co.645 657
Wolf John.....657
Wood Bros.....660
Woods H.....642
Young A L & Co....649
Young Thos.....649
Zech & Mann.....644



CHEAPEST AND BEST.

If you doubt it try them and be convinced. Send for descriptive price circular.

J. D. Carmody, Evansville, Ind.

Please mention the American Florist when writing.

MYERS & CO.
BUILDERS OF
Modern Greenhouses
HEATING
BOILERS.
1122 Betz Bldg.,
PHILA., PA.

Please mention the American Florist when writing.

—THE—
Florists' Hail Association

Insures over 23,000,000 square feet of glass. for particulars address

JOHN G. ESLER, Sec'y, SADDLE RIVER, N. J.

Tobacco Dust
FOR FUMIGATING.

It would pay large users of dust to communicate with us and get samples and prices.

Edwin L. Koppelman & Co., 81 PINE STREET, NEW YORK.

Please mention the American Florist when writing.

BE It Known to Ye Our Friends, also the trade in general, that on or about the First of November, A. D., 1906, we will move our business into the very center of the city of Philadelphia,

125 North 10th Street, Above Arch Street.

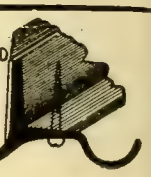
Keep Your "I" on the Enterprising Florists' Supply House of

J. STERN & CO., 1928 Arch St.

Please mention the American Florist when writing.

Use our patent Iron Bench Fittings and Roof Supports.

THE JENNINGS IMPROVED IRON GUTTER.



IMPROVED VAPORIZING PANS
For Tobacco Extracts, etc. Send for Circulars.
DILLER, CASKEY & CO. SUCCESSORS TO JENNINGS BROTHERS,
S. W. Cor. Sixth and Berk Sts., PHILADELPHIA.

VENTILATING APPARATUS.

LUMBER for Greenhouse Benches, Ship Lap, Drop Siding, Sheathing, Flooring, White Cedar Posts, Etc.

We are in special position to furnish **"PECKY CYPRESS"** everything in **PINE** and **HEMLOCK BUILDING LUMBER.** WRITE FOR PRICES.

Adam Schillo Lumber Co. Cor. Weed and Hawthorn St., CHICAGO. Tel. North 1626 and 1627.

Wired Toothpicks
10,000, $1.50: 50,000, $6.25. Manufactured by
W. J. COWEE, BERLIN, N. Y.
Sample free. For sale by dealers.

Ready Reference Advertising.

ADVERTISEMENTS IN THIS DEPARTMENT 10 CENTS PER LINE, CASH WITH ORDER.
COPY MUST REACH US MONDAY OF THE WEEK IN WHICH IT IS TO APPEAR

AGERATUMS.

Ageratums, Stella Gurney, 2¼-in., $2 per 100. Nathan Smith & Son, Adrian, Mich.

ALTERNANTHERAS.

Alternantheras, red and yellow, $2 per 100; $15 per 1,000. R. Vincent, Jr., & Son, White Marsh, Md.

ALTHEAS.

Althea Edward Bellamy, best double white, 2 to 3 feet, to close out, $5 per 100; $40 per 1,000. The E. Y. Teas Co., Centerville, Ind.

ARAUCARIAS.

Araucaria Excelsa, 6-in., 18 ins., 4 whls., $1.25 each; $15 per doz. 7-in., 22 ins., 5 whls., $1.50 each; 18 per doz. Glauca, 5-in., 12 ins., 3 whls., $1 each; $12 per doz. 6-in., 13 to 15 ins., 3 to 4 whls., $1.25 each; $15 per doz. 7-in., 18 to 20 ins., 4 to 5 whls., $1.50 each; $18 per doz. 7-in., 22 to 24 ins., 4 to 5 whls., $2 each; $24 per doz. 9-in., 30 ins., 4 to 5 whls., $3 each. 9-in., 34 ins., 5 whls., $4 each. Robusta Com., 5-in., 10 ins., 2 whls., $1 each; $12 per doz. 6-in., 12 ins., 2 to 3 whls., $1.50 each; $18 per doz. 7-in., 28 ins., 5 whls., $3 each. 8-in., 32 ins., 5 to 6 whls., $4 each. Vaughan's Seed Store, Chicago and New York.

Araucarias, Compacta robusta, 20 to 25 ins., 3 to 4 tiers, 3 to 5 yrs., 6 to 7-in. pots, $1.25, $1.50, $1.75, $2, $2.50, $3 each. Excelsa glauca, 6 to 7-in., 3 to 5 trs., 3 to 4 yrs., 2 to 3 ins., $1.25, $1.50, $1.75, $2, $2.50 each. G. Aschmann, 1012 Ontario St., Philadelphia.

Araucaria Excelsa, 6-in., 3 to 4 tiers, $1 each; $12 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Araucaria excelsa. R. Dreyer, Woodside, L. I., N. Y.

Araucarias. L. Van Houtte Pere, Ghent, Belgium.

ASPARAGUS.

Asparagus Crawshawi, seedlings, $3 per 100; $25 per 1,000; transplanted seedlings, $5 per 100; $40 per 1,000; sample, 10c. James Crawshaw, 403 Plainfield St., Providence, R. I.

Asparagus plumosus, 4½-in., $10 per 100; $1.35 per doz. 4-in. plumosus and Sprengeri, $1.10 per doz.; $8 per 100; $75 per 1,000; 3-in., 65c per doz.; $5 per 100; $45 per 1,000; 2¼-in., 35c per doz.; $2.50 per 100; $22.50 per 1,000. Ludvig Mosbaek, Onarga, Ill.

Asparagus plumosus, 2-in., $3 per 100; $25 per 1,000. 2½-in., $4 per 100; $40 per 1,000; 3-in., $7 per 100; $65 per 1,000. Strong seedlings, $1.50 per 100; $12 per 1,000. Vaughan's Seed Store, Chicago and New York.

Asparagus plumosus, 2¼-in., $2.50; 3-in., $5; 4-in., $8. Sprengeri, 2¼-in., $2.50; 3-in., $4; 4-in., $6; per 1,000, $55. All strong plants, ready for larger pots. Goshen Floral Co., Goshen, Ind.

Asparagus plumosus, 2-in., $3 per 100; 3-in., $6. Sprengeri, 2-in., $3 per 100; 3-in., $6; 4-in., $1.25 per doz.; 5-in., $2. George Wittbold Co., 1657 Buckingham Pl., Chicago.

Asparagus plumosus nanus, 15,000 fine young plants from 2¼-in. pots, worth $3, to close out, $1.50 per 100; $15 per 1,000. The W. T. Buckley Co., Springfield, Ill.

Asparagus plumosus and Sprengeri, 2-in., $3 per 100; $25 per 1,000; from bench, $2.50 per 100; $20 per 1,000. Wm. Clark, Colorado Springs, Col.

Asparagus plumosus, 4-in., Bushy, 10c to 12c. Sprengeri, 4-in., 10c. G. Aschmann, 1012 Ontario St., Philadelphia.

Asparagus plumosus, 3-in., $5 per 100. Sprengeri, 3½-in., $6 per 100. Scharff Bros., Van Wert, O.

Asparagus plumosus, 2-in., $2.50 per 100; $20 per 1,000. W. F. Kasting, 383 Ellicott St., Buffalo, N. Y.

Asparagus, strong 2½-in. plumosus plants at $2 per 100. J. W. Munk & Son, Mt. Gilead, Ohio.

Asparagus plumosus, 2¼-in., $2 per 100; $18 per 1,000. Jos. H. Cunningham, Delaware, O.

Asparagus plumosus, 2¼-in., $3; 3-in., $5. W. H. Gullett & Sons, Lincoln, Ill.

Fine Asparagus Robusta Compacta in 4-in. pots, $15 per 100. R. D. Herr, Refton, Pa.

500 Asparagus Sprengeri, 3½-in., $5 per 100. Cash with order. Send for sample. C. V. Wolf, Downers Grove, Ill.

Asparagus Sprengeri, 3½-in., $5 per 100. Plumosus, 3½-in., $6 per 100. Poehlmann Bros. Co., Morton Grove, Ill.

Asparagus Sprengeri, 2½-in., $3 per 100; $25 per 1,000. Field clumps, $6 per 100. J. W. Dunford, Clayton, Mo.

Asparagus Sprengeri, 2-in., $2.50 per 100; plumosus, 2-in., $3 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus Sprengeri, 2½-in., $2 per 100. Byer Bros., Chambersburg, Pa.

ASPIDISTRAS.

Aspidistras, all sizes. Frank Huntsman, Cincinnati, O.

AZALEAS.

Azalea indica, leading varieties, 35c, 40c, 50c, 60c, 75c, $1, $1.25 to $1.50 each. G. Aschmann, 1012 Ontario St., Philadelphia.

Azaleas. L. Van Houtte Pere, Ghent, Belgium.

Azaleas. Jacs Smits, Ltd., Naarden, Holland.

BAY TREES.

Bay trees, fine stock. R. Dreyer, Woodside, L. I., N. Y.

Bay trees, all sizes. Bobbink & Atkins, Rutherford, N. J.

Bay trees. L. Van Houtte Pere, Ghent, Belgium.

BEGONIAS.

Begonias Gloire de Lorraine, 6-in., 50c; 3-in., 20c. Begonia Flambeau, 4-in. pots, 20c. B. Erfordii, 4-in., 15c. G. Aschmann, 1012 Ontario St., Philadelphia.

Begonias, Rex, 3-in., $8; 4-in., $15. Blooming begonias, 3-in., $7.50. Geo. A. Kuhl, Pekin, Ill.

Twelve named varieties Begonia Rex in 3-in. pots, $8 per 100. R. D. Herr, Refton, Pa.

Begonia Rex, 2 and 2½-in., $5 per 100. Geo. M. Emmans, Newton, N. J.

Begonias. L. Van Houtte Pere, Ghent, Belgium.

BOUGAINVILLEAS.

Bougainvilleas, Glabra Sanderiana, 4-in., $20 per 100. Storrs & Harrison Co., Painesville, O.

BOXWOOD.

Boxwood, 12 to 20 ins., 75c per pair; 24 ins., $1 per pair. Pyramids, 3 ft., $2.50 to $3 per pair; 4 ft., $3 to $4; 4 ft. 6 ins., $5; 5 ft., $7. A. Schultheis, College Point, N. Y.

BULBS, ROOTS, TUBERS.

Bulbs, all fall bulbs for florists and seedsmen. Vaughan's Seed Store, Chicago and New York.

Bulbs, lilies, Japan longiflorum, 9 to 10 in., case of 200, $15; multiflorum, 7 to 9 in., case 300, $15; 9 to 10 in., case 200, $17; giganteum, 7 to 9 in., case 300, $18.75; 9 to 10 in., case 200, $21. Lilium candidum, $5 per 100. Narcissus, Paper White grandi., 13 to 15 ctm., case of 1,250, $11.25; dbl. Von Sion., 1st size, $9 per 1,000; extra, $12; mammoth, $20; Princeps, $7 per 1,000; Golden Spur, $18; Empress, $20; Alba plena odorata, $6; Barri con., $8; Poeticus, $4.50; P. ornatus, $7. White Roman hyacinths, 12 to 15 ctm., $23 per 1,000; 13 to 15 ctm., $28. Freesia refracta alba, $7.50 per 1,000. Bermuda Buttercup, oxalis, $7.50. Spanish Iris, mixed, $2.50. Callas, 2-2½ in. diam., $10 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Bulbs, freesias, ¾-in., 85c per 100; $7.50 per 1,000; giant, $1.25 per 100; $10 per 1,000. Tulips, Belle Alliance, $2 per 100; $19 per 1,000; Chrysolora, 85c per 100; $7.75 per 1,000; Fireflame, $1.15 per 100; $10 per 1,000; L'Immaculea, 75c per 100; $6.50 per 1,000; Pottebakker, $1.65 per 100; $15 per 1,000; white and yellow, $1.40 per 100; $12.75 per 1,000; Rosamundi, 95c per 100; $8 per 1,000; Yellow Prince, 95c per 100; $8.50 per 1,000; Duc von Tholl, dbl., 90c per 100; $7.50 per 1,000; La Canduer, $1.40 per 100; $12.75 per 1,000; Murillo, $1.95 per 100; $18 per 1,000; Rex rubrorum, $1.80 per 100; $16.50 per 1,000; Tournesol, $1.80 per 100; $16.50 per 1,000. Perennial Gardens Co., Toledo, O.

Bulbs, white Roman hyacinths, 12x15 ctms., $2.75 per 100; $25 per 1,000; 13x15 ctms., $3.75 per 100; $35 per 1,000; 15 and over, $5 per 100; $45 per 1,000. Tulips in var. W. W. Rawson & Co., 5 Union St., Boston.

Bulbs, home-grown freesias, large size, $1 per 100; $7 per 1,000; blooming size, .75 per 100; $4.50 per 1,000; small blooming size, 50c per 100; $3.50 per 1,000. Stokes Seed Store, 219 Market St., Philadelphia.

Bulbs, L. longiflorum, 7 to 9 ins., $5 per 100; $45 per 1,000; 8 to 10 in., $7 per 100; $68 per 1,000. Hyacinths, tulips, narcissi. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs, Narcissus Empress and Henry Irving, Candidum lilies. E. F. Winterson Co., 45 Wabash Ave., Chicago.

Bulbs, hyacinths, tulips, narcissus, crocus, lilies, freesias. Jas. Vick's Sons, Rochester, N. Y.

Bulbs, Roman hyacinths, 12 to 15, $2.50 per 100. Storrs & Harrison Co., Painesville, O.

Bulbs of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Bulbs of all kinds. Currie Bros. Co., 308 Broadway, Milwaukee, Wis.

Cannas, bronze, discolor, $7.50 per 1,000; $1 per 100. Chas. Henderson, $10 per 1,000; $1.25 per 100. Allemania, $7.50 per 1,000; $1 per 100. Tall F. Vaughan, $10 per 1,000; $1.25 per 100. L. Patry, $10 per 1,000; $1.25 per 100. My selection of above, etc., per 10,000, $60. Ludvig Mosbaek, Onarga, Ill.

Cannas, King Humbert, the finest canna to date, $2.50 per doz. Cash. Tony Toerner, Scio, O.

Cannas, 5 vars., field clumps, $10 per 100. Jos. H. Cunningham, Delaware, O.

Cannas of all vars. Dingee & Conard Co., West Grove, Pa.

Cannas. John Wolf, Ott and Anderson St., Savannah, Ga.

Lily of the valley, Excellenta, per original case of 500, $7. John Sheepers & Co., 2-6 Old Slip, New York.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

If you do not find what you need in our Ready Reference Department, write us about it.

CARNATIONS.

CARNATIONS.

	100	1,000		100	1,000
Pink.			White.		
Fiancee	...$6		B. Market..	$5	$45
Lawson	... 6	$50	F. Burki...	7	60
N. Fisher..	6	60	F. Hill.....	5	45
G. Angel...	4	35	W. Cloud...	5	45
M. Glory...	4	35	Red and Crimson.		
White.			Chicago	...$5	$45
L. Peary...	8	75	H'warden ..	6	50

Wietor Bros.. 51 Wabash Ave., Chicago.

Carnations, highland grown, F. Hill, $4.50 per 100; Crusader, M. A. Patten, $5 per 100; Prosperity, M. Glory, $4 per 100; $35 per 1,000. Glacier, W. Cloud, Harlowarden, Roosevelt, Peru, $3.50 per 100; $30 per 1,000. Crabb & Hunter, Grand Rapids, Mich.

Carnations, field-grown plants, fine healthy stock, Lawson, Crusader, Boston Market, $5 per 100; $45 per 1,000. Mrs. A. M. Schafer, 229 Balmoral Ave., Chicago.

Carnation Victory, field-grown, 1st size, $15 per 100; 2nd size, $12; 3rd size, $10. Guttman & Weber, 43 W. 28th St., New York.

Carnations, Rose Pink Enchantress, rooted cuttings, $7 per 100; $60 per 1,000. S. S. Skidelsky, 824 No. 24th St., Philadelphia.

Carnations, field-grown, B. Market, Nelson, $3 per 100; $25 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

Carnations, Norway, $3 per 100; 100 Wolcott, $5; 100 Bountiful, $5. W. H. Gullett & Sons, Lincoln, Ill.

Carnation Abundance, rooted cuttings ready Jan. 1. R. Fischer Great Nick, L. I., N. Y.

Carnations, White Perfection, 2nd size, $10 per 100. F. Dorner & Sons Co., La Fayette, Ind.

Carnations, 1,500 Norway, $3.50 per 100; $30 per 1,000. J. W. Dunford, Clayton, Mo.

Carnations, field-grown, Crane, $3 per 100. Fine plants. Thos. Salveson, Petersburg, Ill.

Carnations, Lady Bountiful and Phyllis. E. F. Winterson Co., 45 Wabash Ave., Chicago.

Carnation Mabelle, new, $12 per 100; $100 per 1,000. H. Weber & Sons Co., Oakland, Md.

Carnations, potted stock, 6c. Levant Cole, Battle Creek, Mich.

Carnation, Bertha Rath. R. Dreyer, Woodside, L. I., N. Y.

Carnations for fall delivery. Wood Bros., Fishkill, N. Y.

Carnations. J. D. Thompson Carnation Co., Joliet, Ill.

CHRYSANTHEMUMS.

Chrysanthemums, G. of Pacific, Polly Rose, Soleil d'October, Robinson, Ivory, Appleton, Pink Ivory, $3 per 100. J. Jones, Mrs. Robert McArthur, Mrs. Coombes, G. Wedding, Yellow Eaton, Monrovia, $4 per 100. Lady Roberts, A. J. Balfour, Wm. H. Chadwick, $6 per 100. Glenview, $25 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Chrysanthemums, stock plants of the following varieties at $4 per 100: Kalb, Glory of Pacific, Polly Rose, Pink Ivory, White Ivory, Wm. Duckham, Maud Dean, Marie Layer, Dr. Enguehard, A. J. Balfour, Alice Byron, R. Halliday. W. H. & C. B. Newman, Akron, N. Y.

Chrysanthemums, Monrovia stock plants, finest earliest yellow, $1 per doz.; $6 per 100. Clementine Touset, finest earliest, largest white to date, $1.70 per doz.; $12 per 100. Cash with order. Gunnar Tellmann, Marion, Ind.

Chrysanthemums, Monrovia, 75c per doz.; Rosiere, $1.50 per doz.; C. Touset, $1 per doz.; October Frost, $1.50 per doz. Eli Cross, Grand Rapids, Mich

Chrysanthemums, new earlies and novelties. E. G. Hill Co., Richmond, Ind.

Chrysanthemum novelties. Chas H. Totty, Madison, N. J.

Chrysanthemums. Wood Bros., Fishkill, N. Y.

Chrysanthemums. Geo. A. Kuhl, Pekin, Ill.

CLEMATIS.

Clematis, large flower, finest sorts, 2-yr., 12c. Paniculata, 6c. W. H. Salter, Rochester, N. Y.

COBOEA.

Coboea Scandens, 4-in., $8 per 100. Godfrey Aschmann, 1012 Ontario St., Philadelphia, Pa.

COREOPSIS.

Coreopsis Lan., seedlings by mail, 60c per 100; $5 per 1,000. Shippensburg Floral Co., Shippensburg, Pa.

CYCLAMENS.

Cyclamen plants, giganteum strain, seed taken of exhibition stock only, 3-in., $7 per 100, well set with buds. C. Winterich, Cyclamen Specialist, Defiance, O.

Cyclamen, 5-in., 20c; 4-in., 12c. G. Aschmann, 1012 Ontario St., Philadelphia.

Cyclamen, high grade, 3-in., $8; 4-in., $20. Geo. A. Kuhl, Pekin, Ill.

DAHLIAS.

Dahlias, improved Countess of Lonsdale, cactus type, 6 for $1; $1.75 per doz.; $12 per 100. Arthur T. Boddington, 342 W. 14th St., New York.

Dahlia Bargains, 100 mixed all colors, field roots, just as dug, f. o. b. Chicago, $3.75 cash. Michigan Seed Co., South Haven, Mich.

Dahlias, field clumps, 10 varieties, $5 per 100. Cash. McRae-Jenkinson Co., Cheswich, Pa.

DAISIES.

The Transvaal Daisy (Gerbera Jamesoni). The handsomest brilliant scarlet flowered herbaceous plant in existence. Strong field-grown clumps, $12 per 100. Bobbink & Atkins, Rutherford, N. J.

Daisies, Snowball and Longfellow, $2.50 per 1,000; 2,000 for $4.50. Shippensburg Floral Co., Shippensburg, Pa.

Daisies, dbl., leading vars., $2.50 per 1,000. Byer Bros., Chambersburg, Pa.

DEUTZIAS.

Deutzias, in variety. W. & T. Smith Co., Geneva, N. Y.

DRACAENAS.

Dracæna fragrans, 5-in., 50c each; $5 per doz.; D. indivisa, 2-in., $2.50 per 100; 6-in., 20 to 26 ins., 50c each; $5 per doz.; 7-in., 30 to 34 ins., 75c each; $9 per doz. Geo. Wittbold Co., 1657 Buckinham Pl., Chicago.

Dracæna indivisa, field-grown, 5-in., $15 per 100; 6-in., $25 per 100. Storrs & Harrison Co., Painesville O.

Dracæna Bruanti, 30 in., 6-in. pots, 50c each; $5 per doz. G. Aschmann, 1012 Ontario St., Philadelphia.

Dracæna indivisa, 4 and 5 in., $10 and $25 per 100. Geo. M. Emmans, Newton, N. J.

FERNS.

Ferns, Boston and Piersoni, 10-in., $2 each; $20 per doz.; 8-in., $1 each; $10 per doz. Boston, Piersoni, Anna Foster and Sword, 6-in., $5 per doz.; $40 per 100; 4-in., $2 per doz.; $15 per 100; $125 per 1,000; 3-in., $1 per doz.; $8 per 100; $75 per 1,000; 2¼-in., 50c per doz.; $3.50 per 100; $30 per 1,000. Elegantissima, 4-in., $4 per doz.; $30 per 100; 3-in., $2 per doz.; $15 per 100; $125 per 1,000; 2¼-in., $1.25 per doz.; $8 per 100; $70 per 1,000. Ludvig Mosbaek, Onarga, Ill.

Ferns, Boston, 2½-in., 60c per doz.; $5 per 100. 3-in., $1.50 per doz.; $10 per 100. 4-in., $2.50 per doz.; $20 per 100. 5-in., 50c each; $5 per doz.; $40 per 100. 6-in. pans, 75c each; $8 per doz.; $60 per 100. 7-in., $1 each; $10 per doz.; $75 per 100. 8-in., $1.50 each. $15 per doz. 9-in., $2 to $2.50 each. 10-in., $3 to $3.50 each. 12-in., $4 to $5 each. Ferns for dishes, asst., 2¼-in., $3 per 100; $25 per 1,000. Vaughan's Seed Store, Chicago and New York.

Ferns, Barrowsii, 7-in., 75c to $1 each; 6-in., 50c; 5½-in., 40c; 5-in., 35c; 4-in., 25c. Scottii, 8-in., $1.25; 7-in., 75c; 6-in., 50c.; 5½-in., 40c; 4-in., 20c. Elegantissima, 5-in., 30c. Boston, 7-in., 75c; 6-in., 50c; $5 per doz.; 5-in., 30c to 35c; 4-in.,20c. Ferns for dishes, 2½-in., $5 per 100; 3-in., 6c. G. Aschmann, 1012 Ontario St., Philadelphia.

Ferns, Boston, 4-in., $1.50 per doz.; 5-in., $3; 6-in., $4.20; 6-in., strong, $6; 7-in., $9. Large specimens, $1.50, $2, $3 each. Assorted ferns for dishes, $3 per 100; $25 per 1,000. Scottii, 10-in., $2 each. Fern Balls, 7 to 9 dormant or in leaf, $4.20 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Ferns, Boston, strong runners, $2 per 100. Piersoni, 6-in., $40 per 100; 7-in., $60. Scottii, 5-in., $25 per 100; 6-in., $40 per 100; 7-in., $60 per 100. Elegantissima, 2½-in., $5 per 100. Whitmani, young plants from bench, $10 per 100. Davis Bros., Morrison, Ill.

Ferns, Boston and Piersoni, 4-in., 10c; 5-in., 12½c; Boston, 6 and 7-in., 15c; 3-in., 5c; Tarrytown, 3-in., 10c; 4-in., 15c; 6-in., 25c; runners, $2 per 100; Scottii, 3-in., 8c; 4-in., 12½c.; 5-in., 15c. Byer Bros., Chambersburg, Pa.

Ferns, N. Piersoni Elegantissima, 2¼-in. pots, $12 per 100; specimen plants, 6-in., $1 each; 8-in., $2; 10-in., $3; 12-in., $5; 14-in., $7.50; 16-in., $10. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y

Ferns, Piersoni, 6-in., 35c; 5-in., 25c; 4-in., 15c. Boston, 5-in., 25c; 4-in., 15c. Scottii, 5-in., 30c; 4-in., 20c. Anna Foster, 2½-in., 4c. Benj. Connell, West Grove, Pa.

Ferns, Boston, Piersoni, Barrowsii, Scottii, Whitmani, Elegantissima, all sizes. Geo. A. Kuhl, Pekin, Ill.

Ferns, N. Whitmani, 2¼-in., $25 per 100. Boston, 2¼-in., $3 per 100. H. H. Barrows & Sons, Whitman, Mass.

Ferns, Boston, from bench, for 4 and 5-in., $10 and $15 per 100. J. W. Dunford, Clayton, Mo.

Ferns, orders booked now for N. Amerpohlii, Janesville Floral Co., Janesville, Wis.

Ferns, Boston, Piersoni, Elegantissima, Scottii, cheap. W. W. Coles, Kokomo, Ind.

Ferns, Boston, 5-in., 30c each. Piersoni, 6-in., 50c each. Geo. M. Emmans, Newton, N. J.

Ferns, Boston, 5-in., $25; Specimens, 75c and $1. W. H. Gullett & Sons, Lincoln, Ill.

Ferns, Boston, 4 and 5-in. John Wolf, Ott and Anderson St., Savannah, Ga.

Ferns, Scottii, 5-in., $25 per 100. Holton & Hunkel Co., Milwaukee, Wis.

Ferns, A. Hybridum, 2¼-in., $5 per 100. A. Ley & Bro., Langdon, D. C.

Ferns, all leading varieties. R. Dreyer, Woodside, L. I., N. Y.

FICUS.

Ficus elastica, 5-in., 12 to 14 ins., $5 per doz.; $40 per 100. Vaughan's Seed Store, Chicago and New York.

Ficus elastica, 6-in., 50c. G. Aschmann, 1012 Ontario St., Philadelphia.

GERANIUMS.

Geraniums, from 2-in. pots. Alliance, Lemoine, 1905, 25c each; $2 per doz. Fleuve Blanc, $1.50 per doz.; $10 per 100. Cactus, 4 vars., $2 per doz., $15 per 100. Double Dryden, $1 per doz.; $5 per 100. Nutt, La Pilote, Poitevine, Mme. Barney, Centaure, Kendall, Mme. Jaulin, Viaud, Mme. Charotte, 40c per doz.; $2 per 100; $18 per 1,000. Ville de Poitiers, M. de Castellane, Berthe de Presilly, M. Jolly de Bammeville, T. Meehan, 50c per doz.; $3 per 100; $25 per 1,000. R. Vincent, Jr. & Son, White Marsh, Md.

Geraniums, rooted cuttings, Nutt, Perkins, Buchner, Doyle, $1.25 per 100; $12.50 per 1,000. Viaud, Jaulin, Poitevine, L. Francis, Ricard, Castellane, Trego, $1.50 per 100; $15 per 1,000. Peter Henderson, $2 per 100; $20 per 1,000. Fleuve Blanc, $5 per 100; $50 per 1,000. A. M. Herr, Lancaster, Pa.

If you do not find what you need in our Ready Reference Department, write us about it.

Geraniums, S. A. Nutt, Castellane, John Doyle, Perkins, Double Gen. Grant, La Favorite, Poitevine, 2-in. pots, $2 per 100; R. C., $1 per 100. Geo. M. Emmans, Newton, N. J.

Geraniums, unrooted cuttings, S. A. Nutt, $1 per 100, cash. McRea-Jenkinson Co., Cheswick, Pa.

GLOXINIAS.

Gloxinias. L. Van Houtte Pere, Ghent, Belgium.

GREENS.

Greens, dagger and fancy ferns, $1 per 1,000. Bronze and green galax, $1 per 1,000; 10,000 lots, $7.50. Bouquet green, per 100 yds., $7. Laurel festooning, 5c and 6c per yd. Laurel wreaths, $3 per doz.; branch laurel, per bunch, 50c. Boxwood, per lb., 20c. Leucothoe sprays, per 100, $1. Green and Spaghnum moss, $1 per barrel. Lyrata (new). H. M. Robinson & Co., 8 Province St., Boston, Mass.

Greens of all kinds, holly and other wreaths, wreathing, etc. We wish to buy in car lots—holly, mistletoe, southern smilax, needle pine, magnolia, sago and other palm leaves. H. Woods, 127 S. Water St., Chicago.

Greens, galax, leaves, ferns and leucothoe sprays, holly. Princess pine, all kinds of evergreens. Galax leaves, $1 per 1,000. N. Lecakes & Co., 53 W. 28th St., New York.

Greens, cut palmetto and cycas palm leaves, galax, leucothoe, ferns, mosses and all decorating evergreens. The Kervan Co., 20 W. 27th St., New York.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 52 W. 28th St., New York.

Decoration Material, fancy fern leaves, also galax, green sheet moss, etc. Ask for latest price list. Barteldes Seed Co., Denver, Col.

Greens, fancy ferns, $1 per 1,000. Galax, $1.25. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. A. J. Fellouris, 52 W. 28th St., New York.

Greens, Beaven's fadeless sheet moss, $3.50 per bag. Southern wild smilax. E. A. Beaven, Evergreen, Ala.

Greens, Southern wild smilax. Caldwell The Woodsman Co., Evergreen, Ala.

HARDY PERENNIALS.

Hardy perennials, achillea, The Pearl; aquilegia in var.; campanula in var.; Coreopsis; Dianthus plumarius; foxglove; forget-me-not; chrysanthemums, 30 vars.; Shasta daisy; Sweet william and many others, $1 per 100; 15c per doz. Oriental poppy in var.; Monarda Didyma and many others, $1.50 per 100; 20c per doz. Ludvig Mosbaek, Onarga, Ill.

Hardy phlox, 20 best sorts, unliv. clumps, $6 per 100; $55 per 1,000; divisions, $4 per 100; $35 per 1,000. Nathan Smith & Son, Adrian, Mich.

Hardy pinks, field-grown, Essex Witch, M. Gray, Abbottsford, 3½c. Byer Bros., Chambersburg, Pa.

Herbaceous perennials, 967 varieties. Bay State Nurseries, North Abington, Mass.

Phlox, iris, pinks, etc. Vick & Hill, Rochester, N. Y.

Phlox finest, 4c. W. H. Salter, Rochester, N. Y.

HELIOTROPES.

Heliotropes, Czar, Czarina and Picciola, 2¼-in., 4 to 6 ins. high, $2 per 100. Nathan Smith & Son, Adrian, Mich.

HIBISCUS.

Hibiscus Syriacus Meehani. P. J. Berckmans Co., Inc., Augusta, Ga.

HOLLYHOCKS.

Hollyhocks, red and mix., seedlings, 60c per 100 by mail; $5 per 1,000. Shippensburg Floral Co., Shippensburg, Pa.

Hollyhocks, dbl., 4 colors, 1-yr., 3c. Byer Bros., Chambersburg, Pa.

HYDRANGEAS.

Hydrangeas, Otaksa and Thos. Hogg, 7-12 crowns, $12 per 100; 5-6, $9 per 100; 4, $7 per 100. Jackson & Perkins Co., Newark, N. Y.

Hydrangea Otaksa, 7 and 8-in., $25 per 100. W. F. Kasting, 383 Ellicott St., Buffalo, N. Y.

Hydrangea otaksa, 6-in., 25c; 7 to 8-in., 50c. G. Aschmann, 1012 Ontario St., Philadelphia.

Hydrangea Pan., $8 per 100. C. M. Niuffer, Springfield, O.

IVY.

Ivy, hardy English, $2 per 100; $15 per 1,000. R. Vincent, Jr. & Son, White Marsh, Md.

JERUSALEM CHERRIES.

Jerusalem cherries, 6-in., from $3 to $6 per doz. G. Aschmann, 1012 Ontario St., Philadelphia.

Jerusalem cherries, 3½-in. in bloom, $4 per 100. J. W. Dunford, Clayton, Mo.

MARANTAS.

Maranta Lietzii, 2½-in., $1 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

MUSHROOM SPAWN.

Mushroom Spawn, pure culture spawn, and importers of English mushroom spawn. Knud Gundestrup & Co., 4273 Milwaukee Ave., Chicago.

Mushroom Spawn, English and pure culture. Weeber & Don, 114 Chambers St., New York.

Mushroom Spawn, frequent importations from England. J. J. Styer, Concordville, Pa.

NURSERY STOCK.

Nursery stock, shade trees, fruit trees, small fruits, shrubs, clematis, Barberry Thunbergii. W. & T. Smith Co., Geneva, N. Y.

Nursery stock, trees and shrubs. Price list on application. Peterson's Nursery, 503 W. Peterson Ave., Chicago.

Calycanthus, sweet shrub, 1½ to 2 feet transplanted, $5 per 100. The E. Y. Teas Co., Centerville, Ind.

Nursery stock, evergreen and deciduous flowering shrubs and vines. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, pot-grown shrubs, conifers and ornamental stock. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, Biota aurea nana, conifers, oranges, etc. P. J. Berckmans Co. (Inc.), Augusta, Ga.

Nursery stock, large trees, oak, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, plants and shrubbery of all kinds. Dingee & Conard Co., West Grove, Pa.

ORCHIDS.

Orchids, C. Dowiana, C. Gigas, C. Mossiæ, C. Percivaliana, C. speciosissima, C. Eldorado, C. superba, C. labiata, C. Leopoldii. Lager & Hurrell, Summit, N. J.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England; New York office, room 1, 235 Broadway.

Orchids, imported seedlings. Julius Roehrs Co., Rutherford, N. J.

PALMS.

Palms, Cocos, 2½-in., $2 per doz.; C. Bonetti, specimens, $40 each. Kentia Bel., 3-in., $2 per doz.; 6-in., $1.25 each, $15 per doz.; Kentia Fors., 6-in., $1.25 each, $15 per doz.; 7-in., $2, 2.50 and $3 each, $24 per doz. Phœnix Can., 2-in., $1 per doz.; 10-in., $3 each; large specimens. Phœnix Recli, 3½-in., $2 per doz.; 4-in., $3 per doz.; 6-in., 50c each, $6 per doz.; 7-in., 75c each. Latania Bor., 3-in., $1.50 per doz.; 3½-in., $2; 4-in., $3; 5-in., $5; 7-in., $12. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Palms, Areca Lutes., 4-in., 3 plts. in pot, 15 in., $3.50 per doz.; $25 per 100; 6-in., 3 plts., 24 to 26 ins., $1 each. Cocos Wed., 2¼-in., 5 to 6 ins., $1.50 per doz.; $10 per 100; $90 per 1,000; 3 in., 8 to 10 ins., $2 per doz.; $15 per 100; $140 per 1,000. Kentia Fors., 6-in., 6 lvs., 24 to 28 ins., $1 each; 6-in., 6 lvs., 28 to 30 ins., $1.25; 6-in., 6 lvs., 30 to 32 ins., $1.50; 7-in., 6 lvs., 34 to 36 ins., $2; 7-ins., 6 lvs., 36 to 40 ins., $2.50; 9-in., 6 lvs., 46 to 48 ins., $3.50; 7-in. tubs, 6 lvs., 48 ins., $4; 12-in., 6 to 7 lvs., 8 to 10 ft., $15. Made-up, 9-in., 4 plts. in pot, 3½ ft., $4 each; 9-in. tubs, 4 plts., 4 ft., $5; 12-in., 4 plts., 6½ to 7 ft., $15; 13-in., 4 to 6 plts., 5½ to 6 ft., bushy, $15. Bel., 6-in., 6 lvs., 20 to 24 ins., $1 each; 6-in., 6 lvs., 24 to 26 ins., $1.25; 6-in., 6 to 7 lvs., 26 to 28, $1.50; 7-in., 6 to 7 lvs., 34 to 36 ins., $2.50; 9-in. tubs, 6 to 7 lvs., 48 ins., heavy, $7.50. Latania Borb., 6-in., 6 to 8 lvs., heavy, $10 per doz.; $75 per 100. Livistona Rotundifolia, 4-in., $4 per doz.; $30 per 100. Phœnix Can., 2½ ft., $2 each; 3½ ft., $3.50; 4 to 4½ ft., $5; 4½ to 5 ft., $6. Phœnix Roebelenii, 4-in., 10 ins., $1 each; 5-in., 12 ins., $1.25; &-in., 18 ins., $3.50. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Palms, Kentia Fors., 7-in., made-up, 4 plts. in pot, 22 to 25 ins., $2 each; 6-in., single plants, 35 to 40 ins., 5 to 6 lvs., $1.25 to $1.50 each; 6-in., 30 to 35 in., 5 lvs., $1; 5½-in., 25 to 30 ins., 5 lvs., 75c; made-up, 3 and 4-in., 18 to 20 ins., 25c to 30c. Cocos Wed., 15c. Areca Lutescens, 5-in., 24 ins., made-up, 3 plts., 35c; 4-in pots, 20 to 24 ins., 3 plts., 25c. Areca Sapida, 25 ins., $1 each. G. Aschmann, 1012 Ontario St., Philadelphia.

Palms, Phoenix Can., 4-in., $10 per 100. Ludvig Mosbaek, Onarga, Ill.

Palms of all kinds. R. Dreyer, Woodside, L. I., N. Y.

Palms. P. J. Berckmans Co. (Inc.), Augusta, Ga.

Palms. L. Van Houtte Pere, Ghent, Belgium.

PANSIES.

Pansies, International, English prize, Parisian, Giant, Trimardeau, Odier, $3 per 1,000; 100 by mail, 50c. F. A. Baller, Bloomington, Ill.

Pansies, best mix., $2.50 per 1,000; 2,000 for $4.50. Shippensburg Floral Co., Shippensburg, Pa.

Pansies, $3 per 1,000; 50c per 100. Jos. H. Cunningham, Delaware, O.

Pansies, giant prize, mixed colors, $3 per 1,000. Peter Brown, Lancaster, Pa.

Pansies, giant, $3 per 1,000. Byer Bros., Chambersburg, Pa.

PEONIES.

Peonies, choice kinds, Festiva Maxima, Felix Crousse, Queen Victoria, etc., at lowest rates. Fine mixed sorts, $5 per 100. The E. Y. Teas Co., Centerville, Ind.

Peonies, 7-yr. clumps, 15 to 30 eyes, 50c each. Chicago Carnation Co., Joliet, Ill.

Peonies, Queen Victoria, $9 per 100. Festiva Maxima, $30 per 100; Fragrans, $6 per 100. G. H. Wild, Sarcoxie, Mo.

Peony Queen Victoria, 3 to 6 eye divs., $10 per 100; $90 per 1,000. Storrs & Harrison Co., Painesville, O.

Peonies, 20 finest sorts. While surplus lasts, 6c. List free. W. H. Salter, Rochester, N. Y.

Peonies, 6 choice kinds, all colors, $8 per 100; $75 per 1,000. F. A. Baller, Bloomington, Ill.

Peonies. Wholesale grower of the best varieties. J. F. Rosenfield, West Point, Neb.

Peonies a specialty. Peterson Nursery, 503 W. Peterson Ave., Chicago.

Peonies, all vars. Jacs Smits, Ltd., Naarden, Holland.

Peonies. W. & T. Smith Co., Geneva, N. Y.

PEPPERS.

Peppers, full of fruit, 4-in., $12 per 100. Storrs & Harrison Co., Painesville, O.

If you do not find what you need in our Ready Reference Department, write us about it.

Peppers, Celestial or Xmas., 4-in., $1.25 per doz.; $10 per 100, 5-in., $2 per doz.; $15 per 100. Vaughan's Seed Store, Chicago and New York.

POINSETTIES.

Poinsettias, 3-in., $8; 4-in., $12.50; 6-in., 50c each. Geo. A. Kuhl, Pekin, Ill.

Poinsettias, 2½-in., $4 per 100. Storrs & Harrison Co., Painesville, O.

PRIMULAS.

Primroses, Chinese, 2½-in., $5; 3-in., $8; 4-in., $12.50. Obconica, 2½-in., $5; 3-in., $8. Baby, 3-in., $8. Geo. A. Kuhl, Pekin, Ill.

Primroses, obconica alba and rosea, $1.50 per 100; $12 per 1,000. Jos. H. Cunningham, Delaware, O.

Primula obconica, alba, rosea, 2-in., $1.50 per 100. Shippensburg Floral Co., Shippensburg, Pa.

Primroses, Chinese, 4-in., $8 per 100. G. Aschmann, 1012 Ontario St., Philadelphia.

Primrose, Baby, 2½-in. pots, 4c each. The Dingee & Conard Co., West Grove, Pa.

Primroses, Chinese, 2-in., 1½c. Byer Bros., Chambersburg, Pa.

Primroses, old fashion double White, 8c. Levant Cole, Battle Creek, Mich.

Primula obconica, 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

PRIVET.

Privet, California, the best. R. Dreyer, Woodside, L. I., N. Y.

RHODODENDRONS.

Rhododendrons. Jacs Smits, Ltd., Naarden, Holland.

ROSES.

Roses, Baby Rambler, 1st size, 2 yr., $3 per doz.; $25 per 100; $200 per 1,000. 2nd size, 2 yr., $2.50 per doz.; $20 per 100; $150 per 1,000; 1st size, 1 yr., $2 per doz.; $15 per 100; $120 per 1,000. Pot-grown, 4-in., $3 per doz.; $20 per 100. 5-in., $5 per doz.; $40 per 100. 6-in., $6 per doz., $50 per 100. Etoile de France, 1-yr., dormant, $2 per doz.; $15 per 100. Richmond, 3-in., $8 per 100; $75 per 1,000; 4-in., $12 per 100; $100 per 1,000. Killarney, 3-in., $8 per 100; $75 per 1,000; 4-in., $12 per 100; $100 per 1,000. Vaughan's Seed Store, Chicago and New York.

Roses, 2-yr., field-grown, hybrid perpetuals, $10 and $12 per 100; Crimson Rambler, $9 per 100; Dorothy Perkins, $7 per 100. Lady Gay, 2½-in. pots only. Jackson & Perkins Co., Newark, N. Y.

Rose, Queen Beatrice, finest forcing pink, to be disseminated spring of 1907. F. H. Kramer, 916 F St., N. W., Washington, D. C.

Roses, from 2½-in. pots, Ivory, G. Gate, Bride, Maid, Chatenay. Mrs. J. W. Crouch, 709 Market St., Chattanooga, Tenn.

Roses, C. Soupert, Marie Pavie, C. Rambler, Dorothy Perkins, P. J. Berckmans Co. (Inc.), Augusta, Ga.

Roses, Magna Charta, 2-yr., field-grown, $12 per 100. Storrs & Harrison Co., Painesville, O.

Roses, Dorothy Perkins, strong field plants, $7 per 100. The E. Y. Teas Co., Centerville, Ind.

Roses, strong 3-in., Bride and Maid, $4; 2½-in., $2. W. H. Gullett & Sons, Lincoln, Ill.

Roses, over 1,000 vars. on own roots, all sizes. Dingee & Conard Co., West Grove, Pa.

Roses, 2-yr., Crimson Rambler, $10 per 100. C. M. Niuffer, Springfield, O.

Roses, 4-in. pots. Muskogee Carnation Co., Muskogee, Ind. Ter.

Roses, field-grown for forcing. W. & T. Smith Co., Geneva, N. Y.

Roses, 101 sorts. Leedle Floral Co., Springfield, O.

Roses, from 3-in. pots. Wood Bros., Fishkill, N. Y.

Roses, climbing plants. Jacs Smits, Ltd., Naarden, Holland.

SANSEVIERIAS.

Sansevieria Zey., 4 to 5-in., $15; 3-in., $8 per 100. Ludvig Mosbaek, Onarga, Ill.

SEEDS.

Seeds, palm, Kentia Fors., K. Bel., $1.25 per 1,000. Canterburyana, $3 per 1,000. Moorei, $12 per 1,000. Areca Baueri, $1 per 1,000. Seaforthia elegans, 50c per 1,000. Livistona australis, 50c per 1,000. Bacularia monostachya, $1.50 per 1,000. Gymnostachys anceps, $2 per 1,000. Calamus Muelleri, $1.50 per 1,000. Tree seeds, Castanospermum australe, $5 per 1,000. Araucaria excelsa, $1.25 per 1,000. J. Staer, Wahroonga, N. S. W., Australia.

Seeds, Asparagus, A. plumosus nanus, Northern greenhouse grown seed, 100 seeds, 60c; 250 seeds, $1.25; 1,000 seeds, $4.50. Southern greenhouse grown, 1,000 seeds, $2.50; 5,000 seeds, $10. A. plumosus robustus, 100 seeds, $1; 1,000 seeds, $9. Decumbens, 100 seeds, 50c; 1,000 seeds, $4. Comorensis, 100 seeds, $1; 1,000 seeds, $7.50. Cash discount 2 per cent. Vaughan's Seed Store, Chicago and New York.

Seeds, sweet peas, Earliest White, per pkt. (40 seeds), 25c; 5 pkts., 75c net. ½ size pkts., 15c; 2 pkts., 25c; 10 pkts., 75c. Burpee's Earliest of All, per oz., 10c; ¼ lb., 30c; per lb., $1. W. Atlee Burpee & Co., Philadelphia.

Seeds, L. C. Nungesser, Griesheim near Darmstadt, Germany, exporter and importer. Specialties: Selected grass and clover seeds, alfalfa of Provence and Turkestan; free from dodder and cuscuta. Crimson clover.

Seeds, Suhr's genuine Danish Cauliflower, Dwarf Erfurter and Danish Giant; Cabbage, Danish Ball Head. Wholesale only. Write for particulars. E. Suhr, Copenhagen, Denmark.

Seeds, cineraria, large fld., mixed and semi-dwf. mixed, tr. pkt., 50c. Pansy mixed, oz., $4.50; ¼-oz., $1.15; ⅛-oz., 60c. W. C. Beckert, 103 Federal St., Allegheny, Pa.

Seeds, mignonette, New York Market. Sweet peas, pink and white. Tomato, The Don, Stirling Castle. Weeber & Don, 114 Chambers St., New York.

Seeds, Araucaria imbricata, $10 per 1,000. Funtumia elastica, $5 per 1,000. Jules Van Mol, rue Goffart 27, Brussels, Belgium.

Seeds, all kinds, specialties, onion, carrot, lettuce, sweet peas. Pacific Seed Growers' Co., 109 Market St., San Francisco.

Seeds, cabbage and cauliflower. Hjalmar Hartmann & Co., 12 Stormgade, Copenhagen, 31 Barclay St., New York.

Seeds, Asparagus plumosus, per oz., $1; per lb., $14; 5 lbs., $55; 10 lbs., $100. F. G. Taylor Seed Co., Glendale, Cal.

Seeds, Hollyhock, Myosotis, Pansies, all seeds. Hasslach & Roumanille, seed growers, St. Remyde Provence, France.

Seeds, all kinds of vegetable and flower seeds. C. C. Morse & Co., 171 Clay St., San Francisco.

Seeds, Asparagus plumosus, $3.50 per 1,000 seeds. J. M. Thorburn & Co., 33 Barclay St., New York.

Seed, Pandanus utilis, $6 per 1,000 seeds. J. M. Thorburn & Co., 33 Barclay St., New York.

Seeds, 5,400 acres of garden seeds in cultivation. Braslan Seed Growers' Co., San Jose, Cal.

Seeds of all kinds. Stokes Seed Store, 219 Market St., Philadelphia.

Seeds of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Seeds, Snowball cauliflower. R. Wiboltt, Nakskov, Denmark.

Seed, Asparagus Comorensis, 50c per 100. R. D. Herr, Refton, Pa.

Seeds. W. Atlee Burpee Co., Philadelphia, Pa.

SELAGINELLAS.

Selaginella Denticulata, 3-in., $1 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

SMILAX.

Smilax, 2-in., strong, $1 per 100; $9 per 1,000. C. Humfeld, Clay Center, Kan.

Smilax, 3-in., $4 per 100; $35 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Smilax, $2 per 100; $15 per 1,000. R. Vincent, Jr. & Son, White Marsh, Md.

Smilax, 3-in., $2.50; 2¼-in., $2. W. H. Gullett & Sons, Lincoln, Ill.

Smilax. Wood Bros., Fishkill, N. Y.

SPIREAS.

Spirea Van Houttei. W. & T. Smith Co., Geneva, N. Y.

Spireas. Jacs Smits, Ltd., Naarden, Holland.

STEVIAS.

Stevia, fine large plants, 6-in., 20c; 7-in., 25c; 8-in., 30c. Thos. Salveson, Petersburg, Ill.

VERBENAS.

Verbenas, 60 named vars., Rooted cuttings, 75c per 100; $6 per 1,000. Plants, $2.50 per 100; $20 per 1,000. J. L. Dillon, Bloomsburg, Pa.

VINCAS.

Vinca Minor, Hardy periwinkle, good clumps, $1.50 per 100; $10 per 1,000. The E. Y. Teas Co., Centerville, Ind.

Vinca Var., rooted cuttings, $1 per 100; $7.50 per 1,000. Holton & Hunkel Co., Milwaukee, Wis.

Vinca Var., 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

Vinca Var., from field, $5 per 100. Jos. H. Cunningham, Delaware, O.

VIOLETS.

Violets, Gov. Herrick, new single violet, good keeper; rooted cuttings, $2 per doz.; $10 per 100; $75 per 1,000; 5,000 or more, $60 per 1,000. H. R. Carlton, Willoughby, O.

Violets, California, large clumps, $5 per 100. J. W. Dunford, Clayton, Mo.

Violets. Wood Bros., Fishkill, N. Y.

WISTARIAS.

Wistaria Magnifica, 3-yr., strong, $3 per 100. The E. Y. Teas Co., Centerville, Ind.

WHOLESALE CUT FLOWERS.

Commission Dealers.

Allen, J. K., 106 W. 28th St., New York.

Amling, E. C., 32-36 Randolph St., Chicago.

Berning, H. G., 1402 Pine St., St. Louis.

Cleveland Cut Flower Co., 215 Huron road, Cleveland, O.

Deamud, J. B., Co., 51 Wabash Ave., Chicago.

Flower Growers' Market, 60 Wabash Ave., Chicago.

Ford Bros., 48 W. 28th St., New York.

Froment, Horace E., 57 W. 28th St., New York.

Guttman, Alex. J., 43 W. 28th St., N. Y.

Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Henshaw, A. M., 52 W. 28th St., New York.

Horan, Edward C., 55 W. 28th, N. Y.

Hunt, E. H., 76 Wabash Ave., Chicago.

Kennicott Bros. Co., 40-44 Randolph St., Chicago.

Kessler, Phil. F., 55 W. 26th St., N. Y.

Kuehn, C. A., 1122 Pine St., St. Louis.

Langjahr, Alfred H., 55 W. 28th St., New York.

McCullough's Sons Co., J. M., 316 Walnut St., Cincinnati, O.

McKellar, Chas. W., 51 Wabash Ave., Chicago.

McKissick, W. E., 1221 Filbert St., Philadelphia.

Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Murdoch, J. B. & Co., 545 Liberty Ave., Pittsburg, Pa.

If you do not find what you need in our Ready Reference Department, write us about it.

N. Y. Cut Flower Ex., Coogan Bldg., 6th Ave. and W. 26th St., New York.

Niessen Co., Leo, 1217 Arch St., Phila.

Pennock-Meehan Co., 1608-18 Ludlow St., Philadelphia.

Pittsburg Cut Flower Co., Ltd., 504 Liberty Ave., Pittsburg, Pa.

Pittsburg Florists' Exchange, 217-223 Diamond St., Pittsburg, Pa.

Pollworth, C. C. Co., Milwaukee, Wis.

Randall, A. L. Co., 19 Randolph St., Chicago.

Raynor, John I., 49 W. 28th St., N. Y.

Rice Bros., 128 N. 6th St., Minneapolis, Minn.

Seligman, John, 56 W. 26th St., N. Y.

Sheridan, Walter F., 39 W. 28th St., New York.

Traendley & Schenck, 44 W. 28th St., New York.

Vaughan & Sperry, 58-60 Wabash Ave., Chicago.

Welch Bros., 226 Devonshire St., Boston.

Winterson, E. F. Co., 45-49 Wabash Ave., Chicago.

Young, A. L. & Co., 54 W. 28th St., New York.

Young, Thos., 43 W. 28th St., N. Y.

Zech & Mann., 51 Wabash Ave., Chicago.

Growers.

Bassett & Washburn, 76-78 Wabash Ave., Chicago.

Benthey-Coatsworth Co., The, 35 Randolph St., Chicago.

Bruns, H. N., 1409-1411 W. Madison St., Chicago.

Budlong, J. A., 37-39 Randolph St., Chicago.

Chatogue Greenhouses, Mobile, Ala.

Elliott, W. H., Brighton, Mass.

Hill, The E. G. Co., Richmond, Ind.

Jensen & Dekema, 674 W. Foster Ave., Chicago.

Muskogee Carnation Co., Muskogee, I. T.

Peacock Dahlia Farms, Atco, N. J.

Poehlmann Bros. Co., 35-37 Randolph St., Chicago.

Reinberg, Peter, 51 Wabash Ave., Chicago.

Sinner Bros., 60 Wabash Ave., Chicago.

Weiland & Risch, 59 Wabash Ave., Chicago.

Wietor Bros., 51 Wabash Ave., Chicago.

Wilcox, J. F., Council Bluffs, Iowa.

Wittbold, Geo. Co., 1657 Buckingham Place, Chicago.

RETAIL CUT FLOWERS.

Atlanta Floral Co., 41 Peachtree St., Atlanta, Ga.

Bertermann Bros. Co., 241 Massachusetts Ave., Indianapolis, Ind.

Breitmeyer's Sons, John, cor. Miami and Gratiot Aves., Detroit, Mich.

Cooke, George H., Connecticut Ave. and L St., Washington, D. C.

Daniels & Fisher, Denver, Col.

Donohoe, W. H., 2 W. 29th St., N. Y.

Eyres, H. G., 11 N. Pearl St., Albany, N. Y.

Gude, A. & Bro., 1214 F St., Washington, D. C.

Hansen, Mrs. M. A., Galveston, Tex.

Hauswirth, P. J., Audit. Annex, Chi.

Hess & Swoboda, 1415 Farnum St., Omaha, Neb.

Holm & Olson, St. Paul, Minn.

Kellogg, Geo. M., 906 Grand Ave., Kansas City, Mo.; also Pleasant Hill, Mo.

Lange, A., 40 E. Madison St., Chicago.

Livingston Seed Co., Columbus, O.

Matthews, 16 W. 3rd St., Dayton, O.

Mayberry & Hoover, 1339 14th St., N. W., Washington, D. C.

Miller, Theo., 4832 Delmar Blvd., St. Louis, Mo.

Mills The Florist, 36 W. Forsyth St., Jacksonville, Fla.

Murray, Samuel, Coates House Con., 1017 Broadway, Kansas City, Mo.

Park Floral Co., The, Denver, Col.

Palmer's, Buffalo, N. Y.

Schulz, J., 644 4th Ave., Louisville, Ky.

Virgin, Uriah J., 833 Canal St., New Orleans, La.

Weber, Fred C., 4320-28 Olive St., St. Louis, Mo.

Wilcox, J. F., Council Bluffs, Iowa.

Wilson, Robt. G., Fulton St. and Greene Ave., Brooklyn, N. Y.

BOILERS.

Boilers, improved greenhouse boilers, made of best material; shell firebox sheets and heads of steel; water space all around (front, sides and back). Kroeschell Bros. Co., 45 Erie Street, Chicago.

Boilers, Gurney heaters, heat by steam or hot water. Gurney Heater Mfg. Co., 111 5th Ave., New York; 74 Franklin St., Boston.

Boilers, the Burnham boilers, made for greenouse heating. Lord & Burnham Co., 1133 Broadway, New York.

Boilers, corrugated, fire box and sectional, greenhouse heating. Hitchings & Co., 1170 Broadway, New York.

Boilers, boilers of high grade for greenhouses. Steam and hot water. Giblin & Co., Utica, N. Y.

Boilers of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Boilers, water tube steam boilers. King Construction Co., N. Tonawanda, N. Y.

Boilers, write for prices. Johnston Heating Co., 1133 Broadway, N. Y.

Boilers, Myers & Co., 1122 Betz Bldg., Philadelphia.

BOXES.

Cut Flower Boxes, ivy green finish, full assortment. Lots of 500 with printing no extra charge. Ask for sample. The Barteldes Seed Co., Denver, Col.

Cut Flower Boxes, water-proof; corner lock style. No charge for printing on orders above 250 boxes. Livingston Seed Co., Columbus, O.

Cut Flower Boxes; send for prices. Edwards Folding Box Co., Philadelphia, Pa.

BUILDING MATERIAL.

Building material, lumber for greenhouse benches. Ship lap, drop siding, sheathing, flooring, white cedar posts, etc. We are in special position to furnish "Pecky Cypress"; everything in pine and hemlock building lumber. Adam Schillo Lumber Co., cor. Weed and Hawthorne Sts., Chicago.

Building Material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouses and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building Material, cypress sash bars, Tennessee red cedar posts, pecky cypress benches, hotbed sash and frames, ventilating apparatus, pine, fittings and all supplies needed in new or reconstruction work. Foley Mfg. Co., 471 W. 22d St., Chicago.

Building Material. Our designs embody best features of greenhouse construction. Best grade gulf cypress used. Red cedar posts, iron fittings, hotbed sash. Lockland Lumber Co., Lockland, Ohio.

Building Material, cypress sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 111-125 Blackhawk St., Chicago.

Building Material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 617 Sheffield Ave., Chicago.

Building Material for U-Bar greenhouses. Pierson U-Bar Co., Metropolitan Bldg., 4th Ave. and 23d St., N. Y.

Building Material of all descriptions, cold frames, hotbed sash, etc. Lord & Burnham Co., 1133 Broadway, N. Y.

Building Material, cold frames, hotbed sash of every description. Hitchings & Co., 1170 Broadway, New York.

Greenhouse materials of all kinds for greenhouse heating. Johnston Heating Co., 1133 Broadway, New York.

Building material of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Building Material of all kinds. S. Jacobs & Sons, 1365-79 Flushing Ave., Brooklyn, N. Y.

CUT FLOWER HOLDER.

"Japana" flower holder, 4½-in., 50c; 3½-in., 35c; 2½-in., 25c. M. V. Garnsey, 131 So. Waiola Ave., La Grange, Ill.

FERTILIZERS.

A sample 100-lb. bag of BLATCHFORD'S PLANT GROWER AND LAND RENOVATOR FERTILIZER only $2.75. It is composed solely of pure Rose Growers' Bone Meal, Nitrate of Soda, Peruvian Guano, Sulphate of Ammonia, Sulphate of Potash and Gypsum, in the correct proportions. For benches and potting plants, roses, carnations, lilies, 'mums, etc., it has never been surpassed. Address

THE BARWELL AGRICULTURAL WORKS, WAUKEGAN, ILL.

Est. at Leicester, England, in 1800.

Wizard Brand pulverized sheep manure. The Pulverized Manure Co., 32 Exchange Ave., Chicago.

GLASS.

Glass importers and jobbers; greenhouse glass a specialty. Window glass. James H. Rice, corner Michigan, St. Clair and Illinois Sts., Chicago.

Glass, plate and window glass, greenhouse glass a specialty. Sprague-Smith Co., 167-169 Randolph St., Chicago.

Glass, a lot of 16x18 A and B double strength at low price. A. Dietsch Co., 617 Sheffield Ave., Chicago.

Glass, window glass. Greenhouse glass a specialty. H. M. Hooker Co., 59 W. Randolph St., Chicago.

Glass, French and American "White Rose" brand. Stenzel Glass Co., 2 Hudson St., New York.

Glass, all sizes. Metropolitan Material Co., 1398 Metropolitan Ave., Brooklyn, N. Y.

Glass, all kinds and sizes. Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.

Glass, special greenhouse. G. F. Reynolds, Durhamville, N. Y.

GLAZING POINTS.

Glazing Points, see the point? Holds glass firmly. Peerless glazing points are the best. No rights or lefts. Box of 1,000 points, 75c, postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

GOLD FISH.

Gold Fish, Comets, Japanese Fantails, Fringetails, Telescopes, etc. Fish globes and aquariums. The J. M. McCullough's Sons Co., 316 Walnut St., Cincinnati, O.

Goldfish aquaria and aquarium supplies. Fred. Kaempfer, 88 State St., Chicago.

GREENHOUSE CONSTRUCTION.

Greenhouse Construction, builders of greenhouses for private estates, institutions, parks, etc. Pierson U-Bar Co., Metropolitan Bldg., 4th Ave. and 23d St., New York.

Greenhouse Construction, sash bar greenhouses. New Truss construction and iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse Construction, builders of every type of greenhouses; the most modern designs. Hitchings & Co., 1170 Broadway, N. Y.

Greenhouse Construction, builders of modern greenhouses. Myers & Co., 1122 Betz Bldg., Philadelphia.

GUTTERS.

Gutters, Jennings, improved iron gutters. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

If you do not find what you need in our Ready Reference Department, write us about it.

Gutters, Garland's gutters will keep snow and ice off your glass. A sample of our gutter is on exhibition at Chicago Flower Growers' Market. Geo. M. Garland, Des Plaines, Ill.

Gutters, Lord & Burnham Improved V-shape gutter, with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

Gutters, new duplex gutter, only drip-proof gutter on the market. E. Hippard, Youngstown, O.

INSECTICIDES.

Insecticides, Nicoteen Aphis Punk, 60c per box 12 sheets; $6.50 per case of 12 boxes. Nikoteen Liquid, $1.50 per pint; $13 per case of 10 pints. Nicotine Mfg. Co., St. Louis, Mo.

Insecticides, tobacco paper, 24 sheets, 75c; 144, $3.50; 288, $6.50; 1,725, $35.10. Nico-Fume Liquid, pint, $1.50; ½ gal., $5.50; gal., $10.50; 5 gal., $47.25. Kentucky Tobacco Product Co., Louisville, Ky.

Fumigating Supplies, vaporizing pans for tobacco extract, improved. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

Insecticides, Carman's Antipest insecticide and fungicide, $1.50 per gal. Perfection Chem. Co., Flushing, N. Y.

Wilson's Plant Oil for all kinds of plants. In 4-oz. to 1-gal. sizes. Andrew Wilson, 437 Springfield Ave., Summit, N. J.

Insecticide, Nicoticide, Bug Killer, the best bug killer and bloom saver. P. R. Palethorpe Co., Louisville, Ky.

Fumigating Supplies, tobacco dust for fumigating. Edwin L. Koppelman & Co., 81 Pine St., New York.

Fine, pure tobacco dust $2 per cwt.; $30 per ton. Wm. C. Smith & Co., St. Louis, Mo.

Fumigating Supplies, tobacco powder and stems. The H. A. Stoothoff Co., 116 West St., New York.

LAWN MOWERS.

Lawn Mower. The Clipper lawn mower, No. 1, 12-in., $5; No. 2, 15-in., $6; No. 3, 18-in., $7; No. 4, 21-in., $8. Draft, money order or reg. letter. Clipper Lawn Mower Co., Dixon, Ill.

METAL DESIGNS.

Metal Designs. We carry largest stock in west. Quick service. Western florists like our goods. Barteldes Seed Co., Denver, Col.

Metal signs, send for prices. A. Herrmann, 404-12 E. 34th St., New York.

MISCELLANEOUS.

Engravings, best engravings and illustrations of every description for catalogues. Send for estimates. Globe Eng. & Elec. Co., 427 Dearborn St., Chicago.

Printing, large runs of catalogues a specialty. Write for figures. Regan Printing House, 89-91 Plymouth Place, Chicago.

Florists' overdue accounts and bad debts collected by the National Florists' Board of Trade, 56 Pine St., N. Y.

PAINT, PUTTY, ETC.

Paint, Ideal Greenhouse Lead; Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, N. Y.

Paint, Putty, etc. H. M. Hooker Co., 59 W. Randolph St., Chicago.

Paint, Putty, etc. The Jas. H. Rice Co., 80-82 Wabash Ave., Chicago.

PIPE, FITTINGS, ETC.

Pipe, iron fittings, etc., galvanized iron sash hinges, screw eyes, screw hooks, U bolts, galvanized iron buckles and wires. Fittings for purlin and ridge supports. Foley Mfg. Co., 471 W. 22d St., Chicago.

Iron Fittings, patent iron bench fittings and roof supporters. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

Pipes, valves, fittings of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

A Bargain, 4-in. cast iron pipes, 5 foot lengths at 12c per foot. C. C. Pollworth Co., Milwaukee.

Iron Fittings, etc.; send for prices. Lockland Lumber Co., Lockland, O.

POTS, PANS, ETC.

Pots, standard flower, 1½ in., $2.77 per 1,000; 2-in., $3.33; 2½-in., $3.88; 3-in., $5.27; 3½-in., $6.10; 4-in., $7.77; 4½-in., $10; 5-in., $13.60; 6-in., $22.20; 7-in., $4 per 100; 8-in., $6; 9-in., $8.88; 10-in., $13.33; 12-in., $22.22; 14-in., $38.88; 16-in., $66.66; 20-in., $1.25 each. Azalea pots and bulb pans same price. 2x2½ in. rose pots, $3.50 per 1,000. A. F. Kohr, 1521 N. Leavitt St., Chicago.

Eastern Red Pots, standard. We buy in car lot. You will be pleased with our stock. Ask for price list. Barteldes Seed Co., Denver, Col.

Pots, standard, seed pans, cut flower cylinders, hanging baskets, lawn vases, etc. Hilfinger Bros. Pottery, Ft. Edward, N. Y.

Pots, standard flower pots. The Whildin Pottery Co., Philadelphia, Pa.; Jersey City, N. J.; Long Island City, N. Y.

Pots, before buying write for prices. Geo. Keller & Son, 361-63 Herndon St., near Wrightwood Ave., Chicago.

Pots, red standards, full size and wide bottoms. Detroit Flower Pot Mfy., 490 Howard St., Detroit, Mich.

Pots, pots of all kinds. A. H. Hews & Co., No. Cambridge, Mass.; Long Island City, N. Y.

Pots, red standard, azalea pots. The Keller Pottery Co., 213-223 Pearl St., Norristown, Pa.

Pots, red standard. Paducah Pottery Co., Paducah, Ky.

Pots, all sizes. Ionia Pottery Co., Ionia, Mich.

Pots, Syracuse, red. Syracuse Pottery Co., Syracuse, N. Y.

Pot hangers, Kramer's $1 doz. by exp., $1.25 by mail. I. N. Kramer & Son, Cedar Rapids, Ia.

PUMPING ENGINES.

Pumping Engines, two streams of water for 1 hour cost 2 cents if you use a Standard pumping engine. The Standard Pump & Engine Co., Cleveland, O.

RAFFIA.

Raffia, samples free if you mention the American Florist. Large assortment of colors. R. H. Comey Co., Camden, N. J., 810-24 Washburn Ave., Chicago.

SEED CASES.

Seed cases, Heller's mice proof. W. C. Heller & Co., Montpelier, O.

STEAM TRAPS.

Steam Traps, the Standard return steam trap has no equal for its simplicity of working. E. Hippard, Youngstown, O.

Steam traps, Morehead Return. Morehead Mfg. Co., 1047 Grand River Ave., Detroit, Mich.

SUPPLIES.

Supplies, milkweeds, wire designs, cut wire, all kinds of letters, immortelles, cycas leaves, sheaves of wheat, ribbons, corrugated boxes of all kinds. Henry M. Robinson & Co., 8-11 Province St., Boston, Mass.

Supplies, cape flowers, cycas leaves, metal designs and all florists' supplies. A. Herrmann, 404-12 E. 34th St., New York.

Supplies, importers and manufacturers of florists' supplies. L. Baumann & Co., 78 Wabash Ave., Chicago.

Supplies, importers and manufacturers of florists' supplies. Reed and Keller, 122 W. 25th St., New York.

Supplies, wire designs, etc. The Cleveland Cut Flower Co., 215 Huron road, Cleveland, O.

Supplies and novelties of all kinds. J. Stern & Co., 1928 Germantown Ave., Philadelphia.

Supplies of all kinds. E. F. Winterson Co., 45 Wabash Ave., Chicago.

Supplies, wire designs. Pittsburg Florists' Ex., 228 Diamond St., Pittsburg, Pa.

Supplies, flower baskets, novelties. Riessner Bros., Lichtenfels, Bavaria.

TOOTHPICKS.

Toothpicks, wired, $1.50 per 10,000; $6.25 per 50,000. W. J. Cowee, Mfr., Berlin, N. Y.

VAPORISERS.

Vaporiser, Campbell's Patent Sulphur Vaporiser. Kills all mildews, plant diseases and red spider. No. 1, $5; No. 2, $7.50. Exors R. Campbell, Manchester, England.

VENTILATING APPARATUS.

Ventilators, the Standard ventilating machinery; original machine with self oiling cups, most powerful, least complicated, very compact. E. Hippard, Youngstown, O.

Ventilators, The Advance Ventilating Apparatus. Write for estimates and circulars. The Advance Co., Richmond, Ind.

Ventilators, Evans' Improved Challenge ventilating apparatus. Quaker City Machine Works, Richmond, Ind.

Ventilating Apparatus. Send for circulars. Diller, Caskey & Co., cor. 6th and Berk Sts., Philadelphia.

Ventilating apparatus for every type of greenhouses. Lord & Burnham Co., 1133 Broadway, New York.

Ventilators, hand ventilating, etc. The King Construction Co., N. Tonawanda, N. Y.

Ventilators, ventilating apparatus of all kinds. Hitchings & Co., 1170 Broadway, New York.

Ventilators, New Departure ventilating appliance. J. D. Carmody, Evansville, Ind.

WIRE SUPPORTS.

Wire supports, model extension carnation supports, galvanized wire rose stakes, tying wires, single and double pot hangers. Igoe Bros., 63 Metropolitan Ave., Brooklyn, N. Y.

FUMIGATION METHODS

By PROF. W. G. JOHNSON

Formerly State Entomologist of Maryland

A Practical Treatise and timely work on cheap and effective means of destroying insect pests and other vermin in various places. This work is the outcome of practical tests made by the author, together with the experiences of others, and is one of the most important books published this season and is much needed at this time. It will be of particular interest to

FRUIT GROWERS AND NURSERYMEN owing to the widespread prevalence of the notorious San Jose scale. Hydrocyanic acid gas is the only practical remedy for the destruction of this pest and is being used more extensively than ever before by nurserymen and fruit growers. The perfection of the apparatus for fumigating young orchard trees is outlined in this work. The methods can be easily applied in orchards and nurseries for many dangerous pests at very small cost. The writer is considered the best authority on this subject in this country and has left nothing undone to make this the most complete work of the kind ever published.

GARDENERS AND FLORISTS have found that vegetables and flowers cannot be grown under glass without frequent fumigation for the destruction of insect pests. Hydrocyanic acid gas has solved this problem. The methods of procedure are fully described and every detail is given for generating and applying the gas.

MILLERS AND GRAIN DEALERS have been looking forward to the publication of this work, as hydrocyanic acid gas has been found one of the most important materials for clearing mills and warehouses of insects. The subject of carbon bisulphide for fumigating mills and elevators containing grain in storage is also thoroughly considered. To this trade the work is indispensable and transportation companies have found it of great value for the fumigation of cars, ships and other inclosures infested with vermin.

FARMERS OF THE COUNTRY have here fully described a simple, easy remedy for gophers, prairie dogs, squirrels and other animals in the ground, and rats and mice in any inclosure.

COLLEGE AND STATION WORKERS will find it an up-to-date reference work on this subject. It is complete in every respect and is the only work of the kind ever published. It is written in a popular non-technical style, profusely illustrated, handsomely bound, covering 250 pages, price, postpaid, $1.00.

AMERICAN FLORIST COMPANY,

324 Dearborn Street, CHICAGO.

If you do not find what you need in our Ready Reference Department, write us about it.

Meetings of Florists' Clubs.

[Secretaries of clubs and societies are requested to send notice of change in date, time and place of meeting.]

BALTIMORE, MD.—Gardeners' Club of Baltimore, Royal Arcanum building, 18 W. Saratoga street. Second and fourth Monday of each month, at 8 p.m. John J. Perry, Secretary, 505 N. Eutaw street.

BOSTON, MASS.—Gardeners' and Florists' Club of Boston, Horticultural Hall. Meets third Tuesday of each month, September to June inclusive. W. N. Craig, Secretary, North Easton, Mass.

BUFFALO, N. Y.—Buffalo Florists' Club, 383 Ellicott street. Second Tuesday of each month, at 8 p m. William Legg, Secretary, 1440 Delaware aveuue, Buffalo.

BUTTE, MONT.—Montana Florists' Club, Columbia Gardens. Second Friday in each month. S. Hansen, Secretary, W. Galena and Excelsior street.

CHICAGO.—Chicago Florists' Club, Handel Hall, 40 Randolph street. Second Thursday of each month, at 8 p. m. Louis Winterson, Secretary, 45 Wabash ave., Chicago.

CHICAGO.—Gardeners' and Florists' Union No. 10615, 10 and 12 Clark Street. Second and fourth Wednesdays of each month A. Vanderpoel, Secretary, 1262 S. Ridgeway Ave., Chicago.

CINCINNATI, O.—Cincinnati Florists' Society, Jabez Elliott Flower Market. Second Saturday of each month, at 8 p.m. George Murphy, Secretary, Sta. F, Cincinnati, O

CLEVELAND, O.—Cleveland Florists' Club, Progress Hall, 244 Detroit street. Second and fourth Monday of each month, at 7:30 p. m. Isaac Kennedy, Secretary, West Park, Ohio.

DAVENPORT, IA.—Tri-City Florists' Club, meets in Davenport, Rock Island and Moline, alternately, second Thursday of each month. H. Meyer, Rock Island, Ill., Secretary.

DAYTON O.—Dayton Florists' Club, 112 South Main street. Every Monday, Horace M. Frank, 112 South Main street Secretary.

DENVER, COLO.—Denver Floral Club, 323 Charles Block. Second and fourth Friday of each month, at 8 p. m. Adam Balmer, Secretary.

DES MOINES, IA.—Des Moines Florists' Club, Iowa Seed Company's store, first and third Tuesday of each month at 8 p m. William Trillow, Secretary. Thirtieth and Kingman Avenue.

DETROIT, MICH.—Detroit Florists' Club, 40 Miami avenue. First and third Wednesday of each month, at 8 p. m. J. F. Sullivan, Secretary, 214 Woodward avenue.

GRAND RAPIDS, MICH.—Grand Rapids Florists' Club, Board of Trade rooms, Pearl street. Fourth Monday of each month. N. B. Stover, Secretary, Grandville. Mich.

HAMILTON, ONT.—Hamilton Gardeners' and Florists' Club, offices of members. First and third Tuesday of each month, at 8 p. m. Charles M. Webster, Secretary.

HARTFORD, CONN.—Hartford Florists' Club. Second and fourth Friday of each month, at 8 p.m. Alex. Cummings, Secretary, Hartford.

INDIANAPOLIS, IND.—State Florists' Association of Indiana, Commercial Club rooms, Indianapolis. First Tuesday of each month, at 7:30 p. m. Fred Huckriede. Secretary, Indianapolis.

LAKE FOREST, ILL.—The Horticultural Society of Lake Forest, Winter Club. First Tuesday of each month, at 8 p. m. G. L. Blanchard, Secretary, Lake Forest, Ill.

LAKE GENEVA, WIS.—Lake Geneva Gardeners' and Foremen's Association, first and third Saturday of each month, at 8 p. m., at News building. Henry Tolman Secretary.

LOUISVILLE, KY.—The Kentucky Society of Florists. First Tuesday of each month, at 8 p. m. Fred L. Schulz, Secretary, 1325 Cherokee road, Louisville.

MADISON, N. J.—Morris County Gardeners' and Florists' Society, Masonic Hall. Second Wednesday of each month, at 7:30 p. m., in winter. S. Redstone, Secretary.

MILWAUKEE, WIS.—Milwaukee Florists' Club. Meets first Thursday of each month at 8 p. m., in Quiet House, corner Broadway and Mason street. Curt Dallwig, Secretary, 34 Juneau Avenue.

MINNEAPOLIS, MINN.—Minneapolis Florists' Club, Latham's Conservatory, 83 S. Tenth street. First Friday of each month, at 8 p. m R. A. Latham, Secretary.

MONTREAL, QUE.—Montreal Gardeners' and Florists' Club, Alexandria rooms, 2204 St. Catherine street. First and third Monday of each month. W. H Horobin, Secretary, 23 Closse street

NEW BEDFORD, MASS.—New Bedford Florists' Club. Second Thursday of each month. William P. Pierce, Secretary.

NEW LONDON, CONN.—New London County Horticultural Society, Elks' Hall. Second and fourth Wednesday of each month. B. M. Lindsley, Sec 833 Ocean Ave., New London, Conn.

NEW ORLEANS, LA.—Gardeners' Mutual Protective Association 144 Exchange alley. Second Sunday of each month, at 2 p.m. John Parr, Secretary. 4529 North Rampart.

NEW ORLEANS, LA.—German Gardeners' Club, 624 Common street. First Wednesday of each month, at 8 p. m. Martin Gaillot. Sec'y.

NEW ORLEANS, LA.—New Orleans Horticultural Society, 125 St. Charles street. Third Thursday of each month, at 8 p m. C. R. Panter, Secretary, Calhoun and Robertson streets.

NEWPORT, R. I.—Newport Horticultural Society. First and third Wednesdays of each month. David McIntosh, Secretary.

NEW YORK N. Y.—New York Florists' Club, Grand Opera House Building, 8th avenue and 23d street. Second Monday of each month, at 7:30 p.m. John Young Secretary, 51 West Twenty-eighth street, New York.

NEW YORK.—Horticultural Society of New York at American Institute rooms. Second Wednesday of each month, at 8 p. m. May and June, at 3 p. m., at Botanical Garden. Leonard Barron, Secretary 306 W. 149th street, New York.

OMAHA NEB.—Nebraska Florists' Society, City Hall Second Thursday in each month at 8 p. m. Louis Henderson, Secretary, 1519 Farnam street, Omaha.

PASADENA, CAL.—Pasadena Gardeners' Association G A. R. Hall, East Colorado Street. First and third Friday of each month, at 8 p. m. H. E. George, Secretary

PHILADELPHIA, PA.—Florists' Club of Philadelphia, Horticultural Hall Broad street, above Spruce. First Tuesday of each month at 8 p m. Edwin Lonsdale, Secretary, Wyndmoor, Philadelphia.

PITTSBURG, PA.—Pittsburg and Allegheny Florists' and Gardeners' Club 422 Sixth avenue. First Tuesday of each month, at 8 p. m. H. P. Joslin, Secretary, Ben Avon, Pa.

PROVIDENCE, R. I.—Florists' and Gardeners' Club of Rhode Island. 96 Westminster street. Third Monday of each month at 8 p. m. Wm. E. Chappel, Secretary, 333 Branch avenue, Providence.

RICHMOND, IND.—Richmond Florists' Club. at the greenhouses of members. Third Monday of each month. H. C. Chessman Secretary.

SALT LAKE CITY, UTAH.—Salt Lake Florists' Club, Huddart Floral Co.. 114 East Second South Street. First and third Tuesdays of each month. Chas. Butchart, Box 336. Secretary.

SAN FRANCISCO, CAL.—Pacific Coast Horticultural Society. First and third Saturday of each month. Thomas H Munroe Secretary.

SCRANTON, PA.—Scranton Florists' Club. Guernsey building. Third Friday of each month, at 7:30 p m. T B. McClintock, Secretary.

SEATTLE, WASH.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street First and third Tuesdays of each month. A. Balmer, Secretary, 316 Taylor avenue, Seattle.

ST. LOUIS. MO.—St. Louis Florists' Club, Grand and Shenandoah Streets Second Thursday of each month at 2 p. m. Emil Schray, Secretary, 4101 Pennsylvania avenue. St. Louis.

ST. LOUIS, MO.—Plant and Cut Flower Growers' Association. Third Wednesday of each month, at 3 p. m. E. H. Michel, Secretary, Magnolia and Flower Grove avenues, St. Louis.

TORONTO, ONT.—Toronto Gardeners' and Florists' Association St. George's Hall, Elm street. Third Tuesday of each month, at 8 p. m. E. F. Collins, Secretary, 2 Hurst place, Toronto.

UTICA, N. Y.—Utica Florists' Club, Hotel Martin. First Thursday of each month, at 8 p. m. J. C. Spencer, Secretary.

WASHINGTON D. C.—Florists' Club of Washington, Scottish Rite hall 1007 G s reet, N. W. First Tuesday in each month, at 8 p. m. Chas. McCauley, Secretary, 18th & Kearney streets, N. E.

BOOKS FOR FLORISTS.

The time is coming along when these are needed and opportunity at hand for reading them. Every one of the following should be in your library.

Send prices quoted and we send the books.

PRACTICAL FLORICULTURE (Peter Henderson).—A guide to the successful propagation and cultivation of florists' plants. Illustrated. 325 pages. $1.50.

GREENHOUSE CONSTRUCTION (Taft).—It tells the whole story about how to build and heat a greenhouse, be it large or small, and that, too, in a plain, easily understood, practical way. It has 118 illustrations. $1.50.

THE GOLDFISH (Mulertt).—A number of florists find goldfish an attractive and paying addition to their business. The best advice is given in every department of the subject, including construction and care of the parlor aquarium, in this volume of 160 pages, handsomely illustrated. $2.00.

LANDSCAPE GARDENING (Maynard).—The development of landscape art within the past few years compels the wide awake florist to keep posted on this branch of the business. The many suggestions of this book will be found helpful every business day. It contains 338 pages, 165 illustrations. $1.50.

MUSHROOMS: HOW TO GROW THEM (Falconer).—The only American book on the subject, 29 illustrations. Written by a practical mushroom grower, who tells the whole story so tersely and plainly that a child can understand it. This book has increased mushroom growing in this country three fold in three years. $1.50.

THE ROSE.—Its cultivation, varieties, etc. (H. B. Ellwanger).—A complete guide of the cultivation of the rose, together with the classification of all the leading varieties. $1.25.

ASPARAGUS (Hexamer).—A practical treatise on the planting, cultivation, harvesting and preserving of asparagus, with notes on its history and botany. This book is mainly devoted to the culinary kind of asparagus, but there is also some reference to the ornamental species. 50 cents.

CABBAGES, CAULIFLOWER AND ALLIED VEGETABLES (Allen).—The requirements of the important vegetables of the cabbage tribe are given here very fully. The book also contains interesting chapters on seed raising, insects, pests and fungus diseases common to these plants. 50 cents.

LANDSCAPE GARDENING (Waugh).—This is a very useful little book on the art of landscape gardening. It will be found exceptionally valuable to amateurs, as it covers in detail the numerous problems that come to the owners of small gardens. It is freely illustrated and the pictures have been chosen with a view to informing the reader rather than decorating the book. 50 cents.

THE PRINCIPLES OF FRUIT GROWING (Bailey).—The entire subject of fruit culture is treated very thoroughly in this illustrated volume of 516 pages. It is a book that no up-to-date fruit grower can afford to be without. $1.25.

SUCCESS IN MARKET GARDENING (Rawson).—Written by one of the most prominent and successful market gardeners in the country, and who has the large t glasshouses for forcing vegetables for market in America. Outdoor and indoor crops are treated. Illustrated, $1.00.

CELERY CULTURE (Vaughan).—The important subject of celery culture is thoroughly covered in this illustrated pamphlet of 59 pages. The florist raising young plants of celery and those who grow the plants to maturity will alike find it valuable. 50 cents.

HOW TO GROW CUT FLOWERS (Hunt).—The only book on the subject. It is a thoroughly reliable work by an eminently successful, practical florist. Illustrated. $2.00.

THE HORTICULTURISTS' RULE-BOOK (L. H. Bailey).—Contains information valuable to all those engaged in any branch of horticulture. Illustrated. 312 pages. 75 cents.

GINSENG (Kains).—At the present time, when so much interest is taken in ginseng, it will be interesting to peruse this volume, which tells all about the plant in a way that all may understand. The 144 pages are freely illustrated. 50 cents.

AMERICAN FLORIST COMPANY,
324 Dearborn Street, CHICAGO

The Whilldin Pottery Co.

STANDARD FLOWER POTS

Our output of Flower Pots is larger than any concern in the World
Our Stock is always Large and Complete

Main Office and Factory,

713 WHARTON STREET, PHILADELPHIA

Warehouses: JERSEY CITY, N. J. LONG ISLAND CITY, N. Y.

CLIPPER LAWN MOWER CO. DIXON ILL.

The Mower that will **kill all the Weeds in your Lawn.** If you keep the weeds cut so they do not go to seed and cut your grass without breaking the small feeders of roots, the grass will become thick and the weeds will disappear.

The Clipper will do it. Ask your dealer for them. If they have not got them, below is the price: No. 1—12-inch Mower, $5; No. 2—15-inch Mower, $6; No. 3—18-inch Mower, $7; No. 4—21-in. Mower, $8. Send draft, money-order or reg. letter.

THE BEST Bug Killer and Bloom Saver.

For **PROOF** Write to

P. R. PALETHORPE COMPANY,

LOUISVILLE, KY.

Please mention the American Florist when writing.

GEO. KELLER & SON,

MANUFACTURERS OF

FLOWER POTS.

Before buying write for prices.

361-363 Herndon Street, near Wrightwood Ave., CHICAGO, ILL.

Those Red Pots

"STANDARDS"

FULL SIZE AND WIDE BOTTOMS, BULB PANS AND AZALEA POTS.

DETROIT FLOWER POT M'F'Y.

HARRY BALSLEY, Rep. DETROIT, MICH. 490 Howard St.

Kramer's Pot Hangers

For Sale by Wholesale Seedsmen, Florists and Supply Dealers.

Price, $1.00 per dozen by express. Sample dozen by mail, $1.25.

L. N. Kramer & Son, CEDAR RAPIDS, IOWA.

THE KELLER POTTERY COMPANY,

Manufacturers of **FLORISTS' RED STANDARD POTS.**

Azalea Pots, Bulb and Fern Pans, Etc.

Write for Price List. 213-15-17-19-21-23 Pearl St., NORRISTOWN, PA.

IONIA POTS.

STRONG POROUS DURABLE

In potting you will appreciate their smooth, well rounded edges. And this is but one of the many reasons why **IONIA POTS,** by superior merit alone have won a lasting place in the hearts of all our patrons. Remember us with your next order.

IONIA POTTERY COMPANY, Ionia, Mich.

Standard Flower Pots!

Packed in small crates, easy to handle.

	Price per crate		Price per crate
1500 2-in., in crate,	$4 88	120 7-in., in crate,	$4 20
1500 2¼ "	5.25	60 8 "	3.00
1500 2½ "	6.00	HAND MADE.	
1000 3 "	5.00	48 9-in., in crate,	$3.60
800 3½ "	5.80	48 10 "	4.80
500 4 "	4.50	24 11 "	3.60
320 5 "	4 51	24 12 "	4.80
144 6 "	3.16	12 14 "	4.80
		6 16 "	4.50

Seed pans, same price as pots. Send for price list Cylinders for Cut Flowers, Hanging Baskets, Lawn vases, etc. Ten per cent off for cash with order. Address

HILFINGER BROS. POTTERY, Fort Edward, N. Y or AUGUST ROLKER & SONS, New York Agents, 31 Barclay Street, New York City.

CUT FLOWER BOXES

WATERPROOF Corner Lock Style.

The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always.

Size No.		Per 100	Per 1000
"	1. 3x 4½x16	1.90	17.50
"	2. 3x 6x18	2.00	19.00
"	3. 4x 8x18	2.50	23.00
"	4. 3x 5x24	2.75	26.00
"	5. 4x 8x22	3.00	28.50
"	6. 4x 8x28	3.75	36.00
"	7. 6x16x20	5.50	54.00
"	8. 3x 7x21	3.00	28.50
"	9. 5x10x35	6.50	62.00
"	10. 7x20x20	9.50	67.50
"	11. 3½x5x30	3.00	28.50

Sample free on application. No charge for printing on orders above 250 boxes. Terms cash.

THE LIVINGSTON SEED COMPANY, Box 104, COLUMBUS, OHIO.

STANDARD FLOWER POTS

No Charge for Crates or Packing.

Inches	per 1000	Inches	per 100
1½	$ 2.77	7	$ 4.00
2	3.33	8	6.00
2½	3.88	9	8.88
3	5.27	10	13.33
3½	6.10	12	22.22
4	7.77	14	38.88
4½	10.00	16	66.66
5	13 60	20	each, 1.25
6	22.20		

Azalea Pots and Bulb Pans same as **Standard Pots.** 2 and 2½-in Rose Pots, $3.50 per 1000. These pots are **carefully made,** very strong and porous. Liberal count is given, thereby protecting our patrons against possible breakage. **Above prices subject to 10 per cent. discount for cash.**

A. F. KOHR, 1521-23-25 N. Leavitt St, Chicago.

Please mention the American Florist when writing.

Red Standard Flower Pots

Price list and samples on application.

PADUCAH POTTERY CO., Inc.

PADUCAH, KENTUCKY.

Tobacco Paper IS THE STONGEST, BEST PACKED, EASIEST APPLIED.

24 sheets.....$ 0.75
144 sheets..... 3.50
288 sheets..... 6.50
1728 sheets..... 35.10

"NICO-FUME" LIQUID

Furnishes the Most Nicotine for the Money!

Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.

OVER 40% NICOTINE.

By far the **CHEAPEST.**

JUST NOTE PRICES!

Pint.....$ 1.50
½ Gallon..... 5.50
Gallon..... 10.50
5 Gallons..... 47.25

Use Wilson's Plant Oil

NO ALKALI. NOTHING DELETERIOUS. DRIES AT ONCE.

RUTHERFORD, N. J., June 28, 1906.

We have thoroughly tried your Plant Oil with very striking results. We may say this is the first insecticide we have tried on our palms that will remove the scale with the first application. We would like to say this is one of the few things that the florists cannot afford to be without, especially those who are growing palms and other decorative plants After one application of your oil the plants take on an entirely new appearance. We would be pleased to have prospective buyers visit our nurseries and inspect the palms on which we have used your oil. BOBBINK & ATKINS.

NEW YORK BOTANICAL GARDEN, Bronx Park, New York City, September 5, 1906.

MR. ANDREW WILSON:—Having used your insecticide here, I can testify to its efficiency in destroying scale and other insects infesting plants.

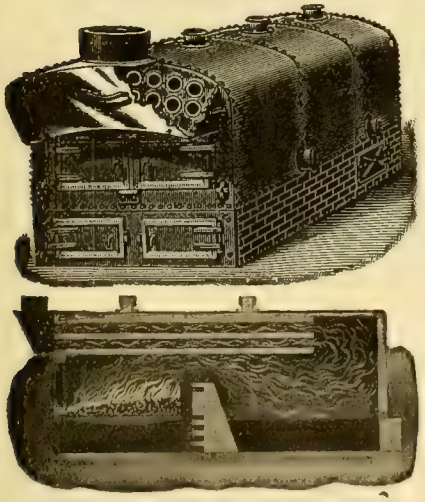
Yours very truly, GEO. A. SKENE.

FOR FLORISTS AND HOUSEHOLDERS

Put up in cans and bottles. Size: 4 oz. to 1 gal. Send for circular, testimonials and trade prices.

ANDREW WILSON, 437 Springfield Ave., Summit, N. J.

KROESCHELL BROS. CO.
IMPROVED
Greenhouse Boiler
45 Erie Street, CHICAGO.



Boilers made of the best of material, shell, fire-box sheets and heads of steel, water space all around (front, sides and back). Write for information.

Please mention the American Florist when writing.

THE LOW PRICE HEATING PLANTS

The Chicago House Wrecking Co. is in position to offer you an interesting proposition for furnishing you with a heating plant at a saving of at least 30%. Send us a sketch of your houses with preferred location of the boiler, the points of compass and the desired night temperature for zero weather, and we will gladly submit you an exact detail quotation of all material required to install the plant. We have ***heaters*** and ***boilers*** of every kind, both new and rebuilt. We have always ou hand a large number of rebuilt boilers suitable for greenhouse heating. Our stock embraces ***fire box boilers, horizontal tubular boilers, Kroeschell boilers, cast iron sectional boilers, Erie City economizers*** and other types.

We can save you considerable money on ***pipe, valves*** and ***fittings;*** also on ***doors, glass, sash*** and everything needed in the construction of your buildings.

Ask for our Special Catalogue No. 47.

CHICAGO HOUSE WRECKING CO.,
35th and Iron Streets, CHICAGO.

Please mention the American Florist when writing.

The James H. Rice Co.
IMPORTERS and JOBBERS
GREENHOUSE GLASS
A SPECIALTY.
Window Glass, Paint, Putty, etc.
Office and Warehouse: Corner of Michigan, St. Clair and Illinois Streets, CHICAGO.

Please mention the American Florist when writing.

SPRAGUE, SMITH CO.
JOBBERS AND MANUFACTURERS OF
Window Glass.
GREENHOUSE GLASS
A SPECIALTY.
167-169 Randolph St., **CHICAGO.**

GREENHOUSE HEATING

Complete heating plants erected or materials furnished with working plans. Write for prices on **BOILERS.**

JOHNSTON HEATING COMPANY,
St. James Building, 1133 Broadway, NEW YORK.

For Best Results Advertisers should mail new advertisements and changes so as to reach us on Mondays.

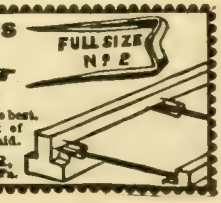
H. M. HOOKER CO.

Window Glass, Paints and Putty.
Greenhouse Glass a Specialty.

59 W. Randolph St., CHICAGO.

Please mention the American Florist when writing.

Holds Glass Firmly
See the Point
PEERLESS
Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
HENRY A. DREER, 714 Chestnut St., Phila., Pa.



Extract from paper read by John H Dunlop before recent convention of the Canadian Horticultural Association:

"Campbell's Sulphur Vaporizer is an English patent and a trifle expensive, but very effective and eliminates almost all of the danger of ignition. We are using eight of them at present with excellent results."

—SOLD BY—

VAUGHAN'S SEED STORE. 14 Barclay St., New York.
A. T. BODDINGTON, 342 West 14th St., New York

GLASS

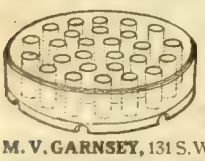
GOOD BRANDS.
QUICK SHIPMENTS.
LARGE STOCK.

Warehouse on railroad switch. Be Sure and Get Our Prices.

SHARP, PARTRIDGE & CO.,
22nd and Lumber Sts., CHICAGO.

STENZEL GLASS CO.,
GREENHOUSE GLASS.
French and American "WHITE ROSE" Brand.
2 Hudson St., NEW YORK.

THE JAPANA CUT FLOWER HOLDER



A handy article for all florists. **Saves Time and Flowers.**

Made of glass, in two sizes. Catalogues, description, etc., on application.

M. V. GARNSEY, 131 S. Waiola Ave., La Grange, Ill.

THE BLACK STUFF FINE TOBACCO
FOR DUSTING IS GROUND VERY FINE FROM THE HEAVY PURE LEAF
LET US TELL YOU ABOUT IT.
THE H·A·STOOTHOFF CO. 116 WEST ST. NEW-YORK

THE HEART OF THE MATTER IS ALL HEART SUN DRIED CYPRESS

GREENHOUSE MATERIAL

IS THE VERY BEST.
FOLEY MFG. CO. 471 W. 22ND ST. CHICAGO,
HAVE IT, RIGHT FROM THE GULF OF MEXICO,
AND WILL MAKE YOU RIGHT PRICES—
SEND FOR SKETCHES ESTIMATES AND CATALOGUE FREE—
HOT-BED SASH. VENTILATING APPARATUS, FITTINGS AND MANY OTHER THINGS—

If you are having delay in getting your roof material, send your orders TO US and don't be in trouble. We will handle any order in the time agreed. Try us.

FOLEY MANUFACTURING COMPANY,
471 W. 22nd Street, : : : CHICAGO.

Please mention the American Florist when writing.

Material for our Patent Short Roof Houses as per cut and all other styles of Construction, either of Washington Red Cedar or Louisiana Cypress.

Dietsch & Co.'s Short Roof Style of Houses Can be seen at George Reinberg, 304 Belmont Avenue, Chicago.

Quality Invariably the Best that Can Be Produced.

A. DIETSCH COMPANY, Patentees

617 A Sheffield Ave., CHICAGO, ILL.

An Economic Investment

A MOREHEAD TRAP

Write us we will explain how our trap can better the quality of your flowers and cut down your operating expenses.

MOREHEAD MFG. CO.
1047 Grand River Ave.
DETROIT, - MICH.

Carman's Antipest

INSECTICIDE AND FUNGICIDE
For the Garden, Orchard and Greenhouse.
Non-poisonous and harmless to vegetation.
Kills Green Fly, Aphides, Bark Lice, Thrip, Mealy Bug, Red Spider, Scale, Wire Worms, Ants and Slugs.

This is the Grower's Friend, handy to use, cheap and effective, mixes readily in water. Destroys all insect pests and keeps down filth. Circulars on application. **$1.50 per gallon.** Also in quarts, half gallons and in bulk.

PERFECTION CHEMICAL CO.,
FLUSHING, N. Y.

GET NEW CUSTOMERS By placing your specialties before the purchasing florists of the entire country by advertising in

Send Copy Now. THE AMERICAN FLORIST.

THE AMERICAN FLORIST

America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXVII. CHICAGO AND NEW YORK, NOVEMBER 3, 1906. No. 961

THE AMERICAN FLORIST

TWENTY-SECOND YEAR.

Copyright 1906, by American Florist Company. Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

324 Dearborn St., Chicago.

Eastern Office: 1133 Broadway, New York.

Subscription, $1.00 a year. To Europe, $2.00. Subscriptions accepted only from the trade.

Volumes half yearly from August 1904.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—WM. F. KASTING, Buffalo, N. Y., president; H. M. ALTICK, Dayton, O., vice-president; W. J STEWART, 11 Hamilton Place, Boston, Mass., secretary; H. M. BEATTY, Pittsburg, Pa., treasurer. Twenty-third annual meeting at Philadelphia, Pa., August, 1907

OFFICERS-ELECT—WM J. STEWART, Boston, Mass., president; JOHN WESTCOTT, Philadelphia, Pa., vice president; P. J. HAUSWIRTH, Auditorium Annex, Chicago, secretary; H. B. BEATTY, Pittsburg, Pa., treasurer.

INTERNATIONAL EXHIBITION—A grand international exhibition will be held with the annual convention at Chicago, November, 1908.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual convention and exhibition at Chicago, November 6-12, 1906. WM. DUCKHAM, Madison, N. J., president; DAVID FRASER, Penn and Homewood Ave., Pittsburg, Pa., secretary.

AMERICAN ROSE SOCIETY.

Annual meeting and exhibition at Washington, D. C., March 13-15, 1907. ROBT. SIMPSON, Clifton, N. J., president; BENJAMIN HAMMOND, Fishkill-on-Hudson, N. Y., secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention and exhibition at Toronto, Canada, January, 1907. JOHN H. DUNLOP, Toronto, Canada, president; ALBERT M. HERR, Lancaster, Pa., secretary.

THE AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

Annual convention at Toronto, Ont., 1907. BYRON D. WORTHEN, Manchester, N. H., president; F. L. MULFORD, Harrisburg, Pa., secretary.

AMERICAN PEONY SOCIETY.

Third annual meeting and exhibition at Ithaca, N. Y., 1907. C. W. WARD, Queens, N. Y., president; A. H. FEWKES, Newton Highlands, Mass., secretary.

Contents, page 682.

Advertising Rates, 682.

Index to Advertisers, 708.

Ready Reference Advts., 709.

FLORISTS' PLANT NOTES

For Early November.

PALMS.—The transplanting of palms, as far as those of the larger sizes are concerned, if not attended to before, should now be postponed until early spring, when the roots will take hold more readily and a souring of the new soil need not be feared. For palms of an advanced growth and all those of salable size it is well to allow the temperature now to fall to a point that will reduce growth to a minimum and afford the plants somewhat of a rest until the warmer days of spring call forth renewed activity. This hardening off and holding back prevents sappy growth and the forming of an unevenly balanced crown and imparts substance and durability to the existing foliage. Young stock, on the other hand, should be encouraged, even at this season, to hold its own in rapid headway of growth. The temperature should, as much as this is possible, be an even 65° night and day, for some varieties a trifle higher rather than lower. When root-bound, transplanting should not be delayed too long—a frequent cause of stunted and yellowish growth. Frequent shifts from size to size are a surer means of growing fine stock than occasional long shifts and the skipping of one or more sizes in the operation. Young palm stock is not overexacting as to bench space and somewhat close quarters, and a little crowding, while the plants are still in 2, 3 or 4-inch pots, will make of them more acceptable stock than giving them full space to spread. Thus some of the best commercial varieties, as arecas, cocos and kentias are quickly grown into fine, stately specimens.

CALLAS.—Where callas are depended upon for an early and abundant crop of flowers for cutting, a gradual increase in the amount of heat and moisture, as afforded up to this time, will now be in order. As the leaves gain in size and the plants begin to throw flowers, so will root growth advance, and the bench soil will soon be filled with the white fleshy fibers, greedily searching for nourishment. It is then time to begin feeding with liquid manure, that from the cow barn being the best for callas. This also is the proper stimulant for potted callas, upholding their vigor and making them bloom more profusely. Very effective in pots is the variety Little Gem, now to be regarded as fixed and distinct, differing greatly in character from those first sent out under that name. This should be more extensively grown.

PANDANUS.—The oldtime screw pine, Pandanus utilis, is but sparingly grown now, hardly ever seen in commercial establishments, though, when well grown, it is still a plant of considerable value for decorative purposes, owing to its queer form of growth, densely set foliage and true tropical character. It is fast being displaced by Pandanus Veitchi, P. Sanderi and some other old and new varieties, most of them displaying a fine variegation in their leaves. These types, indeed, rank foremost among decorative plants. The white and golden variegation so highly prized is most pronounced in young plants, gradually becoming less distinct as the plants grow older. Continuous propagation, therefore, coupled with great care in treatment and a high temperature are necessary to keep abreast of the demand for well colored specimens in the sizes, most called for. To obtain sufficient material for propagation, old plants of an undesirable size or defective in form or coloring are induced to make numerous side growths by cutting away their uppermost tips down to the firm and hardened part of their stems. These side shoots, when of handling size, are detached, placed in the sand or sawdust of a pretty warm propagating bed and potted up when rooted, to be grown on in the warmest part of a hothouse. Now or a little later, when steady fire heat can be depended upon, is the time to propagate plants of this and similar species.

CYCLAMENS.—Essentials in the growing of fine cyclamens are a temperature of 60°, a location near the glass, unobstructed light from now on, ample room between the plants, freedom from in-

sects and a sufficiency in watering and sprinkling as also in fresh air at all times when this can be admitted without causing sudden changes in temperature. Especially do plants now considerably forward in their growth and beginning to cover themselves with buds depend on faithful observance of these points in treatment for perfect final development. Green fly, which often becomes a troublesome nuisance at this time, is held in check by placing a layer of fresh tobacco stems between the pots and by regular fumigation until the flowers open, when this operation must be discontinued, for neither smoke nor water should touch the open flowers of cyclamens. Small stock intended for next season must never suffer for water, air, light or root room. It is now that a timely pricking off into fresh soil often means fine plants a year hence.

BEGONIAS.—Tuberous rooted begonias have had their season. The wintering of the tubers, especially if not dug up in time, dried off and stored in a suitable place, is a rather unreliable way of providing stock for the following year. Better plants for florists' spring trade can be raised from seeds, these to be sown in early February. By May this will be excellent stock, much to be preferred for bedding out to any raised from full sized tubers. They will flower profusely all summer, if sown that early and rapidly grown into a good size for planting out at the proper time. The same advice holds good as regards begonias of the regular bedding varieties, the various types of the semperflorens section. Stock raised from seeds and started early is more satisfactory than that raised from cuttings. Rex and the many varieties of foliage and flowering begonias found among the regular stock of florists' potted plants are greatly benefited by being, to a reasonable degree, kept on the dry side during the months of the declining year. A partial rest for a few months will restore them to their usual vigor.

BEGONIA GLOIRE DE LORRAINE.—This fine variety is just now making its best and most telling growth. It is only now that it shows its true character as the grandest of winter flowering begonias and most serviceable of holiday plants. It now needs plenty of room and light. A dose of mild stimulating matter in liquid form once or twice a week will impart strength to the stems and bright color to the flowers. Overhanging branches should be neatly tied up. Fumigating must cease when the first flowers begin to show color.

FRENCH FORCING BULBS. — Paper White narcissi and Roman hyacinths, planted seven or eight weeks ago and intended for early forcing must now be brought in. The soil in pots and flats should be by this time completely filled with white roots and the top growth beginning to disclose the flower stalks. When in this condition the bulbs are ready for immediate forcing. A warm footing and a temperature of 65° or 70°, combined with ample moisture at the roots and overhead, will bring Roman hyacinths out, ready for cutting, in from three to four weeks. Paper White however, should not be subjected to so severe a course of forcing. Its flowers will be finer and last longer, its stems stronger and the leaves of a brighter green if produced in a comparatively cool house and under the influence of the full light and ample ventilation.

POINSETTIAS.—These rank among the most important plants especially raised for Christmas and they are by no means the least profitable. Their propagation and culture up to November or after they have undergone their last shift does not require a great amount of special care or skill, but after that the grower's best efforts and abilities in the growing of fine plants are called into play. Short jointed, sturdy growth,

The Chicago Flower Show Poster.
Colors: red, black, yellow and green.

perfect foliage all the way down the stems and large bracts of a bright, clear scarlet are looked for in poinsettias as prime attributes. In a warm and well lighted house with plenty of space for each plant, with close attention to watering, sprinkling, cleanliness and feeding, it will not be hard to work up to a faultless finish.

FUCHSIAS.—Varieties of fuchsias that may be depended upon for a good display of flowers during fall and early winter, are few. Where they are in evidence, it will be found that a hot house at this particular time is a more congenial place for them than the ordinary greenhouse. They still need a light shading on sunny days, but unless care is taken in watering at this season, a yellowing and dropping of leaves and buds will be the immediate consequence. Old plants of the summer flowering sorts may now be granted a well earned rest. Any place under some greenhouse bench will do for the present. The wood will thus gain that degree of maturity which is essential for the production of a vigorous new growth later on, depended upon for propagation in early spring and profuse blooms during summer.

ARDISIAS.—All plants raised for their fruit and bright colored berries alone, especially ardisias and the various kinds of Christmas solanums, will lose much in value by being closely packed and suffered to take their chance on a bench crowded with plants of the more hardy common greenhouse stock, as is their usual lot at this time of the year. These berried plants, to be valuable and desirable Christmas stock, need light, room and heat in unstinted measure for the well-being of their lower foliage, which soon drops if deprived of light and air, for the attainment of pleasing form and for the even and perfect coloring of the fruit. There is little use of raising any of these things unless they are done in the best styles and are perfectly formed specimens with an abundance of fruit evenly distributed over the entire plant and well set off by luxurious deep green foliage clothing the plant from base to tip.

HYDRANGEAS. — While a few light frosts will not harm hydrangeas of the hortensis class, even aiding in the ripening of their wood, it must be borne in mind that severe freezing will kill the tender tips of the branches from which next season's bloom must come. Hydrangea Otaksa, H. hortensis, H. Thomas Hogg, etc., should therefore be removed to safe quarters before it is too late to avert damage. A rest for two or three months will make them fit subjects for forcing. Water, while not needed in the usual large quantities at this period of semi-dormancy, should not be entirely withheld, lest a shrinkage in the wood result.

TENDER BULBOUS PLANTS.—Gloxinias, achimenes, amaryllis, fancy leaved caladiums, and similar plants of tender nature flowering during the summer, have now arrived at a stage when thorough ripening off means a good deal in the preservation of the bulbs and corms for the ensuing season. To bring about complete maturity it is best to place the withering plants on the sunniest bench of a warm house, water sparingly and allow all the top growth to die down completely. It is then time to store the dry plants away in a warm place, leaving the bulbs in their pots until early spring, when they are cleaned, repotted in fresh soil and started into new growth.

CAMPANULAS.—All biennial varieties of campanula, of which the well known Canterbury bells are the best, readily yield to forcing under glass, and their flowers are much sought in winter and early spring, always bringing a good price. Clumps, now in the garden, may be lifted and planted in benches cleared of chrysanthemums, or they may be potted up. Under mild forcing, freely watered, they produce long-stemmed, showy spikes of flowers from February until late spring.

E.

DAYTON, O.—H. D. Byers, the well known representative of the Dayton Paper Novelty Co., is suffering with a severe attack of nervous prostration. His doctor says he will not be able to resume business till after January 1.

THE RETAIL TRADE

A Kansas City Show Window.

The accompanying illustration shows a crowd of spectators around the windows of the Wm. L. Rock Co., Kansas City, Mo., October 15. The attraction consisted of a "horse show" window, comprising a miniature show ring. A caller with trumpet in hand, summoning the next entry to the ring; a pony, entering through a large horse shoe composed of yellow chrysanthemums. The colors of the horse show, yellow and black, were carried out with ribbon bows and streamers of those colors.

AT THE STORE OF THE W. L. ROCK CO., KANSAS CITY, MO., HORSE SHOW WEEK.

Florists Store Windows in New York.

With the opening of the busy season for the New York florists the windows of all the prominent flower stores have changed from the series of monotonous green settings which have characterized them throughout the dull season to displays which are handsome, and at times unique. The appearance of the chrysanthemum now-a-days seems to be the signal for the resumption of a system of daily window dressing for an extended period, and the utility of the flower for decorative purposes is exemplified in almost every florists' window in town. What may be termed "open display" is the style of dressing most generally adopted, crowded or massed displays being less noticeable than in previous seasons. Plant groupings are made with great care, and are materially depended upon to make contrasts with the exhibits of cut flowers which are used sparingly but not the less effectively. Various makes and styles in art pottery are included in the displays, and here and there fancy novelties in the way of violet and orchid boxes are introduced to advantage. Crotons are used very largely for window work this season and certain varieties of coleus in warm colors are recognized as both useful and seasonable. Autumn leaves are used everywhere, in some cases rather too lavishly.

The windows of Charles Thorley's Broadway store are carrying handsome displays of long stemmed chrysanthemums in tall jars, flanked with groups of Ciboteum Schiedei, Scottii and Boston ferns, and kentias, which also make a background. The general arrangement is open with plenty of space for a few vases of orchids, lily of the valley and American Beauty roses. The smaller side windows are banked with standard chrysanthemums. The window of the Fifth avenue store shows a massive setting of ciboteums and kentias with Boston ferns suspended. A triangular space in front is covered with black velvet thrown carelessly over blocks of different sizes, to give an irregular surface effect, on which are carelessly disposed some fancy watering pots carrying lose bunches of carnations, roses, and sprays of adiantum.

The Fleischman Floral Co.'s Broadway window is set with two or three large specimens of art vases filled with chrysanthemums, and groups of plants. Open space is liberally allowed, and jars of cattleyas show up well. At the sides are vases of Oncidium varicosum Rogersii, with a few cypripediums. In the foreground are a few imitation footballs which open in halves and serve as violet or orchid boxes. The large all glass window of the Fifth avenue store, which might almost be compared to a glass box, has a semi-circular setting of crotons, coleus, ferns and dracænas, the convex side fronting the avenue. At each end of the group is an elevated jar of chrysanthemums with three jars of roses on lower elevations in between. The center of the semi-circle is occupied by a large bowl of Killarney roses elevated so as to rise above the plants. In the immediate foreground are three vases of roses, and at the rear of the display are suspended ciboteums.

J. H. Small & Son's windows display some fine groupings of Boston, Scottii and Whitmani ferns. Each window shows three groups of different sizes, one of which is circular in shape and centered with a tall antique Greek vase filled with chrysanthemums. Vases of cattleyas, and jars of cosmos are arranged here and there. The general arrangement is very open, and presents something of a garden effect. Autumn leaves are used as a background.

A pedestal showcase outside the store of Wm. H. Brower's Sons on Fifth avenue attracts pedestrians. A tall rock effect is obtained by a column built of boxes and covered with sheet moss, the ledges of which carry tiny Japanese plants in pots.

At Wodley & Smythe's, Fifth avenue, near Forty-second street, the window foreground shows a series of miniature Japanese gardens in porcelain dishes of elliptic shape, and a variety of small Japanese shrubs in porcelain pots. Vacant spots are shown with autumn leaves among which are plants of Adiantum

SHOW HOUSE AT THE GEO. WITTBOLD CO.'S ESTABLISHMENT, CHICAGO.

Farleyense, and sides and background show groupings of ferns, crotons and kentias. The side wall is trellised, the trellis covered with ivy and autumn leaves. Two jars of chrysanthemums are seen in the group forming the background. Boston ferns and ciboteums are suspended from the ceiling.

The window of Chas. O. Dard's store on Madison avenue contains a grouping of tall dracænas, ferns and crotons, with vases of chrysanthemums in the foreground. Autumn leaves are loosely scattered in the front, and pans of four leaved clover are labelled "the new lucky four leaf clover." The three large side windows are massed with plants.

Thos. Young, Jr., makes simple, but very effective, settings in the windows of his Fifth avenue store. Ciboteums and Boston ferns grouped in open style, with plants on tall pedestals, large jars of chrysanthemums, and vases of orchids are seen in one window. The other carries a large group of Pandanus Veitchii and Scottii ferns, with two Japanese gardens of table size and vases of cattleyas in the foreground.

Alex. McConnell at his Fifth avenue store has a window display of fine plants of Adiantum Farleyense with a rear showing of jars of chrysanthemums amid ferns and palms. Among the adiantums is a handsome vase of multiflorum lilies, Ciboteums and Boston ferns are suspended from the ceiling. The side windows are massed with plants.

George M. Stumpp, Fifth avenue and Fifty-eighth street, has rather a novel display. The foreground of his large Fifth avenue window is strewn with washed gravel, on which rests irregular lines of large pebbles or rounding rocks. Creepers and Adiantum Farleyense fill some of the interstices. On each side, and tapering to the rear, groups of the adiantum and Scottii ferns lead to larger groups of Scottii and Boston ferns topped with ciboteums, the middle interval filled with a large plush drapery falling over a block in front on which rests a bamboo basket of heather and dendrobiums. The top of the drapery is tasselled in yellow, and a cluster of oncidium sprays at the left give a handsome effect. The side windows show groupings of plants.

A Visit to Elkins Park, Pa.

A few days ago Paul Huebner, landscape gardener for the Philadelphia and Reading railway, and the writer met by appointment to pay a visit to the well appointed and thoroughly well cared for greenhouse establishment of P. A. B. Widener and when there by accident we met A. E. Wohlert, of Wohlert & Waldburg, landscape architects of Philadelphia and New York, and soon after our arrival came John Thatcher, gardener for Edward Le Boutillier, Wynnewood, Pa., T. Goodier, orchid expert and gardener-in-general to O. G. Roeblin, Trenton, N. J., A. Bond, orchid specialist for Mrs. J. B. Wilson, Philadelphia, Samuel Batchelor, gardener to Clement E. Newbold, Jenkintown, Pa., Edward A. Stroud, carnationist, who has a fine up-to-date range of glass devoted almost exclusively to the growing of carnations, and who also has an establishment at Overbrook, Pa., for the growing of specialties in pot plants for the wholesale and retail trade; and J. Prince, who has charge of the latter place. John Dodds, superintendent for John Wanamaker, Jenkintown, was also of the number which made up quite an interested good natured party.

Wm. Klienheinz, who by the way, is vice-president of the chrysanthemum society of America is the superintendent for Mr. Widener, with becoming pride took this gathering of notables through all these thoroughly up-to-date greenhouses. In addition to what greenhouses were already there in the summer of 1905 about $60,000 was spent in adding thereto. Although this is strictly a private establishment, nothing being sold therefrom, yet the growing of pot plants and the production of cut flowers are carried on with the same

Wm. Kleinheinz.
Vice-Pres. Chrysanthemum Society of America.

thorough system as done on a commercial place, and to use the expression of one of the visitors, "There was not a weak corner to be seen anywhere." Mr. Widener and his family use flowers and plants lavishly and William Klienheinz is always abundantly able to deliver the goods.

The chrysanthemums were among the first flowers noted. There was one of the recent novelties, Beatrice May, one fine flower of which was open. It would be great if it could always be depended upon to come like this one, but unfortunately the remainder of the flowers opening showed a decided pink color. It is one of the characteristics of this variety, so it was said, in that when the crown or earlier bud is selected a white flower results whereas when the terminal or late bud is taken a pink flower develops.

One of Mr. Kleinheinz's seedlings of a few years ago is still grown here in quantity, and it is certainly one of the most useful. It is named Josephine, a yellow flower and a healthy grower with excellent foliage. It is the result of a cross between the Queen and Golden Wedding. It has been decided that this and Robert Halliday are for all practical purposes, identical. The latter was raised by Wm. Binder, at that time living at Baltimore, Md., and has for its parents exactly the same varieties as Josephine. That fact should not be strange, but it is, for so far as I have any knowledge there is not a case on record where two varieties have been raised from the same parents and are so nearly alike as to be interchangeable.

In the pink variety William Duckham, with some growers, the buds have snapped off at the neck, immediately beneath the bud. With Mr. Huebner it has been guilty but with some others it has been behaving fairly well, as it was here. Mrs. William Duckham, which created such a favorable impression by its magnificent blooms the past two years, was here in plenty. It is a gracefully beautiful yellow flower but here it seemed more streaked with red than usual, giving it a decided bronzy tone of color. None of the flowers of this variety was finished, so we were assured that the color would be all right when show time came around. The general impression prevailed that the flowers of this variety are not so large as formerly. The season at the time of our visit was not far enough advanced for us to see other varieties in bloom. They all looked promising, the foliage showing that fertilizers had been used freely.

The carnation houses were examined with great interest. All the varieties grown were the picture of health. They had not been planted outdoors at all, but kept in pots until benched and apparently they had been in their present quarters for some time. All varieties had some flowers open so that we had an opportunity of comparing them in all particulars, so of course they were examined critically and commented on freely.

Three scarlets were here, namely, Cardinal, John E. Haines, and Robert Craig. The form and color of Craig was all that could be desired, but Haines appeared to have the more buds and open flowers. "That's the commercial scarlet," says Paul Huebner, and it does look that way at Elkins Park, but Edward A. Stroud says it is not so good with him at Stafford as it is to be seen here. Cardinal had some bright flowers open, but it did not attract the same attention as the other two.

Among whites there were Lorna, Bride, Lady Bountiful, White Lawson, Lieutenant Peary and a white seedling of Mr. Haines', which is being tried out here. It is larger than any of those named I believe but it lacks the style and finish of Peary. All present appeared to be favorably impressed with this variety and Mr. Ward, the raiser and disseminator, may be congratulated accordingly. Lady Bountiful is believed to be too shy to be profitable, and it is lacking petalage at this time of the year. Sam Batchelor says Queen Louise is the best to grow when quantity is desired.

Mrs. Lawson is grown quite plentifully here, but it is not seen to such advantage as formerly. Fiancee naturally came in for a good deal of attention. It is a fine large flower of good color and very few bursted calyces were to be seen. Mr. Klienheinz had several seedlings of his own, one a pink, was larger than any other variety present, but it will need a stouter and stiffer stem.

For a crimson, Harlowarden is grown

and all had to admire the way this variety grows and blooms and the fine pose and balance there is between flower and stem. Had a yellow variety been growing near to this one the colors of both would have been enhanced thereby. This color is considered to be too dark and heavy to be used in quantity.

There were others worth mentioning, but as I failed to take my note book along, I have to depend entirely upon memory.

The orchids were admired for their excellent condition and some Cattleya labiata and C. Dowiana were in bloom. The rose houses were in fine shape. A commercial man would have had the buds out closer but he could not have had them looking any better. A house of American Beauty was especially fine and the tea and hybrid tea houses were full of health and vigor. There were Golden Gate, Killarney, Kaiserin, Bride, Bridesmaid, Mrs. Pierpont Morgan, Liberty and Richmond. It was too early in the season to decide which was the better of the two last named. Mrs. Pierpont Morgan is not so often seen as it might be commercially, but it is a favorite here and no difficulty is found in growing it.

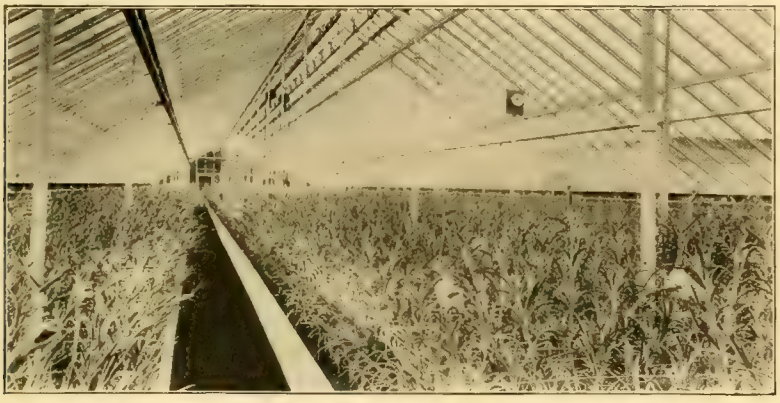
There were also two houses of violets, built in the most approved style, solid beds in the center with concrete walls, walks around the outer edge and abundant ventilation, both side and top. One house was devoted to sweet peas and another to antirrhinums.

The palm house is large and graceful in outline and full of well grown plants. Graperies and peach and nectarine houses are also here and look promising for future crops.

The mansion stands on a beautifully kept lawn of about 50 acres. The large bay trees are features. It is questionable if these could be duplicated for number and size on any one establishment in America. And although they have been on this place for ten years or so, they look as well and thrifty as if newly imported.

The secret of keeping them in such good shape is giving them abundance of water in summer, feeding them liberally with Clay's fertilizer and some other plant foods as a change, and not pruning them until they have completed their growth for the season. They are certainly a credit, as is the whole establishment, to Superintendent Klienheinz, showing his skill, and also to the liberality of the owner, P. A. B. Widener.

Long may they be associated in the good work they are doing. Our visit was thoroughly enjoyed by everyone present. EDWIN LONSDALE.



CARNATIONS AT J. R. HELLENTHAL'S, COLUMBUS, O.

WITH THE GROWERS

Jno. R. Hellenthall, Columbus, O.

The greenhouses at this place are in excellent order, and the plants grown therein are in the usual prime condition. A fine new house, 30x140 feet, has been erected, and planted to carnations. Queen, Lady Bountiful, Enchantress, white and pink Lawson, Flamingo, Edward and Estelle are making good growth, and promise well for a good Christmas and winter crop.

Most of the early chrysanthemums have been cut, and the later varieties are coming into line; all promise well. Roses are in good shape all around. A bench of poinsettias is in the best condition, also a lot in pans, all making excellent growth. Mr. Hellenthal is sparing no expense to acquire and grow the best of stock. That this is the kind the trade calls for is shown by the ever increasing demand for it here.

POINSETTIAS AT J. R. HELLENTHAL'S, COLUMBUS, O.

Pittsburg Cut Flower Co., Ltd.

AN ENTERPRISING HOUSE.

The great benefits derived by retailers and growers owing to the business like handling of their goods by the wholesale commission houses are exemplified in the rise of such important and necessary establishments as that known by the above title.

Eight years ago there was no such house in Pittsburg, but in 1898 Fred Burki, one of the most extensive growers in this section, William A. Clarke, one of the oldest Pittsburg men employed in the retail cut flower business, and Theodore Langhans, a younger man, but with some years' experience of active business life behind him, got their heads together. The result was they concluded the time was ripe for such an organization, and the Pittsburg Cut Flower Co. was started upon its useful and prosperous career.

Plenty of pessimists there were to discourage the new venture, but those who had it in hand were men who knew how to read the signs of the times, and also knew they had already the confidence and best wishes of the principal retailers and growers. Added to their own resources of pluck, energy and an innate persistence, this knowledge made the outlook a bright one.

They opened business September 1, 1898, at 705 Penn avenue, in a room with 540 square feet of floor space only, and about 700 feet of basement room. One year of diligent work insured the success of the venture, and we then find the young company making its first move to more commodious quarters. Liberty avenue was the selected location and then at 504 a building was secured containing 2880 square feet of floor space over a large basement. This enabled them to add to the flower business a complete line of florists' supplies, ribbons, and other articles constantly in demand by the retailers.

This succeeded even beyond their expectations and for a long time they have been on the lookout for larger and more centrally situated premises. Such places in this busy city are not easily found, but at last the chance came their

way owing to a large concern vacating their place of business at 222 Oliver avenue. Centrally situated among the retail men, and in close proximity to the railroad depots and express offices, they could not have selected a better location had they the choice of all Pittsburg. The building has 10,000 feet of floor space and 4,000 feet of basement room and is well equipped for the handling of cut flower consignments. Thus promptness in dispatch, a most important factor in the cut flower business, is assured.

The fact that the Pittsburg Cut flower Co. has always adhered strictly to business principles, has been unfailingly courteous and fair to customers, returning to one and all the best market price for goods, and always met its financial obligations promptly, accounts for this firm being trusted with the handling of the stock of over 140 growers, the production of several million square feet of glass. This firm is deserving of its trust and stands before the trade today as one of the most up-to-date, solid and reliable business concerns in the city.

Albert T. Lorch, DeHauen, Pa.

A large share of the carnations for the Pittsburg market comes from the Pine Creek valley which is noted for the fine stock of its growers. Prominent among these is Albert T. Lorch who grows for the wholesale market only. Mr. Lorch is a native Pittsburger, having been born on the south side in 1879. When a boy he took a liking to greenhouse work and after being connected with several local growers took a position under Wm. Falconer, as foreman of the south side park. From here he went with Mr. Falconer to Schenley park. Four years ago he decided to put up a house of carnations at De Haven, about seven miles from Pittsburg. He started with a house 18x100 which he now uses for propagating. A year later he put up one 40x100 in which he planted carnations.

Mr. Lorch's first season was very unsuccessful as he had to buy his plants and they turned out to be of very poor quality. This was a lesson Mr. Lorch has profited by as ever since he has used his own cuttings and plants only, except in the case of new varieties. After his first bad season fortune smiled on him and since then he has been cutting stock second to none in the Pittsburg market. This year he decided to increase his place by two new houses, each 22x300. They were planted before being glazed, as Mr. Lorch is a great believer in getting plants into the field early and housing them as early as possible.

One novel feature is the packing shed and cellar which are made entirely of ashes from the boiler pit. The ashes, being mixed with the right proportion of cement, make a very satisfactory storage and packing room. Another thing which attracts the visitor's attention is a pool room for the employes. Mr. Lorch finds this an admirable arrangement to keep the men contented when not working.

Mr. Lorch uses a Foos gas engine to pump his water, which has to be pumped to an elevation of 240 feet, and it gives entire satisfaction. Recently he bought a fine delivery wagon and had a hundred specially constructed shipping boxes made.

Formerly a few chrysanthemums were grown, but Mr. Lorch has discarded everything but carnations as he intends making these his specialty and he certainly is a specialist in this line.

During the summer, while the plants are in the field, he devotes his time to a large patch of watermelons and cantaloupes with which he is remarkably successful considering this climate.

A great amount of credit is due to Mr. Smith, the foreman, who never tires working with carnations. The output of the place is handled by the Pittsburg Florists' Exchange.

J.

CHRYSANTHEMUMS

Identifying Chrysanthemums.

At this season of the year many of the expert growers of chrysanthemums receive packages containing flowers for identification.

Very few understand how difficult it is to identify them when they are received in poor condition, and possibly the recipient has been accustomed to perfect flowers while the specimens received are entirely different as to size, color and other qualifications.

As the foliage is often the surest means of naming, it is important in submitting samples to include a few leaves of each variety as this will be of material assistance.

If to be shipped by express they should be stored in a cool cellar with some light for at least 48 hours. This allows them to take up sufficient water to harden the foliage and petals. After selecting a box of suitable size, see that it is well lined with paper to exclude the air and if the weather is cold use sufficient inside or outside to protect them from frost.

Number the blooms consecutively and keep a copy of the memoranda. If they are large blooms it is well to make rolls of excelsior wrapped with paper to prevent the outside petals from being damaged against the bottom of the box and before packing, wrap each flower with wax paper to prevent bruising.

Begin by placing a roll of excelsior six or eight inches from the end of the box and then put in position so that the neck of the bloom will rest on the roll. When they are all arranged in proper position they should be fastened with wooden cleats so that they cannot shift.

Before nailing on the cover moisten the foliage well so they will arrive in the best possible condition. This completes the task except that the express charges should be prepaid.

If there are only a few small flowers they may be sent by mail. Each bloom should be wrapped as previously described to prevent evaporation and see that the box is of sufficient strength to resist crushing in transit.

Those sending seedlings and sports for consideration should take the same care in packing.

The conditions under which chrysanthemums are grown are so varied and the blooms themselves so similar that it is often very difficult and some times impossible to identify them.

There is considerable pleasure in examining such flowers as one often finds varieties that are old and grown in limited quantity at present. These are like old friends whom we are always glad to see again.

ELMER D. SMITH.

Chrysanthemum Society of America.

EXAMINING COMMITTEES.

President Duckham has announced the committees to examine seedlings and sports on dates as follows: October 6, 13, 20, 27 and November 3, 10, 17 and 24, 1906. Exhibits to receive attention from the committees must in all cases be prepaid to destination and the entry fee of $2 should be forwarded to the secretary not later than Tuesday of the week preceding examination, or may accompany the blooms. Special attention is called to the rule requiring that sports

A. F. LORCH AND HIS EMPLOYES, DE HAVEN, PA.
Mr. Lorch at the left.

to receive a certificate must pass three committees.

New York, Eugene Dailledouze, chairman, 55 and 57 West Twenty-sixth street, Thos. W. Head and Wm. Turner.

Philadelphia, Pa., A. B. Cartledge, chairman, 1514 Chestnut street, John Westcott and Wm. K. Harris.

Boston, Mass., E. A. Wood, chairman, Wm. Nicholson and James Wheeler. Ship flowers to Boston Flower Market, care of John Walsh.

Cincinnati, O., R. Witterstaetter, chairman, James Allen and Wm. Jackson. Ship flowers to Jabez Elliott Flower Market, care of janitor.

Chicago, J. S. Wilson, chairman, J. B. Deamud and Geo. Wienhoeber. Ship flowers care of J. B. Deamud, 51 Wabash avenue.

OFFICIAL JUDGING SCALES.

The official scales of the society are as follows:

FOR COMMERCIAL PURPOSES.

Color	20
Form	15
Fullness	10
Stem	15
Foliage	15
Substance	15
Size	10
Total	100

FOR EXHIBITION PURPOSES.

Color	10
Stem	5
Foliage	5
Fullness	15
Form	15
Depth	15
Size	35
Total	100

EDWARD LONSDALE.

WORK OF THE COMMITTEES.

New York, October 20. President Loubet, creamy white, exhibited by the E. G. Hill Co., Richmond, Ind., scored 90 points exhibition scale.

Mary Godfrey, Yellow Japanese incurved, exhibited by C. H. Totty, Madison, N. J., scored 85 points commercial scale.

Mrs. A. T. Miller, Japanese, pure white, exhibited by C. H. Totty, Madison, N. J., scored 87 points commercial scale.

Chicago, October 13. President Loubet, creamy white, exhibited by the E. G. Hill Co., Richmond, Ind., scored 86 points exhibition scale.

Cincinnati, October 20. Director Gerard, yellow Japanese reflexed, exhibited by the E. G. Hill Co., Richmond, Ind., scored 87 points commercial scale.

Fusee, light yellow Japanese, exhibited by E. G. Hill Co., Richmond, Ind., scored 85 points commercial scale.

Comoleta, clear bright yellow exhibited by Nathan Smith & Son, Adrian, Mich., scored 88 points commercial scale.

Philadelphia, October 27. Mrs. G. A. Lotez, creamy white, Japanese incurved, exhibited by Gustav A. Lotez, Glen Burine, Ind., scored 90 points commercial scale, and 89 points exhibition scale.

Mrs. Westray Ladd, yellow Japanese incurved, exhibited by Edward A. Stroud, Overbrook, Philadelphia, scored 87 points commercial scale.

New York, October 27. White sport from Wm. Duckham, blush white tint, exhibited by Chas. H. Totty, Madison, N. J., scored 90 points commercial scale, and 90 points exhibition scale.

Mamolese L. H. Cochet, pink Japanese incurved, exhibited by the E. G. Hill Co., Richmond, Ind., scored 85 points exhibition scale.

ESTABLISHMENT OF A. F. LORCH & CO., DE HAVEN, PA.

LISBON, O.—John W. Scott has installed a 70 H. P. steam boiler and built a large boiler house. He has also added one greenhouse 12x60 feet for bulb forcing.

RECENT BOOKS.

Lawns and How to Make Them.

As the author of this very useful and practical little work remarks, "the lawn is the foundation of the garden." Everyone who delights in a fine garden, likes to have a good lawn, and how this is to be obtained is shown in plain and simple words, and also by the aid of useful and suggestive illustrations. How not to do it, which is in many cases equally important, is also described, and the tyro in the art is advised to go most carefully through the first two chapters, where excellent reasons are given for the somewhat drastic measures recommended.

Someone has said that next to moving heaven, the biggest job on record is moving earth, and in the chapter devoted to the grading many useful hints are given that will save a great deal of this heavy work. We cordially agree with the author that just as thorough cultivation should be given to the soil for a lawn as for any other crop, for grass persistently and regularly cut is a very exhausting one. The notes on seeding instead of turfing are in every way excellent. Times are given for seeding, with the reasons why such times are correct and others not so suitable. Varying times for different localities, too, are sensibly argued, and what is very important, suitable varieties and mixtures for varying soils are given. The upkeep of a lawn, with instructions as to rolling and mowing, feeding, weeding, the destruction of injurious animals, insects, and fungoid pests, is very carefully treated and the advice given is in all cases reliable. In short any one having this book and the requisite material at hand must be dense indeed if he cannot successfully tackle the making of a lawn large or small.

The author, Leonard Barron, is a practical man, and has handled the subject well. The book is published at $1.10, and we can supply it on receipt of that sum.

Dware Fruit Trees.

In this interesting and very practical little book Prof. Waugh modestly disclaims any intention of improving commercial men, but there is much in it

WHITE LAWSON CARNATIONS AT THE ESTABLISHMENT OF A. F. LORCH & CO., DE HAVEN, PA.

that would well repay anyone's attention that is interested in fruit culture of any kind. The man who grows a little fruit as a hobby—and doubtless the number of these is increasing annually—will avoid many pitfalls and mistakes by studying these pages before making a start. Full directions are given for choice of trees and the reasons for dwarfing trees are so plainly set out that amateurs with no horticultural knowledge whatever, but simply a love for the thing, can go right ahead fearlessly with every confidence. The illustrations, taken from trees in the author's garden and elsewhere, are just what illustrations in such a book should be, simple, clear and instructive. Get it and read it; it is the best advice we can give. Pages 123, illustrations 45. Price pastpaid 50 cents.

QUERIES.

Boiler for Small Greenhouse.

ED. AMERICAN FLORIST:—

A customer of mine wants me to get him a boiler or heating apparatus for a small greenhouse, 12 x 20 feet. I proposed an upright round boiler, the fire being surrounded by water; the coal being put in at the top, and when once replenished in the evening will burn all night. We had such boilers in Paris, France, but I never saw one in this country. Not knowing of any firm in the east supplying such boilers, would you kindly advise me in your next number of THE AMERICAN FLORIST where I could get the boiler, or another apparatus suitable for the house, and when need be could be attended by a woman.

H. S.

Quite a number of American manufacturers of greenhouse boilers make them in magazine form as described, but there are others made without magazines that would answer equally well for the purpose. It will be no more trouble to run them than to take care of a large coal stove. It will be safe to order from the firms advertising in THE AMERICAN FLORIST, and I would select the one nearest to me.

L. R. T.

Advice on Greenhouse Building.

ED. AMERICAN FLORIST:—

I am building six new greenhouses, 22x200 feet, on a hillside. They average 10 feet to ridge, and have 3½-foot side walls. The boiler pit is at the southeast corner of all six houses, and the farthest point from the boiler will be 350 feet. Each house will have a fall of 10 feet from west to east point, and are built in three groups, two in a group, there being a space of about 10 feet between each group. I want to arrange it so as to be able to use either hot water or steam. I have some 2-inch pipe and a quantity of 1-inch pipe that I would like to utilize. What should be the size of the outflow and entrance from the boiler? The pipes will be on center and side posts of houses, as they will be ground beds. I want to maintain a temperature of 50° to 60° with outside temperature of 15° below zero.

W. H.

It is often possible to arrange a heating system so that steam can be used in severe weather and hot water during the months when but little heat is necessary, but it is seldom desirable to put in sufficient radiation to furnish the required heat with hot water for zero weather and at the same time arrange the system so that steam can be used. One difficulty with the present problem comes from the fact that one and one-half inch pipe is as small as should be used with hot water and for houses more than 75 feet in length; 2-inch pipe is better. The 1-inch pipe could, however, be used for steam heating by putting in three 2-inch pipes for flow and using nine 1-inch returns in each house, although it would be better to use two 2-inch flows and eight 1¼-inch returns.

For heating the houses with hot water, four 2½-inch flow pipes and ten 2-inch returns should be used. From the fact that there is to be a 10-foot fall in the houses and presumably the boiler will be below the surface, hot water might be used in the steam system even with the 1-inch pipe in mild weather.

L. R. T.

Sets World Smoking Record.

London, October 27.—At the pipe smoking competition at the brewers' exhibition in Islington yesterday, the world's record for a nonstop smoke was broken by a Highgate gardener named Catling, who kept an old briar root pipe alight an hour and fifty-three minutes.

Each of the numerous competitors took his own pipe and was supplied with an eighth of an ounce of tobacco, and at the word "Go" the matches were struck. Six seconds were allowed for lighting and after that no re-lighting was allowed.

The second place winner kept his pipe going an hour and fifty minutes and the third one hour and thirty-five minutes.—Chicago Tribune.

Illinois State Florists' Association.

A meeting of the executive committee of the Illinois State Florists' Association will be held in Chicago during the flower show on Thursday, November 8, at 2 p. m., in the Coliseum building. These meetings are beginning to show good results. The final arrangements will be made for our annual meeting to be held at Bloomington on the second Tuesday in February. All florists are requested to attend this meeting. A visit to the great Chicago flower show is well worth your while, so come and do not miss either.

J. F. AMMANN, Pres.

EXHIBITIONS.

Kansas City Flower Show.

At a meeting in Kansas City, last spring, of convention hall directors, under whose auspices recent flower shows have been held, the decision was reached, that no show would be given this fall. Of most importance among the reasons given, was the question concerning attendance. Recalling previous exhibitions which were given in consecutive years, it was shown that the attendance fell considerably short. Compared with recent shows which have been held every two years, it was cited that a greater amount of appreciation and public interest was manifested.

The show given last fall was a brilliant success from every standpoint. In beauty it was invariably admitted by prominent business men of the trade to have surpassed anything ever attempted. From a financial standpoint it was very satisfactory, the attendance for the week reaching the large total of 31,536 paid admissions. In the number of exhibits, it was equal to, and in many classes the number of entries exceeded those of shows held in eastern cities.

A good feeling was established toward the management on account of its promptness in making settlements; all awards as previously announced were made on the last day of the show, regardless of the gate receipts.

Expressions have been made by some florists, in regards to next year's show of their preference for an exhibition to be given by florists. Several good reasons may be brought forward against such a movement. If the show be conducted on that basis, it is to be considered that public opinion would very likely indicate such a feeling that the affair was being carried on altogether as a money making proposition. Further the mere fact of having the affair in convention hall, and the responsibility resting with convention hall directors, men who comprise the business of the community, is pretty good assurance of success. Again the item of expenses, if conducted by the florists, would greatly exceed those under convention hall management.

Our last show illustrated that the consolidated efforts of the local florists and the management of the hall resulted in "the best show ever held in America." An early decision should be met with in reference to holding a bigger and better show next year which would be much to the advantage of the affair.

K. C.

Massachusetts Horticultural Society.

The annual chrysanthemum exhibition of the Massachusetts Horticultural Society will be held at Horticultural hall, 300 Massachusetts avenue, Boston, on Friday, Saturday, and Sunday, November 2-4. This is the society's greatest show of the year and it is expected that the display of this queen of autumn flowers on this occasion will surpass in magnificence any previous exhibition.

In addition to chrysanthemums there will be a fine showing of other flowering plants, orchids, fruits, and vegetables, from many noted gardens and greenhouses in the vicinity of Boston.

A special feature will be the competition for decorated dinner tables for which three large prizes are offered.

A LARGE peanut dealer in Norfolk, Va., says that the peanut crop in the United States now amounts to 11,000,000 bushels annually. The total sales amount to between $8,000,000 and $10,000,000.

Lenox, Mass.

The annual chrysanthemum exhibition of the Lenox Horticultural Society took place in the town hall October 24 and 25. This was hardly as good an exhibition as in former years, owing to the lack of cut chrysanthemums, which are unusually late this year.

The F. R. Pierson & Co.'s Silver Cup, offered for chrysanthemums, six varieties, three blooms of each, selected from their novelty list, for 1906, was won by E. Jenkins, with Morton F. Plant, Beatrice May, Mrs. Geo. Heaume, Mrs. Henry Partridge, W. W. Wells, and Glenview. A. F. Boddington's prize for 24 blooms, distinct varieties, was also won by E. Jenkins. Chas. Totty's prize for six blooms on long stems, of Beatrice May, was won by E. Jenkins, 1st; Thos. Proctor, 2nd, and S. Carlquist, 3rd. Howard & Morrow's prize for vase of 36 blooms went to R. Spiers, 1st; A. H. Wingett, 2nd., and E. Jenkins, 3rd. The other chrysanthemum classes were won by E. Jenkins, Robt. Spiers, A. H. Wingett, S. Carlquist, A. J. Loveless, Thos. Proctor, J. J. Donahue, D. Dunn and F. Heeremans.

The Bay State Nursery prizes for three specimen plants and one specimen plant were won by E. Jenkins and R. Spiers.

F. Heeremans was first in the group of miscellaneous plants arranged for effect, with a superb group, the background of which was made up of three good specimen kentias, two plants of Licuala grandis, some excellent colored crotons, Adiantum Farleyense, Begonia Rex and Cattleya labiata; the ground of the group was wavy, and consisted of Adiantum Farleyense, Lilium longiflorum, Cattleya labiata and various stove plants; on each corner was a plant of Chamædorea Arenbergiana, from which was hung Phalænopsis amabilis, and in the middles was an extra fine piece of Croton Prince of Wales, surrounded by Cattleya labiata Phalænopsis amabilis and lily of the valley. E. Jenkins was second in this class, with a magnificent group also; his background consisted of some fine plants of Areca lutescens, Cocos flexuosa, some large trellises of English ivy, on which were hung Begonia Glorie de Lorraine and Oncidium varicosum; the ground work consisted of mounds of Croton superbissimum and C. Prince of Wales, around which were Begonia Turnford Hall, lily of the valley, Lilium speciosum album, Adiantum Farleyense and Cattleya labiata with Cocos flexuosa gracefully drooping over the whole.

F. Heeremans put up a good group of orchids on a round table in the middle of the hall. Roses were well shown. Thos. Proctor's Richmond blooms were excellent. The principal winners in these classes were Thos. Proctor, E. Jenkins, F. Heeremans, Thos. Page, J. J. Donahue, R. Spiers, A. H. Wingett, Thos. Dixon and D. Dunn.

The carnation tables the judges found a hard proposition, for competition was very close. The winners were the ones above, with E. Dolby, H. P. Wookey and L. W. Acheson added. In E. Dolby's vase of 50 blooms was an excellent white seedling of his own raising which promises fair to become a winner. The Vaughan's Seed Store prize for collection of 18 varieties of vegetables was won by E. Jenkins. In the class for 12 varieties of vegetables the judges met another hard proposition. Thos. Page was first, with S. Carlquist second and D. Dunn third.

Lager & Hurrell staged a nice group of orchids and were awarded a first-class certificate, as also was F. I. Drake, of Pittsfield, for a bunch of Gov. Herrick violet. Jas. Crawshaw of Olneyville, R. I., was also awarded a first-class certificate for his new Asparagus plumosus Crawshawi.

The judges were A. Herrington, C. H. Totty, W. Duckham of Madison, N. J., and G. H. Hale of Oceanic, N. J.

G. F.

At Kansas City.

The Kellogg Florists' Bowling Club in its weekly meet at the Brunswick alleys, resulted with Ed. Ellsworth making the highest score. Following is the score:

	1st.	2d.	3d.	Ttl.
Ed. Hunt	123	142	181	446
Geo. Bastain....	131	94	109	334
E. D. Ellsworth.	155	165	141	461
L. Roberts.....	160	142	123	425
C. Painter.....	130	112	141	383

K. C.

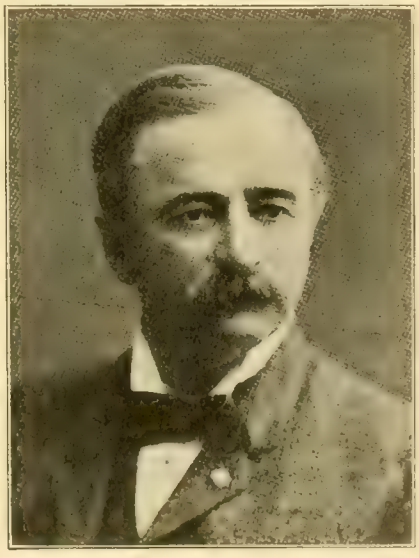
OBITUARY.

J. L. Dillon.

J. L. Dillon, of Bloomsburg, Pa., one of the best known and most highly respected men in the trade, was killed October 30, at 9 a. m., at East

The Late J. L. Dillon.

Bloomsburg station on the Pennsylvania railroad. With his men he went to the station to direct the unloading of a car of coal. The car not being in the right position, he asked his men to start it and being on a down grade it moved off quite lively. Mr. Dillon stepped in front and was caught by the car, which ran over his



The Late Lewis Ullrich.

legs. A bolt caught in his coat collar, dragging him on his face five feet and when removed 15 minutes later he was dead. The lamentable accident is doubly sad for Mrs. Dillon, as her father, Mr. Hutching, of Kingston, Pa., was to be buried October 31.

Mr. Dillon was well and favorably known in the trade and he had an extensive greenhouse establishment at Bloomsburg. His specialties were verbenas and carnations. One of the carnations which we believe was introduced by him some years ago, was very popular and is still grown very extensively, namely Queen Louise. In addition to this for some years, he carried on an extensive business in greenhouse building under the title of the Dillon Greenhouse Mfg. Co. Mr. Dillon was a charter member of the Society of American Florists and regular in his attendance at the annual conventions. He was always ardently identified with every movement for the advancement of horticulture and floriculture, and well liked by all those who came in contact with him either in a business way or socially. Mr. Dillon was 55 years of age and Mrs. Dillon with three sons and one daughter survive.

Lewis Ullrich.

Lewis Ullrich, of Tiffin, O., died October 29. Mr. Ullrich had been in rather poor health for some time. He was well known in the trade, being a member of the American Carnation Society and since 1896 a member of the Society of American Florists. At the St. Louis convention in 1904 he was a candidate for the presidency of the latter society, receiving 99 votes. Mr. Ullrich was a native of Bavaria and was born at Kerweiler in 1848, coming to this country with his parents when a child. He finally located at Tiffin in 1862, and was educated at the public schools, completing his course at Heidelberg, Germany. At one time he was engaged in the druggist business and in 1880 built his first commercial greenhouses in the suburbs of the city. Since that time he built up a very considerable business in the wholesale trade, making a specialty of bedding plants. Mr. Ullrich served several years as a member of the city council and three terms as county clerk. He was a prominent member of the Knights of Columbus. The family includes two sons who will probably continue the business. Funeral services will be held at 10 a. m., November 2.

R. S. Mendenhall.

R. J. Mendenhall, of Minneapolis, Minn., one of the early settlers in the northwest, died October 19. Mr. Mendenhall located in Minneapolis at the time of the boom there in real estate and was prominent in the business circles. For many years he carried on an extensive greenhouse business, but ill health compelled him to give it up. Mr. Mendenhall in the early days occupied a number of important public offices, and with Mrs. Mendenhall was quite prominent socially, being members of the Quaker church.

TRAVERSE, MICH.—F. M. Paine is making a large addition to his greenhouse, and when all is completed he will have the finest and largest greenhouse north of Grand Rapids, Mr. Paine is more than doubling the size of his present quarters.

THE AMERICAN FLORIST

TWENTY-SECOND YEAR.

Subscription, $1.00 a year. To Europe, $2.00 Subscriptions accepted only from those in the trade.

Advertisements, on all except cover pages, 10 Cents a Line Agate: $1 00 per inch. Cash with Order.

No Special Position Guaranteed.

Discounts are allowed **only on consecutive insertions**, as follows—6 times, 5 per cent: 13 times, 10 per cent: 26 times, 20 per cent: 52 times, 30 per cent.

Space on front pages and back cover page sold only on yearly contract at $1.00 per inch, net.

The AMERICAN FLORIST Advertising Department is for florists seedsmen and nurserymen and dealers in wares pertaining to those lines only.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Monday to secure insertion in the issue of the same week. Address

AMERICAN FLORIST CO., Chicago.

When sending us change of address always send the old address at the same time.

We do not assume any responsibility for the opinions of correspondents.

THIS ISSUE 52 PAGES WITH COVER.

CONTENTS.

Florists' plant notes.....673
The retail trade.....675
—A Kansas City show window (illus.) 675
—Florists' store windows in New York 675
A visit to Elkins Park, Pa.....676
With the growers.....677
—John R. Hellenthal, Columbus, O., (illus.) 677
—Pittsburg Cut Flower Co., Ltd...677
—Albert T. Lorch, DeHaven, Pa., (illus.) 678
Chrysanthemums 678
—Identifying chrysanthemums.....678
—Chrysanthemum Society of America 678
Recent books 679
—Lawns and How to Make Them..679
—Dwarf Fruit Trees.....679
Queries—Boilers for small greenhouse 680
—Advice on greenhouse building..680
Illinois State Florists' Association..680
Exhibitions—Kansas City flower show 680
—Massachusetts Horticultural Society 680
—Lenox, Mass. 680
Obituary—J. L. Dillon.....681
—Lewis Ullrich 681
—R. S. Mendenhall.....681
American Carnation Society.....682
Examiners of plants.....682
Are set designs popular.....682
Coming exhibitions 683
Meetings next week.....683
Chicago notes 684
St. Louis 684
Baltimore 685
Kansas City 686
Buffalo 686
Toronto 687
Louisville 687
Chicago 691
Philadelphia 692
Boston 692
New York 694
Washington 694
Pittsburg 694
The seed trade.....698
—The question of discounts.....698
—French seed crops.....698
The nursery trade 700
—American Civic Association.....700
Cleveland 700
Los Angeles 715

FROSTS likely to put that stock in good shipping condition are reported in the holly woods.

EXHIBITORS should note that the date of the Providence, R. I., show has been changed from November 9 and 10 to November 13 and 14.

SNOW has fallen at this writing in the Wisconsin woods, following continued rains, and the amount of bouquet green picked so far is exceedingly limited.

ACCORDING to recent decisions of the board of general appraisers at New York terra cotta grass growing heads and figures are dutiable as common brown earthenware under Paragraph 94, Tariff Act of 1897. Sea moss, which has been dyed for the purpose of preserving its natural form and color, such process of dyeing not having changed its name or character, is dutiable at 10 per cent ad valorem.

American Carnation Society.

CARNATION REGISTERED.

By Malachy Tierney, gardener to Robert Hartshorne, Highlands, N. J. Mrs. Robert Hartshorne, a cross between Gen. Maceo and Mrs. T. W. Lawson; color, bright scarlet; size, three to three and one-half inches, with a good strong calyx that does not burst, and on strong stiff stems two to three feet long. An exceptional keeper, flowers having kept fresh from 12 to 15 days, and has a strong clove odor. A good clean grower producing an abundance of bloom.

ALBERT M. HERR, Sec'y.

Examiner of Plants.

CUSTOM-HOUSE SERVICE, NEW YORK, N. Y. NOVEMBER, 14, 1906.

The United States civil service commission announces an examination at Brooklyn, N. Y., on November 14, 1906, to secure eligibles from which to make certification to fill a vacancy in the position of examiner of plants, bulbs, nursery stock, fresh flowers, seeds not medicinal, fresh vegetables, etc., at $1,800 per annum, in the office of the appraiser of merchandise at the port of New York, and similar vacancies as they may occur there in the custom house service.

The examination will consist of the subjects mentioned below, weighted as indicated:

Subjects.	Weights.
1. Practical tests	70
2. Arithmetic (fundamental rules, fractions, percentage, interest, discount, analysis, and conversion of currency)	15
3. Penmanship (the handwriting of the competitor in the subject of letter writing will be considered with special reference to the elements of legibility, rapidity, neatness, general appearance, etc.)	5
4. Letter writing (a letter of not less than 150 words on some subject of general interest. Competitors will be permitted to select one of two subjects given)	10
Total	100

Competitors who fail to attain a rating of 70 per cent in the practical tests will not be rated upon the remaining subjects of the examination.

Age limit, 20 years or over on the date of examination.

This examination is open to all citizens of the United States who comply with the requirements.

Applicants should at once apply to the secretary of the board of examiners, custom-house, New York, N. Y., for application Form 1371. No application will be accepted unless properly executed and filed with such secretary prior to the hour of closing business on November 9, 1906. In applying for this examination the exact title as given at the head of this announcement should be used in the application.

Are Set Designs Popular?

ED. AMERICAN FLORIST:—

At the recent convention I heard it remarked that set designs were not so much used as formerly, and that some florists are not encouraging their use. This is a great mistake. As florists we should keep up every branch of the retail business as much as possible, and it would certainly be unwise to give any customer the idea that set designs, or any other floral creations, are out of date.

We must sell all and every kind of arrangement possible, for we follow only one line, and it is necessary to develop and cultivate this to the fullest possible extent. Florists ought to keep in mind the increasing demand for birthday bouquets, and push these wherever possible. Think of the great trade that might be built up of this alone should the giving of birthday bouquets become a general custom. Orders for them should reach every prominent florist daily.

V. J. G.

Greenhouse Building.

Akron, N. Y.—Mrs. Newman, three new houses, 26x120 feet.

Pine Hill, N. Y. — Reichert Bros., three new houses, 20x100 feet.

Watervliet, N. Y.—Julius Gabriels, two greenhouses on the Spring street road.

Olyphant, Pa.—E. J. Hull, one new greenhouse.

Sterling, Ill.—Robt. Lundstrom, large additions to greenhouses.

Brooklyn, N. Y.—M. Schulze, one greenhouse, 19 x 48 feet, to cost $5,000.

Pittsfield, Mass.—R. Engelman & Son, several new greenhouses.

Buffalo, N. Y.—Humboldt park, one 80-foot greenhouse with two 100-foot wings.

Sterling, Ill.—J. A. Swartley, one new greenhouse, 46 x 200 feet, for carnations.

Tacoma, Wash.—Louis Tschunko, three greenhouses, 20 x 100 feet to cost $1,500.

Greenfield, Ind.—Jacob Forest, addition to greenhouse.

Belfast, Me.—Willis E. Hamilton, one rose house, 32 x 62 feet.

Philadelphia, Pa.—Geo. L. Grand, one greenhouse, 18 x 27 feet, to cost $400.

West Newton, Mass.—Wm. Folsom, one new greenhouse.

Saratoga Springs, N. Y.—T. J. Totten, one new greenhouse, 30x100 feet.

Meriden, Conn.—R. W. Barrow, one new greenhouse under 25,000 feet of glass.

Flatbush, N. Y.—John Scott, three new greenhouses.

Washington, D. C.—J. Louis Loose, one modern greenhouse.

Lisbon Falls, Me.—H. W. Blenthen, an addition of 150 feet.

Franklin, Mass. — Kelley Bros., one greenhouse, 22x70 feet.

Iowa City, Ia.—Iowa university, one greenhouse 18x60 feet to cost $3,000.

Danbury, Conn.—Lester O. Peck, one new 90-foot greenhouse.

New York.—Central park, one new greenhouse.

Springfield, Mass. — F. S. Pearson, three greenhouses.

Waterbury, Conn.—W. E. Sessions, greenhouses 20x150 feet.

Coming Exhibitions.

(Secretaries are requested to supply any omissions from this list.)

BOSTON, MASS., November 2-4, 1906.—Chrysanthemum exhibition Massachusetts Horticultural Society. Address Wm. P. Rich, Horticultural hall, 300 Massachusetts avenue, Boston, Mass.

CHICAGO, November 6-11, 1906.—Annual exhibition Horticultural Society of Chicago. Address Willis N. Rudd, Blue Island, Ill.

DENISON, TEX., November 8-10, 1906.—Annual flower show Denison Civic Improvement League. Address T. W. Larkin, Denison, Tex.

NEW HAVEN, CONN., November 6-8, 1906.—Annual exhibition New Haven County Horticultural Society. Address Thos. Pettit, 90 Prospect street, New Haven, Conn.

ORANGE, N. J., November 5-6, 1906.—Twelfth annual flower show New Jersey Floricultural Society. Address Joseph B. Davis, Orange, N. J.

PROVIDENCE, R. I., November 13-14, 1906.—Chrysanthemum and carnation exhibition Rhode Island Horticultural Society. Address C. W. Smith, 27-29 Exchange street, Providence, R. I.

TORONTO, ONT., November 6-10, 1906.—Annual Ontario Horticultural exhibition. Address H. B. Cowan, Parliament building, Toronto, Ont.

WORCESTER, MASS., November 8, 1906.—Chrysanthemum exhibition Worcester County Horticultural Society. Address Adin A. Hixon, Horticultural hall, 18 Front street, Worcester, Mass.

LAKE GENEVA, WIS., November 9-10, 1906.—Chrysanthemum exhibition Lake Gevena Gardeners' and Foremen's Association. Address Alex. Johnson, Lake Geneva, Wis.

Meetings Next Week.

Butte, Mont.—Montana Florists' Club, Columbia Gardens, November 9.

Chicago.—Chicago Florists' Club, Handel hall, 40 Randolph street, November 8, at 8 p. m.

Cincinnati, O.—Cincinnati Florists' Society, Jabez Elliott Flower Market, November 10, at 8 p. m.

Davenport, Ia.—Tri-City Florists' Club, November 8.

Dayton, O.—Dayton Florists' Club, 112 South Main street, November 5.

Denver, Col.—Denver Floral Club, 323 Charles block, November 9, at 8 p. m.

Des Moines, Ia.—Des Moines Florists' Club, Iowa Seed Co.'s store, November 6, at 8 p. m.

Hamilton, Ont.—Hamilton Gardeners' and Florists' Club, office of member, November 6, at 8 p. m.

Hartford, Conn.—Hartford Florists' Club, November 9, at 8 p. m.

Indianapolis, Ind.—State Florists' Association of Indiana, Commercial Club rooms, November 6, at 7:30 p. m

Lake Forest, Ill.—The Horticultral Society of Lake Forest, Winter club, November 6, at 8 p. m.

Louisville, Ky.—The Kentucky Society of Florists, November 6, at 8 p. m.

Montreal, Que.—Montreal Gardeners' and Florists' Club, Alexandria rooms, 2204 St. Catherine street, November 5.

New Bedford, Mass.—New Bedford Florists' Club, November 8.

New Orleans, La.—German Gardeners' Club, 624 Common street, November 7, at 8 p. m.

Newport, R. I.—Newport Horticultural Society, November 7.

Omaha, Neb.—Nebraska Florists' Society, city hall, November 8, at 8 p. m.

Philadelphia, Pa.—Florists' Club of Philadelphia, Horticultural hall, Broad street above Spruce, November 6, at 8 p. m.

Pittsburg, Pa.—Pittsburg and Allegheny Gardeners' and Florists' Club, 422 Sixth avenue, November 6, at 8 p. m.

Salt Lake City, Utah.—Salt Lake Florists' Club, Huddart Floral Co., 114 East Second South street, November 6.

Seattle, Wash.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street, November 6.

St. Louis, Mo.—St. Louis Florists' Club, Grand and Shenandoah streets, November 8, at 2 p. m.

Washington, D. C.—Washington Florists' Club, Schmidt's hall, 516 Ninth street, N. W., November 6.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

Cash with Adv.

Plant Advs. NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1906 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—By A1 grower of roses and general stock; capable of managing large plant. H. BORNHOFT, West Seattle, Wash.

Situation Wanted—By a florist, 25 years old, grower of cut flowers and pot plants, also well posted on store work. Address Key 829, care American Florist.

Situation Wanted—By a florist salesman, designer and thorough seedsman; age 30; capable of taking charge of store. Address Key 827, care American Florist.

Situation Wanted—By practical, experienced grower of roses, carnations and general stock; is capable of taking entire charge. Address THE ROSEDALE FLORAL CO., McHenry, Ill.

Situation Wanted—By a No. 1 carnation grower, at liberty Nov. 15; 18 years' practical experience in commercial places; married; German American; no children; age 30 years, stricty temperate. Address Key 826, care American Florist.

Situation Wanted—A young florist with experience and skill in all kinds of floriculture, speaking French, Italian and English, desires position. Understands thoroughly mushroom culture. Address FLORIST, care Secretary Cooper Union, New York.

Help Wanted—One rose grower, one helper, and one for propagating and potting. Address J. F. WILCOX, Council Bluffs, Ia.

Help Wanted—Florist and landscape gardener. Must be competent, sober and industrious. Address OXFORD RETREAT, Oxford, O.

Help Wanted—Married man, with references, for a carnation section. State wages wanted. Address Key 817, care American Florist.

Help Wanted—Young man for general greenhouse work; wages, $45.00 per month and board; must have good references. STATE NURSERY COMPANY, Helena, Mont.

Help Wanted—Florist for commercial place, wages $25.00 per month and board. Send copy of references. Address Key 828, care American Florist.

Help Wanted—A carnation and plant grower. Address, with particulars as to experience and wages expected. Key 818, care American Florist.

Help Wanted—Bright young man who understands work in retail flower store; good designer and salesman. Address SMITH & FETTERS, 735 Euclid Ave., Cleveland, O.

Help Wanted—A good all-around man for florist's store, with good reference; wages $18 per week. Apply to GEO. H. COOKE, Connecticut Ave. & L St., Washington, D. C.

Help Wanted—A rose grower to take charge of a section; must be sober and reliable; state references and wages. Address C. C. POLLWORTH CO., Milwaukee, Wis.

Help Wanted—Good general greenhouse man for retail place. State experience and give full particulars first letter; $50 00 per month to begin. Address C. H. GREEN, Fremont, Neb.

Help Wanted—Night fireman who understands steam boilers, steam fitting and ventilating; steady position. State experience, salary and reference. THE GASSER COMPANY, Rocky River, Ohio.

Help Wanted—A strong active young man who has been accustomed to growing cucumbers for market and general greenhouse work; state wages wanted; references required. Address Key 824, care American Florist.

For Sale—Nine greenhouses, dwelling house and barn, 3½ acres of ground. For particulars address P. O. Box 109, Newtown, Bucks Co., Pa.

For Sale—Established retail florist business in St. Louis, Mo., doing $7 500 00 to $8,500.00 per year. Address Key 823, care American Florist.

For Sale—A1 down-town retail store for sale; established 10 years; bargain. Enquire VAUGHAN & SPERRY, 60 Wabash Ave., Chicago.

For Sale—Flower store and greenhouse, splendid location and good, established trade. Will sell cheap on account of other business. Address Key 808, care American Florist.

For Sale—A greenhouse business, established 14 years, with dwelling, in growing town seven miles from Philadelphia; fully stocked; no opposition; everything in good shape to go right ahead. Best of reasons for selling. Address F. R. MATSINGER, Palmyra, N. J.

For Sale—A thriving florists' business in Illinois; 20,000 ft. of glass, all planted with roses, carnations, 'mums and general stock in fine condition; modern 10-room dwelling, all built within the last 10 years; last year's sales, $6,000.00. Cause for selling, other business. Address Key 805, care American Florist.

For Sale—All the glass 10x12 double strength A, on five houses, each 20 ft. by 115 ft., for $500 as it stands. Will include sash bars and doors. Also two Kroeschell hot water boilers; one steam boiler, 20 H. P., used three months, dirt cheap. Several thousand feet 4 inch hot water pipe, 7c per foot. BRANT & NOE FLORAL CO., W. Peterson and N. 48th Aves., Chicago.

For Sale—Worthington duplex steam pump, capacity 30-40 gal. per minute in good condition, $45.00; No. 1 receiver and fittings for pump, good as new $50.00. Dean pump for hand or steam, almost new, $20.00; 6-inch pressure regulator, used two seasons, $50.00; 2½-inch pressure regulator, $18.00. Carnation supports $15.00 per 1000; $125.00 for 10,000. JAMES W. DUNFORD, Clayton, Mo.

FOR SALE.

Old established retail florist's store. Reason for selling going west. For particulars, write to

F. K., 700 N. 5th St., Philadelphia, Pa

FOR SALE.

Des Moines, Iowa, wholesale and retail greenhouse establishment, 29,000 feet of glass, three acres of ground, well located, all in good order, with good wholesale and retail trade. Price, about $8,400; terms reasonable.

VAUGHAN'S SEED STORE
CHICAGO.

BOILERS.

One 80 H. P. return tubular, one 32 H. P. upright tubular, for sale at buyer's price. Must be moved at once. Address

1416 Washington Ave.,
PHILADELPHIA.

WANTED.

A young man between 25 and 35 years of age who has had some experience on an ornamental nursery and who is interested in the work. Applicants must be of sober habits, industrious, not afraid of work, and possess executive ability. A German, Hollander or Swede preferred, but any hustler will be considered. For the right party this will be a very good position, on one of the largest ornamental nurseries in the country. Location: 60 miles from New York, 30 miles from Philadelphia and one mile from a city of 85,000 inhabitants. Reference required. Apply at once, stating nationality and religion and whether married or single, last employer and wages expected. Address Key 825, care American Florist.

GLASS FOR SALE.

We have for sale a quantity of A. and B. double thick, Pennsylvania hand made, tank glass, all of which runs exceptionally uniform in quality and thickness. Terms cash. Inquiries solicited.

King Construction Co.
NORTH TONAWANDA, N. Y.

It is good business policy to mention the *American Florist* .....when writing to an advertiser.

VISITING FLORISTS: We RESPECTFULLY INVITE you, while in Chicago attending the flower show, and upon your tour of inspection of the various greenhouses, to visit OUR GREENHOUSES, and we will take pleasure in showing you about, at the same time CONVINCING you that WE SHALL this season cut stock of the HIGHEST QUALITY. From the evidence of our plants, the cuts therefrom will be UNEQUALED on this market.

SEEING IS BELIEVING and is the strongest proof, therefore to fully CONVINCE you that our cuts of BEAUTIES, RICHMONDS, BRIDESMAIDS, BRIDES and CARNATIONS will be such as we claim, HIGHEST QUALITY, we invite you one and all to COME OUT TO OUR GREENHOUSES and judge for yourself where the BEST STOCK may be obtained.

Greenhouses located at Bowmanville, at terminus of Lincoln avenue electric cars.

For further particulars call at our Chicago store

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty.....

WHOLESALE GROWER of **CUT FLOWERS**

Chicago Notes.

Grandpa Vaughan.

Patrick Buckley, a fern peddler, arrested in Oak Park charged with trying to extort money from his patrons, was fined $15 and costs by Justice Kendall, October 29. Buckley, who claimed to be a florist, was selling ferns in the town.

The popularity of the orchid is rapidly increasing. The number of society people wearing them at the opening day of the horse show was very large, while hand bouquets and box decorations of the beautiful blossoms were also numerous.

Albert T. Hey, of Springfield, was elected grand master of the grand council of royal and select masters of the state of Illinois. The position is that of presiding officer, and the body is one of the higher bodies of Masonry. It is thought that this is one of the highest honors ever conferred upon a florist.

The Ernest Weinhoeber Co. has issued a very neat "Engagements" booklet which it is mailing to its customers. It is a very dainty affair, containing no advertising matter except the firm's name, business and address on the title page. The blank pages are each dated for two days, from October 15 to June 30.

Work on the new public golf links at Garfield park has been begun. The grading necessary to remove what was left of the old cement bicycle speedway has progressed so far as to leave no doubt about the lawn being in shape early next season. All the lawns will be sowed with the best quality of bent grass seed.

The new firm of Schroeder & Meyer, who recently opened a stand in the Flower Growers' Market, is planning some extensive improvements on their plant at South Holland. Shortly after Christmas an addition, 20x100 feet, will be built as well as a new boiler house and several new sheds. Their carnation plants are in fine shape and are just about to yield what is expected to be a fine crop.

St. Louis.

The market continues strong with clear, cool weather. Nothing is very plentiful. Carnations were perhaps a little more plentiful but demand is such that everything is cleaned up, in fact it has been some time since any of the wholesale houses had anything left over to amount to anything. Chrysanthemums do not seem to be over abundant. There has been a steady demand for fine and medium grades. Quite a large quantity of flowers were used last week Saturday for the Faust funeral. Almost every prominent store had orders from the different tradesmen having connection with the Tony Faust firm. Violets are increasing and are much improved in color and length of stem. Roses are not over abundant, white especially were in demand last week. Greens are selling well.

THE ST. LOUIS HORTICULTURAL SOCIETY.

Thursday, October 25, a meeting of the St. Louis Horticultural Society was held at the home of the society's president, the members assembling at the greenhouses of C. Young & Sons. After a tour of a very profitable inspection the party was guided to the home of President Harry Young who with well chosen and feeling words declared the meeting duly opened for the transaction of business. After the hearing of the reports the assembly by vote unanimously adopted the name of the St. Louis Horticultural Society, by vote, also a committee, comprising F. C. Weber, C. C. Sanders and Otto G. Koenig, was appointed to present at the next meeting a complete set of by-laws. Interesting topics, such as how to take care of plants in a residence, etc., were discussed. Judging from the very enthusiastic start the society has made it bids fair to be one of the brightest stars in the horticultural firmament. After the meeting was closed the members adjourned to the most enjoyable event that has so far occurred during the life of this infant society. It enjoyed the hospitality and kindness of its president, Harry Young, to whom a hearty vote of thanks was given. The members went to their homes anxiously awaiting the call for the next meeting.

NOTES.

The St. Louis Florists' Club will hold a chrysanthemum exhibition November 8, at 2 o'clock, in its meeting rooms, Strausberger's hall, C. S. A. scale of points to be used. Prizes are open only to local growers. The regular monthly meeting will take place at the same time. Matters of great importance to all members will come up, one in particular of holding a big flower show next year.

Fifty dollars in prizes are offered by the St. Louis Florists' Club, as follows: best 12 cut blooms, white, $7.50, $5.00, $2.50; yellow, $7.50, $5.00, $2.50; pink, $7.50, $5.00, $2.50; best specimen plant, any color, $5.00.

Ostertag Bros. had their hands full last Friday. They worked all night having the bulk of the funeral work for the Faust funeral. They made a very handsome pall of lily of the valley, double violets and orchids, one flat bunch of 100 American Beauty, one big gate made of rustic oak eight feet high, a large heart of Enchantress carnations with German letters of double violets.

Among the earliest arrivals with sweet peas are those from the greenhouses of Arnold Scheidegger, Kirkwood. He expects to have a fine crop of sweet peas, violets and carnations in the near future.

Young & Sons are cutting some fine white and yellow chrysanthemums from their greenhouses. They have at their down town store a grand window display entirely of bulbs.

Andrew Meyer was very busy last Saturday. He had several very handsome designs and bunches for the Faust funeral.

W. C. Smith & Co. are disposing of large quantities of flower pots, also Boston ferns and Asparagus plumosus.

Quite a curiosity was seen at Angermueller's last week, a bunch of purple outdoor lilacs from Mississippi.

C. A. Kuehn is receiving some fine roses from Miss Belle Miller, Springfield, Ill.

Gullett & Sons, of Lincoln, Ill., are shipping some good roses to this market.

Thompson & Co. are building three greenhouses at Forest park for the city.

W. F.

Exhibition Stock

FOR THE FALL SHOWS.

AT MODERATE PRICES

THE KIND THAT WINS PRIZES

17 Firsts on 19 Entries at Illinois State Fair

We are now cutting heavily on **Roses, Beauties, Carnations, Valley, Lilies, Asparagus.** (extra long strings), **Adiantum, Sprengeri** and **Smilax. The quality** of our Roses was never so good as this season. Richmonds are especially select long stems. We submit our price list. : : : : : :

CHRYSANTHEMUMS	doz.,	$2.00 to $4.00
AMERICAN BEAUTIES		
Select, long	per doz.,	$3.00 to $4.00
Select, medium	per doz.,	1.50 to 2.00
Select short	per doz.,	.50 to 1.25
Maid, Bride, Killarney, Chatenay, Perle,		Per 100
Select		$6.00
Medium		4.00
Short		$2.00 to 3.00
Richmond, Kaiserin, select		6.00 to 8.00
Medium		4.00
Short		2.00
Carnations		2.00 to 3.00
Valley, select		4.00
Lilies		16.00
Violets		1.00
Asparagus	per string,	50c
Sprays	per bunch,	25c to 35c
Sprengeri	per bunch,	25c to 35c
Smilax	per doz.,	$1.50
Adiantum	per 100,	75c to 1.00
Ferns	per 1000,	1.50

POEHLMANN BROS. CO.

WHOLESALE GROWERS OF CUT FLOWERS

'Phone Central 3573. **33-37 Randolph St., CHICAGO.**

Baltimore.

STOCK SCARCE.

Rain and rain, mist, drizzles, and down-pours, made up the programme of October weather. Instead of blue skies and inspiring airs with the brisk clear atmosphere of early autumn, there have been leaden clouds and dreary November-like fogs and almost unremitting showers and floods. Now we are hoping, as a consolation, for the crisp delicious Indian summer which normally makes in this latitude life worth living. The sharp freeze which without notice snapped all the life out of outdoor flowering plants seems to have stimulated the business in inside stock and the demand in some materials is greater than the supply. For a week there has not been anything like enough carnations and chrysanthemus to satisfy the market. Roses are more abundant, but in all lines there are not enough really good flowers to go around.

NOTES.

Edwin A. Seidewitz, whose lease on the premises on Lexington street which he has long occupied is expiring, will remove about November 10 to the store 323 North Charles street. Here he will be in the very thick of the flower trade, the Halliday Bros., Feast & Sons, John Cook and Wm. J. Halliday being all congregated in the same block and within a few doors of his new location. Competition makes business, according to the old adage, and Mr. Seidewitz is energetic and resourceful and will doubtless get his own share of the traffic.

The new Latrobe park, one of the units in the new chain of municipal pleasure grounds which are in course of preparation, will differ from the usually accepted type in that there will be no flower beds, the use of flowering and decorative shrubs replacing the old style of bedding out. The same course is adopted at the stations along the lines of the Pennsylvania railroad, the effect being considered quite as impressive and the cost less.

The Gardeners' Club will hold its chrysanthemum show on November 13, 14, 15 and 16, in the new building of the Florists' Exchange, corner of Franklin and St. Paul streets, which will be far enough advanced for that use, though still not near completion. An unusually fine display seems to be counted on.

Sam'l Feast & Sons will open a branch store in the garage on North Charles street, near Mount Royal avenue. This is immediately opposite The Fernery and in a location which is rapidly becoming the center of a constantly increasing retail business.

J. A. Ritter has rented a store on North near Linden avenue and will conduct it as a branch of his store on Charles street as soon as the necessary alterations and decorations are completed.

S. B.

Indianapolis.

Trade in the stores has been good and on the market it showed a great improvement over last week. Chrysanthemums, however, did better than most expected, although plentiful. None have yet gone to waste. Roses are about equal to demand. Home-grown Marie Louise violets have made their appearance, but are not yet up to the standard. Good carnations are rather plentiful now, and prices are declining.

NOTES.

Bertermann's Hallow'een window, a cornstalk and pumpkin creation by Clarence Thomas, is a pleasing departure from the conventional; it shows how much a true artist can do with simple material.

Baur & Smith have many fine seedling carnations. No. 8, a scarlet, is likely to prove a winner, and if one is looking for a real good crimson, one should see their house of Pocahontas.

There is good fishing in Eagle creek for the man who knows how. E. A. Nelson, one afternoon last week, caught a fine string containing a few better than three pounds.

Phillip Conway is very eager to make the acquaintance of some of the boys that threw stones through his greenhouse glass from trains passing his place.

W. W. Coles, of Kokomo, is anxious to show his Indianapolis friends through his new mammoth carnation house. Who is going?

Chas. Wheatcraft has returned from Texas. He had an excellent time and gained considerable in weight.

Recent visitors were Mr. Barnett, of Reed & Kellar, and W. W. Coles, of Kokomo.

E. A. Nelson is going to install a Moorehead return trap.

A. Pahud has a couple of benches of fine poinsettias.

J.

CHRYSANTHEMUMS.

1,000 Plants, mostly grown to single stems, all colors and in any quantity. Very large, **$3.00** per doz.; Medium, **$2.00** per doz.; Small, **$1.25** to **$1.50** per doz.

Also Fine Beauties, Tea Roses and Carnations.

WIETOR BROS., 51 Wabash Avenue, CHICAGO.

Kansas City.

TRADE BRISK.

Business still maintains all the activity and snap one might desire. Each weeks shows a favorable increase in volume of trade. The number of social affairs which have occurred during the past week is unusually large. Most of the society people, having just returned for the winter, are anxious to begin all at once in a belated acknowledgement of their social indebtedness. October weddings, many of them and the majority of good proportion, have served to add much zest to the firms who handle decorations. Chrysanthemums are arriving in larger quantities, and find a ready demand. Roses show a creditable improvement in both quantity and quality. Bridesmaid, Killarney, Richmond and Chatenay are especially good. The demand for carnations exceeds the supply at all times; Lady Bountiful and Norway are the best in white sorts. In pinks, Nelson Fisher and Enchantress appear to be in best condition. All varieties, however, will soon be up to the standard. The few violets that find their way to the market meet a good demand. Greens are more plentiful.

NOTES.

The bowling club held its regular meet last Wednesday evening. A prize was offered for the lady bowlers which resulted in a spirited contest, Mrs. E. D. Ellsworth, making the best score, with Mrs. Bastain and Mrs. Faulk close seconds. The game between the Kelloggs and the retailers, resulting in a victory for the former was well matched, Ellsworth, making the best score. In the retailers, Max. Eller rolled the highest 10 and the highest 30 frames.

Among those who were losers in the carnival fire in Kansas City, Kans., was Miss Moseley. In her display booth were to be seen many fine plants, baskets, ribbons and a nice display of cut flowers; in fact the best of everything she had was lost. This is the second fire within a few months in which she has lost heavily. Miss Moseley is one who makes the best of such situations, and we all wish her better luck in the future.

Miss Hayden, of Samuel Murray's, reports many large wedding decorations. A large affair at Leavenworth kept this firm busy the first of the week.

The store of the Alpha Floral Co. was entered by burglars one night last week. They succeeded in getting away with the contents of the safe.

Chas. Heite is sending in some fine chrysanthemum plants. The foliage this year is perfect and the plants are clean and healthy.

Edward Hunt, formerly manager of the floral department of the Owl Drug Co., has accepted a position at Geo. M. Kellogg's.

Miss Jennie Murray reports a good trade. An attractive display is maintained at all times in her store.

D. Fruedenthal reports quite a run of funeral work and an increasing counter trade.

Chas. M. Wise is in charge of the floral department of the Herndon Seed Co.

M. E. Chandler says shipping trade this season is the best for years.

K. C.

Buffalo,

STOCK SCARCE.

Cool and fair weather was our luck the past week, but the increase in supply of stock is not noticeable as yet. The first crop of chrysanthemums is far from being as good as last year. The local growers in trying new varieties for early flowering evidently discarded too many of the older kinds, and consequently the stock the past week has not been what it should have been. This is the case with nearly all the growers, and the few good flowers that have been on sale have been shipped here from other places.

NOTES.

Trade the past week has been fair, no very large weddings or receptions being recorded, except a very large banquet tendered the Hamilton, Ont., lodge of Free Masons by Washington lodge of this city. It was a very elaborate affair, Anderson supplying the decorations.

The stores of W. J. Palmer & Son and S. A. Anderson are prettily decorated with pumpkins, corn stalks and rail fences, depicting in every way the approach of Halloween.

Recent visitors were A. E. Boyce, Wellsville, N. Y.; R. J. Irwin, Vaughan's Seed Store, New York; J. Dilloff, of Schloss Bros., New York; S. S. Skidelsky, Philadelphia, Pa.

BISON.

MULHALL, OKLA.—C. H. Wisner is about to build a new greenhouse.

HEADQUARTERS FOR

CHOICE PLANTS.

Araucaria Excelsa, 5-in. pots. 50c and 75c. 3 to 4 tiers; 5½ to 6 in., $1.00 to $1.25, 4 to 5 tiers: 7-in. pots. $1.50 $2.00 and $2.50; 8-in. pots, 3½ feet tall. $3.00 to $3.50

Asparagus Plumosus, 4-in. pots. $1.50 per doz.; 4½-inch pots. $2.00 per doz.; extra large, in 4½-in. pots, $3.00 per doz.

Bay Tree Pyramids 50 to 60 in. high from top of tub, $14.00 a pair; 65 to 70 in. high from top of tub, $16.00 to $18.00 a pair.

Cibotium Schiedei, 6½ and 7 in. pots, $2.00 and $2.50 each.

Cycas Revoluta, 5½, 6 7 and 8 in. pots, 50c to $1.50 each

Dracaena Fragrans, 6-in. pots, $6 00 per doz.; 7-in. pots, $9.00 per doz.; 8-in. pots, $15.00 per doz. **Dracaena Lindeni,** 6-in. pots, $9.00 per doz.; 7 in. pots, $12.00 per doz. **Dracaena Indivisa,** 4-in. pots, $10.00 per 100; 5½-in. pots, $20.00 per 100. **Dracaena Terminalis,** 5-in. pots, $4.00 per doz.; 5½-in. pots, $5.00 per doz.; 7-in. pots, $15.00 per doz.

Boston Ferns, 5-in. pots, $3.00 per doz.; 6-in. pots, $5 00 per doz.; 6½-in. pots, $9.00 per doz.; 8-in. pots, $15.00 per doz.; 11-in. pots, $2.50 and $3.00 each; specimens, in 12-in. pots, $5.00, $6.00 and $7.00 each; 14-in. pots $15.00 a pair. **Scottii Ferns,** 5½-in pots, $3.00 per doz.; 6-in. pots $6.00 per doz.; 7 and 8 in. pots, $12.00 per doz. **N. Elegantissima,** 5½-in. pots, $5.00 per doz. **N. Whitmani,** 4½-in. pots, $6.00 per doz. **N. Piersoni,** 5 in. pots $4 00 per doz.; 6-in. pots, $6.00 per doz.; 6½-in. pots $9.00 per doz.; 7-in. pots, $12.00 per doz.

English Ivy, 4½-in. pots, $2.00 per doz.; $15.00 per 100, 3 to 4 feet high.

Kentia Forsteriana, combinations, 3 and 4 plants, in 8-in. pots, $1 50 to $3.00; 10-in. pots $6.00 each; 14-in. pots, $15.00 to $20 00 each; single plants, 50c to $2.00 each. **Kentia Belmoreana,** single plants, 5-in. pots, $4.00 per doz.; 6-in. pots, $9.00 per doz.; 6½ and 7 in. pots, $18.00 per doz.; large plants, from $2.50 to $3.50 each.

Livistona Sinensis, superior to Latania borbonica, 5 and 5½ in. pots, $5.00 per doz.; 6½-in. pots, $9.00 per doz.; 7-in. pots, $12.00 per doz.

Pandanus Veitchii, 5-in. pots, $4.00 per doz.; 6-in. pots, $6 00 per doz.; 6½-in. pots, $9.00 per doz.; 7-in., $18.00 per doz.; 8-in., $2 00 each.

Primula Obconica, $2.00 per doz., $15.00 per 100.

Rubbers, 6-in. pots, $6 00 per doz.; 6½-in., branched, $9.00 per doz.; 6½-in., single stem, $8.00 per doz.; 7-in., branched, $9.00 per doz.; 10-in., 3 in a pot, $2.00 to $2.50 each.

Surplus of **Ardisia Crenulata** for next year fruiting, very fine, branched, 4-in. pots 1 ft. tall, spread 8 in. to 10-in., $40.00 per 100; 4½-in., $50.00 per 100.

Asparagus Sprengeri, $5.00 per 100.

Anton Schu'theis 19th St. and 4th Ave., College Point, L. I., N. Y.

SPRINGFIELD, MASS.—For the care of her tropical plants, Mrs. John M. Smith has just built another greenhouse at a cost of $5,000. An Italian pergola has also been erected over the fountain on the lawn. This pergola will next summer be covered with climbing roses.

WINONA, MINN.—The Fuhlbruegge Bros. have pulled down the greenhouses at 40 W. Fourth street and have consolidated their entire plant at their Fifth and Kansas streets place. They have just completed three new houses here and now have a total of 10,000 feet of glass.

PITTSBURG CUT FLOWER CO. Ltd.

Pittsburg's Oldest and Largest Wholesalers.

REMOVED TO NEW LOCATION.

HEADQUARTERS FOR

Chrysanthemums, Beauties,
Carnations, Lilies, Roses, Valley,
Adiantum Hybridum, Violets,
Box Wood Sprays, Wild Smilax.

22 Oliver Ave., PITTSBURG, PA.

Toronto.

BUSINESS ACTIVE.

Business for the past week has been very active and large quantities of cut flowers were used for a number of large funerals and fall weddings. Chrysanthemums have been coming in very heavily and roses are in very large supply. Carnations with some of the growers are not yet producing in quantity but with the exceptional supply of chrysanthemums this scarcity is not noticed. Most of the retail stores are using quantities of foliage for the decorations and some very fine cattleya and lily of the valley arrangements are used.

NOTES.

Robert Abbs has made a great improvement at his establishment this season. He has torn down five houses and replaced them with three more modern houses which are just about completed. Other years he has grown mostly roses but this year they have been dispensed with entirely. Carnations now predominate. With the good houses and excellent appearance of the stock the place looks very promising.

J. H. Dunlop's American Beauty range is a sight to behold. The plants are very healthy and vigorous, with beautiful dark green foliage and the flowers that are being cut have all long pointed buds so desirable in this variety. Their roses and carnations are in excellent shape and with the chrysanthemums and other flowers now in bloom the establishment is well worth a visit.

Wm. Jay, Jr., met with a severe accident returning to his home from business Monday evening. While alighting from a car the car gave a jerk and his hands being full of parcels, he had no control of himself and struck his head on the curb. He remained unconscious three days and at this writing his chances of recovery look dubious to his medical advisors.

Thomas Manton, of Eglington, has a very good sport of Kalb chrysanthemum. This is a very pretty shade of yellow and its early blooming qualities should make it very desirable.

Grobba & Wandrey, of Mimico, have a patch of 10,000 Lager chrysanthemums which are just beginning to bloom and certainly make a very imposing sight.

In seedlings, Geo. Hollis has a shell pink, very fully petalled and strong stemmed. H. G. D.

Louisville.

BUSINESS GOOD.

Business the early part of the week was very good, and the average for the week was probably satisfactory to all. The weather is very seasonable, and the florists' profit can be seen rising gently above the smoke stack. Chrysanthemums are with us in great quantities, and although they are having a very heavy demand, the supply is so great that a great deal additional business could be easily accommodated. Pink is the only color a little scarce, but these will soon be with us in quantities. The usually good demand continues with roses. The quality is generally satisfactory, and the supply about equal to the demand. Carnations of good quality are now to be had in better quantities, and find a very heavy demand. Violets are plentiful, and are having a satisfactory demand. The quality is very good. Lily of the valley continues to have a good demand, but is very hard to get in quantities. The quality is very good. Green goods have been in satisfactory supply. F. L. S.

NEWTON HIGHLANDS, MASS.—A. H. Fewkes is building another greenhouse on Hyde street.

WALDEN, N. Y. — Mrs. Margaret Wood is erecting a greenhouse at her home on Montgomery street.

WOODHAVEN, N. Y. — G. F. Neipp, having been compelled to vacate his premises in the interest of the water department, has located at Chatham, N. J.

RATON, N. M.—A. E. Gillum reports that chrysanthemums are coming in nicely. Fall has been fine and open till October 4 when six inches of snow fell. The sky was almost clear and the storm came up without any warning.

SPRINGFIELD, MASS.—F. S. Pearson is having plans made for three large greenhouses to be built at Edgewood farm. The houses will be very large and one will be devoted entirely to the use of tropical birds. The other two will be for the use of exotic plants.

MARION, O.—B. K. Wagner, the landscape artist of the Wagner Park Conservatories, of Sidney, has completed his work of staking off the sites of the three city parks and preparing plans and specifications. He has returned to Sidney and will come back only in case of emergency.

BEAVEN'S
Fadeless Sheet Moss
$3.50 per bag.

Southern Wild Smilax
IN ANY QUANTITY.
E. A. BEAVEN, Evergreen, Ala.

Wholesale Flower Markets

ST. LOUIS, Oct. 31.

Roses, Beauty, long stem	3.00@ 3.50
" " medium stem	1.50@ 2 50
" " short stem	.50@ 1.00
" Bride, Bridesmaid	2.00@ 6 00
" Pres. Carnot	2.00@ 8.00
" Kaiserin	2.00@ 8.00
" Chatenay, Richmond	1.00@ 4 00
Carnations, common	1.50@ 2.00
" best	3.00@ 4.00
Smilax	12 50
Asparagus Sprengeri	1.00@ 3.00
" Plumosus, strings	25.00@40.00
Fancy ferns $1.75 per 1000	
Lily of the valley	4.00
Chrysanthemums, fancy	$2@$3 doz.
" oadinary	.75@1.50
Violets	.40@ .50

PITTSBURG, Oct. 31.

Roses, Beauty, specials	25.00
" " extras	15.00@18.00
" " No. 1	10.00
" " ordinary	4.00@ 6.00
" Bride, Bridesmaid	3.00@ 8.00
" Chatenay	4 00@ 8.00
" Richmond	4.00@ 8 00
" Kaiserin	4.00@ 8.00
" Cusin	4.00@ 6.00
" Perle	4.00@ 6 00
" Bon Silene	2.00@ 3 00
Chrysanthemums	6.00@30.00
Carnations	1.00@ 3.00
Lily of the valley	2.00@ 4.00
Violets	.75@ 1.00
Smilax	12.50@15.00
Asparagus, strings	30.00@50.00
" Sprengeri	2.00@ 4.00
Lilies	15.00@18.00
Adiantum	.75@ 1.50

CINCINNATI, Oct. 31.

Roses, Beauty, per doz	1.00@ 4.00
" Bride, Bridesmaid	3.00@ 6.00
" Liberty	4.00@ 8.00
" Meteor, Golden Gate	3.00@ 6.00
Carnations	1.00@ 3.00
Lily of the valley	3.00@ 4.00
Asparagus	50.00
Smilax	12.50
Adiantum	1.00
Asparagus plumosus and Sprengeri in bunches	per bunch 25c
Ferns	1 50 per 1000
Longiflorum lilies	6.00@15.00
Asters	1.00@ 2 00
Gladiolus	2.00@ 3 00

MILWAUKEE, Oct. 31.

Roses, Beauty	per doz. .75@ 3.00
" Liberty, Chatenay	2 00@ 6 00
" Bride, Bridesmaid	2.00@ 6.00
" Meteor, Golden Gate	3.00@ 6.00
" Perle	2.00@ 4.00
Carnations	2.00@ 4 00
Smilax	@12.00
Asparagus, sprays	3.00
" Sprengeri	3 00
Lily of the valley	4.00
Adiantum	1.00@ 1.50
Lilium rubrum, short	4.00
Chrysanthemums	10.00@35 00
Common ferns	$1.50 per 1000

CLEVELAND, Oct. 31.

Roses, Beauty, per doz	1.50@ 3.00
" Bride, Bridesmaid, Meteor	3.00@ 5.00
" Kaiserin	4 00@ 8 00
Carnations	1.00@ 2.00
Smilax	15.00
Asparagus, strings	25.00@50.00
" Sprengeri	1.00@ 2.00
Common ferns	$1 50 per 1000
Chrysanthemums	6.00@15.00

WHITMAN, MASS.—L. W. Belcher who recently purchased the R. E. Moro retail store has moved his family here from South Weymouth, taking a house on Alden street.

NEW HAVEN, CONN.—One of Ernest Trisch's greenhouses at the corner of Newhall and Lilac streets was set on fire on October 17 owing to boys making a fire of leaves. Fortunately little damage was done.

WHOLESALE FLORISTS. FLORISTS' SUPPLIES.

After extensive alterations our new establishment has been formally opened, where we shall be pleased to meet our patrons with a full line of Cut Flowers (our new department), also the fine stock of Florists' Supplies, for which during the last eight years, we have been the New England Headquarters.

HENRY M. ROBINSON & CO., 11 to 15 Province St. and 9 Chapman Place, **BOSTON.**

Extra Fine New Crop **FANCY FERNS** $1.00 per 1000 Discount on large orders.

GALAX.....per 1000, $1.25

Send for our weekly price list on Cut Flowers Let us have your standing order for Ferns: will make price right all through the season.

MICHIGAN CUT FLOWER EXCHANGE
WM. DILGER Mgr. 38 and 40 Broadway formerly Miami Ave., DETROIT, MICH.

— PRICE LIST FOR —
Christmas Decorations

EVERGREEN WREATHING.
NATURAL.

Standard grade, per coil, 20 yds	$0 60
Light weights, per coil	50
Standard grade, dyed, per coil, 20 yds	60
Light weights, dyed, per coil	50

WREATHS.

Holly, fancy Delaware, per doz	1 10
" Southern, per doz	1 00
" and **Evergreen,** mixed, per doz	1 00
Evergreen, plain, per doz	1 00
" with Immortelle flowers, per doz	1 10
Galax, green or bronze leaves, per doz	90
" with Immortelle flowers, per doz	1 00
Magnolia Wreaths, per doz	1 00
" with Immortelle, per doz	1 10
Delaware Holly, per crate	$4 00 to 4 50
Southern Holly, per crate	3 25 to 3 75
Mistletoe, per lb	20
Needle Pines, per doz	1 50
Galax Leaves, per 1000	1 00
CALIFORNIA PEPPER BOUGHS, beautiful for decoration and very fragrant, per crate	4 50
Magnolia Leaves, heavily packed, per barrel	6 50

Let me book your orders now, and you name date when you want goods shipped. I manufacture all my stock, employing 100 hands.

H. WOODS CO. 127 S. Water St., CHICAGO.

RICE BROTHERS

WHOLESALE 113 N. 6th St.,

SHIPPERS of home grown Cut Flowers, comprising the newest varieties of blooms. Full line of supplies and decorative greens. Trial order solicited. Weekly price list issued.

MINNEAPOLIS, MINN.

SOUTHERN WILD
SMILAX.
Caldwell The Woodsman Co.
EVERGREEN, ALABAMA.

It is good business policy .....to mention the

American Florist

When you write to an advertiser.

500,000 VERBENAS
60 Finest Named Varieties.

Rooted Cuttings, 75c pea 100; $6.00 per 1000
Plants, $2 50 per 100; $20.00 per 1000.

Our list is the choice from millions of seedlings. Order early.

J. L. DILLON, Bloomsburg, Pa.

ASPARAGUS

PLUMOSUS NANUS, 2-inch pots, $3.00 per 100; $25.00 per 1000, transplanted from the bench, $2 50 per 100; $20.00 per 1000.

SPRENGERI, 2-inch, $3.00 per 100; $25.00 per 1000, from bench, $2.50 per 100; $20.00 per 1000.

WM. CLARK, Colorado Springs, Col.

WE ARE BOOKING ORDERS FOR
Nephrolepis Amerpohlii

The Sensational New Fern.
Awarded Highest Certificate of Merit at the S. A. F. Convention, 1906.

JANESVILLE FLORAL CO, Janesville, Wis.

Please mention the American Florist when writing.

BOUQUET GREEN

Best quality at **lowest rates.** We gather our own **Greens** and bring by our own boat direct. Also **CHRISTMAS TREES.**

Northern Michigan Evergreen Nursery.
SCHOONER GEO. L. WRENN, H. Schuenemann, Capt. S. W. cor. Clark St. Bridge, CHICAGO.

FERNS, IN FINE SHAPE

PIERSONI	6-in., 35c; 5-in. 25c; 4-in., 15c.
BOSTON	5-in., 25c; 4-in., 15c.
SCOTTII	5-in., 30c; 4.in., 20c.
ANNA FOSTER	2½-in., 4c

All No. 1 stock. CASH PLEASE.

BENJ. CONNELL, Florist, West Grove, Pa

Special Values in Dreer Palms

The varieties and sizes here offered are all of excellent value and in prime condition for retailing or for decorative work. For a more complete list see our current Wholesale List.

ARECA LUTESCENS

4-in. pots, 3 plants in a pot, 15-in. high.....$3.50 per dozen; $25.00 per 100
6-in. " 3 " " " 24 to 25-in. high.....$1.00 each

COCOS WEDDELLIANA

The best, thriftiest plants of this we have ever offered.
2¼-in. pots, 5 to 6 in. high.....per doz., $1.50; per 100, $10 00; per 1000, $90.00
3-in. " 8 to 10-in. " .....per doz., 2 00; per 100, 15.00; per 1000, 140.00

KENTIA FORSTERIANA

6-in. pots, 6 leaves, 24 to 28 in. high.....$1.00 each
6-in. " 6 " 28 to 30 in. " ..... 1.25 "
6-in. " 6 " 30 to 32 in. " ..... 1.50 "
7-in. " 6 " 34 to 36 in. " ..... 2.00 "
7-in. " 6 " 36 to 40 in. " ..... 2.50 "
9-in. " 6 " 46 to 48 in. " ..... 3.50 "
7-in. tubs, 6 " 48 in. " ..... 4.00 "
12-in. " 6 to 7 leaves, 8 to 10 ft. high.....15.00 "

KENTIA FORSTERIANA—MADE UP PLANTS

9-in. pots, 4 plants in a pot, 3½ ft. high.....$4.00 each
9-in. tubs, 4 " " tub, 4 ft. high..... 5.00 "
12-in. " 4 " " " 6½ to 7 ft. high.....15.00 "
13-in. " 4 to 6 plants in a tub, 5½ to 6 ft. high, very bushy.....15.00 "

KENTIA BELMOREANA

6-in. pots, 6 leaves, 20 to 24 in. high.....$1.00 each
6-in. " 6 " 24 to 26 in. " ..... 1.25 "
6-in. " 6 to 7 leaves, 26 to 28 in. high..... 1.50 "
7 in. " 6 to 7 " 34 to 36 in. " ..... 2.50 "
9-in. tubs, 6 to 7 " 48 in. high, heavy..... 7.50 "

LATANIA BORBONICA

6-in. pots, 6 to 8 leaves, heavy plants.....$10.00 per dozen; $75.00 per 100

LIVISTONA ROTUNDIFOLIA

4-in. pots.....$4.00 per dozen; $30.00 per 100

PHOENIX CANARIENSIS

The following are all growing in light wooden tubs and are plants of good value:
2½ ft. high.....$2.00 each
3½ ft. ..... 3.50 "
4 to 4½ ft. high..... 5.00 "
4½ to 5 ft. " ..... 6.00 "

PHOENIX ROEBELENII

Nicely characterized plants of this beautiful rare palm, which undoubtedly is destined to be one of the most popular palms of the future. 4-in pots, 10 in. high, $1.00 each; 5-in. pots, 12 in. high, $1 25 each; 8-in. pots, 18-in. high, $3.50 each.

For a complete list of seasonable decorative and other stock see our current wholesale list.

HENRY A. DREER, 714 Chestnut Street, PHILADELPHIA.

Please mention the American Florist when writing.

Peter Reinberg

51 WABASH AVE., CHICAGO.

The Largest Range of Glass in the World is now in full crop and we are ready to take the very best care of all orders intrusted to us

CURRENT PRICE LIST

AMERICAN BEAUTIES—
Long stem.....$4.00 per doz.
30-inch stems..... 3 00 per doz.
24-inch stems..... 2.50 per doz
18-inch stems..... 2.00 per doz.
15-inch stems..... 1.50 per doz.
12-inch stems..... 1.25 per doz.
Short stems.....75c to 1.00 per doz.
Mrs. Marshall Field.....$8.00 to $12.00 per 100
" " short..... 5.00 to 6.00 per 100
Richmond..... 3.00 to 6 00 per 100
Liberty..... 3.00 to 6.00 per 100

Chatenay..... 3.00 to 6.00 per 100
Bridesmaid.....$3.00 to $6.00 per 100
Bride..... 3.00 to 6.00 per 100
Perle..... 3.00 to 5.00 per 100
Sunrise..... 3.00 to 6.00 per 100
Uncle John..... 3.00 to 6.00 per 100
Golden Gate..... 3 00 to 6.00 per 100

ROSES, our selection, $3.00 per 100

CARNATIONS.....$2.50 to $3.00 per 100

SEND US YOUR ORDERS—Get the freshest stock at the lowest market rates and the assurance of supplies such as can only come from **1,200,000** feet of modern glass.

Please mention the American Florist when writing.

TRADE DIRECTORY OF 1906.

FLORISTS, SEEDSMEN and NURSERYMEN

—OF THE—

United States and Canada.

—ARRANGED BY—

States, Postoffices and Alphabetically.

PRICE $2 00, POSTPAID.

American Florist Company,
324 Dearborn Street, CHICAGO.

E. H. HUNT

"THE OLD RELIABLE"

Wholesale Florist,

'Mums and Violets

Chrysanthemums in any quantity and all colors. Choicest single and double Violets All other Cut Flowers, Ferns, etc, in any quantity.

76 Wabash Ave., CHICAGO.

E. C. AMLING

THE LARGEST, BEST EQUIPPED, MOST CENTRALLY LOCATED WHOLESALE CUT FLOWER HOUSE IN CHICAGO.

32, 34, 36 RANDOLPH ST., CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Please mention the American Florist when writing

20 YEARS' EXPERIENCE

has placed us in a position where "we know flowers," and that's "half the battle" for the buyer.

'MUMS, ROSES, CARNATIONS, VIOLETS, GREENS, ETC.

Daily shipments from 40 to 60 growers enable us to supply all seasonable stock at lowest market rates. We also have an "up-to-date" line of Florists' Supplies. A trial order solicited. Headquarters for Wild Smilax. Catalogue free.

E. F. WINTERSON CO., 45-47-49 Wabash Ave., Chicago.

WEILAND & RISCH

Wholesale Growers and Shippers of CUT FLOWERS

59 Wabash Ave., CHICAGO

'Phone Central 879

Write for our wholesale price list.

WHOLESALE FLORISTS

Please mention the American Florist when writing

Wholesale Flower Markets

CHICAGO, Oct. 31.

Roses, Beauty, 30 to 36-in. stems		4 00
" " 20 to 24 "	2 50@	3 00
" " 15 to 18 "	1 50 @	2 00
" " 12	75@	1 00
" Liberty, Chatenay	4 00@	7 00
" Bride, Bridesmaid	4 00@	7 00
" Golden Gate	4 00@	7 00
" Killarney, Richmond	4 00@	7 00
Carnations	2 00 @	2 50
" fancy	3 00@	4 00
Lily of the valley	2 00@	5 00
Cattleyas.... per doz. $6 00@$7 50		
Harrisii lilies. per doz. 2 00@ 2 50		
Asparagus plumosus, per string, 35 to 50c.		
" per bu. 35c@$1 00		
" Sprengeri	2 00@	4 00
Galax leaves.....per 1000, $1 25		15
Adiantum	75@	1 00
Fancy ferns.....per 1000, $1 50		
Smilax.....per string, 10c@12½c		
Chrysanthemums. per doz., $1 00@$3 00		
Violets	50@	1 25
Leucothoe sprays		75
Wild smilax. 25 lb., $3; 40 lb., $2, 50 lb., $5.		

Jensen & Dekema

CARNATION SPECIALISTS

674 W. Foster Ave., CHICAGO.

Please mention the American Florist when writing

SINNER BROS.

WHOLESALE CUT FLOWERS

60 Wabash Ave., Chicago.

Careful attention to all

SHIPPING ORDERS.

Please mention the American Florist when writing

Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO

Telephone, Central 3284.

Please mention the American Florist when writing.

Poehlmann Bros. Co.

Wholesale Growers of and Dealers in Cut Flowers.

All telegraph and telephone orders given prompt attention.

Greenhouses: MORTON GROVE, ILL.

35-37 Randolph St., CHICAGO.

The Geo. Wittbold Co.

1657-1659 Buckingham Place, CHICAGO.

The only retail florist in Chicago who grows his own cut flowers.

FUNERAL WORK ORDERS. OUR SPECIALTY

Be your own Commission Man

THE

FLOWER GROWERS' MARKET

furnishes the facilities.

See PERCY JONES, Mgr.

60 Wabash Ave., CHICAGO.

Please mention the American Florist when writing

Vaughan & Sperry,

Wholesale Florists,

58 and 60 Wabash Ave., CHICAGO

WRITE FOR SPECIAL PRICES.

Please mention the American Florist when writing.

PETER REINBERG

Grower and Wholesaler of Cut Flowers.

1,200,000 feet of glass

Headquarters for American Beauty.

51 Wabash Ave., CHICAGO.

Please mention the American Florist when writing.

WIETOR BROS.,

Wholesale Growers of Cut Flowers

All telegraph and telephone orders given prompt attention.

51 Wabash Ave., CHICAGO.

Please mention the American Florist when writing.

KENNICOTT BROS. COMPANY

40-42-44 Randolph St., CHICAGO.

Our reputation has always been that we fill orders when others fail. All stock in season at Lowest Market Rates.

THE BENTHEY-COATSWORTH CO.

35 RANDOLPH ST. WHOLESALE FLORISTS CHICAGO.

Chicago.

MARKET VERY ACTIVE.

Trade early this present week more than resumed the lively tone usual at this time of year. As was to have been expected the horse show has livened up things to a marked degree locally. The Vanderbilts and other wealthy New Yorkers coming to town, beside the return of several of our own most prominent society folks, has meant numerous dinners, receptions and decorations. All Saint's day has caused the shipment of regular Decoration day orders to all points south, especially New Orleans. But with this increased demand has come a more or less general scarcity of stock. Chrysanthemums have the center of the stage and are in great demand to supply the lack of roses and carnations. American Beauty is fairly plentiful, but other roses are hard to get. Carnations are holding up rather stiffly, due to the increased demand together with the dull weather of the past few days and the fact that many plants died off in the field before they could be transferred to the houses. The shipping trade is readily taking all that are offered. Lilies are not numerous as yet. Lily of the valley is being taken about as fast as it comes in. Some gardenias are seen on the market, also the average supply of orchids. Green goods are being received in quantities and the demand is satisfactory.

AT THE WHOLESALE HOUSES.

The first annual reception of the wholesale florists' employes came off Wednesday evening as planned and was greatly enjoyed by all in attendance. The hall had been beautifully decorated previous to the occasion at a cost of $400. The overhead work consisted of artificial morning glory vines. White chrysanthemums were used in profusion about the hall. Fitzgerald's orchestra was half hidden behind a bank of palms. Each lady wore a rose, each gentleman bore in his coat a white carnation. The Geo. Wittbold Co. had charge of the floral features.

The A. L. Randall Co.'s new catalogue, attractively printed in two colors, is just out. The extra work, due to the double printing as well as some unforseen obstacles, has delayed the issuing of this at the time intended, but will now shortly be in the hands of customers and inquirers. The booklet is entirely unique in the way of florists' catalogues. Mr. Randall is receiving some novel designs in baskets, fern pots and pot covers from the other side.

Weiland & Risch are showing some exceptionally fine violets, both single and double. In fact the entire general line of this firm is in excellent shape. It takes time to sort out the stems and blooms of roses, but it pays. Taken into the cooling room one is shown jars of roses and carnations; the tops are all even and the ends of the stems no less so.

E. C. Amling is an exponent of the maxim which says, "don't shove, but keep pushing." He says business was just a little better last year than the year before, and this year sees another perceptible gain. This is a house that believes in keeping last year's books open beside the current set. "Something is wrong," says Mr. Amling, "when there is not some progress."

"THE BUSIEST HOUSE IN CHICAGO."

...WE OFFER...

Beaven's Fadeless Sheet Moss

Wild Smilax, Fancy Ferns, Roses, Carnations, Violets, Valley, Pansies

and all CUT FLOWERS in season.

J. B. DEAMUD, Pres.
W. P. KYLE, Vice-Pres.
ALEX. NEWETT, Mgr.

J. B. DEAMUD CO.,
51 and 53 Wabash Ave., CHICAGO.

The Poehlmann Bros. Co. was put to some inconvenience by the explosion of a boiler on a fast Milwaukee & St. Paul freight at Morton Grove the morning of October 24. The blockade lasted from 6 o'clock until nearly 4 p. m. Flowers had to be reshipped by way of Niles Center. This firm is showing some of the finest chrysanthemums seen in the market.

Henry Wietor is up and around again after a month in bed with a lame foot. About a month ago he was standing on a railway track when lightning struck the rail nearly a mile away. Mr. Wietor was thrown to the ground and suffered severely as a result of the shock and fall.

E. H. Hunt is shipping some extra fine grades of chrysanthemums. In view of the shortage in other stocks this firm is going in more heavily for this queen of autumn flowers. They report receipts of a good grade of both eastern and locally grown violets.

J. A. Budlong Tuesday afternoon could well smile on a market which was about as short of roses as it was of carnations. In some manner or other he managed to lay his hands upon an enviable stock of desirable varieties.

The E. F. Winterson Co. last week received the first shipment this season of robin berries. This firm also reports receiving plenty of Lawson, Flora Hill and Boston Market carnations. Enchantress is rather scarce.

The shipping business of Vaughan & Sperry is growing apace, this past week taking the banner in that regard. This firm was showing violets of superior quality Tuesday, received from eastern growers.

Chas. W. McKellar received a fine lot of gardenias Monday for the horse show. He also received an unusually fine collection of miscellaneous orchids in addition to his usual supply of cattleyas.

The Kennicott Bros. Co. received an order for 10,000 violets Tuesday afternoon from Honaker "the Florist," of Lexington, Ky. Six thousand were shipped, but the firm was shy the other 4,000.

The Benthey-Coatsworth Co., is showing a quantity of excellent Killarney, consigned from their New Castle (Ind.) establishment. Bride, Bridesmaid and Richmond are also giving good satisfaction.

Wietor Bros. do not dread the advent of cold weather as they already have on hand 2200 ton of coal, a part of their winter supply. This firm disposed of 3000 chrysanthemums last Monday.

Sinner Bros. are getting a satisfactory proportion of the business that comes into the Flower Growers' Market. Trade has been on the jump and presages a most prosperous season.

Scheiden & Schoos, report a swelling trade in wholesale cut flowers. They say that if everything continues as it has begun this season they will be more than satisfied.

The growers are complaining of small cuts of carnations. Mrs. N. C. Moore, whose usual cut is from 1200 to 1500, only brought 450 blooms to market on Monday.

Bassett & Washburn had a tremendous run on all lines of stock from southern points for All Saints' day demand. Regular Decoration day orders were received.

The J. B. Deamud Co. early this week received a fresh stock of southern smilax and leucothoe.

Peter Reinberg has an excellent crop of Perle roses. They show fine form and color.

Zech & Mann report the receipt of some excellent Harrisii lilies.

Visitors: Albert T. Hey, Springfield, Ill.; A. L. Barnett, of Reed & Kellar, New York; Martin Reukauf, of H. Bayersdorfer & Co., Philadelphia; Robt. Spero, of Chas. Zinn & Co., New York; B. L. Van Aken, of Van Aken Bros., Coldwater, Mich.; W. J. Springer, New Hampton, Ia.; Wm. Larson, Green Bay, Wis.; Wm. Curtis, Hampton, Ia.; Edward Washburn and wife, Bloomington, Ill.

Chas. W. McKellar

51 Wabash Ave.,
CHICAGO.

ORCHIDS
A Specialty.

Fancy Stock in VIOLETS, VALLEY, ROSES, BEAUTIES, CARNATIONS and a full line of all Cut Flowers Greens, Wire-Work and FLORISTS' SUPPLIES.

Send for Complete Catalogue.

Please mention the American Florist when writing.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO,

Wholesale Dealers and Growers of **Cut Flowers**

GREENHOUSES: HINSDALE, ILL.

FANCY CHRYSANTHEMUMS.

Orchids, Gardenias and other Novelties, Autumn Foliage Ribbons, the hit of the season. Write for samples. **Assorted Evergreens** for window boxes.

S. S. PENNOCK-MEEHAN CO., 1610-1618 LUDLOW ST., Philadelphia, Pa.

Philadelphia.

BUSINESS GOOD.

The past week was satisfactory, weddings, teas and other seasonable entertainments keeping all hands on the jump most of the time. The chrysanthemum is now the favorite flower and some fine stock is seen. One of the best just coming in is Wm. K. Harris' Florence Harris. It is a very fine large light yellow, shading lighter from center of flower to outer edge of petals. The stem is strong and the blossom has a vigorous look. Mr. Harris grows them two to three flowers to a plant. He has never placed the plants on the market, but if some of the exhibition growers get a chance at this variety they would produce blooms the equal of anything yet seen. Varieties now in bring from $2 to $3 for the fancies, lower grades $1 to $1.50. Owing to the competition American Beauty roses are lagging a trifle and quite a few ready for use were seen in the commission houses Monday morning last. Prices range from $1 to $3 per dozen. The quality is excellent. The dull weather of the past week affected Killarney, the flowers coming in very pale in color. White roses are very plentiful and seem hard to move. Carnations are more plentiful, some very choice Enchantress being seen. Prices are easier than last week, $2 to $4 according to quality. Robert Craig is showing up as a fancy red. Violets are still improving. Something choice in La France is now seen in the market. Lily of the valley is in very good demand at from $3 to $5.

NOTES.

The improvements at the Century Flower Shop are now completed. The greenhouse or conservatory in the rear is a great addition and gives a much needed show room for plants. A greenhouse adds greatly to a plant display, the light and moist atmosphere making it doubly attractive. The interior of the store is much improved with the added room obtained. Tall latticed arches extending up to and across the ceiling give an arbor effect which is enhanced by blossoms of wistaria and hanging Japanese vases. Cut flowers are kept on shelves in the rear of the counter, with prices on each jar, in fact each plant or other article for sale has a price prominently attached. "Low prices" is the feature of the store and while the grades of flowers handled are not high yet they must be fresh. The ice box is conspicuous by its absence. "We do not buy flowers to keep; we aim to have the stock constantly on the move so that it is always fresh," says Mr. Battles, "and save the room of this cumbersome fixture for a better purpose." The popular price business has grown to large proportions, while the high class trade established by Mr. Battles and conducted by him so successfully for years in the adjoining property keeps forging ahead. Such examples show the possibilities of the business in this and every other large city in the country.

John Welsh Young, of Germantown, is critically ill with appendicitis. An operation which afforded relief was performed last Saturday. He is in the Germantown hospital and his many friends in the trade are deeply solicitous for his welfare. If their wishes for his recovery help any he will soon be out again, so often are they expressed.

The news of the accidental death of J. L. Dillon, of Bloomsburg, was a great shock to the trade here. Mr. Dillon was long a member of the Florists' Club and was very popular with his associates.

K.

Boston.

LULL IN THE TRADE.

For the past week business conditions have been below normal and stock of all kinds has consequently accumulated. No cause is apparent, simply a lull in trade which in the early season is quite frequent. Funeral work has fallen off considerably and with the October weddings all negotiated the cut flower trade has occupied the center of the stage. Stock of all kinds has dragged lightly but no serious losses have resulted. As the season advances the more noticeable is the usually choice attractive displays of chrysanthemums. Quantities of inferior stock of different colors are on hand, but the supply of extra fine blooms is greatly deficient. Heretofore there has been a surplus of this grade which sold well at fancy prices; however, this season's stock is so far very ordinary indeed. But for the beautiful selection of roses obtainable the consequences would no doubt be more serious, as carnations are very slowly improving and by no means as yet up to the standard. Worthy of especial mention are the magnificent Richmond roses coming to market now. American Beauty is plentiful, and, although principally of medium grades, the blooms are first class in color, size and substance. Carnations are improving but slowly. Enchantress bids fair to retain the popularity attained last season, but with Fair Maid at its best very little choice lies to its credit.

NOTES.

A select bowling league has been formed by representatives of the wholesalers on one team and the salesmen of the Waban Rose Conservatories on the opposing team. At the Haymarket alleys, October 23, the wholesalers were victors after several hours of strenuous bowling. The wholesalers are captained by Christopher Donovan and on the team are Messrs. Fallon, Reynolds, Free and Campbell. Patrick Donahue is leader of the Waban Rose men and Messrs. Cartwright, Leamey, Hannon and White on the team. The league will bowl every Tuesday in the future at McCarthy's alleys and interesting scores are awaited.

The stockholders of the Park Street Market held their annual banquet and election of officers October 27 at Young's hotel. After dinner the routine business was transacted, following which came the election of officers. The only change in the personnel was the retiring of Arthur Kidder. To fill the vacancy Andrew Christiansen was elected to a seat on the board of directors. A large attendance was recorded and the chief topics under discussion were all related to the successful handling of cut flowers to the best advantage of the purchasers.

The new establishment of Henry M. Robinson & Co. at 15 Province street and 9 Chapman place was formally opened to the public October 29. In the evening refreshments were served to a large number of tradesmen who had called to extend their best wishes for the success of the firm in their new undertaking. Open house was the programme for the evening, which was very much enlivened by an orchestra furnishing suitable music for the occasion.

W. H. Elliott has succeeded beyond all expectations in his cultivation of the Richmond rose. For the last month he has daily cut a good crop of this variety, which has become the greatest attraction on the rose market. With superb blooms of grand color and wonderful formation, and good strong stems three feet long, little could be desired to make this rose more attractive.

Antoine Leuthy, the extensive palm grower of Roslindale, spent last week inspecting the leading establishments of New York and New Jersey. Mr. Leuthy is one of the most successful of our local growers, having begun at the bottom of the ladder and by diligent study and labor has achieved great renown.

Frank H. Houghton, of Houghton & Clark, was at his place of business October 26 for the first time in three weeks. He has had a severe attack of the grippe and his re-appearance has greatly relieved his friends.

B.

Beauties

THE BEST AND THE LARGEST STOCK IN PHILADELPHIA.

THE LEO NIESSEN CO.

WHOLESALE FLORIST.

Open From 7 A. M. to 8 P. M.

1217 Arch St., PHILADELPHIA, PA.

Chrysanthemums

ANY GRADE. ANY VARIETY. ANY QUANTITY.

PITTSBURG FLORISTS' EXCHANGE, Pittsburg, Pa.

NOW READY

to fill orders for **American Beauties, Lily of the Valley, Carnations** and all varieties of **Tea Roses** in lots of one hundred to one thousand at short notice. Get our prices before ordering elsewhere.

WELCH BROTHERS, 226 Devonshire St., BOSTON, MASS.

ASPARAGUS PLUMOSUS NANUS.

Cut Strings, 50 cents each.

W. H. ELLIOTT, Brighton, Mass.

THE

J. M. McCullough's Sons Co.

Wholesale Commission Florists.

CONSIGNMENTS SOLICITED.

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES, SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

Please mention the American Florist when writing.

C. A. KUEHN,

Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

Please mention the American Florist when writing

ROSES AND CARNATIONS

Pittsburg's Largest and Oldest Wholesalers.

PITTSBURG CUT FLOWER CO., Ltd.

504 Liberty Ave., PITTSBURG, PA.

Please mention the American Florist when writing

Holton & Hunkel Co.

Wholesale Florists

Milwaukee, Wis.

Please mention the American Florist when writing

H. G. BERNING,

Wholesale Florist

1402 Pine St., ST. LOUIS, MO.

Please mention the American Florist when writing

Wholesale Flower Markets

PHILADELPHIA, Oct. 31.

Roses, Tea	3 00@ 4 00
" " extra	6 00@ 8 00
" Liberty	4 00@15 00
" Queen of Edgely, extra	16 00@35 00
" " " first	12 00@15 00
" Beauty, extra	16 00@35 00
" " firsts	12 00@15 00
Carnations	2 00@ 4 00
Lily of the valley	2 00@ 4 00
Asparagus, bunch	25 00@50 00
Smilax	15 00@20 00
Adiantum	1 00@ 1 50
Cattleyas	50@ 80
Gardenias	40 00@50 00
Lilium Harrisii	12 50@15 00
Violets, single	50@ 75
" double	75@ 1 00

BOSTON, Oct. 31.

Roses, Beauty, best	25 00@35 00
" " medium	12 00@20 00
" " culls	2 00@ 8 00
" Bride, Bridesmaid	2 00@ 4 00
" Extra	6 00@ 8 00
" Liberty	6 00@25 00
Carnations	1 00@ 2 00
" Fancy	2 00@ 3 00
Lily of the valley	2 00@ 4 00
Smilax	8 00@12 00
Adiantum	1 00@ 1 50
Asparagus	35 00@50 00
Sweet peas	25@ 75
Violets	50@ 75
Asters	75@ 1 00
Gladioli	2 00@ 4 00

BUFFALO, Oct. 31.

Roses, Beauty	5 00@25 00
" Bride, Bridesmaid, Meteor	3 00@ 8 00
Carnations	1 50@ 3 00
Lily of the valley	3 00@ 4 00
Asparagus, strings	40 00@50 00
Smi'ax	12 00@15 00
Adiantum	75@ 1 50
Lilies	5 00@15 00
Chrysanthemums	6 00@25 00
Violets	60@ 75

THE ART OF Floral..... Arrangement.

The first special newspaper in the world for floral arrangement.

250 ILLUSTRATIONS ANNUALLY.

Specimen number free.
Subscription, $2.40 yearly.

BINDEKUNST-VERLAG,
J. Olbertz, ERFURT, GERMANY.

Please mention the American Florist when writing

J. B. MURDOCH & CO.

WHOLESALE FLORISTS,

FLORISTS' SUPPLIES.

545 Liberty Ave., PITTSBURG, PA.

IT IS NOT...

what you pay for the advertisement but what the advertisement pays you. It pays to advertise in the **American Florist.**

Field-grown Carnation Plants. GOOD CLEAN STOCK. WRITE FOR PRICES.

ABSOLUTELY THE BEST POSSIBLE SERVICE.

W. E. McKissick

WHOLESALE FLORIST.

Business Hours 7 a.m. to 6 p.m.

1221 Filbert Street, PHILADELPHIA, PA.

Please mention the American Florist when writing

Nephrolepis Whitmani

2¼-inch, $25.00 100,

Boston Ferns 2¼-in. $3.00 per 100.

Henry H. Barrows & Sons, WHITMAN MASS.

Please mention the American Florist when writing.

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

Please mention the American Florist when writing.

New York.

MARKET DULL.

The market is dull and there is nothing which might make business good. Roses are in abundance and general varieties do not appeal to the trade as staples. American Beauty is rather scarce, but the buying does not go beyond 20 cents for top grades. Carnations are not plentiful, and Enchantress is easily the best of the offerings. Chrysanthemums are the best thing in the market, and with the late varieties now in evidence other staples are hard to move. Orchids are very plentiful, and Cattleya labiata is to be seen everywrere, sales running as low as 25 cents per bloom. Violets are a good thing, prime arrivals running to 75 cents per hundred. Lilies are scarce and such as arrive bring easily $2.00 per dozen. Lily of the valley is short in supply, and the maximum of quotations shows about what it is bringing. Calla lilies are shown here and there and sell well, mainly for church effects.

The Market, October 31.—The market is rather dull today and arrivals in excess of demand.

NOTES.

Chas. H. Totty was in town last Saturday with a grand vase of his new chrysanthemum White Duckham, which he exhibited before the examining committee of the Chrysanthemum Society of America. It is an exact counterpart of the pink Wm. Duckham in all but color. It will be exhibited at the Chicago show, Mr. Totty entering quite an extensive exhibit which he will personally look after. Show chrysanthemums are very late in acquiring the desired form this year, and exhibitions are suffering somewhat in consequence.

Julius Lang, the Thirtieth street wholesaler, has gone out of business and the business is discontinued. Mr. Lang had been located in the abandoned quarters 12 years, and was the last of the Thirtieth street commission men. The street no longer figures in the cut flower district.

The Hinode Florist Co., of Whitestone, L. I., has taken a stand at the New York Cut Flower Exchange, and is handling some very fine chrysanthemums there every morning.

The fall shows are opening in this section, those at Madison and Tarrytown drawing many trade visitors from New York.

C. C. Matthies of Woodside, L. I., is lying at the Polyclinic hospital, seriously ill with a cancerous growth in the neck.

Paul and Henry Dailledouze will be among those in the trade who will attend the Chicago show.

Albany, N. Y.

F. A. Danker, the Maiden Lane florist, spent two days last week in attendance at the chrysanthemum show at Lenox, Mass. He returned quite enthusiastic over what he saw and believes that the chrysanthemums on exhibition were forced considerably earlier than by the average commercial grower. During the trip he paid a visit to the large private conservatories of W. D. Sloane and Gerard Foster where he saw chrysanthemums with the main and only stock as thick as one's thumb, towering aloft for about 11 feet and bearing at the summit a single blossom that would put an ordinary hat to shame for size. Lenox is the abode of many wealthy people who own vast estates adjoining one another for miles in the fair region of the Bershires. In the conservatories he saw luscious peaches, grape vines bearing immense clusters and other fruits that one sees ordinarily only in the late summer.

Whittle Bros. furnished the decorations for the New Hampton hotel which opened for business October 29. The firm sent from its store and greenhouses a large collection of foliage plants of all kinds which were distributed in the lobbies, office, dining rooms and principal places of public assembly. The dining tables were tastefully decorated with roses and carnations. The new hotel is a first class addition to the city's list of hostelries.

Patrick Hyde and a number of local florists are planning to hold a beefsteak supper in Hyde's new office building as soon as the edifice shall have been completed. R. D.

Washington.

STOCK SCARCE.

The condition of trade has varied but little within the past week. There were a few wedding decorations and about the average amount of funeral work and counter sales. There is a noticeable increase in the quantity of chrysanthemum stock. Some large sized blooms are to be seen, but most of the business is being done with those that sell at from $1.50 to $3.00 per dozen. The weather of this season was not of the kind that puts constitution in plants; it is therefore safe to say that the finish of the chrysanthemum season is not yet "but soon." Carnations continue scarce and of the blooms that do come in a considerable proportion are poor. Enchantress, as a rule, is sustaining its reputation but Lawson seems to be going backward. In white, Lieut. Peary and White Perfection seem to be among the most promising of the newer varieties. In scarlet Robert Craig, Victory and Cardinal are all doing very well. Cardinal is now more promising than when it was first tried in this locality. The writer, in the matter of the Killarney roses, feels justified in saying "I told you so." The Killarney has made a hit here and everybody wants it.

THE GOVERNMENT GREENHOUSES.

At the propagating gardens may be seen a fine collection of chrysanthemums. Among the most noteworthy specimens are Baden-Powell and Amorita, pink; Lord Alverstom, variegated; O. P. Bassett, Donald McLeod, and De Italie, yellow. W. J. Bryan is a fine white, while Casco is a crimson such as should delight the eyes of those who admire that color. In carnations, the Flamingos grown at the gardens are noteworthy, not only for their excellence but from the fact that many growers have not been successful with it. Cardinal is also grown with success.

At the Department of Agriculture there is a promising exhibit of carnations. Enchantress, Lawson, Robert Craig, Lieut. Peary and other varieties are here grown in addition to a large lot of seedlings. Mr. Furmage, rose grower at the propagating gardens, who had three ribs fractured, about a month ago, has recovered sufficiently to resume work. Noteworthy improvements in landscape work, have this year been made along the speedway and the part of the Potomac embankment adjacent to it.

NOTES.

At Alex. B. Garden's, where the carnations are all grown on solid beds, stock is looking fine. While Mr. Garden does not claim that the beds are superior to benches he thinks they are just as good, and that the saving in lumber compensates for the slight decrease that may occur in the number of blooms. Next year he intends to substitute concrete for the boards that are now used around the sides and ends of the beds. At the rate that the fashion is spreading it looks as though we would soon have celebrated politicians and lobbyists, "done," not as they now are in bronze and marble, but in concrete.

John Robertson, Henry Pfister and others have recently received from Dreer's consignments of fine decorative palms. The genial Mr. Gowdy, drummer for the last named firm, is a quiet man but he gets the orders.

The feature of Z. D. Blackistone's window, this week, is a large basket and vases of cattleyas, from Geo. Field's range. The flowers run 5 and 6 to a spray and finer specimens could not be found.

Davis Bros. are sending in a fine quality of Princess Louise violets. They have also an equally good quality of white violets.

A. T. De La Mare, New York, made a business trip to this city during the past week. S. E.

Pittsburg.

MARKET ACTIVE.

The abundance of chrysanthemums coming in affects all other lines except carnations. All growers seem to be cutting heavily in Ivory. Viviand-Morel is selling well, while Appleton holds the board in yellow. Roses are quite plentiful especially the smaller grades. Lilies are more plentiful but on account of the chrysanthemums are slow sale. Greens are over plentiful.

NOTES.

At a meeting of the wholesalers it was agreed not to handle any stock of growers who sell directly to the retailers and dump the balance in the wholesale houses, as they never can be depended on.

The wind storm on Saturday caused considerable damage to greenhouse men. Ernest Fisher was fortunate in getting a wind breaker erected in time to prevent serious loss.

The Florists' Club will meet November 6. Chrysanthemums will be exhibited and discussed.

J. B. Murdoch & Co. are handling some very nice American Beauty.

The Pittsburg Florists' Exchange is handling some select carnations.

The Pittsburg Cut Flower Co. is busy moving into its new quarters.

Visitors: J. S. Crall, Monongahela City; Geo. L. Huscroft, Steubenville, O., and S. S. Pennock, Philadelphia.

J.

HORACE E. FROMENT, Wholesale, Commission,
Successor to William Chormley.
Orchids, Roses, Carnations, Valley, Lilies, Etc.
57 West 28th Street, NEW YORK CITY.
Telephones 2200 and 2201 Madison Square.

WE WILL CUT **20,000 Cattleya Labiata**
FLOWERS, ALSO PLANTS IN BLOOM,
ALL AT THE LOWEST MARKET PRICES.
SIEBRECHT & SON, ...ROSEHILL NURSERIES.. NEW ROCHELLE, N. Y.

Choice Carnations. Selected Roses.
Traendly & Schenck
NEW YORK CITY,
44 W. 28th Street, Cut Flower Exchange.
New Telephone No. 798 & 799 Madison Sq.
Please mention the American Florist when writing

CARNATIONS
MY SPECIALTY
Consignments Solicited. Prompt Payments
Established 1891.
Alfred H. Langjahr, 55 W. 28th St., NEW YORK.
Telephone 3924 Madison Square.
Please mention the American Florist when writing.

FORD BROS.
Receivers and Shippers of
Fresh Flowers
48 West 28th St. NEW YORK.
Telephone 3870-3871 Madison Sq.
Please mention the American Florist when writing

N. Y. Cut Flower Exchange
Coogan Bldg., 6th Ave. & W. 26th St., New York.
Open for Cut Flower Sales at 6 o'clock Every Morning.
Desirable Wall Space to Rent for Advertising.
V. S. DORVAL, JR., Secretary.
Please mention the American Florist when writing.

JOHN P. SCHERER,
Wholesale Dealer in
EVERGREENS, GALAX, FERNS and DECORATIVE SUPPLIES.
I can supply everything needed in the way of GREENS OR MOSS.
636 Garden St., UNION HILL, N. J.

ORCHIDS
Largest Importers, Exporters, Growers and Hybridists in the World.
SANDER, St. Albans, England.
NEW YORK OFFICE: Room 1, 236 Broadway T. MELLSTROM Agent

Charles H. Totty
WHOLESALE FLORIST
Chrysanthemum Novelties A Specialty. MADISON, N. J.

Eine absolute Nothwendigkeit!

Hiermit $1.00 für mein Abonnement. Es ist die Pflicht eines Jeden prompt für den „American Florist" zu bezahlen, weil dieser eine absolute Nothwendigkeit für jeden Blumenzüchter ist.

Carl Roegner, Alabama.

Wholesale Flower Markets

NEW YORK, Oct. 31.

Roses, Beauty, best	10 00@20 00
" " medium	6 00@10 00
" " culls	1 00@ 4 00
" Liberty, best	3 00@ 7 00
" " culls	1 00@ 2 00
" Bride, Bridesmaid, G.Gate	50@ 5 00
" Kaiserin, Carnot	1 00@ 6 00
Carnations	1 00@ 1 50
" fancy and novelties	2 00@ 4 00
Lily of the valley	1 00@ 4 00
Lilies	6 00@15 00
Violets	25@ 60
Smilax	6 00@ 8 00
Adiantum	50@ 1 00
Asparagus	20 00@50 00
Chrysanthemums, doz., .50@$3.00	

Thomas Young
WHOLESALE FLORIST.
43 West 28th St., NEW YORK.

Alex. J. Guttman
The Wholesale Florist of
NEW YORK.
Phone 1664-1665 Mad. Sq. 43 W 28th Street.

Moore, Hentz & Nash,
Wholesale Commission Florists,
55 and 57 West 26th Street,
Telephone No. 756 Madison Square. New York.

N. Lecakes & Co.
53 W. 28th St., NEW YORK.
Tel. No. 1214 Madison Square
Stands at Cut Flower Exchange, Coogan Bldg., W. 26th Street & 34th Street Cut Flower Market. SPECIALTIES: Galax Leaves, Ferns and Leucothoe Sprays, Holly, Princess Pine and all kinds of Evergreens.
Green and Bronze Galax Leaves, $1.00 per 1000.

A. J. FELLOURIS,
J. J. Fellouris, Manager.
Wholesale and Retail Dealer in all kines of EVERGREENS.
Fancy and Dagger Ferns Bronze and Green Galax.
Telephone, 2675 Madison Square.
52 West 28th Street, NEW YORK.

George Cotsonas & Co.
Wholesale and Retail Dealers in all kinds of
Evergreens.
Fancy and Dagger Ferns, Bronze and Green Galax.
Phone 1202 Mad. Sq.
Main Store, 50 W. 28th St., NEW YORK.

—FLOWERS SHIPPED BY—
JOHN I. RAYNOR
Are the best product of the best growers for the New York Market.
Adiantum Croweanum sold here exclusively.
49 W. 28th St., NEW YORK.
Tel. 1998 Madison Square.
Please mention the American Florist when writing

Walter F. Sheridan,
WHOLESALE FLORIST,
Telephones 3532 and 3533 Madison Square.
39 West 28th St., NEW YORK.
Please mention the American Florist when writing.

J. Seligman. Joseph J. Levy
John Seligman & Co.
WHOLESALE FLORISTS
56 West 26th Street, NEW YORK.
OPPOSITE N. Y. CUT FLOWER CO.
Everything in Cut Flowers. Consignments from growers solicited. Prompt returns. Best prices. Satisfaction guaranteed. Tel. 4878 Madison.

PHIL. F. KESSLER
Wholesale Commission Florist
Telephones { 2921 / 5243 } Madison Square.
55 WEST 26th STREET,
Consignments solicited. Prompt payments. New York.

A. M. HENSHAW
Wholesale Commission Florist.
Consignments of first-class stock solicited. Out of town orders carefully and promptly filled.
Telephone 5583 Madison.
52 W. 28th St., NEW YORK

A. L. Young & Co.
WHOLESALE FLORISTS.
Consignments of choice cut flowers solicited. Give us a trial.
54 West 28th St, NEW YORK.
Telephone, 3559 Madison Square.

THE KERVAN COMPANY,
20 West 27th St., NEW YORK.
Wholesale dealers in fresh cut Palmetto and Cycas Palm leaves, Galax, Leucothoe Ferns, Mosses and all Decorating Evergreens.

J. K. ALLEN.
Wholesale Commission Florist.
106 West 28th St., NEW YORK CITY.
Open every day at 6:00 A.M Tel. 167 Madison Sq.

Orchids!
ARRIVED IN SUPERB CONDITION.
Cattleya Dowiana, C. gigas, C. Mossiæ, C. Percivaliana, C. Speciosissima, C Eldorado, C. superba, C. labiata C. Leopoldii, and many more. Write for prices.
Lager & Hurrell, SUMMIT, N. J.
Orchid Growers and Importers.

CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

William H. Donohoe,

No. 2 West 29th St., (One Door Off 5th Ave.) NEW YORK.

PHONES: 3034 and 3035 MADISON SQUARE.

Write, wire or telephone your orders to the above. Personal attention assured.

The best is none too good. Prices always right. Send me your next order.

DETROIT.

JOHN BREITMEYER'S SONS

Cor. MIAMI and GRATIOT AVES.

DETROIT, MICH.

...Artistic Designs...

High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

MILWAUKEE.

C. C. Pollworth Co.

MILWAUKEE, WIS.

Will take proper care of your orders in WISCONSIN.

INDIANAPOLIS.

Bertermann Bros. Co.

FLORISTS

241 Massachusetts Ave. INDIANAPOLIS, IND.

ST. LOUIS.

Fred. C. Weber,

FLORIST.

4320-4328 Olive St., ST. LOUIS, MO.

Established 1873. Bell, Lindell 676.

DENVER.

The Park ...Floral Co.

J. A. VALENTINE, President. DENVER, COLO.

OMAHA.

HESS & SWOBODA,

Florists,

1415 Farnam Street. OMAHA, NEB

'Phone 1501 and L. 1582.

Please mention the American Florist when writing

DENVER.

FLORAL DESIGNS AND FLOWERS.

Best Quality on Shortest Notice.

DANIELS & FISHER, DENVER, COLO.

Order by mail, telephone, telegraph or cable.

Cable address: "Daniels Denver."

LONDON PARIS BERLIN

A. Lange

Prompt Attention to STEAMSHIP ORDERS.

Main Address 40 East Madison Street, Heyworth Bldg. ...CHICAGO.

Agents in all Leading European Cities.

GUDE BROS. CO FLORISTS 1214 F ST. N.W. WASHINGTON, D.C.

WASHINGTON, D. C.

Gude's.

CHICAGO.

P. J. HAUSWIRTH

Auditorium Annex, CHICAGO.

Mail, telegraph or telephone orders filled promptly in best style.

BUFFALO.

Palmer's

Buffalo, N. Y.

W. J. Palmer & Son, 304 Main St.

WASHINGTON.

GEO. H. COOKE,

FLORIST

Connecticut Avenue and L Street

WASHINGTON, D. C.

KANSAS CITY.

Samuel Murray

...FLORIST...

Coates House Conservatory

1017 Broadway, KANSAS CITY, MO.

Both 'Phones 2670 Main.

Write, Telephone or Telegraph. All orders given prompt attention.

KANSAS CITY.

GEO. M. KELLOGG,

936 Grand Avenue,

KANSAS CITY and PLEASANT HILL, MO.

Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

BROOKLYN, N. Y.

Robert G. Wilson

Fulton St. and Greene Ave. BROOKLYN

Greenhouses: Short Hills, N. J.

—Deliveries in—

Greater New York, Long Island and New Jersey.

Trade orders from all parts of the country filled for delivery at residence, steamer, hotel, or theater on wholesale basis. Satisfaction guaranteed. Wire or telephone.

ST. PAUL.

HOLM & OLSON,

ST. PAUL.

THE LEADING FLORISTS OF THE NORTHWEST

Orders will be well cared for anywhere in Minnesota and the Dakotas.

GALVESTON.

Mrs. M. A. Hansen,

—FLORIST—

Galveston, Texas.

Special attention given to Telegraph or Telephone Orders. 'Phone 1912.

JACKSONVILLE.

MILLS THE FLORIST,

36 W. Forsyth Street,

JACKSONVILLE, FLA.

WASHINGTON.

Mayberry & Hoover

Florists and Decorators

1339 Fourteenth St., Northwest

Telephone North 508. WASHINGTON, D. C.

New Orleans

CUT FLOWERS

For Tourists and General Trade.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, —838— CANAL ST.

COLUMBUS.

The Livingston Seed Co.

FLORISTS

Cover All Ohio Points. 114 North High St.

YOU WANT CUT FLOWERS

That you can sell to advantage. You want the **BEST STOCK,** and only the **BEST,** don't you? Then give us a trial. We have **every** facility for handling the choicest lines of seasonable stock—and we do.

FLORISTS' SUPPLIES are specialties of ours The most up-to-date and best of supplies can be obtained of us at lowest price. Try us once and we will get your future orders. Write for catalogue.

A. L. RANDALL CO., 19-21 Randolph St., Chicago

The Cleveland Cut Flower Company,

WHOLESALE CUT FLOWERS, FLORISTS' SUPPLIES, WIRE DESIGNS.

215 Huron Road, CLEVELAND, OHIO.

Cut Flowers or Designs

Will be delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

ST. LOUIS.

Theodore Miller

FLORIST,

Long Distance Phone, Bell, Forest 56, Kinloch, Delmar 201. **4832 Delmar Boulevard, ST. LOUIS, MO.**

Please mention the American Florist when writing

DAYTON, O.

Matthews,

FLORIST,

16 W. 3rd St., DAYTON, O.

Please mention the American Florist when writing.

ALBANY, N. Y.

EYRES

Flowers or Design Work.

DELIVERED IN ALBANY AND VICINITY ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

Please mention the American Florist when writing

ROCHESTER.

J. B. KELLER SONS,

FLORISTS.

25 Clinton Ave., N., ROCHESTER, N. Y.

Rochester Phone 506. Long Dist. Bell Phone 2189.

LOUISVILLE.

JACOB SCHULZ, 644 Fourth Ave., LOUISVILLE, KY.

Cut Flowers of BEST QUALITY in season delivered promptly to any address.

Write, Telegraph or Telephone.

Cumberland and Home Phones 223 and 984.

Please mention the American Florist when writing

ATLANTA.

ATLANTA FLORAL CO.

41 Peachtree Street, ATLANTA, GEORGIA.

Please mention the American Florist when writing.

ORCHIDS...

(28 HOUSES)

Imported, semi-established, established, and fine Hybrids. Stove and greenhouse plants.

Inspection invited. Correspondence solicited.

JULIUS ROEHRS CO., Rutherford, N. J.

Please mention the American Florist when writing

FERNS.

Extra Fine and Cheap.

FROM BENCH. Boston, 3-inch 5c; 6-7-in., 15c. Boston and Piersoni 4-inch, 10c.; 5-inch, 12½c. Tarrytown, 3-inch, 10c.; 4-inch, 15c; 6-inch, 25c; Tarrytown Runners, fine stock, $2.00 per 100. Scottii, 3-inch, 8c; 4-inch, 12½c; 5-inch, 15c.

PRIMROSE, Chinese, white, strong, 2-in., 1½c.

FLOWERING BEGONIAS, 8 kinds, 2-inch, 2½c.

ASPARAGUS SPRENGERI, 2½-in., $2.00 per 100.

PANSIES, Giant, $3.00 per 1000.

Dbl. DAISIES, Snowball, Longfellow, Delicata, $2.50 per 1000.

HARDY PINKS, field, Essex Witch, M. Gray, Abbottsford, 3½c.

Dbl. HOLLYHOCKS, 4 colors, field, 1 year, 3c. Cash or C. O. D.

BYER BROS., Chambersburg Pa.

Please mention the American Florist when writing.

FINE FIELD-GROWN

Violet Princess of Wales, 4c

Coreopsis Grandiflora, 3c

Let me quote you on

HERBACEOUS STOCK.

MARTIN KOHANKIE,

Painesville, Ohio.

ROOTED CUTTINGS.

Geraniums and Carnations

Send a list of what you want and how many of each variety, and I will be pleased to quote figures on your complete order.

ALBERT M. HERR, Lancaster, Pa.

...CARNATIONS...

Bargain rates to sell before freezing. 3,000 Norway, $3.00 per 100. **Chrysanthemums,** stock plants, Estelle, Oct. Sunshine, J. K. Shaw, 75c per doz.; $6.00 per 100.

Smilax, extra good, 3-in., $2.50; 2¼-in., $2.00. **Asparagus Plumosus,** 2¼-in., $3.00; 3-in., $5.00. **Boston Ferns,** 5-in., $25.00. Specimens, 75c and $1.00. **ROSES,** strong, 3-in., Bride and Maid, $4; 2¼-in., $2.

W. H. GULLETT & SONS, Lincoln, Ill.

ROOM....

We are crowded for room and must dispose of a lot of

BOSTON FERNS AT A SACRIFICE.

We have a large stock of **Boston, Piersoni, Elegantissima** and **Scottii.** Write for special prices which are too low to appear here.

W. W. COLES, Kokomo, Ind.

FERNS FROM BENCH.

BOSTONS, ready for 4 and 5-inch pots, $10.00 and $15.00 per 100 respectively.

CARNATIONS.

1500 Norway, extra large, healthy plants, $3.50 per 100; $30.00 per 1000.

ASPARAGUS.

Heavy, 2½-inch, plants, ready for a shift, Sprengeri, extra fine.. 3.00 per 100; 25.00 per 1000

" field-grown clumps, $6.00 per 100.

JERUSALEM CHERRIES, 3½-inch now in bloom, $4.00 per 100 These plants are ready for 5-inch.

1500 **CALIFORNIA VIOLETS,** fine big clumps, $5.00 per 100.

J. W. DUNFORD, Clayton, Mo.

Please mention the American Florist when writing.

A Few Good Things You Want.

Cash with Order.

Dracaena Indivisa, 4 and 5-inch, $10.00 and $25.00 per 100.

Asparagus Plumosus, 2-in., $3.00 per 100.

Asparagus Sprengeri, 2-inch, $2.50 per 100.

Geraniums, S. A. Nutt, Castellane, John Doyle, Perkins, Poitevine and Double Gen. Grant, La Favorite, 2-in. pots, $2.00. Rooted cuttings $1.00 per 100.

Rex Begonia, nice plants, and 2½-inch, $5.00 per 100.

Boston Ferns, 5-inch, 30c each.

Pierson Ferns, 5-inch, 50c each.

Vinca Var., 2-in., $2.00 per 100.

Primula Obconica, 2-in., $2.00 per 100.

GEO. M. EMMANS, NEWTON, N. J.

Please mention the American Florist when writing.

Abundance Carnation

Plants from the field all sold.

Rooted cuttings of this variety will be ready about January.

RUDOLPH FISCHER, GREAT NECK, L. I., N. Y.

Please mention the American Florist when writing.

The Best Way to Collect an Account

is to place it with the

NATIONAL FLORISTS' BOARD OF TRADE, 56 Pine St., New York.

Why? Because many debtors will pay the Board, fearing otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.

The American Florist Company's

DIRECTORY

Contains the names and addresses of all the Florists, Seedsmen and Nurserymen in the United States and Canada. **Price $2.00.**

AMERICAN FLORIST CO., 324 Dearborn Street Chicago, U. S. A.

The Seed Trade.

American Seed Trade Association.
H. W. Wood, Richmond, Va., Pres.; C. S Burge, Toledo, O., First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas. Twenty-fifth annual convention at New York, 1907

THE Elgin Seed Co., it is stated, has been forced into the hands of a receiver by one of its creditors.

CHICAGO.—Leonard H. Vaughan is rejoicing in the arrival of a son at his home, a Halloween baby.

THE Southern Shippers' Guide is offering a packet of Burrell's Gem cantaloupe seed free with every 50 cent subscription.

VISITED CHICAGO: E. J. Sheap, of S. M. Isbell & Co., Jackson, Mich.; Alfred Emerich, representing Vilmorin-Andrieux & Co., Paris.

The Question of Discounts.

We read with a great deal of interest the open letter under the heading as above, and wish to say that, to us, the matter of discounts and premiums is a practice that there is absolutely no excuse for. Who ever heard of a discount on postage stamps or who ever bought Ivory soap for the premium? Invariably the child buys the peanuts for the prize and not for the peanuts, but we are not dealing with children.

We cannot agree with our friend who took the look through "the various catalogues for inspirations, etc.," when he argues that "we are giving away altogether too much." A further look "for inspirations" will reveal the fact that the $1.25 worth of seed for $1—for every $1 worth of seeds ordered in packets you may select 50 cents worth extra, etc., etc.,—has been amply provided for in the original price asked.

This practice may not be intended to deceive the innocent buyer, but the copy for these glittering offers was surely not written on the fly leaves of the good book.

It is not naturally supposed that the rank and file of people who plant seeds are as capable of discerning a deceptive offer as the man who writes the copy for the average seed catalogue. For this reason, if no other, a misleading statement or an offer purporting to give more than a dollar's worth for a dollar, approaches an act of criminality.

We believe that the time is now here when every man should ask just what he expects to get for any commodity which he may have to offer, and not employ any subterfuges in order to make the sale.

ANOTHER SEEDSMAN.

French Seed Crops.

Paris, October 9.—Since sending you my last notes several weeks ago, the situation in the leading growing districts of France has far from improved. Although in a few regions they were favored with some light thundershowers, the quantity of rain falling during the summer was so trifling that it can be said that the drought remained unbroken from May to October, while during all that time the weather was unusually warm.

The great seed growing districts of western and southewestern France suffered most of all, and have had very poor crops of everything, peas, beans, potatoes, forage, etc. Not since 1893 has such a protracted drought been experienced there, and agriculture will lose heavily. The soil having been dust dry for several months, no forage plants, no cabbages or kales, no turnips, no mangels could be planted or sown at the right time. The pasture, on the other hand, having been in a parched or withered condition for many weeks, the farmers had to fall back on their usual winter supply to prevent cattle from starving, which in many cases is already exhausted or greatly reduced. This is quite a serious matter, if we consider that the districts referred to (west and southwest) are also centers in the rasing of cattle, of which they possess 1,500,000 head. If for want of the necessary food farmers will have to sell their annuals during winter, it can only be at ruinous prices, while they may have to pay famine prices in the spring for buying some cattle back.

The drought will have a disastrous effect on the biennials grown for seed for 1907. In the regions where they have had some rain in September, and where the soil is light and permeable, the farmers profited by the little moisture to put out their cabbages, beets, carrots, etc., but the young plants had suffered so long in the seed beds that most of them could not withstand the dryness which succeeded afterwards. The plants which were left are weak, and should weather not prove most favorable during the whole winter, many of them will go further under. Heavy land was too dry, even after the few showers, to admit of its being worked and receive the young plants. We may, therefore, claim without fear of being

5,400 ACRES OF GARDEN SEEDS IN CULTIVATION.
Braslan Seed Growers Co.
WHOLESALE SEED GROWERS.
SAN JOSE, CALIFORNIA.
Please mention the American Florist when writing.

S. M. ISBELL & CO.
SEED GROWERS.
JACKSON, MICH.
—SPECIALTIES:—
BEANS, CUCUMBER and TOMATO,
Also RADISH, PEAS and MUSKMELON,
Sweet Corn and Squash.
Correspondence solicited.

BELATED SHIPMENT.
PAPER WHITE NARCISSUS.
Choice, sound, 13-15 cm. bulbs, 1,300 to the case, at $7.00 per 1000, in full case lots only; in less quantity at $8.00 per 1000.
Stokes Seed Store.
219 Market St., PHILADELPHIA.

SURPLUS DUTCH BULBS.
DUTCH ROMAN HYACINTHS, named, fair supply.
TULIPS, Single, leading forcing sorts, from Artus to Yellow Prince.
TULIPS, Single, fine mixed.
CROCUS, Mammoth Yellow.
TULIPS, Double, 6 leading named kinds.
TULIPS, Double, fine mixed
TULIPS, Double, extra fine mixed.
TULIPS, Double, separate colors.
NARCISSUS, Emperor. Princeps.
NARCISSUS, Double Orange Phoenix
VAUGHAN'S SEED STORE,
84-86 Randolph St., CHICAGO. 14 Barclay St, NEW YORK.
Greenhouses and Nurseries, Western Springs, Ill.

mistaken, that the acreage planted in western France for seed purposes for next year in beets, mangels, cabbages, carrots, parsnips, onions and leeks, is very much reduced, and will be still more so if the weather during the winter is not quite favorable.

Taking the above situation into consideration, and considering besides that we have now had three or four short beet crops, that not a single pound of the leading sorts, such as Detroit, Crosby's Egyptian, Eclipse, Dewing, Edmand's, will be left over at the end of the present season, and that the plantations in southern France have also been very much reduced by the protracted drought, we can positively aver that beet seed, particularly, will again be very short in the fall of 1907, and most probably high priced.

In the face of such discouraging crop conditions, some growers threaten to refuse to grow on contract in future, unless it be at a great advance in price.

Regarding this year's deliveries, the receipts from the growers are very disappointing. Beets and radishes are falling short of even the gloomiest predictions. Some varieties are absolute failures. French market gardeners will have to be satisfied with some yearling radish seeds, showing a vitality of only 50 per cent., or do without the seed.

To judge from the orders received from seedsmen, they are contented with such a low germination; but what else can they do if they wish to sell radish seed? Our gardeners prefer seed of good quality showing a somewhat low vitality to the reverse. The only thing for them to do is to sow a little thicker.

PARISIAN.

Big Deal in Cobalt Stock.

It is announced that Hiram W. Sibley, a seed merchant, of Rochester, who has been in control of the McKinley-Darragh - Savage Mining Co., at Cobalt, transferred October 27, at private sale 500,000 shares of the stock at a price considerably above the market. The purchaser is a director and officer of one of the biggest industrial corporations in America, and it is expected that several new directors will enter the McKinley-Darragh board in the near future as a result of the deal. —New York Herald.

PANSIES.

International, fine strain: **English Prize, Parisian,** finely variegated and shaded: also **Giant Trimardeau,** all colors and striped: also **Odier,** beautifully spotted.

$3.00 per 1000; **50c** per 100 by mail.

F. A BALLER, Bloomington, Ill.

Please mention the American Florist when writing.

J. STAER, Nurseryman and Seedsman,

WAHROONGA, New South Wales, AUSTRALIA.

Collector of Australian and Island Seeds and Plants. Palms, Ferns, Platyceriums, Orchids, Eucalyptus, ornamental trees and shrubs.

PALM SEEDS.

	Per 1000		Per 1000
Kentia Forsteriana	$1.25	Livistona Australis	.50
" Belmoreana	1.25	Bacularia Monostachya	1.50
" Canterburyana	3.00	Calamus Muelleri	1.50
" Moorei	12 00	Gymnostachys Anceps	2.00
Areca Baueri	1 00		
Seaforthia Elegans.	.50		

TREE SEEDS.

Castanospermum Australe.....$5.00 per 1000
Araucaria Excelsa ..... 1.25 per 1000

Please mention the American Florist when writing.

Gentlemen:

YOU CAN NOW GET THE FINEST

Lily of the Valley

Our **EXCELLENTA,** in original cases of five hundred pips, the best and strongest in the market, so that you can order a small quantity any time in the season whenever you need it.

We expect much demand for these small cases of **LILY OF THE VALLEY** and as we will have only 500 cases on hand with which to try this novelty, we advise you to send your order soon stating the different dates on which you would want cases sent you. If you are not known to us please send cash with order and deduct 3%.

If you are not entirely satisfied you can return the Valley at our expense.

Price per original case of 500 finest Lily of the Valley, **EXCELLENTA, $7.00.**

Yours very truly,

JOHN SCHEEPERS & CO.

2, 4 and 6 Old Slip, NEW YORK.

NOW READY.

EASTER LILIES

Should be potted at once, as Easter is early in the year.

Japan stocks are now arriving, and are in first-class shape.

Japan Longiflorum,	9 to 10 in. bulbs, case of 200 bulbs	$15.00
" " **Multiflorum,**	7 to 9 in. bulbs, case of 300 bulbs	15.00
" " "	9 to 10 in. bulbs, case of 200 bulbs	17.00
" " **Giganteum,**	7 to 9 in bulbs, case of 300 bulbs	18.75
" " "	9 to 10 in. bulbs, case of 200 bulbs	21.00
Lilium Candidum,	selected bulbs	$5.00 per 100

A FEW OF THE LEADING NARCISSI.

			Per 1000
Paper White Grandiflora,	13-15 cm., fine bulbs, case of 1250 bulbs	$11.25	
		Per 1000	
Double Von Sion,	extra size	$12.00	
" "	mammoth double-nosed, or top-root	20.00	
Princeps,	early, single fine bulbs	7.00	
Golden Spur,	the favorite single yellow		$18.00
Empress,	a grand bi color		20 00
Alba Plena Odorata			6.00
Barri Conspicuus			8 00
Poeticus			4.50
Poeticus Ornatus			7.00

			Per 1000
WHITE ROMAN HYACINTHS,	13-15 cm.	$28.00	
FREESIA REFRACTA ALBA,	finest Bermuda bulbs	7.50	
BERMUDA BUTTERCUP OXALIS			$7.50
SPANISH IRIS,	mixed		2.50

For other bulbs and for smaller quantities, see our Wholesale Price List, in which will be found a full assortment of all kinds of bulbs for winter and spring flowering. Send for list if you have not already received one.

F. R. PIERSON CO., Tarrytown-on-Hudson, N.Y.

PACIFIC SEED GROWERS' CO.

109 MARKET STREET

SAN FRANCISCO, CAL.

Specialties:

Onion, Carrot, Lettuce, Sweet Peas

The Nursery Trade

American Association of Nurserymen.
Orlando Harrison, Berlin, Md., President; J. W Hill, Des Moines, Ia., Vice-President; George C. Seager, Rochester N. Y., Sec'y.
Thirty-second annual convention, Detroit, Mich., June, 1907.

THE retail demand for peony roots has been exceedingly lively this fall.

AUTUMN foliage is very beautiful as long as it lasts but in dead of winter we have only bare stems to look at on deciduous trees and shrubs. Here is where the red stemmed dogwoods and yellow willows come in. On a bright winter day these light up beautifully in the sun, especially if planted in front of evergreens and grouped in sufficient numbers to be effective. When dull this kind of thing is about the only relief we have from the somber effect of the landscape.

American Civic Association.

The annual meeting of the American Civic Association was held at Milwaukee, Wis., October 24-26, the headquarters of the association being the Hotel Pfister. The morning of the first day was devoted to the address of welcome by Hon. Sherburn M. Becker, mayor of Milwaukee, responded to by President J. Horace McFarland; the annual review, and the reading of the treasurer's annual report. In the afternoon the following reports from the departments were read: "Arts and Crafts," by Mrs. M. F. Johnston; "Children's Gardens," by Dick J. Crosby; "City Making," by Frederick L. Ford, read by C. H. Barber, Hartford; "Factory Betterment," by E. L. Shuey; "Social Settlements," by Graham R. Taylor; "Press," by Frank Chapin Bray; "Public Nuisance," by Harlan P. Kelsey; "Parks and Public Reservations," by Andrew Knight Crawford; "Railroad Improvements," by Mrs. A. E. McCrea, and "Rural Improvement," by O. C. Simonds.

At the evening session "Milwaukee's Share," an illustrated paper by R. B. Watrous and A. C. Clas was given, followed by "The Travelling Library, and Civic Improvement in Wisconsin" by Miss L. E. Stearns, and the reception to delegates. The following officers were elected for the ensuing year: J. Horace McFarland, Harrisburg, president; James D. Phelan, San Francisco, and L. E. Holden, Cleveland, vice presidents; W. B. Howland, New York, treasurer; R. G. Ogden, New York, chairman of the advisory committee.

The chairmen of the departments were chosen as follows: Mrs. M. F. Johnston, Richmond, Ind., "arts and crafts;" Miss Mary M. Butler, Yonkers, N. Y., "children's gardens;" F. L. Ford, Hartford, "city making;" Miss G. Becks, New York, "factory betterment;" Miss Mary E. Ahern, Chicago, "libraries;" W. H. Manning, Boston, "outdoor art;" Joseph Lee, Boston, "public recreation;" H. M. Watts, Philadelphia, "press;" K. P. Kelsey, Philadelphia, "public nuisances;" A. C. Clas, Milwaukee, "parks and public recreation;" Mrs. A. E. McRea, Chicago, "railroad improvement;" D. W. King, Maitland, Mo., "rural improvement;" O. J. Kern, Rockford, Ill., "school extension," and Graham R. Taylor, Chicago, "social settlement."

"Civic Beauty and Civic Safety," by F. J. Stilson, Los Angeles; and "Architecture and Civic Progress," by F. D. Mann, St. Louis, were the morning papers on October 25, this being followed by a discussion in which the speakers were limited to five minutes each. The afternoon papers were: "What Women Are Doing for Civic Improvement," by Mrs. Edward L. Upton, Waukegan, Ill.; "Cleaning Up Days," by Mrs. Edwin F. Moulton, Cleveland, O.; "The Richmond Story," by Mrs. M. F. Johnston; "The Niagara Campaign," by J. Horace McFarland; and "The Billboard Nuisance," by Harlan Kelsey. The election of officers for the "Woman's Outdoor Art League" was held with results given: Mrs. Edwin F. Moulton, Ohio, president; Mrs. A. W. Sanborn, Ashland, and Mrs. J. C. Haynes, Seattle, first and second vice presidents respectively; Mrs. Agnes McG. Pound, Ashtabula, secretary; Miss A. J. Rogers, corresponding secretary; Miss Myra F. Dock, Pittsburg, treasurer; Mrs. Thos. H. Brown, Milwaukee, Mrs. C. H. Millspaugh, Chicago, Mrs. Arthur Noble, Santa Monica, Cal., Mrs. A. W. Griffith, Miss Helen A. Whittler, Boston, and Mrs. E. P. Turner, Dallas, Texas, directors.

The morning of October 26 was taken up by papers on "The Appalachian Reservations," by Ernest A. Sterling, of the Forest Service, Washington, D. C., and Dr. J. T. Rothrock, secretary of state forestry reservation commission, of Pennsylvania, read by Graham R. Taylor; "Mosquito Extermination," by Prof. F. L. Washburn, Minneapolis; and the discussion of improvement topics with speeches limited to five minutes each. In the afternoon the delegates were conducted to various points of interest, including the art gallery, the seventh district school, and the city parks. As the guests of the city parks commissioners the association passed resolutions thanking the Milwaukee hosts for their generous hospitality and courteous treatment, especially the Citizens' Business League and its secretary, R. B. Watrous. Minneapolis is said to be very desirous of being the venue of the next meeting.

Cleveland.

THE MARKET.

The warm turn in the weather the past week has increased the cut in all lines and with quantities of chrysanthemums in market other stock has suffered accordingly. Carnations are still in great demand and roses are to be had in quantity, especially white which always drags in chrysanthemum season. American Beauty is coming in fine, but the demand is not strong at this time.

NOTES.

A visit to the establishment of A. Graham & Son found everything in first class shape. Three houses of chrysanthemums that were just coming in give promise of producing fine flowers. Carnations, of which there are several houses, were all looking fine, also a house of poinsettias, which could not be improved upon. This firm may well be proud of its place, as it is up to date in every respect and second to none in this section.

Smith & Fetters have been showing the latest in violet boxes the past week. They are of gilt paper and have violet lettering.

A. M. Coe is cutting some fine early chrysanthemums for the Cleveland Cut Flower Co.

W. A. Calhoun is sending in some fine Gov. Herrick violets to this market.

OHIO.

ELGIN, ILL.—Business has been good here the past season and the florists have shared in the general prosperity. All the florists have been rebuilding and repairing and they are all looking for good fall and winter seasons.

CHOICE NORTHERN GROWN
2 years in field, fine for forcing.
CRIMSON RAMBLERS,
4 to 7 ft., $10.00 per 100.
Strong No. 2's, $6.00 per 100.
C. M. NIUFFER, Springfield, Ohio.
Please mention the American Florist when writing.

NURSERY STOCK
All kinds of Hardy Nursery Stock.
Ask for prices.
KLEHM'S NURSERIES,
ARLINGTON HEIGHTS, ILL.

Specimen Nursery Stock.
Deciduous Trees and Shrubs, Evergreens, Rhododendrons, Azaleas.
Over one hundred (100) acres of the choicest varieties. Send for price list.
COTTAGE GARDENS COMPANY,
Queens, Long Island, New York.

Climbing Clothilde Soupert, Marie Pavic, Crimson Rambler and Dorothy Perkins
ROSES
Grafted Oranges and Kin Kans. Palms, Biota Aurea Nana, Conifers and other stock for Florists and Nurserymen,
IN IMMENSE QUANTITIES.
400 acres in Nurseries. 60,000 feet of glass. Catalog on application.
P. J. BERCKMANS CO. (Inc.) Fruitland Nurseries
Established 1856. AUGUSTA, GA.

PEONIES.

From our large and select stock, such as the following varieties:

Prince Charles.	Philomile.
Mons. Boquil.	Lord Salisbury.
Leonie.	Festiva.
Duchess of Sutherland.	Hypatia.
Rosea maxima.	Mons. Rousselon.
Mme. Furtado.	Mme. Moreau.

and many other good varieties all true to name. Strong 1 year old.....$1.50 per doz.; $10.00 per 100
" 2 " " ..... 2 00 " 15 00 per 100

Iris Germanica, Mme. Chereau, Gracchus, Florentine, Socrates, Duchess de Nemours, Dr. Bernice and 20 other good sorts. $2 50 per 100; $22.50 per 1000.

Hemerocallis (Day Lilies), in 10 varieties, to clear, $3.75 per 100; $30.00 per 1000.

The Undermentioned are Strongly Recommended for Cut Work.

Delphinium Belladonna, distinct, continuous bloomer, lovely sky-blue, 1 year old plants, $6 25 per 100; $57.50 per 1000. 3 year old clumps, $8.75 per 100; $75.00 per 1000.

Chrysanthemum maximum King Edward, the finest and largest hardy White Marguerite, four F. C. C's and A. M., R. H. S., strong from ground, $8.75 per 100.

Lathyrus latifolius White Pearl, true from cuttings, flowers double the size of the old white variety, A. M., R. H. S., strong from ground, $16.25 per 100. Seedlings, not guaranteed, $12.50 per 100.

Buyers of **Begonias, Dahlias** and **Cannas** should see our catalogue and write for prices. Special terms for quantities.

THOMAS S. WARE, Ltd., FELTHAM, ENGLAND.
Formerly of Tottenham.

Please mention the American Florist when writing

D. and C. Roses Are the cheapest because they are the best. We have in stock over 1,000 varieties on own roots including all the New European and American varieties of merit, as well as all the old varieties. All sizes from 2½-inch pots up. We can also offer 40 of the leading and newest varieties of Cannas including Mont Blanc, also miscellaneous lists of Plants and Shrubbery, at prices that will make it worth your while to send us your lists for quotations before buying elsewhere. Send for a copy of Our New Guide to Rose Culture, for 1906, a handsome book of 116 pages. Free for the asking.

The DINGEE & CONARD CO., West Grove, Pa.
Established 1850. 70 Greenhouses.

Please mention the American Florist when writing

Special offer of PEONIES

For September

Florists' assortment of six choice proved kinds, **named,** including Queen Victoria and Delicatissima, all colors from white to crimson, for $8.00 per 100, $75.00 per 1000. Packed free.
Write for catalogue.

F. A. BALLER, Bloomington, Ill.

Please mention the American Florist when writing

PEONIES.

Queen Victoria (Whitleyii), per 100....$ 9.00
Festiva Maxima, per 100..... 30.00
Fragrans, "Late Rose".....per 100, 6.00
Large stock of M. L. Rhubarb and Lucretia Dewberry Plants.
For 1000 rates and other varieties, write

GILBERT H. WILD, Sarcoxie, Mo.

Please mention the American Florist when writing.

——NOW IS THE TIME TO PLANT——

Herbaceous Perennials

We have a very large stock of **Phlox, Iris, Pinks, etc.**

Send for Price List.

VICK & HILL CO., P. O. box 613, ROCHESTER, N. Y.

Jacs Smits, Ltd. NAARDEN, (Holland.

GROWERS OF
Rhododendrons, Axaleas, pot grown Shrubs for forcing, Lily of the Valley, Spiræa, Paeonias, Roses, Climbing Plants, good varieties of Conifers and all ornamental stock.

Personal Inspection Cordially Invited.
R. R. Depot, NAARDEN-BUSSUM, near Amsterdam.
Price list free on demand.

FALL SPECIALTIES.

DRACAENA INDIVISA. Field-grown, 5-inch pot size $15.00 per 100; 6 inch pot size, $25.00 per 100.

PEONY. Dorchester, 3 to 6 eye divisions, latest and best paying clear pink, about shade of Daybreak carnation, $25.00 per 100.

PEONY. Queen Victoria, best cut flower, white, 3 to 6 eye divisions, $10.00 per 100; $90.00 per 1000.

BOUGAINVILLEA GLABRA SANDERIANA. Beautiful plants, bushy and nicely rounded, 4-inch pot plants, $20.00 per 100.

HYBRID ROSES. Extra size Magna Charta, best possible condition for winter forcing in pots, strong 2-year field-grown, $12.00 per 100.

ROMAN HYACINTHS. 12 to 15, $2.20 per 100

NARCISSUS VON SION, $1 00 per 100.

NARCISSUS TRUMPET MAJOR, 75c per 100.

NARCISSUS INCOMPARABLE, 80c per 100.

Write for prices on large lots.

Send for Catalogue No. 5 for full list of Bulbs, Seeds and Plants.

THE STORRS & HARRISON CO.
PAINESVILLE, - OHIO.

Please mention the American Florist when writing

HIBISCUS SYRIACUS MEEHANII

WE now offer to the trade our new hardy variegated leaf Hibiscus Syriacus Meehanii. This plant attracted much attention when exhibited at the American Nurserymen's Convention at West Baden, Ind., and American Florists' Exhibition at Asheville, N. C. Foliage beautifully variegated; never sun-scalds or reverts to the green; flowers single, very large, satiny lavender; blooms during four months; prices on application. Orders booked now.

P. J. BERCKMANS CO., Inc., Fruitland Nurseries, AUGUSTA, GA.

Please mention the American Florist when writing

SEASONABLE STOCK FOR FLORISTS.

HYDRANGEAS FOR FORCING Otaksa and Thos. Hogg

With 7-12 flowering crowns	$12.00 per 100
With 5-6 flowering crowns	9.00 per 100
With 4 flowering crowns	7.00 per 100

From 6-inch pots and open beds; all out-door grown.

ROSES—Strong, 2-years, field-grown, selected for forcing.

Hybrid Perpetuals	$10.00 and $12.00 per 100
Crimson Rambler	9.00 per 100
Dorothy Perkins	7.00 per 100

And **LADY GAY,** a **new** hardy climbing rose of **exceptional merit;** ready **now,** from 2½-inch pots only. Write for prices.

JACKSON & PERKINS CO., Nurserymen and Florists, Wholesale Only, **Newark,** Wayne County, **New York.**

Please mention the American Florist when writing.

HERBACEOUS PERENNIALS for Autumn Planting. We offer **nine hundred and sixty-seven varieties** of strong, field-grown plants.
Send for Catalog and Trade List.

BAY STATE NURSERIES, North Abington, Mass.

LEEDLE grown **ROSES** are now **BIG**

Floral Company, Springfield, O.
Expert Growers
Send for price list.

H.P.'s H.T.'s.T.'s. R.'s. Cl's. B., etc.
101 best sorts on own roots.

values for the buyer
Send your want list.

Please mention the American Florist when writing.

TREES AND SHRUBS.

We make especially low prices on **Nursery Stock** to Parks, Cemeteries, etc. Wholesale price-list on application. We carry immense quantities of the finest named varieties of

PEONIES.

PETERSON NURSERY 503 W. Peterson Ave. CHICAGO, ILL.

Please mention the American Florist when writing.

Send to THE MOON Company

For Your { **Trees, Shrubs, Vines and Small Fruits.**

Descriptive Illustrated Catalogue Free

THE WM. H. MOON CO., Morrisville, Pa.

Please mention the American Florist when writing.

LARGE TREES.

OAKS and MAPLES.
PINES and HEMLOCKS.
ANDORRA NURSERIES,
Wm. Warner Harper, Prop.
Chestnut Hill, PHILA, PA

The American Florist Company's Directory of Florists, Nurserymen and Seedsmen of the United States and Canada.

(Copyrighted and Title Trade-Mark Registered.)

DIRECTORY REVISION.

We are revising our **Trade Directory** of the **Florists, Nurserymen, Seedsmen,** etc., of the United States and Canada, and as there have been many changes in firm names and considerable extension of the area under glass, nursery grounds, etc., you would greatly oblige by filling out this sheet.

When was business established?.....

Whom did you succeed?.....

Are you a Florist?.....

Grower?.....*Retailer?*.....

*How many square feet under glass?**.....

Are you a Nurseryman?.....

Wholesale?.....*Retail?*.....

How many acres operated?.....

Are you a Seedsman?.....

Dealer?.....*Grower?*.....

What are your specialties?.....

.....

Firm name.....

Proprietor's name.....

Manager's name.....

Street.....

Postoffice.....*State*.....

* ☞ To ascertain the number of feet under glass in a given house, 12x145, multiply the length (145 feet) by the width (12 feet) and you have in that house 1 740 feet under glass, thus.....

145
12
1,740

Horticultural Supply Concerns.

We also list all lines of **Horticultural Supply Concerns,** such as manufacturers of

Greenhouse Building Materials, Boilers, Ventilators, Glass, Insecticides, Pots, Labels, Seed Bags, Fertilizers, Wire Designs, Tinfoil, Vases, Implements, Machinery, Sprayers, Seed Cases, Etc.

The specialties are also listed under these heads in the case of advertisers.

Advertising Rates.

Including Copy of New Edition.

Page (3½x6½ ins.)	$25.00
Half page (3½x3¼ ins)	15.00
One-fourth page (3½x1⅝ ins.)	9.00

If there are any new firms or trade changes in your vicinity, please give the particulars here:

.....

.....

.....

PLEASE FILL IN THESE PARTICULARS AND MAIL THIS SHEET TO

American Florist Company,

Directory Department. **324 Dearborn Street, CHICAGO.**

Palms, Ferns, Etc.

WHOLESALE PRICE LIST.

	In.	Tiers, Ea.	Doz.	100
Asparagus Plumosus	2			$3.00
" "	3			6.00
Asparagus Sprengeri	2			3.00
" "	3			6.00
" "	4		1.50	
" "	5		2.00	

Boston Ferns, 4-in. pots, $1.50 per doz.; 5-in. pots, $3.00 per doz.; 6-in. pots, $4.20 per doz.; 6-in. pots, strong, $6.00 per doz.; 7-in. pots, $9.00 per doz. Larger specimens, $1.50, $2.00 and $3.00 each.

Scottii Ferns, 10-in. pots, $2.00 each.

Assorted Ferns for Dishes.

$3.00 per 100; $25.00 per 1000. We have a large lot to offer in best varieties.

Fern Balls, 7 to 9, Dormant or in leaf. $4.20 per doz.
Cibotium Schiedei, 5-in., $9.00 per doz.; 6-in., $12.00 per doz.; 8-in., $24.00 per doz.
Dracaena Fragrans, 5-inch pots, 50c each; $5.00 per doz. 6-in. pots, 75c each; $9.00 per doz
Dracaena Indivisa. 2-inch pots, $2.50 per 100; 6-inch pots, 20 to 26 inches high, 50c each; $5.00 per doz.; 7-inch pots, 30 to 34 inches high, 75c each; $9.00 per doz.
Maranta Lietzii, 2¼-in., $1.00 per doz.
Pandanus Veitchii, 6-in.....per doz., $12 00
" **Utiles,** 3-in.....per doz., 1.50
" " 4-in.....per doz., 3.00
" " 5-in.....per doz., 5.00
Cocos, for dishes, 2 to 2½ inch, $1.50 and $1.75 per doz.
Cocos Bonetti, large specimens, $40.00 each.

	In.	Each	Doz.
Kentia Belmoreana	3		$ 2.00
" "	6	1.25	15.00
Kentia Forsteriana	6	1.25	15.00
" "	7	2 00	24.00
" "	7	2.50	
" "	7	3.00	

Latania Borbonica, 3-in. $1.50 per doz.; 3½-in., $2.00; 4-in., $3.00; 5-in., $5.00 and 7-in., $12.00 per doz.
Phoenix Canariensis, 2-in.....per doz., 1.00
" " fine bushy plants. 10-in. pots, $3.00 each. Large specimens.
Phoenix Reclinata, 3½-in.....per doz., $2.00
" " 4-in.....per doz., 3.00
" " 6-in., 50c each; per doz., 6.00
" " 7-in., 75c each.
Selaginella Denticulata, 3-in., per doz., $1.00.

The Geo. Wittbold Co.

1657 BUCKINGHAM PLACE. CHICAGO.

Please mention the American Florist when writing.

PRIMROSES.

Obconica Alba and Rosea, $1.50 per 100; $12.00 per 1000.

ASPARAGUS.

	Per 100
Plumosus Nanus, 2¼-in. pots, $18.00 per 1000	$2.00
VINCA VAR., from field	5.00
CANNAS, 5 varieties, field-grown clumps	10 00
PANSY PLANTS, large flowering, $3.00 per 1000;	.50

CASH

JOS. H. CUNNINGHAM, Delaware, O.

Please mention the American Florist when writing.

ASPARAGUS PLUMOSUS

Exceptionally fine stock from 3-in. pots, $5.00 per 100.

ASPARAGUS SPRENGERI, from 3½-in. pots, $6.00 per 100.

Write for price on large lots.

SCHARFF BROS., Van Wert, Ohio.

Please mention the American Florist when writing.

ROSE PLANTS.

Still a few hundred Roses, Bride, Maid, Golden Gate, Ivory, at $1.50 per 100. Cash.

GEO. A. KUHL. Pekin, Ill.

Please mention the American Florist when writing.

LUDVIG MOSBAEK

Onarga, Ill.

SPECIAL:—To October 15, ten per cent off for strictly cash with order for plants in this list, to make room for bedding plants.

	Per 1000	100	Doz.
ASPARAGUS, Plumosus Nanus, from 4½-inch pots		$10.00	$1.35
ASPARAGUS, Plumosus Nanus and **Sprengeri,** from 4-inch pots	$75.00	8.00	1.10
Same from 3-inch pots	45.00	5.00	.65
Same from 2¼-inch pots	22.50	2.50	.35
FERNS, Boston and **Piersoni,** from 10-inch pans.....each, $2.00			20.00
" " " " from 8-inch pans.....each, 1.00			10.00
FERNS, Boston and **Piersoni, Anna Foster** and **Sword,** all pot-grown, 6-inch		40.00	5.00
4-inch	125.00	15.00	2.00
3-inch	75.00	8.00	1.00
2¼-inch	30.00	3.50	.50

I have also a few thousand **Bench-grown Ferns** for 4-5-6-inch pots. Prices on application as long as they last.

FERNS, Pierson Elegantissima. Of this I have a very fine lot from 4-inch pots		30.00	4.00
3-inch pots	125.00	15.00	2.00
2¼-inch pots	70.00	8.00	1.25
		Per 1000	100
PALMS, for growing on; we want to clear them out at a special bargain.			
" **Phoenix Canariensis,** from 4-inch pots			$10.00
SANSEVIERIA, Zeylanica Var., 4-inch to 5-inch, $15 00; 3-inch			8.00

CANNAS, Dormant, 2 to 3 eyes.

		Per 1000	100
Bronze leaved,	**David Harum**	$18.00	$2.00
" "	**Discolor**	12.50	1.50
" "	**Shenandoah**	18.00	2.00
Green leaved, red flowers,	**A. Bouvier**	15 00	1.75
" " " "	**Chas. Henderson**	15.00	1.75
" " " "	**Duke of Marlboro**	18.00	2.00
" " var. "	**Florence Vaughan**		2.00
" " " "	**Queen Charlotte**	18.00	2.00
" " " "	**Souv. d' Anth. Crozy**		2.50
" " pink "	**L. Patry**	15.00	1 75
" " " "	**Mlle. Berat**	15 00	1.75
" " orange flowers,	**Sec. Chabanne**	18.00	2.00
" " orchid var. flowered,	**Allemania**	12 50	1.50
" " " red "	**Pennsylvania**	18.00	2.00

Descriptive list of 35 var. mailed free.

Surplus of Hardy Herbaceous Perennials.

Transplanted and seedlings. List mailed free.

	Per 100	Doz.
Achillea, The Pearl: **Aquilegia,** in var.: **Campanula,** in var.: **Coreopsis; Dianthus** Plumarius: **Foxglove; Forget-me-not; Chrysanthemums,** in 30 var.: **Shasta Daisy; Sweet William,** and many others	$1.00	$0.15
Oriental Poppy, in var.: **Monarda** Didyma, and many others	1.50	.20

List of **FIELD-GROWN PERENNIALS** mailed free.

Will Sell Cheap

50,000 Canna Roots

Mostly Alphonse Bouvier.

Also 10,000 **Boston Ferns** in 4-inch and 5-inch pots, Send for prices.

JOHN WOLF, Ott and Anderson Sts., SAVANNAH, GA.

Chrysanthemum Stock Plants.

500 C. Touset, fine early white.....$7.00 per 100
500 Roi de Italia, fine early yellow.... 5.00 per 100
Will exchange for Boston Market, Wolcott or Lawson carnations, field-grown, at market prices. Send for list of new and choice varieties, 10c to 25c each.

W. A. CHALFANT, Springfield, Mo.

Lawson Carnation Plants FOR SALE.

We have about 1,000 field plants of Lawson in first-class condition. Price, $5 00 per 100.

BASSETT & WASHBURN,

76 Wabash Auenue, CHICAGO.

It is good business policy to mention

The.... AMERICAN FLORIST

When you write to an advertiser

Cold Weather Bargains

SEND YOUR CASH FOR FOLLOWING:

	2¼-in.	3-in.	4-in.
Chinese Primroses	$5.00	$8.00	$12.50
Primula Obconica	5.00	8.00	
Baby Primroses		8.00	
Cyclamen, high grade		8.00	20 00
Poinsettias		8.00	12.50
Special large plants, 6-in., 50c each			
Rex Begonias		8.00	15.00
Blooming Begonias		7.50	

If you need any size of **Ferns,** Bostons Piersoni, Barrowsii, Scottii, Maidenhair, Whitmani, Elegantissima, write for our new November list. Our customers must be satisfied.

We also are ready to sell **'Mum Stock Plants. Cut Flowers** of all kinds.

GEO. A. KUHL, Pekin, Ill.

Highland Grown Carnation Plants

	Per 100	1000		Per 100	1000
Flora Hill	$4.50		Glacier	$3.50	$30 00
Crusader	5.00		White Cloud	3.50	30.00
M. A. Patten	5.00		Har owarden	3 50	30.00
Prosperity	4.00	$35.00	Roosevelt	3.50	30.00
M. Glory	4.00	35.00	Peru	3.50	30.00

CRABB & HUNTER, Ltd., Grand Rapids, Mich.

Please mention the American Florist when writing.

CHRYSANTHEMUMS.

C. Touset and Nonin, the money makers as we have found them, $1.00 per doz.; $7.00 per 100; $60.00 per 1000. Pacific, Estelle, Willowbrook, Halliday, Kalb and L. Harriet, 60c per doz.; $4.00 per 100. Cash with order.

EGGELING FLORAL COMPANY,

1653 S. Grand Avenue, ST. LOUIS, MO.

Please mention the American Florist when writing.

Columbus, O.

FLORISTS' CLUB MEETING.

The Florists' Club has at last decided to move to better quarters. The new room is much better situated, is furnished nicely, and hereafter the club will have the use of a piano, a fact which will be appreciated by all. It is hoped that more cheerful quarters will have a tendency to increase the average attendance, which of late, has been rather discouraging. At the last election of officers, held October 16, the following were elected: Sherman Stephens, president; Mr. Curry, vice president; Jas. McKellar, secretary; Jacob Reichert, treasurer; and Messrs Knopf, Drobisch, Bruce, Bauman and Woodroe, trustees; John Williams, sergeant-at-arms.

John Hellenthal has a large, new, strictly modern house on his place and is producing some of the finest carnations in the city. His Lawson is especially good and is attracting some attention in local circles.

Geo. Bauman, who took first prize for asters at the state fair, also ranks first as a reliable fern man. He is bringing in some fine stock from his southern fields, which, he claims, are practically inexhaustible. CARL.

Fall River, Mass.

MILL PREMISES BEAUTIFIED.

A revival of interest in the plans for beautifying mill and factory premises in this section of the country is apparent. Through the Blackstone valley for instance many of the manufacturing corporations have engaged landscape gardeners to grade the grounds surrounding their factories, and lay out shrubberies, lawns and flower beds. At Marshall Bros.' hat factory the work has been going on for 10 or 12 years, a gardener being constantly employed, and the massed shrubberies and rich looking hedges around the grounds make them very attractive.

The King Philip mills commenced similar operations last year, the Tupelow Hill nurseries, Meshanticut, R. I., manager E. R. Robbins, being entrusted with the work. Elliptical and other curvilinear flower beds form part of this scheme. Very interesting will be the beautifying of the old mill pond at the Granite mills, Twelfth street. The rough stone borders will be planted with honeysuckle and other vine-like flowering plants and a series of flower beds in star formation will be laid out. Vine planting against the walls is frequent, and the effect of the fruit and foliage in autumn is very striking.

LOWELL, MASS.—Adolph E. E. Koch, for some time with C. J. Riley & Co., has severed his connection with that firm.

GOOD FERNS CHEAP.

	Per 100
BOSTONS, strong runners	$ 2.00
ELEGANTISSIMA, strong, 2½-in	5.00
PIERSONI, from 6-in pots	40.00
from 7-in. pots	60.00
SCOTTII, from 5-in. pots	25.00
from 6-in. pots	40.00
from 7-in. pots	60.00
WHITMANI, strong young plants, from bench	10.00

DAVIS BROS., Morrison, Ill.

HOME AGAIN FROM EUROPE.

ROOM WANTED to place the big importation of plants I bought in Belgium and Holland. Prices greatly reduced, for a short time only. Buy now while the weather is warm enough for shipping, and while prices are low.

ONE OF THE LARGEST IMPORTERS OF ARAUCARIAS

These sizes were taken 2 months ago and plants are now much larger, but no advance in price.

ARAUCARIA EXCELSA

12 to 14-in., 5½-in. pots, 8 to 4 tiers, 2 years old, 50c; 14 to 16-in., 5½-in. pots, 3 to 4 tiers, 2 years old, 60c; 16 to 18-in., 5½ to 6-in. pots, 4 to 5 tiers, 3 years old, 75c; 18 to 20-in., 6-in. pots, 5 to 6 tiers 4 years old, $1.00; 20 to 24-in. 6 to 7-in. pots, 5 to 6 tiers, 4 years old, $1.25; 36, 40 to 50-in., 7-in. pots, specimen plants, from $2.50 to $3.00 each.

ARAUCARIA COMPACTA ROBUSTA—have several thousand of them: can supply all wants. These plants were never so fine in shape and condition as this year. The pet of the greenhouse: as broad as long: 20 to 25 in. in height 3 to 4 perfect tiers, 20 to 25 in. across. 3-4-5 years old, 6 to 7 in. pots, $1.25, $1.50, $1.75, $2.00, $2.50 to $3.00 each.

ARAUCARIA EXCELSA GLAUCA—this variety on account of its beautiful green-bluish tiers, dwarf habit, fine compact shape gives it a striking appearance, and anybody seeing the plants must undoubtedly fall in love with them at sight. Plants, 6 to 7-in. pots, 3, 4 and 5 perfect tiers, 3 to 4 years old 20 to 30 in. high, from 20 to 30 in. across, $1.25, $1.50, $1.75 $2.00 to $2.50 each.

KENTIA FORSTERIANA, 7-in. pots, made-up plants, 1 large in center 3 smaller sizes. 22 to 25 in. high around, gives them a good appearance, $2.00 each; 6-in pots, single plants, 35 to 40 in. high, 5 to 6 good leaves 4 years old, $1.25 to $1.50 each; 6-in. pots, 30 to 35 in. high, 4 years old, 5 good leaves $1.00; 5½-in. pots, 3 years old, 25 to 30 in. high, 5 good leaves, 75c. Made-up plants, 3 and 4 in. pots, 18 to 20 in. high, 25c to 30c each.

ARECA LUTESCENS, 5-in. pots, 24 in. high, made-up with 3 plants, 35c; 4-in. pots, 20 to 24 in high, made-up with 3 plants, 25c.

ARECA SAPIDA, just imported from Belgium, something new, very attractive, looks like Kentia, 25 in. high, $1.00.

COCOS WEDDELLIANA, 15c.

ASPARAGUS PLUMOSUS NANUS, 4-in. pots, large, bushy, 10c to 12c.

OUR LITTLE PETS.

ASPARAGUS SPRENGERI, 4-in. pots. 10c.

FICUS ELASTICA, 6-in., 50c.

FERNS, all raised in pots and not on benches as follows:

NEPHROLEPIS BARROWSII, 7 in. pots, as big as a bushel basket, 75c to $1.00 each; 6-in. pots, large, ready for 7-in., 50c; 5½-in., 40c; 5-in., 35c; 4-in., 25c.

NEPHROLEPIS SCOTTII, 8-in., as big as a wash-tub, worth $2.00, now $1.25; 7-in., as big as a bushel basket, worth $1.25, now 75c; 6-in., 50c; 5½-in., 40c; 4-in., 20c.

NEPROLEPIS ELEGANTISSIMA, 5-in. pots, 30c.

BOSTON FERNS, 7-in., very bushy, only 75c; 6-in., 50c or $5.00 per doz.; 5-in., 30c to 35c; 4-in., 20c.

FERNS—A fine assortment of Ferns for dishes, large, bushy, out of 2½-inch pots, $5.00 per 100; 3-inch, 6c each.

JERUSALEM CHERRIES, (or Solanum), 6-in. pots very bushy, full of berries, from $3.00 to $6.00 per doz.

DRACAENA BRUANTI, (imported), 30 in. high, 6-in. pots, 50c, $5.00 per doz.

CYCLAMEN, will bloom for Christmas, 5-in. pots, 20c; 4-in., 12c.

PRIMULA OBCONICA, best strain, 4-in. pots, 10c.

CHINESE PRIMROSES, in 4-in. pots, ready to shift into 5-in. pots, will bloom for Christmas, $8.00 per 100.

HYDRANGEA OTAKSA, only pot-grown is offered, sure success for Easter forcing, 6-in. pots, 25c; 7 to 8-in., 50c.

AZALEA INDICA, just arrived, selected by myself on my recent trip to Belgium. Have all leading varieties such as Deutsche Perle, Simon Mardner and Vervæneana. These three sorts are good for Christmas forcing. Later varieties: Empress of India, Oroff, Wolters, Niobe, Bernard, Andreas Alba, Mme. Van der Cruyssen and many others, prices as follows: 35c, 40c, 50c, 60c, 75c, $1.00, $1.25 to $1.50 each.

BEGONIA GLOIRE DE LORRAINE, 6-in-pots, 50c; 3-in., 20c.

BEGONIA FLAMBEAU, sells on sight, 4-in., ready for a shift into 6-in., 20c.

BEGONIA ERFORDII. New Improved, blooms all winter through, 4-in., 15c.

—CASH WITH ORDER.—

When ordering, say whether the plants should be shipped in the pots or not.

GODFREY ASCHMANN,

IMPORTER AND WHOLESALE GROWER OF POT PLANTS.

1012 Ontario Street, - - PHILADELPHIA, PA.

Please mention the American Florist when writing.

Inquiries That Pay Dividends.

AMERICAN FLORIST CO.:—Enclosed please find copy for ad., which you will please continue until advised to the contrary. We are more than gratified at the inquiries and ordres received, and can not afford to discontinue even though we were inclined to do so.

IONIA, MICH., Sept. 15, 1906. **Ionia Pottery Co.**

PETUNIA

Double—Seafoam, white: Intensity, crimson and white variety: Pink Beauty, best pink: extra fine, 2¼-in., $2.50 per 100.

Asparagus Sprengeri

Large field clumps for 4-in. and 5 in. pots, $6.00 per 100.

SMILAX—Strong field clumps, $5.00 per 100.

Ageratum, Stella Gurney, strong, 2¼-in., $2.00 per 100.

NATHAN SMITH & SON, Adrian, Mich.

Please mention the American Florist when writing

PANSIES.

Brown's Extra Select Superb Giant Prize Pansies.

Awarded silver medal St. Louis Exposition, 1904.

Plants, mixed colors, in any quantity, $3.00 per 1000. Cash with order.

PETER BROWN,
LANCASTER, PA.

Please mention the American Florist when writing

WANTED.

3,000 Double Violets per week

Home grown, within a night's ride from Chicago. State price. Address

Key 822, care American Florist.

Please mention the American Florist when writing.

PANSIES DAISIES

Best Giants, mixed. Snowball and Longfellow. $2.50 per 1000. 2000 for $4.50.

Primula Obc. Grandif., Alba, Rosea, 2-in., make fine stock for Easter, $1.50 per 100, Cash.

SPIPPENSBURG FLORAL CO., Shippensburg, Pa.

Please mention the American Florist when writing.

Muskogee Carnation Co.

Get your flowers cut fresh from greenhouse.

AMERICAN BEAUTY, BRIDE, MAID, RICHMOND and CARNATIONS.

All fancy varieties; also surplus stock of **Bride** and **Maid,** 4-inch pots. Fine plants.

MUSKOGEE, IND. TER.

Please mention the American Florist when writing.

CHRYSANTHEMUMS

AND STOCK PLANTS.

	Per doz.		Per doz.
Rosiere, pink	$1.50	Omega	0 75
Emereter, "	1.00	C. Touset	1.00
Monrovia	.75	Bergman	.75
Merstham yellow	1.00	Willowbrook	.75

ELI CROSS, Grand Rapids, Mich.

LARGEST STOCK OF ALL

Belgian Plants.

AZALEAS, ARAUCARIAS, SWEET BAYS, PALMS, BEGONIAS, GLOXINIAS, ETC.

Louis Van Houtte Pere,
GHENT, BELGIUM.

Please mention the American Florist when writing

The Regan Printing House

LARGE RUNS OF

CATALOGUES —OUR— SPECIALTY

WRITE FOR FIGURES.

83-91 Plymouth Place, CHICAGO.

PALMS, FERNS and DECORATIVE PLANTS

ARAUCARIA EXCELSA.

(Norfolk Island Pine.)

We have a large quantity of these popular Christmas plants. All are perfect, well shaped plants, and will give good satisfaction.

Size pot.	Height	Whorls	Each	Doz.
6-in.	18 in.	4	$1.25	$15.00
7-in.	22 in.	5	1.50	18.00

ARAUCARIA EXCELSA GLAUCA.

Size pot.	Height	Whorls	Each	Doz.
5 in.	12 in.	3	$1.00	$12 00
6-in.	13 to 15 in.	3 to 4	1.25	15.00
7-in.	18 to 20 in.	4 to 5	1.50	18.00
7-in.	22 to 24 in.	4 to 5	2.00	24.00
9-in., fine specimens	30 in.	4 to 5	3.00	....
9-in., fine specimens	34 in.	5	4.00	....

ARAUCARIA ROBUSTA COMPACTA.

Size pot.	Height	Whorls	Each	Doz
5-in.	10 in.	2	$1 00	$12.00
6-in.	12 in.	3	1.50	18.00
7-in., fine specimens	28 in.	5	3.00	....
8-in., fine specimens	32 in.	5 to 6	4.00	....

ASPARAGUS PLUMOSUS NANUS.

We Are Headquarters.

	Per 100	Per 1000
2-in pots, strong, ready for a shift	$3.00	$25.00
2½-in. pots, strong, ready for a shift	4.00	40.00
3-in. pots, strong, ready for a shift	7.00	65.00
Strong Seedings	1.50	12.00

BOSTON FERNS.

Nephrolepis Exaltata Bostoniensis.

We have the finest stock in the west. All our plants are pot-grown, bushy stock, well furnished with fronds from the pot up, and cannot be compared with the cheap long-drawn-up lifted stock from the bench. A sample shipment will convince you of our superior stock. Stock ready now.

	Each	Per doz.	Per 100
2½-in pot plants		$ 0.60	$ 5.00
3-in. pot plants		1.50	10.00
4-in. pot plants		2.50	20.00
5-in. pot plants	$ .50	5.00	40.00
6-in. pans plants	.75	8.00	60.00
7-in pans plants	1.00	10.00	75.00
8-in. pans plants	1.00	15.00	.....
9-in. pans plants	$2.00 to $2 50	.....	.....
10-in pans plants	3.00 to 3.50	.....	.....
12-in. pans plants	4.00 to 5.00	.....	.....

ASSORTED FERNS FOR FERN DISHES.

We have a very large stock of all the best Pteris Ferns, 2¼-in. pots, strong and bushy assorted, per 100, $3.00; per 1000, $25.00.

CELESTIAL OR XMAS PEPPERS.

One of the very best of Christmas plants.

	Per doz.	Per 100
Strong plants, 4 in. pots	$1.25	$10 00
Strong plants, 5-in. pots	2.00	15.00

FICUS ELASTICA. (Rubber Plant).

5-inch pots, 12 to 14 in. high.....$5.00 per doz.; $40.00 per 100

RICHMOND ROSES.

3-in. pots strong	8.00 per 100;	75.00 per 1000
4-in. pots strong	12.00 per 100;	100.00 per 1000
KILLARNEY, strong.		
Strong, 3-in. stock	$ 8.00 per 100;	$ 75.00 per 1000
4-in.	12.00 per 100;	100.00 per 1000

PAEONIES FOR OCTOBER PLANTING. We have the best kinds of our own growing, all true to name. Send for complete list.

PERENNIALS FOR FALL PLANTING. Our stock is large and consists of all the best sorts. Send for special list.

VAUGHAN'S SEED STORE,

84-86 Randolph St., CHICAGO. 14 Barclay St., NEW YORK.

Greenhouses and Nurseries: Western Springs, Ill.

Le Journal des Roses.

Organ of the French Rosarians.

Published at Paris. Once a month with colored plates.

Subscription $2.70 per Year. Sample Copies Free.

ADMINISTRATION DU SUISNES **JOURNAL DES ROSES**
a SUISNES, Brie
a Grisy-Suisnes (Seine et M FRANCE

DAHLIAS.

Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring

DAVID HERBERT & SON,
Successors to L. K. Peacock, Inc., ATCO, N. J.

Queen Beatrice Rose.

Four to one shot. Four times as many flowers as Maid.

F. H. KRAMER, 918 F St., WASHINGTON, D. C.

Please mention the American Florist when writing.

ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the

"Horticultural Advertiser"

This is the British Trade Paper, being read weekly by all the Horticultural traders; it is also taken by over 1000 of the best continental houses. Annual subscription to cover cost of postage 75c; Money orders payable at Lowdham, Notts.

Address **Editors of "H. A."**
Chilwell Nurseries, LOWDHAM, Notts, England

Fredericton, N. B.

TRADE GOOD.

Trade this year has been better than ever before, and there is every probability that not only here, but all over New Brunswick, and the maritime provinces, a busy and prosperous time is at hand. The fall so far has been very open, though everything in the way of flowers outside were cut off on the night of October 12. Previous to this, trade in the better grade of cut flowers had been rather dull, but now that the only source of supply is the greenhouses, good prices are the rule.

NOTES.

The Scotchmen had a big day when the Robert Burns memorial monument was unveiled. This had been subscribed for by the various Scotch societies, $6,000 being the amount expended on it. The decorations at the dinner held at the Queen's hotel were well carried out by John Bebbington & Sons, who also supplied the handsome bouquet presented to the lady who performed the ceremony of unveiling the monument. The ceremony was an imposing one, the piper in uniform belonging to the St. Andrew's Society, and other Scotch clans adding greatly to the general effect. Visitors to the town on the occasion included Adam Shand, of Coldbrook, N. B., and his foreman; Homar Cruikshank of Lancaster Heights, St. John, N. B., and his son, all of whom took part as pipers in the above noted event.

John Bebbington & Son have built a new house for lettuce, also a root cellar to be used principally for celery. Lilium lancifolium and L. lancifolium album, roses, chrysanthemums, and carnations are among the flowers now being cut at this place, these and all other stock looking remarkably well.

NEW YORK.—A large new greenhouse will be built adjoining the others in Central park, at One Hundred and Fifth street.

PALMYRA, N. J.—F. R. Matsinger says he has found summer business better than usual. He has cut more asters from fewer plants than for the past five years put together. His plant is in first class condition, repair work having taken considerable time.

DON'T SAY THERE IS NO MONEY IN

CHRYSANTHEMUMS

until you have tried **Clementine Touset.** the finest, largest, earliest white to date; every florist in the country should grow a batch, or a bench, or a houseful of this fine 'mum next year. I have the largest and best stock in the country and will sell you stock plants, fine large clumps full of runners at

15c each: **$1.50** per dozen;
$12.00 per 100.

Hurry up and order at once; even this stock will not last long when florists find out how valuable a variety this is. **Moneymaker,** the early white English variety, and **Jeanne Nonin,** the late white French variety, will go at the same price as long as stock lasts. Now is the time and chance to make money.

Other varieties at 10c each; $1.00 per doz.; $6.00 per 100; such as Monrovia, white and pink Pacific, white and yellow Bonnaffon, white and yellow Eaton, Mrs. Weeks, Viviand-Morel, J. K. Shaw, Alice Byron, Dr. Galloway, Ben Wells, Dr. Enguehard, Col. Appleton, Yanoma, Chadwick, etc. Cash with order.

GUNNAR TEILMANN, Marion, Ind.

GERANIUMS 2½in. Pots, Ready for Immediate Delivery

Alliance, Lemoine 1905, Hybrid, Ivy and Zonal, semi-double, lilac white, upper petals feathered and blotched crimson maroon, 25c each; $2.00 per doz.

Fleuve Blanc, the semi-double Bruant that promises to become the standard white, flowers and foliage equal to Alph. Riccard, $1.50 per doz.; $10.00 per 100.

Double Dryden, $1.00 per doz.; $5.00 per 100.

Cactus Geraniums, four varieties, petals curled and twisted similar to the Cactus Dahlia, $2.00 per doz.; $15.00 per 100.

S. A. Nutt, La Pilote, Beaute Poitevine, Mme. Barney, Centaur, Miss Kendall, Mme. Jaulin, Jean Viaud, Mme. Charotte, 40c per doz.; $2.00 per 100; $18.00 per 100.

Ville Poitiers, Marquise de Castellane, Berthe de Persilly, M. Jolly de Bammeville, Thos. Meehan, 50c per doz.; $3.00 per 100; $25.00 per 1000.

Send for Geranium Catalogue. Let us figure on your future supply.

	Per 100	1000
Alternanthera, red and yellow	$2.00	15.00
Hardy English Ivy	2.00	15.00
Smilax	2.00	15.00

A cordial invitation is extended to all interested in horticulture to visit us. Cowenton station, Philadelphia division, B. & O. R. R., 12 miles north of Baltimore.

R. VINCENT, JR. & SON, White Marsh, Md.

Please mention the American Florist when writing.

Directory of Gardeners

—AND—

Estates Employing Gardeners

—IN THE—

UNITED STATES and CANADA.

Price $5, Cash With Order.

AMERICAN FLORIST CO. 324 DEARBORN ST., ...CHICAGO.

BEST ENGRAVINGS and ILLUSTRATIONS

—Of Every Description—

FOR CATALOGUES.

SEE OUR WORK IN THIS PAPER. SEND FOR ESTIMATES.

GLOBE ENGRAVING and ELECTROTYPE CO.

407-427 Dearborn St., CHICAGO.

BERTHA RATH

CARNATION.

FERNS, PALMS,

ARAUCARIA EXCEL.,

ASPIDISTRA,

Green and Variegated.

BAY TREES and PRIVET,

Fine, Strong Stock.

R. DREYER, WOODSIDE, L. I., N. Y.

SPECIALTIES.

ROSES, from 3-inch pots. CHRYSANTHEMUMS.
CARNATIONS, for fall delivery. SMILAX. VIOLETS.

IN BEST VARIETIES.

Prices low. Send for list.

WOOD BROTHERS, Fishkill, N. Y.

GOV. HERRICK THE COMING VIOLET

One that produces three times as many flowers as any violet ever offered for sale. It will please you. Order at once. Prices: $2.00 per doz.; $10.00 per 100; $75.00 per 1000; 5,000 or more at $60.00 per 1000. Send for description today.

H. R. CARLTON, Willoughby, O.

INTRODUCER and ORIGINATOR.

MABELLE, New Pink Carnation for 1907.

Color—A peculiar shade of lovely pink, with a faint yellowish cast; several shades lighter than the Lawson. Unlike most pinks, the brightest sun does not injure the color. Size—3 to 4 inches in diameter when established. Odor—Pleasing, but not strong. Stems—Invariably strong, but always graceful, ranging from 12 to 30 inches during the season. Habit, etc.—A very quick, active grower, making specimen plants in a short time, even from late cuttings. On account of its rapid growth, requires supporting very soon after benching. Gets away rapidly, blooms early and gives long stems right from the start. Productiveness—Prodigious is the best word we know of to use here. It is the most incessant bloomer, early and late, we have ever grown. Stock limited. Delivery January 5 to 10 and later. Price, $12.00 per 100, $100.00 per 1000.

THE H. WEBER & SONS CO., Oakland, Md.

Please mention the American Florist when writing.

Now is the Time

to Subscribe to the

Horticultural Trade Journal

Published weekly. The Largest Brightest, and Best British Trade Publication. Also

THE INTERNATIONAL EDITION

Published quarterly. Annual subscription for weekly and quarterly numbers, One dollar, (International money order). Subscribe to-day and keep in touch with European markets and topics.

THE HORTICULTURAL PRINTING COMPANY, BURNLEY, ENGLAND.

MAKE MONEY

(There's Plenty of it in the Country.)

This Fall and Winter

BY ADVERTISING IN THE

Autumn Number

— OF —

The American Florist.

To Be Issued November 10.

NO FICTITIOUS INQUIRIES. NO WASTEFUL CORRESPONDENCE.

BEST SERVICE—RIGHT RATES.

ADVERTISEMENTS in body pages will be taken at our ordinary rates, namely, $1.00 per inch, $30.00 per page of thirty inches, with the usual discounts on time contracts. On regular front pages and regular back page the price is $30.00 per page on yearly contract.

THE BUYERS READ THAT PAPER WHICH IS BEST WORTH READING.

WHAT OUR PATRONS SAY:

INQUIRIES THAT PAY DIVIDENDS.

AMERICAN FLORIST COMPANY:— Ionia, Mich., September 15, 1906.

Enclosed please find copy for ad., which you will please continue until advised to the contrary. We are more than gratified at the inquiries and orders received, and can not afford to discontinue even though we were inclined to do so.

IONIA POTTERY COMPAMY.

SAVES BUYERS' MONEY.

AMERICAN FLORIST COMPANY:— Fort Smith, Ark., September 22, 1906.

We look forward to the coming of your paper the same as a meal and we save a good deal of money ordering from the advertisements contained therein.

OWEN & HANESWORTH.

The announcement of every regular advertiser appears in Ready Reference Advertising Department.

American Florist Co.,

324 Dearborn Street,

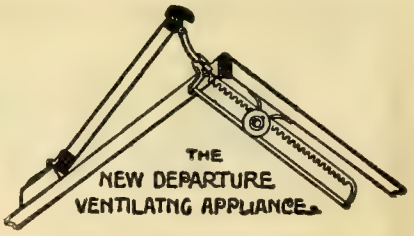
CHICAGO.

PLEASE MAIL YOUR ADVERTISEMENT NOW.

"THE PAPER WE READ AND BUY FROM."

Index to Advertisers.

Adv rates.....682
Advance Co The.... V
Allen J K 695
Amling E C.....690
Andorra Nurseries...701
Aschmann Godfrey..704
Atlanta Floral Co...697
Baller F A.....699 701
Barrows Henry & Son693
Barteldes Seed Co ..IV
Bassett & Washburn. 691 703
Baumann L & Co....717
Bay State Nurseries.701
Beaven E A.....688
Beckert W C.....IV
Benthey-Coatsworth Co.....690
Berckmans P J Co. 700 701
Berning H G.. ... 693
Bertermann Bros Co.696
Boddington A T IV
Braslan Seed Co.....698
Breitmeyer's J Sons 696
Brown Peter.....705
Budlong J A.....684
Burpee W A & Co...IV
Byer Bros.....697
Caldwell the Woodsman Co.....688
Carlton H R.....706
Carmody J D.....708
Chalfant W A.....703
ChicagoCarnationCo I
Chicago House Wrecking Co.....717
Clark Wm.....688
Cleveland Cut Flo Co697
ClipperLawnMower Co.....716
Coles W. W.....697
Connell Benj.....688
Cooke Geo H.....696
Cotsonas Geo & Co..695
Cottage gardens.....700
Cowee W J.....708
Crabb & Hunter. ...703
Craig Robert Co.....693
Cross Eli.....705
Cunningham Jos H..703
Daniels & Fisher....696
Davis Bros.....704
Deamud J B Co.....691
DetroitFloPotMfv...716
Dietsch A Co.....718
Diller Caskey & Co..708
Dillon J L.....688
Dingee&ConardCo..701
Donohoe W H.....696
Dorner F & Sons Co I
Dreer H A.....689 717
Dreyer R.....706
Dunford J W.....697
Edwards Fold'g Box.716
Eggeling Floral Co..703
Elliott Wm H 693
Emmans Geo M.....697
Eyers H G.....697
Fellouris A J 695
Fischer R.....697
Florists'HailAs'n....708
Flower Growers Co..690
Foley Mfg Co.....718
Ford Bros.....695
For Sale and Rent...683
Froment H E 695
Garland Geo M..... V
Garnsey M V.....718
Giblin & Co..... VI
Globe Eng Co.....706
Gude A & Bro.....696
Gullett W H & Sons.697
Gundestrup K & Co .IV
Gurney Heater Co... VI
Guttman Alex J.....695
Haines John E.....III
Hansen M A 696
Hartman Hjalmar...IV
Hauswirth P J.....696
Heller & Co.....IV
Henshaw A M.....695
Herbert D & Son....705
Herr Albert M.....697
Herrmann A.....718
Hess & Swoboda....696
Hews A H & Co.....716
Hilfinger Bros.....716
Hill The E G Co.... I
Hippard E..... V
Hitchings & Co. VI
Holm & Olson.....696
Holton& Hunkel Co.693
Hooker H M Co.....717
Hort Advertiser 705
Hort Trade Journal..706
Hunt E H 690
Ideal Concrete Mch Co.....718
Igoe Bros.....718
Ionia Pottery Co 716
Isbell S M & Co 698
Jackson&PerkinsCo.701
Janesville Floral Co.688
Jensen & Dekema...690
Johnston Heating Co717
Journal Des Roses...705
Kaempfer Fred.....717
Kasting W F..... I
Keller Geo & Son...716
Keller J B & Sons...697
Keller Pottery Co...716
Kellogg Geo M..... 696
Kennicott Bros Co..690
Kervan Co The.....695
Kessler P.....695
KingConstructionCo V
Klehmes Nursey....700
Kobankie Martin.....697
Kohr A F 716
Koppelman EL & Co708
Kramer F H.....705
Kramer I N & Son..718
Kroeschell Bros Co. 717
Kuehn C A.....693
Kuhl Geo A.....703
Lager & Hurrell.....695
Lange A.....696
Langjahr A H.....695
Lecakes N & Co.....695
Leedle Floral Co....701
Livingston Seed Co. 696 716
LocklandLumb'rCo. V
Lord & BurnhamCo. VI
Matthews Florist...697
McCullough's J M Sons Co.....693
McKellar Chas W...691
McKissick W E.....693
Mayberry & Hoover 696
Metropolitan Mat Co V
Mich Cut Flower Ex.688
Miller Theo.....697
Mills the Florist.....696
Moninger J C Co.... V
Moon The Wm HCo.701
Moore Hentz&Nash.695
Morehead Mfg Co...718
Morse C C & Co.....IV
Mosbaek L.....703
Murdoch J B & Co ..693
Murray Samuel.....696
Muskogie Carnation Co.....705
Myers & Co..... 708
Natl FloBd ofTrade.697
N Y Cut Flower Ex .695
Nicotine Mfg Co.....715
Niessen Leo Co 693
Niuffer C M.....700
Northern Mich Evg Nursery.....688
Olbertz J.....693
Pacific Seed Co.....699
Paducah Pottery 716
Palethorpe P R Co..716
Palmer W J & Son..696
Park Floral Co.....696
Pennock Meehan Co692
Perennial GardensCoIV
Perfection Chem Co.718
Peterson's Nursery. 701
Pierson F R Co....I 699
Pierson U Bar Co.... V
PittsburgCut Flo Co. 687 693
Pittsburg Florist Ex .693
Poehlmann Bros Co. 685 690
Pollworth C C Co....696
PulverizedManureCo715
Quaker City Machine Works..... V
Randall A L Co.....697
Raynor J I 695
Rawson W W & Co.. IV
ReadyRefer'nceAdv.709
Regan Print House..705
Reinberg Peter..... .....689 690
Reynolds G F.....705
Rice Bros.....688
Rice James H Co....717
Robinson H M & Co.688
Roehrs Julius Co.....697
Sander & Son 695
Scharff Bros.....703
Scheepers John & Co699
Scherer John P.....695
Schil o Adam.....708
Schultheis Anton....686
Schulz Jacob 697
Seligman Jno.....695
SharpPartridge&Co.718
Sheridan W F.....695
Shippensburg FloCo.705
Siebrecht & Son.....695
Sinner Bros. 690
Situations & Wants..683
Skidelsky S S..... II
Smith Nathan & Son.705
Smith W & T Co.... I
Smits Jacs.....701
Sprague Smith Co...717
Staer J.....699
Standard Pump & Engine Co..... VI
Stearns Lumber Co.. VI
Stenzel Glass Co....718
Stern J & Co.....708
Stokes Seed Store...698
Stoothoff H A & Co.715
Storrs & Harrison Co701
Styer J J.....IV
Syracuse Pottery Co.716
Taylor F G Seed Co.IV
Teilmann Gunnar...706
Thompson J D Carnation Co..... I
Thorburn J M & Co.IV
Totty Chas H 695
Traendley & Schenck695
VanHoutte PereSons705
Vaughan & Sperry...690
Vaughan's Seed Store .....I 698 705
Vick & Hill Co.....701
Vick's Sons Jas..... IV
Vincent R Jr & Son..706
Virgin U J.....696
Wapler Nicholas....717
Ware Thos S.....701
Weber F C.....696
Weber H & Sons....706
Weeber & Don.....IV
Weiland & Risch....690
Welch Bros..... 693
Whildin Pot Co.... 716
Wietor Bros.....686 690
Wild Gilbert H.....701
Wilson Andrew 717
Wilson Robt G.....696
Winandy Bros 715
WintersonEF Co....690
WittboldGeo Co 690 703
Wolf John.....703
Wood Bros.....706
Woods H.....688
Young A L & Co....695
Young Thos.....695
Zech & Mann.....690



CHEAPEST AND BEST.

If you doubt it try them and be convinced. Send for descriptive price circular.

J. D. Carmody, Evansville, Ind.

MYERS & CO.
BUILDERS OF
Modern Greenhouses
HEATING
BOILERS.
1122 Betz Bldg.,
PHILA., PA.

Always mention the American Florist when you order stock.

—THE—
Florists' Hail Association
Insures over 23,000,000 square feet of glass. for particulars address
JOHN G. ESLER, Sec'y, SADDLE RIVER, N. J.

Tobacco Dust
FOR FUMIGATING.
It would pay large users of dust to communicate with us and get samples and prices.
Edwin L. Koppelman & Co., 81 PINE STREET, NEW YORK.

...REMOVAL NOTICE...
Herewith we would like to advise the trade in general and our friends in particular, that we have removed our place of business to
125 North Tenth Street,
ABOVE ARCH STREET.
Thanking you for your past favors and hoping for the continuance of the same in the future, especially as we will be able with more accommodation and with a larger stock to fill your orders more promptly than heretofore. We are Yours very truly,
Philadelphia, Pa. **J. STERN & CO.**

Use our patent Iron Bench Fittings and Roof Supports.

IMPROVED VAPORIZING PANS
For Tobacco Extracts, etc. Send for Circulars.
DILLER, CASKEY & CO. SUCCESSORS TO JENNINGS BROTHERS,
S. W. Cor. Sixth and Berk Sts., PHILADELPHIA.
VENTILATING APPARATUS.

LUMBER
for Greenhouse Benches, Ship Lap, Drop Siding, Sheathing, Flooring, White Cedar Posts, Etc.
We are in special position to furnish "PECKY CYPRESS" everything in PINE and HEMLOCK BUILDING LUMBER. WRITE FOR PRICES.
Adam Schillo Lumber Co. Cor. Weed and Hawthorn St., CHICAGO. Tel. North 1626 and 1627.

Wired Toothpicks
10,000. $1.50: 50,000, $6.25. Manufactured by
W. J. COWEE, BERLIN, N. Y.
Sample free. For sale by dealers.

Ready Reference Advertising.

ADVERTISEMENTS IN THIS DEPARTMENT 10 CENTS PER LINE, CASH WITH ORDER. COPY MUST REACH US MONDAY OF THE WEEK IN WHICH IT IS TO APPEAR

AGERATUMS.

Ageratums, Stella Gurney, 2¼-in., $2 per 100. Nathan Smith & Son, Adrian, Mich.

ALTERNANTHERAS.

Alternantheras, red and yellow, $2 per 100; $15 per 1,000. R. Vincent, Jr., & Son, White Marsh, Md.

ALTHEAS.

Althea Edward Bellamy, best double white, 2 to 3 feet, to close out, $5 per 100; $40 per 1,000. The E. Y. Teas Co., Centerville, Ind.

ARAUCARIAS.

Araucaria Excelsa, 6-in., 18 ins., 4 whls., $1.25 each; $15 per doz. 7-in., 22 ins., 5 whls., $1.50 each; 18 per doz. Glauca, 5-in., 12 ins., 3 whls., $1 each; $12 per doz. 6-in., 13 to 15 ins., 3 to 4 whls., $1.25 each; $15 per doz. 7-in., 18 to 20 ins., 4 to 5 whls., $1.50 each; $18 per doz. 7-in., 22 to 24 ins., 4 to 5 whls., $2 each; $24 per doz. 9-in., 30 ins., 4 to 5 whls., $3 each. 9-in., 34 ins., 5 whls., $4 each. Robusta Com., 5-in., 10 ins., 2 whls., $1 each; $12 per doz. 6-in., 12 ins., 2 to 3 whls., $1.50 each; $18 per doz. 7-in., 28 ins., 5 whls., $3 each. 8-in., 32 ins., 5 to 6 whls., $4 each. Vaughan's Seed Store, Chicago and New York.

Araucarias, Compacta robusta, 20 to 25 ins., 3 to 4 tiers, 3 to 5 yrs., 6 to 7-in. pots, $1.25, $1.50, $1.75, $2, $2.50, $3 each. Excelsa glauca, 6 to 7-in., 3 to 5 trs., 3 to 4 yrs., 2 to 3 ins., $1.25, $1.50, $1.75, $2, $2.50 each. G. Aschmann, 1012 Ontario St., Philadelphia.

Araucaria excelsa, 5-in., 3 to 4 trs., 50c to 75c; 5½ to 6-in., 4 to 5 trs., $1 to $1.25; 7-in., $1.50 to $2.50; 8-in., 3½ ft., $3 to $3.50. A. Schultheis, College Point, N. Y.

Araucaria Excelsa, 6-in., 3 to 4 tiers, $1 each; $12 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Araucaria excelsa. R. Dreyer, Woodside, L. I., N. Y.

Araucarias. L. Van Houtte Pere, Ghent, Belgium.

ASPARAGUS.

Asparagus plumosus, 4½-in., $10 per 100; $1.35 per doz. 4-in. plumosus and Sprengeri, $1.10 per doz.; $8 per 100; $75 per 1,000; 3-in., 65c per doz.; $5 per 100; $45 per 1,000; 2¼-in., 35c per doz.; $2.50 per 100; $22.50 per 1,000. Ludvig Mosbaek, Onarga, Ill.

Asparagus plumosus, 2-in., $3 per 100; $25 per 1,000. 2½-in., $4 per 100; $40 per 1,000; 3-in., $7 per 100; $65 per 1,000. Strong seedlings, $1.50 per 100; $12 per 1,000. Vaughan's Seed Store, Chicago and New York.

Asparagus plumosus, 2¼-in., $2.50; 3-in., $5; 4-in., $8. Sprengeri, 2¼-in., $2.50; 3-in., $4; 4-in., $6; per 1,000, $55. All strong plants, ready for larger pots. Goshen Floral Co., Goshen, Ind.

Asparagus plumosus, 2-in., $3 per 100; 3-in., $6. Sprengeri, 2-in., $3 per 100; 3-in., $6; 4-in., $1.25 per doz.; 5-in., $2. George Wittbold Co., 1657 Buckingham Pl., Chicago.

Asparagus plumosus nanus, 15,000 fine young plants from 2¼-in. pots, worth $3, to close out, $1.50 per 100; $15 per 1,000. The W. T. Buckley Co., Springfield, Ill.

Asparagus plumosus and Sprengeri, 2-in., $3 per 100; $25 per 1,000; from bench, $2.50 per 100; $20 per 1,000. Wm. Clark, Colorado Springs, Col.

Asparagus plumosus, 2¼-in., $2 per 100; $18 per 1,000. Jos. H. Cunningham, Delaware, O.

Asparagus Sprengeri, 2½-in., $2 per 100. Byer Bros., Chambersburg, Pa.

Asparagus plumosus, 4-in., $1.50 per doz.; 4½-in., $2 per doz.; extra large 4½-in., $3 per doz. Sprengeri, $5 per 100. A. Schultheis, College Point, N. Y.

Asparagus plumosus, 4-in., Bushy, 10c to 12c. Sprengeri, 4-in., 10c. G. Aschmann, 1012 Ontario St., Philadelphia.

Asparagus plumosus, 3-in., $5 per 100. Sprengeri, 3½-in., $6 per 100. Scharff Bros., Van Wert, O.

Asparagus plumosus, 2-in., $2.50 per 100; $20 per 1,000. W. F. Kasting, 383 Ellicott St., Buffalo, N. Y.

Asparagus plumosus, 2¼-in., $3; 3-in., $5. W. H. Gullett & Sons, Lincoln, Ill.

500 Asparagus Sprengeri, 3½-in., $5 per 100. Cash with order. Send for sample. C. V. Wolf, Downers Grove, Ill.

Asparagus Sprengeri, 3½-in., $5 per 100. Plumosus, 3½-in., $6 per 100. Poehlmann Bros. Co., Morton Grove, Ill.

Asparagus Sprengeri, 2½-in., $3 per 100; $25 per 1,000. Field clumps, $6 per 100. J. W. Dunford, Clayton, Mo.

Asparagus Sprengeri, 2-in., $2.50 per 100; plumosus, 2-in., $3 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus Sprengeri, field clumps, $6 per 100. Nathan Smith & Son, Adrian, Mich.

ASPIDISTRAS.

Aspidistras, all sizes. Frank Huntsman, Cincinnati, O.

AZALEAS.

Azalea indica, leading varieties, 35c, 40c, 50c, 60c, 75c, $1, $1.25 to $1.50 each. G. Aschmann, 1012 Ontario St., Philadelphia.

Azaleas. Cottage Gardens Co., Queens, L. I., N. Y.

Azaleas. L. Van Houtte Pere, Ghent, Belgium.

Azaleas. Jacs Smits, Ltd., Naarden, Holland.

BAY TREES.

Bay trees, pyramids, 50 to 60 ins., $14 per pair; 65 to 70 ins., $16 to $18 per pair. A. Schultheis, College Point, N. Y.

Bay trees, fine stock. R. Dreyer, Woodside, L. I., N. Y.

Bay trees, all sizes. Bobbink & Atkins, Rutherford, N. J.

Bay trees. L. Van Houtte Pere, Ghent, Belgium.

BEGONIAS.

Begonias Gloire de Lorraine, 6-in., 50c; 3-in., 20c. Begonia Flambeau, 4-in. pots, 20c. B. Erfordii, 4-in., 15c. G. Aschmann, 1012 Ontario St., Philadelphia.

Begonias, Rex, 3-in., $8; 4-in., $15. Blooming begonias, 3-in., $7.50. Geo. A. Kuhl, Pekin, Ill.

Begonias. Thos. S. Ware, Ltd., Feltham, England.

Begonia Rex, 2 and 2½-in., $5 per 100. Geo. M. Emmans, Newton, N. J.

Begonias. L. Van Houtte Pere, Ghent, Belgium.

BOUGAINVILLEAS.

Bougainvilleas, Glabra Sanderiana, 4-in., $20 per 100. Storrs & Harrison Co., Painesville, O.

BULBS, ROOTS, TUBERS.

Bulbs, white Roman hyacinths, 12x15 ctms., $2.75 per 100; $25 per 1,000; 13x15 ctms., $3.75 per 100; $35 per 1,000; 15 and over, $5 per 100; $45 per 1,000. Tulips in var. W. W. Rawson & Co., 5 Union St., Boston.

Bulbs, lilies, Japan longiflorum, 9 to 10 in., case of 200, $15; multiflorum, 7 to 9 in., case 300, $15; 9 to 10 in., case 200, $17; giganteum, 7 to 9 in., case 300, $18.75; 9 to 10 in., case 200, $21. Lilium candidum, $5 per 100. Narcissus, Paper White grandi., 13 to 15 ctm., case of 1,250, $11.25; dbl., Von Sion, extra, $12; mammoth, $20; Princeps, $7 per 1,000; Golden Spur, $18; Empress, $20; Alba plena odorata, $6; Barri, con., $8; Poeticus, $4.50; P. ornatus, $7. White Roman hyacinths, 13 to 15 ctm., $28. Freesia refracta alba, $7.50 per 1,000. Bermuda Buttercup, oxalis, $7.50. Spanish Iris, mixed, $2.50. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Bulbs, freesias, ¾-in., 85c per 100; $7.50 per 1,000; giant, $1.25 per 100; $10 per 1,000. Tulips, Belle Alliance, $2 per 100; $19 per 1,000; Chrysolora, 85c per 100; $7.75 per 1,000; Fireflame, $1.15 per 100; $10 per 1,000; L'Immaculea, 75c per 100; $6.50 per 1,000; Pottebakker, $1.65 per 100; $15 per 1,000; white and yellow, $1.40 per 100; $12.75 per 1,000; Rosamundi, 95c per 100; $8 per 1,000; Yellow Prince, 95c per 100; $8.50 per 1,000; Duc von Tholl, dbl., 90c per 100; $7.50 per 1,000; La Canduer, $1.40 per 100; $12.75 per 1,000; Murillo, $1.95 per 100; $18 per 1,000; Rex rubrorum, $1.80 per 100; $16.50 per 1,000; Tournesol, $1.80 per 100; $16.50 per 1,000. Perennial Gardens Co., Toledo, O.

Bulbs, Dutch Roman hyacinths, named. Tulips, leading vars., single, double, separate colors and mixed. Crocus, Mammoth Yellow. Narcissus, Emperor, Princeps; N. Double Orange Phœnix. Vaughan's Seed Store, Chicago and New York.

Bulbs, L. longiflorum, 7 to 9 ins., $5 per 100; $45 per 1,000; 8 to 10 in., $7 per 100; $68 per 1,000. Hyacinths, tulips, narcissi. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs, Roman hyacinths, 12 to 15, $2.50 per 100. Narcissus, Von Sion, $1 per 100; Trumpet Major, 75c per 100; Incomparable, 80c per 100. Storrs & Harrison, Painesville, O.

Bulbs, P. W. narcissus, 13-15 ctm., 1,300 to case, $7 per 1,000, case lots only; less, $8 per 1,000. Stokes Seed Store, 219 Market St., Philadelphia.

Bulbs, Narcissus Empress and Henry Irving, Candidum lilies. E. F. Winterson Co., 45 Wabash Ave., Chicago.

Bulbs, hyacinths, tulips, narcissus, crocus, lilies, freesias. Jas. Vick's Sons, Rochester, N. Y.

Bulbs of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Bulbs of all kinds. Currie Bros. Co., 308 Broadway, Milwaukee, Wis.

Cannas, dormant, 2-3 eye, David Harum, Shenandoah, Duke of Marlborough, Queen Charlotte, Sec. Chabanne, Pennsylvania, $2 per 100; $18 per 1,000. Discolor, Allemania, $1.50 per 100; $12.50 per 1,000. A. Bouvier, C. Henderson, L. Patry, Mlle. Berat, $1.75 per 100; $15 per 1,000. F. Vaughan, $2 per 100. Souv. d'Antoine Crozy, $2.50 per 100. Ludvig Mosbaek, Onarga, Ill.

Cannas. Thos. S. Ware, Ltd., Feltham, England.

Cannas, 5 vars., field clumps, $10 per 100. Jos. H. Cunningham, Delaware, O.

Cannas of all vars. Dingee & Conard Co., West Grove, Pa.

Cannas. John Wolf, Ott and Anderson St., Savannah, Ga.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Lily of the valley, Excellenta, per original case of 500, $7. John Scheepers & Co., 2-6 Old Slip, New York.

If you do not find what you need in our Ready Reference Department, write us about it.

CARNATIONS.

CARNATIONS.

	100	1,000		100	1,000
Pink.			White.		
Mancee	...$6		B. Market..	$5	$45
Lawson	... 6	$50	F. Burki...	7	60
N. Fisher..	7	60	F. Hill.....	5	45
G. Angel...	4	35	W. Cloud...	5	45
M. Glory...	4	35	Red and Crimson.		
White.			Chicago	...$5	$45
L. Peary...	8	75	H'warden ..	6	50

Wietor Bros.. 51 Wabash Ave., Chicago.

Carnations, highland grown, F. Hill, $4.50 per 100; Crusader, M. A. Patten, $5 per 100; Prosperity, M. Glory, $4 per 100; $35 per 1,000. Glacier, W. Cloud, Harlowarden, Roosevelt, Peru, $3.50 per 100; $30 per 1,000. Crabb & Hunter, Grand Rapids, Mich.

Carnations, rooted cuttings, Red Chief, Bonnie Maid, Aristocrat, $12 per 100; $100 per 1,000. Rose Pink Enchantress, $7 per 100; $60 per 1,000 White Perfection, $6 per 100; $50 per 1,000. F. Dorner & Sons Co., La Fayette, Ind.

Carnation Victory, field-grown, 1st size, $15 per 100; 2nd size, $12; 3rd size, $10. Guttman & Weber, 43 W. 28th St., New York.

Carnations, Rose Pink Enchantress, rooted cuttings, $7 per 100; $60 per 1,000. S. S. Skidelsky, 824 No. 24th St., Philadelphia.

Carnations, Pink Imperial, cuttings, $2.50 per doz.; $12 per 100; $100 per 1,000. John E. Haines, Bethlehem, Pa.

Carnations, Aristocrat, rooted cuttings, $12 per 100; $100 per 1,000. Chicago Carnation Co., Joliet, Ill.

Carnation Abundance, rooted cuttings ready Jan. 1. R. Fischer, Great Nick, L. I., N. Y.

Carnations, 1,500 Norway, $3.50 per 100; $30 per 1,000. J. W. Dunford, Clayton, Mo.

Carnations, Lady Bountiful and Phyllis. E. F. Winterson Co., 45 Wabash Ave., Chicago.

Carnation Mabelle, new, $12 per 100; $100 per 1,000. H. Weber & Sons Co., Oakland, Md.

Carnations, 1,000 Lawson, $5 per 100. Bassett & Washburn, 76 Wabash Ave., Chicago.

Carnations, Norway, $3 per 100. W. H. Gullett & Sons, Lincoln, Ill.

Carnation, Bertha Rath. R. Dreyer, Woodside, L. I., N. Y.

Carnations for fall delivery. Wood Bros., Fishkill, N. Y.

Carnations. J. D. Thompson Carnation Co., Joliet, Ill.

Carnations, leading vars. A. M. Herr, Lancaster, Pa.

CHRYSANTHEMUMS.

Chrysanthemums, stock plants, C. Touset, Nonin and Moneymaker, 15c each; $1.50 per doz.; $12 per 100. Monrovia, Pacific, Bonnaffon, white and yellow, Eaton, Mrs. Weeks, V-Morel, J. K. Shaw, A. Byron, Galloway, B. Wells, Enguehard, Golden Age, Yanoma, Chadwick, 10c each; $1 per doz.; $6 per 100. Gunnar Teilmann, Marion, Ind.

Chrysanthemums, stock plants of the following varieties at $4 per 100: Kalb, Glory of Pacific, Polly Rose, Pink Ivory, White Ivory, Wm. Duckham, Maud Dean, Marie Layer, Dr. Enguehard, A. J. Balfour, Alice Byron, R. Halliday. W. H. & C. B. Newman, Akron, N. Y.

Chrysanthemums, C. Touset, Nonin, $1 per doz.; $7 per 100; $60 per 1,000. Pacific, Estelle, Willowbrook, Halliday, Kalb, L. Harriet, 60c per doz.; $4 per 100. Eggeling Floral Co., 1653 S. Grand Ave., St. Louis, Mo.

Chrysanthemums, stock plants, Rosiere, $1.50 per doz. Emereter, Mersthan, C. Touset, $1 per doz. Monrovia, Omega, M. Bergman, Willowbrook, 75c per doz. Eli Cross, Grand Rapids, Mich.

Chrysanthemums, stock plants, Estelle, October Sunshine, J. K. Shaw, 75c per doz.; $6 per 100. W. H. Gullett & Sons, Lincoln, Ill.

Chrysanthemums, stock plants, Touset, $7 per 100. Roi de Italia, $5 per 100. W. A. Chalfant, Springfield, Mo.

Chrysanthemums, new earlies and novelties. E. G. Hill Co., Richmond, Ind.

Chrysanthemum novelties. Chas. H. Totty, Madison, N. J.

Chrysanthemums. Wood Bros., Fishkill, N. Y.

Chrysanthemums. Geo. A. Kuhl, Pekin, Ill.

CLEMATIS.

Clematis, large flower, finest sorts, 2-yr., 12c. Paniculata, 6c. W. H. Salter, Rochester, N. Y.

COBOEA.

Coboea Scandens, 4-in., $8 per 100. Godfrey Aschmann, 1012 Ontario St., Philadelphia, Pa.

COREOPSIS.

Coreopsis grandi, 3c. M. Kohankie, Painesville, O.

CYCLAMENS.

Cyclamen plants, giganteum strain, seed taken of exhibition stock only, 3-in., $7 per 100, well set with buds. C. Winterich, Cyclamen Specialist, Defiance, O.

Cyclamen, 5-in., 20c; 4-in., 12c. G. Aschmann, 1012 Ontario St., Philadelphia.

Cyclamen, high grade, 3-in., $8; 4-in., $20. Geo. A. Kuhl, Pekin, Ill.

DAHLIAS.

Dahlias, improved Countess of Lonsdale, cactus type, 6 for $1; $1.75 per doz.; $12 per 100. Arthur T. Boddington, 342 W. 14th St., New York.

Dahlias, field clumps, 10 varieties, $5 per 100. Cash. McRae-Jenkinson Co., Cheswich, Pa.

Dahlias. Thos. S. Ware, Ltd., Feltham, England.

DAISIES.

The Transvaal Daisy (Gerbera Jamesoni). The handsomest brilliant scarlet flowered herbaceous plant in existence. Strong field-grown clumps, $12 per 100. Bobbink & Atkins, Rutherford, N. J.

Daisies, Snowball and Longfellow, $2.50 per 1,000; 2,000 for $4.50. Shippensburg Floral Co., Shippensburg, Pa.

Daisies, dbl., leading vars., $2.50 per 1,000. Byer Bros., Chambersburg, Pa.

DEUTZIAS.

Deutzias, in variety. W. & T. Smith Co., Geneva, N. Y.

DRACAENAS.

Dracænas, fragrans, 6-in., $6 per doz.; 7-in., $9; 8-in., $15 per doz. Lindeni, 6-in., $9 per doz.; 7-in., $12 per doz.; Indivisa, 4-in., $10 per 100; 5½-in., $20 per 100; Terminalis, 5-in., $4 per doz.; 5½-in., $5 per doz.; 7-in., $15 per doz. A. Schultheis, College Point, N. Y.

Dracæna fragrans, 5-in., 50c each; $5 per doz.; D. indivisa, 2-in., $2.50 per 100; 6-in., 20 to 26 ins., 50c each; $5 per doz.; 7-in., 30 to 34 ins., 75c each; $9 per doz. Geo. Wittbold Co., 1657 Buckinham Pl., Chicago.

Dracæna indivisa, field-grown, 5-in., $15 per 100; 6-in., $25 per 100. Storrs & Harrison Co., Painesville O.

Dracæna Bruanti, 30 in., 6-in. pots, 50c each; $5 per doz. G. Aschmann, 1012 Ontario St., Philadelphia.

Dracæna indivisa, 4 and 5 in., $10 and $25 per 100. Geo. M. Emmans, Newton, N. J.

FERNS.

Ferns, Barrowsii, 7-in., 75c to $1 each; 6-in., 50c; 5½-in., 40c; 5-in., 35c; 4-in., 25c. Scottii, 8-in., $1.25; 7-in., 75c; 6-in., 50c.; 5½-in., 40c; 4-in., 20c. Elegantissima, 5-in., 30c. Boston, 7-in., 75c; 6-in., 50c; $5 per doz.; 5-in., 30c to 35c; 4-in.,20c. Ferns for dishes, 2½-in., $5 per 100; 3-in., 6c. G. Aschmann, 1012 Ontario St., Philadelphia.

Ferns, Boston, 2½-in., 60c per doz.; $5 per 100. 3-in., $1.50 per doz.; $10 per 100. 4-in., $2.50 per doz.; $20 per 100. 5-in., 50c each; $5 per doz.; $40 per 100. 6-in. pans, 75c each; $8 per doz.; $60 per 100. 7-in., $1 each; $10 per doz.; $75 per 100. 8-in., $1.50 each. $15 per doz. 9-in., $2 to $2.50 each. 10-in., $3 to $3.50 each. 12-in., $4 to $5 each. Ferns for dishes, asst., 2¼-in., $3 per 100; $25 per 1,000. Vaughan's Seed Store, Chicago and New York.

Ferns, Boston and Piersoni, 10-in., $2 each; $20 per doz.; 8-in., $1 each; $10 per doz. Boston, Piersoni, Anna Foster and Sword, 6-in., $5 per doz.; $40 per 100; 4-in., $2 per doz.; $15 per 100; $125 per 1,000; 3-in., $1 per doz.; $8 per 100; $75 per 1,000; 2¼-in., 50c per doz.; $3.50 per 100; $30 per 1,000. Elegantissima, 4-in., $4 per doz.; $30 per 100; 3-in., $2 per doz.; $15 per 100; $125 per 1,000; 2¼-in., $1.25 per doz.; $8 per 100; $70 per 1,000. Ludvig Mosbaek, Onarga, Ill.

Ferns, Boston, 5-in., $3 per doz.; 6-in., $5 per doz.; 6½-in., $9 per doz.; 8-in., $15 per doz.; 11-in., $2.50 to $3 each. Specimens, 12-in., $5, $6 and $7 each; 14-in. $15 per pair. Scottii, 5½-in., $3 per doz.; 6-in., $6 per doz.; 7 and 8-in., $12 per doz. Elegantissima, 5½-in., $5 per doz. Whitmani, 4½-in., $6 per doz. Piersoni, 5-in., $4 per doz.; 6-in., $6 per doz.; 6½-in., $9 per doz.; 7-in., $12 per doz. A. Schultheis, College Point, N. Y.

Ferns, Boston, 4-in., $1.50 per doz.; 5-in., $3; 6-in., $4.20; 6-in., strong, $6; 7-in., $9. Large specimens, $1.50, $2, $3 each. Assorted ferns for dishes, $3 per 100; $25 per 1,000. Scottii, 10-in., $2 each. Fern Balls, 7 to 9 dormant or in leaf, $4.20 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Ferns, Boston, strong runners, $2 per 100. Piersoni, 6-in., $40 per 100; 7-in., $60. Scottii, 5-in., $25 per 100; 6-in., $40 per 100; 7-in., $60 per 100. Elegantissima, 2½-in., $5 per 100. Whitmani, young plants from bench, $10 per 100. Davis Bros., Morrison, Ill.

Ferns, Boston and Piersoni, 4-in., 10c; 5-in., 12½c; Boston, 6 and 7-in., 15c; 3-in., 5c; Tarrytown, 3-in., 10c; 4-in., 15c; 6-in., 25c; runners, $2 per 100; Scottii, 3-in., 8c; 4-in., 12½c; 5-in., 15c. Byer Bros., Chambersburg, Pa.

Ferns, N. Piersoni Elegantissima, 2¼-in. pots, $12 per 100; specimen plants, 6-in., $1 each; 8-in., $2; 10-in., $3; 12-in., $5; 14-in., $7.50; 16-in., $10. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns, Piersoni, 6-in., 35c; 5-in., 25c; 4-in., 15c. Boston, 5-in., 25c; 4-in., 15c. Scottii, 5-in., 30c; 4-in., 20c. Anna Foster, 2½-in., 4c. Benj. Connell, West Grove, Pa.

Ferns, N. Whitmani, 2¼-in., $25 per 100. Boston, 2¼-in., $3 per 100. H. H. Barrows & Sons. Whitman, Mass.

Ferns, Boston, Piersoni, Barrowsii, Scottii, Whitmani, Elegantissima, all sizes. Geo. A. Kuhl, Pekin, Ill.

Ferns, Boston, from bench, for 4 and 5-in., $10 and $15 per 100. J. W. Dunford, Clayton, Mo.

Ferns, orders booked now for N. Amerpohlii, Janesville Floral Co., Janesville, Wis.

Ferns, Boston, Piersoni, Elegantissima, Scottii, cheap. W. W. Coles, Kokomo, Ind.

Ferns, Boston, 5-in., 30c each. Piersoni, 6-in., 50c each. Geo. M. Emmans, Newton, N. J.

Ferns, Boston, 5-in., $25; Specimens, 75c and $1. W. H. Gullett & Sons, Lincoln, Ill.

Ferns, Boston, 4 and 5-in. John Wolf, Ott and Anderson St., Savannah, Ga.

Ferns, Scottii, 5-in., $25 per 100. Holton & Hunkel Co., Milwaukee, Wis.

Ferns, A. Hybridum, 2¼-in., $5 per 100. A. Ley & Bro., Langdon, D. C.

Ferns, all leading varieties. R. Dreyer, Woodside, L. I., N. Y.

If you do not find what you need in our Ready Reference Department, write us about it.

FICUS.

Ficus, 6-in., $6 per doz.; 6½-in., branched, $9 per doz.; 6½-in., single, $8 per doz.; 7-in., branched, $9 per doz.; 10-in., 3 in pot, $2 to $2.50 each. A. Schultheis, College Point, N. Y.

Ficus elastica, 5-in., 12 to 14 ins., $5 per doz.; $40 per 100. Vaughan's Seed Store, Chicago and New York.

Ficus elastica, 6-in., 50c. G. Aschmann, 1012 Ontario St., Philadelphia.

GERANIUMS.

Geraniums, from 2-in. pots. Alliance, Lemoine, 1905, 25c each; $2 per doz. Fleuve Blanc, $1.50 per doz.; $10 per 100. Cactus, 4 vars., $2 per doz., $15 per 100. Double Dryden, $1 per doz.; $5 per 100. Nutt, La Pilote, Poitevine, Mme. Barney, Centaure, Kendall, Mme. Jaulin, Viaud, Mme. Charotte, 40c per doz.; $2 per 100; $18 per 1,000. Ville de Poitiers, M. de Castellane, Berthe de Presilly, M. Jolly de Bammeville, T. Meehan, 50c per doz.; $3 per 100; $25 per 1,000. R. Vincent, Jr., & Son, White Marsh, Md.

Geraniums, S. A. Nutt, Castellane, John Doyle, Perkins, Double Gen. Grant, La Favorite, Poitevine, 2-in. pots, $2 per 100; R. C., $1 per 100. Geo. M. Emmans, Newton, N. J.

Geraniums, unrooted cuttings, S. A. Nutt, $1 per 100, cash. McRae-Jenkinson Co., Cheswick, Pa.

Geraniums, leading vars. A. M. Herr, Lancaster, Pa.

GLOXINIAS.

Gloxinias. L. Van Houtte Pere, Ghent, Belgium.

GREENS.

Greens, wreathing, standard, per coil, 20 yds., 60c; light weight, 50c; standard dyed, 60c; light weight, 50c. Wreaths, holly, Delaware, $1.10 per doz.; Southern, $1 per doz.; evergreen mixed, $1 per doz. Evergreen, plain, $1 per doz.; with immortelles, $1.10 per doz. Galax, green or bronze, 90c per doz.; with immortelles, $1 per doz.; magnolia wreaths, $1 per doz.; with immortelles, $1.10 per doz. Delaware holly, per crate, $4 to $4.50; Southern, $3.25 to $3.75. Mistletoe, per lb., 20c. Needle pines, per doz., $1.50. Galax leaves, per 1,000, $1. California pepper boughs, per crate, $4.50. Magnolia leaves, per barrel, $6.50. H. Woods Co., 127 S. Water St., Chicago.

Greens, dagger and fancy ferns, $1.25 per 1,000. Bronze and green galax, $1 per 1,000; 10,000 lots, $7.50. Bouquet green, per 100 yds., $7. Laurel festooning, 5c and 6c per yd. Laurel wreaths, $3 per doz.; branch laurel, per bunch, 5c. Boxwood, per lb., 20c. Leucothoe sprays, per 100, $1. Green and Spaghnum moss, $1 per barrel. Lyrata (new). H. M. Robinson & Co., 8 Province St., Boston, Mass.

Greens of all kinds, holly and other wreaths, wreathing, etc. We wish to buy in car lots—holly, mistletoe, southern smilax, needle pine, magnolia, sago and other palm leaves. H. Woods, 127 S. Water St., Chicago.

Greens, galax, leaves, ferns and leucothoe sprays, holly. Princess pine, all kinds of evergreens. Galax leaves, $1 per 1,000. N. Lecakes & Co., 53 W. 28th St., New York.

Greens, cut palmetto and cycas palm leaves, galax, leucothoe, ferns, mosses and all decorating evergreens. The Kervan Co., 20 W. 27th St., New York.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 52 W. 28th St., New York.

Decoration Material, fancy fern leaves, also galax, green sheet moss, etc. Ask for latest price list. Barteldes Seed Co., Denver, Col.

Greens, fancy ferns, $1 per 1,000. Galax, $1.25. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. A. J. Fellouris, 52 W. 28th St., New York.

Greens, Beaven's fadeless sheet moss, $3.50 per bag. Southern wild smilax. E. A. Beaven, Evergreen, Ala.

Greens, evergreens, galax, ferns, decorative supplies, moss. Jno. P. Scherer, 636 Garden St., Union Hill, N. J.

Greens, bouquet green and Christmas trees. Northern Mich. Evergreen Nursery, Clark St. Bridge, Chicago.

Greens, Southern wild smilax. Caldwell The Woodsman Co., Evergreen, Ala.

HARDY PERENNIALS.

Iris Germanica, Mme. Chereau, Gracchus, Florentine, Socrates, Duchess de Nemours, Dr. Bernice and 20 others, $2.50 per 100; $22.50 per 1,000. Hemerocallis in 10 vars., $3.75 per 100; $30 per 1,000. Delphinium Belladonna, 1 yr., plants, $6.25 per 100; $57.50 per 1,000; 3 yr., clump, $8.75 per 100; $75 per 1,000. Chrysanthemum maximum King Edward, largest white Marguerite, strong from ground, $8.75 per 100. Lythyrus latifolius White Pearl, from ground, $12.50 per 100. Thos. S. Ware, Ltd., Feltham, England.

Hardy perennials, achillea, The Pearl; aquilegia in var.; campanula in var.; Coreopsis; Dianthus plumarius; foxglove; forget-me-not; chrysanthemums, 30 vars.; Shasta daisy; Sweet William and many others, $1 per 100; 15c per doz. Oriental poppy in var.; Monarda Didyma and many others, $1.50 per 100; 20c per doz. Ludvig Mosbaek, Onarga, Ill.

Hardy pinks, field-grown, Essex Witch, M. Gray, Abbottsford, 3½c. Byer Bros., Chambersburg, Pa.

Herbaceous perennials, 967 varieties. Bay State Nurseries, North Abington, Mass.

Phlox, iris, pinks, etc. Vick & Hill, Rochester, N. Y.

Phlox finest, 4c. W. H. Salter, Rochester, N. Y.

HIBISCUS.

Hibiscus Syriacus Meehani. P. J. Berckmans Co., Inc., Augusta, Ga.

HOLLYHOCKS.

Hollyhocks, dbl., 4 colors, 1-yr., 3c. Byer Bros., Chambersburg, Pa.

HYDRANGEAS.

Hydrangeas, Otaksa and Thos. Hogg, 7-12 crowns, $12 per 100; 5-6, $9 per 100; 4, $7 per 100. Jackson & Perkins Co., Newark, N. Y.

Hydrangea Otaksa, 7 and 8-in., $25 per 100. W. F. Kasting, 383 Ellicott St., Buffalo, N. Y.

IVY.

Ivy, hardy English, $2 per 100; $15 per 1,000. R. Vincent, Jr., & Son, White Marsh, Md.

Ivy, English, 4½-in., $2 per doz.; $15 per 100. A. Schultheis, College Point, N. Y.

JERUSALEM CHERRIES.

Jerusalem cherries, 6-in., from $3 to $6 per doz. G. Aschmann, 1012 Ontario St., Philadelphia.

Jerusalem cherries, 6-in., from $3 to $6 per doz. G. Aschmann, 1012 Ontario St., Philadelphia.

Jerusalem cherries, 3½-in. in bloom, $4 per 100. J. W. Dunford, Clayton, Mo.

MARANTAS.

Maranta Lietzii, 2½-in., $1 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

MUSHROOM SPAWN.

Mushroom Spawn, pure culture spawn, and importers of English mushroom spawn. Knud Gundestrup & Co., 4273 Milwaukee Ave., Chicago.

Mushroom Spawn, English and pure culture. Weeber & Don, 114 Chambers St., New York.

Mushroom Spawn, frequent importations from England. J. J. Styer, Concordville, Pa.

NURSERY STOCK.

Nursery stock, shade trees, fruit trees, small fruits, shrubs, clematis, Barberry Thunbergii. W. & T. Smith Co., Geneva, N. Y.

Nursery stock, trees and shrubs. Price list on application. Peterson's Nursery, 503 W. Peterson Ave., Chicago.

Calycanthus, sweet shrub, 1½ to 2 feet transplanted, $5 per 100. The E. Y. Teas Co., Centerville, Ind.

Nursery stock, evergreen and deciduous flowering shrubs and vines. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, all kinds of hardy stock. Klehm's Nurseries, Arlington Heights, Ill.

Nursery stock, deciduous trees and shrubs, evergreens. Cottage Gardens Co., Queens, L. I., N. Y.

Nursery stock, pot-grown shrubs, conifers and ornamental stock. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, Biota aurea nana, conifers, oranges, etc. P. J. Berckmans Co. (Inc.), Augusta, Ga.

Nursery stock, large trees, oak, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, plants and shrubbery of all kinds. Dingee & Conard Co., West Grove, Pa.

ORCHIDS.

Orchids, C. Dowiana, C. Gigas, C. Mossiæ, C. Percivaliana, C. speciosissima, C. Eldorado, C. superba, C. labiata, C. Leopoldii. Lager & Hurrell, Summit, N. J.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England; New York office, room 1, 235 Broadway.

Orchids, imported seedlings. Julius Roehrs Co., Rutherford, N. J.

PALMS.

Palms, Areca Lutes., 4-in., 3 plts. in pot, 15-in., $3.50 per doz.; $25 per 100; 6-in., 3 plts., 24 to 26 ins., $1 each. Cocos Wed., 2¼-in., 5 to 6 ins., $1.50 per doz.; $10 per 100; $90 per 1,000; 3-in., 8 to 10 ins., $2 per doz.; $15 per 100; $140 per 1,000. Kentia Fors., 6-in., 6 lvs., 24 to 28 ins., $1 each; 6-in., 6 lvs., 28 to 30 ins., $1.25; 6-in., 6 lvs., 30 to 32 ins., $1.50; 7-in., 6 lvs., 34 to 36 ins., $2; 7-ins., 6 lvs., 36 to 40 ins., $2.50; 9-in., 6 lvs., 46 to 48 ins., $3.50; 7-in. tubs, 6 lvs., 48 ins., $4; 12-in., 6 to 7 lvs., 8 to 10 ft., $15. Made up, 9-in., 4 plts. in pot, 3½ ft., $4 each; 9-in. tubs, 4 plts., 4 ft., $5; 12-in., 4 plts., 6½ to 7 ft., $15; 13-in., 4 to 6 plts., 5½ to 6 ft., bushy, $15. Bel., 6-in., 6 lvs., 20 to 24 ins., $1 each; 6-in., 6 lvs., 24 to 26 ins., $1.25; 6-in., 6 to 7 lvs., 26 to 28, $1.50; 7-in., 6 to 7 lvs., 34 to 36 ins., $2.50; 9-in tubs, 6 to 7 lvs., 48 ins., heavy, $7.50. Latania Borb., 6-in., 6 to 8 lvs., heavy, $10 per doz.; $75 per 100. Livistona Rotundifolia, 4-in., $4 per doz.; $30 per 100. Phœnix Can., 2½ ft., $2 each; 3½ ft., $3.50; 4 to 4½ ft., $5; 4½ to 5 ft., $6. Phœnix Roebelenii, 4-in., 10 ins., $1 each; 5-in., 12 ins., $1.25; 8-in., 18 ins., $3.50. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Palms, Cocos, 2½-in., $2 per doz.; C. Bonetti, specimens, $40 each. Kentia Bel., 3-in., $2 per doz.; 6-in., $1.25 each, $15 per doz.; Kentia Fors., 6-in., $1.25 each, $15 per doz.; 7-in., $2, 2.50 and $3 each, $24 per doz. Phœnix Can., 2-in., $1 per doz.; 10-in., $3 each; large specimens. Phœnix Recli, 3½-in., $2 per doz.; 4-in., $3 per doz.; 6-in., 50c each, $6 per doz.; 7-in., 75c each. Latania Bor., 3-in., $1.50 per doz.; 3½-in., $2; 4-in., $3; 5-in., $5; 7-in., $12. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Palms, Phoenix Can., 4-in., $10 per 100. Ludvig Mosbaek, Onarga, Ill.

Palms of all kinds. R. Dreyer, Woodside, L. I., N. Y.

Palms. P. J. Berckmans Co. (Inc.), Augusta, Ga.

Palms. L. Van Houtte Pere, Ghent, Belgium.

If you do not find what you need in our Ready Reference Department, write us about it.

Palms, Kentia Fors., 3 to 4 plants, 8-in., $1.50 to $3; 10-in., $6 each; 14-in., $15 to $20 each; single plants, 50c to $2 each. Belmoreana, 5-in., $4 per doz.; 6-in., $9 per doz.; 6½ and 7-in., $18 per doz; large plants, $2.50 to $3.50 each. Livistona, 5 to 5½-in., $5 per doz.; 6½-in., $9 per doz.; 7-in., $12 per doz. Cycas revoluta, 5½, 6, 7 and 8-in., 50c to $1.50 each. A. Schultheis, College Point, N. Y.

Palms, Kentia Fors., 7-in., made-up, 4 plts. in pot, 22 to 25 ins., $2 each; 6-in., single plants, 35 to 40 ins., 5 to 6 lvs., $1.25 to $1.50 each; 6-in., 30 to 35 in., 5 lvs., $1; 5½-in., 25 to 30 ins., 5 lvs., 75c; made-up, 3 and 4-in., 18 to 20 ins., 25c to 30c. Cocos Wed., 15c. Areca Lutescens, 5-in., 24 ins., made-up, 3 plts., 35c; 4-in pots, 20 to 24 ins., 3 plts., 25c. Areca Sapida, 25 ins., $1 each. G. Aschmann, 1012 Ontario St., Philadelphia.

PANDANUS.

Pandanus Veitchii, 5-in., $4 per doz.; 6-in., $6 per doz.; 6½-in., $9 per doz.; 7-in., $18 per doz.; 8-in., $2 each. A. Schultheis, College Point, N. Y.

PANSIES.

Pansies, International, English prize, Parisian, Giant, Trimardeau, Odier, $3 per 1,000; 100 by mail, 50c. F. A. Baller, Bloomington, Ill.

Pansies, best mix., $2.50 per 1,000; 2,000 for $4.50. Shippensburg Floral Co., Shippensburg, Pa.

Pansies, $3 per 1,000; 50c per 100. Jos. H. Cunningham, Delaware, O.

Pansies, giant prize, mixed colors, $3 per 1,000. Peter Brown, Lancaster, Pa.

Pansies, giant, $3 per 1,000. Byer Bros., Chambersburg, Pa.

PEONIES.

Peonies, Prince Charles, Lord Salisbury, Duchess of Sutherland, Rosea maxima, Mme. Furtado, Philomile, Leonie, Mons. Boquil, Festiva, Hypathia, Mons. Rousselon, Mme. Moreau, 1 yr., $1.50 per doz.; $10 per 100; 2 yr., $2 per doz.; $15 per 100. Thos. S. Ware, Ltd., Feltham, England.

Peonies, choice kinds, Festiva Maxima, Felix Crousse, Queen Victoria, etc., at lowest rates. Fine mixed sorts, $5 per 100. The E. Y. Teas Co., Centerville, Ind.

Peonies, Queen Victoria, $9 per 100. Festiva Maxima, $30 per 100; Fragrans, $6 per 100. G. H. Wild, Sarcoxie, Mo.

Peony Queen Victoria, 3 to 6 eye divs., $10 per 100; $90 per 1,000. Storrs & Harrison Co., Painesville, O.

Peonies, 20 finest sorts. While surplus lasts, 6c. List free. W. H. Salter, Rochester, N. Y.

Peonies, 6 choice kinds, all colors, $8 per 100; $75 per 1,000. F. A. Baller, Bloomington, Ill.

Peonies. Wholesale grower of the best varieties. J. F. Rosenfield, West Point, Neb.

Peonies a specialty. Peterson Nursery, 503 W. Peterson Ave., Chicago.

Peonies, all vars. Jacs Smits, Ltd., Naarden, Holland.

Peonies. W. & T. Smith Co., Geneva, N. Y.

PEPPERS.

Peppers, Celestial or Xmas., 4-in., $1.25 per doz.; $10 per 100, 5-in., $2 per doz.; $15 per 100. Vaughan's Seed Store, Chicago and New York.

PETUNIAS.

Petunias, Seafoam, Intensity, Pink Beauty, 2¼-in., $2.50 per 100. Nathan Smith & Son, Adrian, Mich.

POINSETTIES.

Poinsettias, 3-in., $8; 4-in., $12.50; 6-in., 50c each. Geo. A. Kuhl, Pekin, Ill.

PRIMULAS.

Primroses, Chinese, 2½-in., $5; 3-in., $8; 4-in., $12.50. Obconica, 2½-in., $5; 3-in., $8. Baby, 3-in., $8. Geo. A. Kuhl, Pekin, Ill.

Primroses, obconica alba and rosea, $1.50 per 100; $12 per 1,000. Jos. H. Cunningham, Delaware, O.

Primula obconica, alba, rosea, 2-in., $1.50 per 100. Shippensburg Floral Co., Shippensburg, Pa.

Primroses, Chinese, 4-in., $8 per 100. G. Aschmann, 1012 Ontario St., Philadelphia.

Primula obconica, $2 per doz.; $15 per 100. A. Schultheis, College Point, N. Y.

Primrose, Baby, 2½-in. pots, 4c each. The Dingee & Conard Co., West Grove, Pa.

Primroses, Chinese, 2-in., 1½c. Byer Bros., Chambersburg, Pa.

Primula obconica, 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

PRIVET.

Privet, California, the best. R. Dreyer, Woodside, L. I., N. Y.

RHODODENDRONS.

Rhododendrons. Jacs Smits, Ltd., Naarden, Holland.

Rhododendrons. Cottage Gardens Co., Queens, L. I., N. Y.

ROSES.

Roses, Baby Rambler, 1st size, 2 yr., $3 per doz.; $25 per 100; $200 per 1,000. 2nd size, 2 yr., $2.50 per doz.; $20 per 100; $150 per 1,000; 1st size, 1 yr., $2 per doz.; $15 per 100; $120 per 1,000. Pot-grown, 4-in., $3 per doz.; $20 per 100. 5-in., $5 per doz.; $40 per 100. 6-in., $6 per doz., $50 per 100. Etoile de France, 1-yr., dormant, $2 per doz.; $15 per 100. Richmond, 3-in., $8 per 100; $75 per 1,000; 4-in., $12 per 100; $100 per 1,000. Killarney, 3-in., $8 per 100; $75 per 1,000; 4-in., $12 per 100; $100 per 1,000. Vaughan's Seed Store, Chicago and New York.

Roses, 2-yr., field-grown, hybrid perpetuals, $10 and $12 per 100; Crimson Rambler, $9 per 100; Dorothy Perkins, $7 per 100. Lady Gay, 2½-in. pots only. Jackson & Perkins Co., Newark, N. Y.

Rose, Queen Beatrice, finest forcing pink, to be disseminated spring of 1907. F. H. Kramer, 916 F St., N. W., Washington, D. C.

Roses, from 2½-in. pots, Ivory, G. Gate, Bride, Maid, Chatenay. Mrs. J. W. Crouch, 709 Market St., Chattanooga, Tenn.

Roses, C. Soupert, Marie Pavie, C. Rambler, Dorothy Perkins, P. J. Berckmans Co. (Inc.), Augusta, Ga.

Roses, H. P's, H. T's, T's, R's, Cl's, B., etc., 101 best sorts, own roots. Leedle Floral Co., Springfield, O.

Roses, Crimson Rambler, 4 to 7 ft., $10 per 100; No. 2's, $6 per 100. C. M. Niuffer, Springfield, O.

Roses, Magna Charta, 2-yr., field-grown, $12 per 100. Storrs & Harrison Co., Painesville, O.

Roses, Dorothy Perkins, strong field plants, $7 per 100. The E. Y. Teas Co., Centerville, Ind.

Roses, strong 3-in., Bride and Maid, $4; 2½-in., $2. W. H. Gullett & Sons, Lincoln, Ill.

Roses, over 1,000 vars. on own roots, all sizes. Dingee & Conard Co., West Grove, Pa.

Roses, Bride, Maid, G. Gate, Ivory, $1.50 per 100. Geo. A. Kuhl, Pekin, Ill.

Roses, 4-in. pots. Muskogee Carnation Co., Muskogee, Ind. Ter.

Roses, field-grown for forcing. W. & T. Smith Co., Geneva, N. Y.

Roses, from 3-in. pots. Wood Bros., Fishkill, N. Y.

Roses, climbing plants. Jacs Smits, Ltd., Naarden, Holland.

SANSEVIERIAS.

Sansevieria Zey., 4 to 5-in., $15; 3-in., $8 per 100. Ludvig Mosbaek, Onarga, Ill.

SEEDS.

Seeds, 5,400 acres of garden seeds in cultivation. Braslan Seed Growers' Co., San Jose, Cal.

Seeds, palms, Kentia Fors., K. Bel., $1.25 per 1,000. Canterburyana, $3 per 1,000. Moorei, $12 per 1,000. Areca Baueri, $1 per 1,000. Seaforthia elegans, 50c per 1,000. Livistona australis, 50c per 1,000. Bacularia monostachya, $1.50 per 1,000. Gymnostachys anceps, $2 per 1,000. Calamus Muelleri, $1.50 per 1,000. Tree seeds, Castanospermum australe, $5 per 1,000. Araucaria excelsa, $1.25 per 1,000. J. Staer, Wahroonga, N. S. W., Austrialia.

Seeds, Asparagus, A. plumosus nanus, Northern greenhouse grown seed, 100 seeds, 60c; 250 seeds, $1.25; 1,000 seeds, $4.50. Southern greenhouse grown, 1,000 seeds, $2.50; 5,000 seeds, $10. A. plumosus robustus, 100 seeds, $1; 1,000 seeds, $9. Decumbens, 100 seeds, 50c; 1,000 seeds, $4. Comorensis, 100 seeds, $1; 1,000 seeds, $7.50. Cash discount 2 per cent. Vaughan's Seed Store, Chicago and New York.

Seeds, sweet peas, Earliest White, per pkt. (40 seeds), 25c; 5 pkts., 75c net. ½ size pkts., 15c; 2 pkts., 25c; 10 pks., 75c. Burpee's Earliest of All, per oz., 10c; ¼ lb., 30c; per lb., $1. W. Atlee Burpee & Co., Philadelphia.

Seeds, L. C. Nungesser, Griesheim near Darmstadt, Germany, exporter and importer. Specialties: Selected grass and clover seeds, alfalfa of Provence and Turkestan; free from dodder and cuscuta. Crimson clover.

Seeds, Suhr's genuine Danish Cauliflower, Dwarf Erfurter and Danish Giant; Cabbage, Danish Ball Head. Wholesale only. Write for particulars. S. Suhr, Copenhagen, Denmark.

Seeds, cineraria, large fld., mixed and semi-dwf. mixed, tr. pkt., 50c. Pansy mixed, oz., $4.50; ¼-oz., $1.15; ⅛-oz., 60c. W. C. Becker, 103 Federal St., Allegheny, Pa.

Seeds, mignonette, New York Market. Sweet peas, pink and white. Tomato, The Don, Stirling Castle. Weeber & Don, 114 Chambers St., New York.

Seeds, Araucaria imbricata, $10 per 1,000. Funtumia elastica, $5 per 1,000. Jules Van Mol, rue Goffart 27, Brussels, Belgium.

Seeds, all kinds, specialties, onion, carrot, lettuce, sweet peas. Pacific Seed Growers' Co., 109 Market St., San Francisco.

Seeds, cabbage and cauliflower. Hjalmar Hartmann & Co., 12 Stormgade, Copenhagen, 31 Barclay St., New York.

Seeds, Asparagus plumosus, per oz., $1; per lb., $14; 5 lbs., $55; 10 lbs., $100. F. G. Taylor Seed Co., Glendale, Cal.

Seeds, Hollyhock, Myosotis, Pansies, all seeds. Hasslach & Roumanille, seed growers, St. Remyde Provence, France.

Seeds, all kinds of vegetable and flower seeds. C. C. Morse & Co., 171 Clay St., San Francisco.

Seeds, Asparagus plumosus, $3.50 per 1,000 seeds. J. M. Thorburn & Co., 33 Barclay St., New York.

Seed, Pandanus utilis, $6 per 1,000 seeds. J. M. Thorburn & Co., 33 Barclay St., New York.

Seeds of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Seeds, Snowball cauliflower. R. Wiboltt, Nakskov, Denmark.

Seeds. W. Atlee Burpee Co., Philadelphia, Pa.

SELAGINELLAS.

Selaginella Denticulata, 3-in., $1 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

SMILAX.

Smilax, 2-in., strong, $1 per 100; $9 per 1,000. C. Humfeld, Clay Center, Kan.

Smilax, 3-in., $4 per 100; $35 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Smilax, $2 per 100; $15 per 1,000. R. Vincent, Jr. & Son, White Marsh, Md

Smilax, 3-in., $2.50; 2¼-in., $2. W. H. Gullett & Sons, Lincoln, Ill.

Smilax. Wood Bros., Fishkill, N. Y.

If you do not find what you need in our Ready Reference Department, write us about it.

Smilax, field clumps, $3 per 100. Nathan Smith & Son, Adrian, Mich.

SPIREAS.

Spirea Van Houttei. W. & T. Smith Co., Geneva, N. Y.

Spireas. Jacs Smits, Ltd., Naarden, Holland.

STEVIAS.

Stevia, fine large plants, 6-in., 20c; 7-in., 25c; 8-in., 30c. Thos. Salveson, Petersburg, Ill.

VERBENAS.

Verbenas, 60 named vars., Rooted cuttings, 75c per 100; $6 per 1,000. Plants, $2.50 per 100; $20 per 1,000. J. L. Dillon, Bloomsburg, Pa.

VINCAS.

Vinca Minor, Hardy periwinkle, good clumps, $1.50 per 100; $10 per 1,000. The E. Y. Teas Co., Centerville, Ind.

Vinca Var., rooted cuttings, $1 per 100; $7.50 per 1,000. Holton & Hunkel Co., Milwaukee, Wis.

Vinca Var., 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

Vinca Var., from field, $5 per 100. Jos. H. Cunningham, Delaware, O.

VIOLETS.

Violets, Gov. Herrick, new single violet, good keeper; rooted cuttings, $2 per doz.; $10 per 100; $75 per 1,000; 5,000 or more, $60 per 1,000. H. R. Carlton, Willoughby, O.

Violets, Princess of Wales, field-grown, 4c. M. Kohankie, Painesville, O.

Violets, California, large clumps, $5 per 100. J. W. Dunford, Clayton, Mo.

Violets. Wood Bros., Fishkill, N. Y.

WISTARIAS.

Wistaria Magnifica, 3-yr., strong, $3 per 100. The E. Y. Teas Co., Centerville, Ind.

WHOLESALE CUT FLOWERS.

Commission Dealers.

Allen, J. K., 106 W. 28th St., New York.

Amling, E. C., 32-36 Randolph St., Chicago.

Berning, H. G., 1402 Pine St., St. Louis.

Cleveland Cut Flower Co., 215 Huron road, Cleveland, O.

Deamud, J. B., Co., 51 Wabash Ave., Chicago.

Flower Growers' Market, 60 Wabash Ave., Chicago.

Ford Bros., 48 W. 28th St., New York.

Froment, Horace E., 57 W. 28th St., New York.

Guttman, Alex. J., 43 W. 28th St., N. Y.

Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Henshaw, A. M., 52 W. 28th St., New York.

Horan, Edward C., 55 W. 28th, N. Y.

Hunt, E. H., 76 Wabash Ave., Chicago.

Kennicott Bros. Co., 40-44 Randolph St., Chicago.

Kessler, Phil. F., 55 W. 26th St., N. Y.

Kuehn, C. A., 1122 Pine St., St. Louis.

Langjahr, Alfred H., 55 W. 28th St., New York.

McCullough's Sons Co., J. M., 316 Walnut St., Cincinnati, O.

McKellar, Chas. W., 51 Wabash Ave., Chicago.

McKissick, W. E., 1221 Filbert St., Philadelphia.

Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Murdoch, J. B. & Co., 545 Liberty Ave., Pittsburg, Pa.

N. Y. Cut Flower Ex., Coogan Bldg., 6th Ave. and W. 26th St., New York.

Niessen Co., Leo, 1217 Arch St., Phila.

Pennock-Meehan Co., 1608-18 Ludlow St., Philadelphia.

Pittsburg Cut Flower Co., Ltd., 504 Liberty Ave., Pittsburg, Pa.

Pittsburg Florists' Exchange, 217-223 Diamond St., Pittsburg, Pa.

Pollworth, C. C. Co., Milwaukee, Wis.

Randall, A. L. Co., 19 Randolph St., Chicago.

Raynor, John I., 49 W. 28th St., N. Y.

Rice Bros., 128 N. 6th St., Minneapolis, Minn.

Seligman, John, 56 W. 26th St., N. Y.

Sheridan, Walter F., 39 W. 28th St., New York.

Traendley & Schenck, 44 W. 28th St., New York.

Vaughan & Sperry, 58-60 Wabash Ave., Chicago.

Welch Bros., 226 Devonshire St., Boston.

Winterson, E. F. Co., 45-49 Wabash Ave., Chicago.

Young, A. L. & Co., 54 W. 28th St., New York.

Young, Thos., 43 W. 28th St., N. Y.

Zech & Mann., 51 Wabash Ave., Chicago.

Growers.

Bassett & Washburn, 76-78 Wabash Ave., Chicago.

Benthey-Coatsworth Co., The, 35 Randolph St., Chicago.

Bruns, H. N., 1409-1411 W. Madison St., Chicago.

Budlong, J. A., 37-39 Randolph St., Chicago.

Chatogue Greenhouses, Mobile, Ala.

Elliott, W. H., Brighton, Mass.

Hill, The E. G. Co., Richmond, Ind.

Jensen & Dekema, 674 W. Foster Ave., Chicago.

Muskogee Carnation Co., Muskogee, I. T.

Peacock Dahlia Farms, Atco, N. J.

Poehlmann Bros. Co., 35-37 Randolph St., Chicago.

Reinberg, Peter, 51 Wabash Ave., Chicago.

Sinner Bros., 60 Wabash Ave., Chicago.

Weiland & Risch, 59 Wabash Ave., Chicago.

Wietor Bros., 51 Wabash Ave., Chicago.

Wilcox, J. F., Council Bluffs, Iowa.

Wittbold, Geo. Co., 1657 Buckingham Place, Chicago.

RETAIL CUT FLOWERS.

Atlanta Floral Co., 41 Peachtree St., Atlanta, Ga.

Bertermann Bros. Co., 241 Massachusetts Ave., Indianapolis, Ind.

Breitmeyer's Sons, John, cor. Miami and Gratiot Aves., Detroit, Mich.

Cooke, George H., Connecticut Ave. and L St., Washington, D. C.

Daniels & Fisher, Denver, Col.

Donohoe, W. H., 2 W. 29th St., N. Y.

Eyres, H. G., 11 N. Pearl St., Albany, N. Y.

Gude, A. & Bro., 1214 F St., Washington, D. C.

Hansen, Mrs. M. A., Galveston, Tex.

Hauswirth, P. J., Audit. Annex, Chi.

Hess & Swoboda, 1415 Farnum St., Omaha, Neb.

Holm & Olson, St. Paul, Minn.

Keller, J. B., Sons, 25 Clinton St., Rochester, N. Y.

Kellogg, Geo. M., 906 Grand Ave., Kansas City, Mo.; also Pleasant Hill, Mo.

Lange, A., 40 E. Madison St., Chicago.

Livingston Seed Co., Columbus, O.

Matthews, 16 W. 3rd St., Dayton, O.

Mayberry & Hoover, 1339 14th St., N. W., Washington, D. C.

Miller, Theo., 4832 Delmar Blvd., St. Louis, Mo.

Mills The Florist, 36 W. Forsyth St., Jacksonville, Fla.

Murray, Samuel, Coates House Con., 1017 Broadway, Kansas City, Mo.

Park Floral Co., The, Denver, Col.

Palmer's, Buffalo, N. Y.

Schulz, J., 644 4th Ave., Louisville, Ky.

Virgin, Uriah J., 833 Canal St., New Orleans, La.

Weber, Fred C., 4320-28 Olive St., St. Louis, Mo.

Wilcox, J. F., Council Bluffs, Iowa.

Wilson, Robt. G., Fulton St. and Greene Ave., Brooklyn, N. Y.

BOILERS.

Boilers, improved greenhouse boilers, made of best material; shell firebox sheets and heads of steel; water space all around (front, sides and back). Kroeschell Bros. Co., 45 Erie Street, Chicago.

Boilers, Gurney heaters, heat by steam or hot water. Gurney Heater Mfg. Co., 111 5th Ave., New York; 74 Franklin St., Boston.

Boilers, the Burnham boilers, made for greenouse heating. Lord & Burnham Co., 1133 Broadway, New York.

Boilers, corrugated, fire box and sectional, greenhouse heating. Hitchings & Co., 1170 Broadway, New York.

Boilers, boilers of high grade for greenhouses. Steam and hot water. Giblin & Co., Utica, N. Y.

Boilers of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Boilers, water tube steam boilers. King Construction Co., N. Tonawanda, N. Y.

Boilers, write for prices. Johnston Heating Co., 1133 Broadway, N. Y.

Boilers, Myers & Co., 1122 Betz Bldg., Philadelphia.

BOXES.

Cut Flower Boxes, ivy green finish, full assortment. Lots of 500 with printing no extra charge. Ask for sample. The Barteldes Seed Co., Denver, Col.

Cut Flower Boxes, water-proof; corner lock style. No charge for printing on orders above 250 boxes. Livingston Seed Co., Columbus, O.

Cut Flower Boxes; send for prices. Edwards Folding Box Co., Philadelphia, Pa.

BUILDING MATERIAL.

Building material, lumber for greenhouse benches. Ship lap, drop siding, sheathing, flooring, white cedar posts, etc. We are in special position to furnish "Pecky Cypress"; everything in pine and hemlock building lumber. Adam Schillo Lumber Co., cor. Weed and Hawthorne Sts., Chicago.

Building Material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouses and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building Material, cypress sash bars, Tennessee red cedar posts, pecky cypress benches, hotbed sash and frames, ventilating apparatus, pine, fittings and all supplies needed in new or reconstruction work. Foley Mfg. Co., 471 W. 22d St., Chicago.

Building Material. Our designs embody best features of greenhouse construction. Best grade gulf cypress used. Red cedar posts, iron fittings, hotbed sash. Lockland Lumber Co., Lockland, Ohio.

Building Material, cypress sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 111-125 Blackhawk St., Chicago.

Building Material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 617 Sheffield Ave., Chicago.

Building Material for U-Bar greenhouses. Pierson U-Bar Co., Metropolitan Bldg., 4th Ave. and 23d St., N. Y.

Building Material of all descriptions, cold frames, hotbed sash, etc. Lord & Burnham Co., 1133 Broadway, N. Y.

Building Material, cold frames, hotbed sash of every description. Hitchings & Co., 1170 Broadway, New York.

Greenhouse materials of all kinds for greenhouse heating. Johnston Heating Co., 1133 Broadway, New York.

If you do not find what you need in our Ready Reference Department, write us about it.

Building material of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Building Material of all kinds. S. Jacobs & Sons, 1365-79 Flushing Ave., Brooklyn, N. Y.

CONCRETE MACHINES.

Ideal Concrete Machines for concrete block construction. Ideal Concrete Machinery Co., South Bend, Ind.

CUT FOLWER HOLDER.

"Japana" flower holder, 4½-in., 50c; 3½-in., 35c; 2½-in., 25c. M. V. Garnsey, 131 So. Waiola Ave., La Grange, Ill.

FERTILIZERS.

A sample 100-lb. bag of BLATCHFORD'S PLANT GROWER AND LAND RENOVATOR FERTILIZER only $2.75. It is composed solely of pure Rose Growers' Bone Meal, Nitrate of Soda, Peruvian Guano, Sulphate of Ammonia, Sulphate of Potash and Gypsum, in the correct proportions. For benches and potting plants, roses, carnations, lilies, 'mums, etc., it has never been surpassed. Address

THE BARWELL AGRICULTURAL WORKS,
WAUKEGAN, ILL.

Est. at Leicester, England, in 1800.

Wizard Brand pulverized sheep manure. The Pulverized Manure Co., 32 Exchange Ave., Chicago.

GLASS.

Glass importers and jobbers; greenhouse glass a specialty. Window glass. James H. Rice, corner Michigan, St. Clair and Illinois Sts., Chicago.

Glass, plate and window glass, greenhouse glass a specialty. Sprague-Smith Co., 167-169 Randolph St., Chicago.

Glass, a lot of 16x18 A and B double strength at low price. A. Dietsch Co., 617 Sheffield Ave., Chicago.

Glass, window glass. Greenhouse glass a specialty. H. M. Hooker Co., 59 W. Randolph St., Chicago.

Glass, French and American "White Rose" brand. Stenzel Glass Co., 2 Hudson St., New York.

Glass, all sizes. Metropolitan Material Co., 1398 Metropolitan Ave., Brooklyn, N. Y.

Glass, all kinds and sizes. Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.

Glass, special greenhouse. G. F. Reynolds, Durhamville, N. Y.

GLAZING POINTS.

Glazing Points, see the point? Holds glass firmly. Peerless glazing points are the best. No rights or lefts. Box of 1,000 points, 75c, postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

GOLD FISH.

Gold Fish, Comets, Japanese Fantails, Fringetails, Telescopes, etc. Fish globes and aquariums. The J. M. McCullough's Sons Co., 316 Walnut St., Cincinnati, O.

Goldfish aquaria and aquarium supplies. Fred. Kaempfer, 88 State St., Chicago.

GREENHOUSE CONSTRUCTION.

Greenhouse Construction, builders of greenhouses for private estates, institutions, parks, etc. Pierson U-Bar Co., Metropolitan Bldg., 4th Ave. and 23d St., New York.

Greenhouse Construction, sash bar greenhouses. New Truss construction and iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse Construction, builders of every type of greenhouses; the most modern designs. Hitchings & Co., 1170 Broadway, N. Y.

Greenhouse Construction, builders of modern greenhouses. Myers & Co., 1122 Betz Bldg., Philadelphia.

GUTTERS.

Gutters, Jennings, improved iron gutters. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

Gutters, Garland's gutters will keep snow and ice off your glass. A sample of our gutter is on exhibition at Chicago Flower Growers' Market. Geo. M. Garland, Des Plaines, Ill.

Gutters, Lord & Burnham Improved V-shape gutter, with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

Gutters, new duplex gutter, only drip-proof gutter on the market. E. Hippard, Youngstown, O.

INSECTICIDES.

Insecticides, Nicoteen Aphis Punk, 60c per box 12 sheets; $6.50 per case of 12 boxes. Nikoteen Liquid, $1.50 per pint; $13 per case of 10 pints. Nicotine Mfg. Co., St. Louis, Mo.

Insecticides, tobacco paper, 24 sheets, 75c; 144, $3.50; 288, $6.50; 1,725, $35.10. Nico-Fume Liquid, pint, $1.50; ½ gal., $5.50; gal., $10.50; 5 gal., $47.25. Kentucky Tobacco Product Co., Louisville, Ky.

Fumigating Supplies, vaporizing pans for tobacco extract, improved. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

Insecticides, Carman's Antipest insecticide and fungicide, $1.50 per gal. Perfection Chem. Co., Flushing, N. Y.

Wilson's Plant Oil for all kinds of plants. In 4-oz. to 1-gal. sizes. Andrew Wilson, 437 Springfield Ave., Summit, N. J.

Insecticide, Nicoticide, Bug Killer, the best bug killer and bloom saver. P. R. Palethorpe Co., Louisville, Ky.

Fumigating Supplies, tobacco dust for fumigating. Edwin L. Koppelman & Co., 81 Pine St., New York.

Fine, pure tobacco dust $2 per cwt.; $30 per ton. Wm. C. Smith & Co., St. Louis, Mo.

Fumigating Supplies, tobacco powder and stems. The H. A. Stoothoff Co., 116 West St., New York.

LAWN MOWERS.

Lawn Mower. The Clipper lawn mower, No. 1, 12-in., $5; No. 2, 15-in., $6; No. 3, 18-in., $7; No. 4, 21-in., $8. Draft, money order or reg. letter. Clipper Lawn Mower Co., Dixon, Ill.

METAL DESIGNS.

Metal Designs. We carry largest stock in west. Quick service. Western florists like our goods. Barteldes Seed Co., Denver, Col.

Metal signs, send for prices. A. Herrmann, 404-12 E. 34th St., New York.

MISCELLANEOUS.

Engravings, best engravings and illustrations of every description for catalogues. Send for estimates. Globe Eng. & Elec. Co., 427 Dearborn St., Chicago.

Printing, large runs of catalogues a specialty. Write for figures. Regan Printing House, 89-91 Plymouth Place, Chicago.

Florists' overdue accounts and bad debts collected by the National Florists' Board of Trade, 56 Pine St., N. Y.

PAINT, PUTTY, ETC.

Paint, Ideal Greenhouse Lead; Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, N. Y.

Paint, Putty, etc. H. M. Hooker Co., 59 W. Randolph St., Chicago.

Paint, Putty, etc. The Jas. H. Rice Co., 80-82 Wabash Ave., Chicago.

PIPE, FITTINGS, ETC.

Pipe, iron fittings, etc., galvanized iron sash hinges, screw eyes, screw hooks, U bolts, galvanized iron buckles and wires. Fittings for purlin and ridge supports. Foley Mfg. Co., 471 W. 22d St., Chicago.

Iron Fittings, patent iron bench fittings and roof supporters. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

Pipes, valves, fittings of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

A Bargain, 4-in. cast iron pipes, 5 foot lengths at 12c per foot. C. C. Pollworth Co., Milwaukee.

Iron Fittings, etc.; send for prices. Lockland Lumber Co., Lockland, O.

POTS, PANS, ETC.

Pots, standard flower, 1½ in., $2.77 per 1,000; 2-in., $3.33; 2½-in., $3.88; 3-in., $5.27; 3½-in., $6.10; 4-in., $7.77; 4½-in., $10; 5-in., $13.60; 6-in., $22.20; 7-in., $4 per 100; 8-in., $6; 9-in., $8.88; 10-in., $13.33; 12-in., $22.22; 14-in., $38.88; 16-in., $66.66; 20-in., $1.25 each. Azalea pots and bulb pans same price. 2x2½ in. rose pots, $3.50 per 1,000. A. F. Kohr, 1521 N. Leavitt St., Chicago.

Eastern Red Pots, standard. We buy in car lot. You will be pleased with our stock. Ask for price list. Barteldes Seed Co., Denver, Col.

Pots, standard, seed pans, cut flower cylinders, hanging baskets, lawn vases, etc. Hilfinger Bros. Pottery, Ft. Edward, N. Y.

Pots, standard flower pots. The Whildin Pottery Co., Philadelphia, Pa.; Jersey City, N. J.; Long Island City, N. Y.

Pots, before buying write for prices. Geo. Keller & Son, 361-63 Herndon St., near Wrightwood Ave., Chicago.

Pots, red standards, full size and wide bottoms. Detroit Flower Pot Mfy., 490 Howard St., Detroit, Mich.

Pots, pots of all kinds. A. H. Hews & Co., No. Cambridge, Mass.; Long Island City, N. Y.

Pots, red standard, azalea pots. The Keller Pottery Co., 213-223 Pearl St., Norristown, Pa.

Pots, red standard. Paducah Pottery Co., Paducah, Ky.

Pots, all sizes. Ionia Pottery Co., Ionia, Mich.

Pots, Syracuse, red. Syracuse Pottery Co., Syracuse, N. Y.

Pot hangers, Kramer's $1 doz. by exp., $1.25 by mail. I. N. Kramer & Son, Cedar Rapids, Ia.

PUMPING ENGINES.

Pumping Engines, two streams of water for 1 hour cost 2 cents if you use a Standard pumping engine. The Standard Pump & Engine Co., Cleveland, O.

RAFFIA.

Raffia, samples free if you mention the American Florist. Large assortment of colors. R. H. Comey Co., Camden, N. J., 810-24 Washburn Ave., Chicago.

SEED CASES.

Seed cases, Heller's mice proof. W. C. Heller & Co., Montpelier, O.

STEAM TRAPS.

Steam Traps, the Standard return steam trap has no equal for its simplicity of working. E. Hippard, Youngstown, O.

Steam traps, Morehead Return Morehead Mfg. Co., 1047 Grand River Ave., Detroit, Mich.

SUPPLIES.

Supplies, milkweeds, wire designs, cut wire, all kinds of letters, immortelles, cycas leaves, sheaves of wheat, ribbons, corrugated boxes of all kinds. Henry M. Robinson & Co., 8-11 Province St., Boston, Mass.

Supplies, cape flowers, cycas leaves, metal designs and all florists' supplies. A. Herrmann, 404-12 E. 34th St., New York.

Supplies, importers and manufacturers of florists' supplies. L. Baumann & Co., 78 Wabash Ave., Chicago.

Supplies, importers and manufacturers of florists' supplies. Reed and Keller, 122 W. 25th St., New York.

Supplies, wire designs, etc. The Cleveland Cut Flower Co., 215 Huron road, Cleveland, O.

Supplies, wire designs. Pittsburg Florists' Ex., 228 Diamond St., Pittsburg, Pa.

Supplies, flower baskets, novelties. Riessner Bros., Lichtenfels, Bavaria.

If you do not find what you need in our Ready Reference Department, write us about it.

Los Angeles.

Flowers are beginning now to be plentiful, such as indoor carnations, roses and lily of the valley, and there is a fair demand for same. Chrysanthemums are poor, owing to a heavy wind we had last week. Violets, just beginning to come in the market, are poor owing to the warm weather we have been having during the last month.

J. W. Wolfskill will open up a handsome floral palace on Fourth street, two doors east of Wright's Flower Shop, about the middle of November and from what has been seen of the plans of the interior of the store, it will be one of the finest stores in the west or middle west.

The florists of this city were kept very busy October 20 and 21 on funeral work for one of our leading bankers, H. W. Hellman. There were in the neighborhood of 217 pieces of all descriptions and from the writer's observation J. W. Wolfskill got the bulk of the work.

Chas. W. Reimers, formerly of Louisville, Ky., but now of this city, says "No more florist business for me." He is wrapped up in buying and selling Los Angeles real estate.

Mr. Weizel of Barteldes & Co., Denver, Col., is in the city looking up business for his firm. O.

Prescott, Ariz.

With the return of the fall season, the florists' business is improving, although there is considerable done all through the summer on account of this place being quite a summer resort. This is due to its high altitude and cool, dry climate. Through the winter social season the Whipple military post nearby makes a considerable additional demand for flowers. The leading home-grown flowers for the trade are violets, sweet peas and Shasta daisies. There is also a considerable market for roses. Other flowers are largely imported from California.

Mrs. H. E. Armitage, the wife of a prominent mining man, has built up a good floral business in an amateur way—or, it would be more correct to say, that the business has come to her of itself. She handles the leading kinds of local grown flowers in season and does a considerable importing business from California, especially through the winter. Carnations are prominent among the flowers imported. Mrs. Armitage has one greenhouse.

Mrs. W. N. Kelly has three greenhouses. She prides herself on her cut work and floral designs.

C.

Patience.

A clergyman in the country was nailing a creeper to a piece of trellis work near his front gate, when he noticed that a boy was intently watching him.

"Well, my young friend," he said, "are you looking out for a hint or two on gardening?"

"No," said the boy, "I am waiting to hear what a parson says when he hammers his thumb."—New York Herald.

WINANDY BROS.

Greenhouse Builders,

3730 N. Lincoln Street, Rogers Park Station, **CHICAGO.**

Write for our estimates.

SPECIAL

Greenhouse Glass

Write for prices.

G. F. REYNOLDS, Durhamville, N. Y.

NIKOTEEN APHIS PUNK

THE ORIGINAL AND GENUINE

NICOTINE FUMIGANT

STRONGEST AND MOST UNIFORM

PRICE 60¢ PER BOX OF 12 LONG SHEETS

$6.50 PER CASE OF 12 BOXES

NIKOTEEN

LIQUID

FOR SPRAYING OR VAPORIZING

PRICE $1.50 PER PINT BOTTLE.

$13.00 PER CASE OF 10 PINT BOTTLES.

NICOTINE MFG. CO. ST. LOUIS MO.

THE BLACK STUFF FINE TOBACCO

FOR DUSTING IS GROUND VERY FINE FROM THE HEAVY PURE LEAF

LET US TELL YOU ABOUT IT.

THE H·A·STOOTHOFF CO. 116 WEST ST. NEW-YORK

Starved Rose Bushes Never Bloom

And the successful florist wants more than ordinary bloom and stunted stem—he wants all there is in the soil, the bush, the stem, the bloom.

DON'T STARVE THE ROOTS.

Put away your bushes this fall with plenty of fall and spring food for the roots. The richest root food, stem and bloom producer you can use is

Wizard Brand Pulverized Sheep Manure

It goes further than any other fertilizer and costs less. No waste—no refuse or seeds.

Special prices to florists and greenhouse operators. Write for booklet.

THE PULVERIZED MANURE COMPANY,

32 Exchange Ave., CHICAGO

A HOLLY WREATH FOR HOLIDAY CIRCULARS AND ADVERTISING : : : :

Plates for printing this fine Holly Wreath in two colors—green leaves and red berries and ribbon—$5.00 per set of two plates.

Smaller size, 2x2½ inches, $3.00 per set of two plates.

Plate of above sizes for one color, $2.70. The smaller size, one color, $1.50.

Cash with order.

American Florist Company,

324 Dearborn Street, CHICAGO.

The Whilldin Pottery Co.

STANDARD FLOWER POTS

Our output of Flower Pots is larger than any concern in the World
Our Stock is always Large and Complete

Main Office and Factory,

713 WHARTON STREET, PHILADELPHIA

Warehouses: JERSEY CITY N J. LONG ISLAND CITY. N. Y.

POT MAKERS FOR 140 YEARS

A. H. HEWS & CO. INC. CAMBRIDGE, MASS.

FLORIST WARE OF EVERY KIND

CLIPPER LAWN MOWER CO. DIXON ILL.

The Mower that will **kill all the Weeds in your Lawn.** If you keep the weeds cut so they do not go to seed and cut your grass without breaking the small feeders of roots, the grass will become thick and the weeds will disappear.

The Clipper will do it. Ask your dealer for them. If they have not got them, below is the price: No. 1—12-inch Mower $5; No. 2—15-inch Mower, $6; No. 3—18-inch Mower, $7; No. 4—21-in. Mower, $8. Send draft, money-order or reg. letter.

THE BEST Bug Killer and Bloom Saver.

For **PROOF** Write to

P. R. PALETHORPE COMPANY,

LOUISVILLE, KY.

GEO. KELLER & SON,

MANUFACTURERS OF

FLOWER POTS.

Before buying write for prices.

361-363 Herndon Street, near Wrightwood Ave., CHICAGO, ILL.

Those Red Pots

"STANDARDS"

FULL SIZE AND WIDE BOTTOMS, BULB PANS AND AZALEA POTS.

DETROIT FLOWER POT M'F'Y.

HARRY BALSLEY, Rep. DETROIT, MICH. 490 Howard St.

THE KELLER POTTERY COMPANY,

Manufacturers of FLORISTS' RED STANDARD POTS.

Azalea Pots, Bulb and Fern Pans, Etc.

Write for Price List. 213-15-17-19-21-23 Pearl St., NORRISTOWN, PA.

IONIA POTS.

STRONG POROUS DURABLE

In potting you will appreciate their smooth, well rounded edges. And this is but one of the many reasons why **IONIA POTS,** by superior merit alone have won a lasting place in the hearts of all our patrons. Remember us with your next order.

IONIA POTTERY COMPANY, Ionia, Mich.

Standard Flower Pots!

Packed in small crates, easy to handle.

		Price per crate			Price per crate
1500	2-in., in crate,	$4 88	120	7-in., in crate,	$4 20
1500	2¼ "	5.25	60	8 "	3.00
1500	2½ "	6.00		HAND MADE.	
1000	3 "	5.00	48	9-in., in crate,	$3.60
800	3½ "	5.80	48	10 "	4.80
500	4 "	4.50	24	11 "	3.60
320	5 "	4 51	24	12 "	4.80
144	6 "	3.16	12	14 "	4.80
			6	16 "	4.50

Seed pans, same price as pots. Send for price list Cylinders for Cut Flowers, Hanging Baskets, Lawn vases, etc. Ten per cent off for cash with order. Address

HILFINGER BROS. POTTERY, Fort Edward, N. Y
or AUGUST ROLKER & SONS, New York Agents,
31 Barclay Street, New York City.

CUT FLOWER BOXES

WATERPROOF Corner Lock Style.

The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always. Per 100 Per 1000

Size No.				
0.	3x 4x20	$2.00	$19.00
1.	3x 4½x16	1.90	17.50
2.	3x 6x18	2.00	19.00
3.	4x 8x18	2.50	23.00
4.	3x 5x24	2.75	26.00
5.	4x 8x22	3.00	28.50
6.	4x 8x28	3.75	36.00
7.	6x16x20	5.50	54.00
8.	3x 7x21	3.00	28.50
9.	5x10x35	6.50	62.00
10.	7x20x20	9.50	67.50
11.	3½x5x30	3.00	28.50

Sample free on application. No charge for printing on orders above 250 boxes. Terms cash.

THE LIVINGSTON SEED COMPANY,
Box 104, COLUMBUS, OHIO.

Please mention the American Florist when writing.

Red Standard Flower Pots

Price list and samples on application.

PADUCAH POTTERY CO., Inc.

PADUCAH, KENTUCKY.

Please mention the American Florist when writing.

STANDARD FLOWER POTS

No Charge for Crates or Packing.

Inches	per 1000	Inches	per 100
1½	$ 2.77	7	$ 4.00
2	3.33	8	6.00
2½	3 88	9	8.88
3	5.27	10	13.33
3½	6.10	12	22.22
4	7.77	14	38 88
4½	10.00	16	66.66
5	13 60	20	each, 1.25
6	22.20		

Azalea Pots and Bulb Pans same as **Standard Pots.** 2 and 2½ in Rose Pots, $3.50 per 1000. These pots are **carefully made,** very strong and porous. Liberal count is given, thereby protecting our patrons against possible breakage. **Above prices subject to 10 per cent. discount for cash.**

A. F. KOHR. 1521-23-25 N. Leavitt St, **Chicago.**

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO

MANUFACTURERS

PHILADELPHIA, PA.

Use Wilson's Plant Oil

NO ALKALI. NOTHING DELETERIOUS. DRIES AT ONCE.

RUTHERFORD, N. J., June 28, 1906.

We have thoroughly tried your Plant Oil with very striking results. We may say this is the first insecticide we have tried on our palms that will remove the scale with the first application. We would like to say this is one of the few things that the florists cannot afford to be without especially those who are growing palms and other decorative plants After one application of your oil the plants take on an entirely new appearance. We would be pleased to have prospective buyers visit our nurseries and inspect the palms on which we have used your oil. BOBBINK & ATKINS.

NEW YORK BOTANICAL GARDEN, Bronx Park, New York City, September 5, 1906.

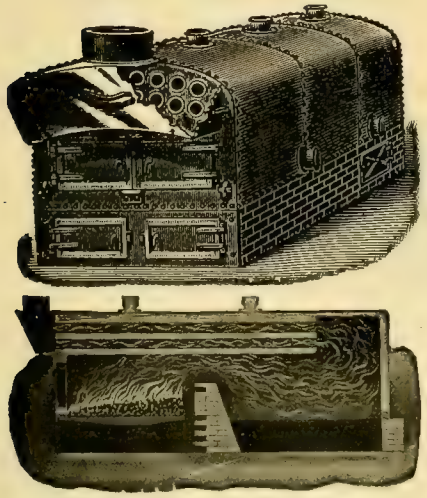
MR. ANDREW WILSON:—Having used your insecticide here, I can testify to its efficiency in destroying scale and other insects infesting plants.
Yours very truly, GEO. A. SKENE.

FOR FLORISTS AND HOUSEHOLDERS

Put up in cans and bottles. Size: 4 oz. to 1 gal. Send for circular, testimonials and trade prices.

ANDREW WILSON. 437 Springfield Ave., Summit, N. J.

KROESCHELL BROS. CO.
IMPROVED
Greenhouse Boiler
45 Erie Street, CHICAGO.



Boilers made of Steel Boiler Plate; shell, firebox sheets and heads of steel; water space all around front, sides and back. Write for information.

SPRAGUE, SMITH CO.
JOBBERS AND MANUFACTURERS OF
Window Glass.
GREENHOUSE GLASS
A SPECIALTY.
167-169 Randolph St., CHICAGO.

L. BAUMANN & CO.,
Importers and Manufacturers of
Florists' Supplies.
76-78 Wabash Ave., CHICAGO.
Write for our New Catalogue F. Our prices may interest you.

Gold Fish Aquaria
and Aquarium Supplies.
Write for catalogue.
FRED KAEMPFER
88 State Street, CHICAGO, ILL.
Please mention the American Florist when writing.

For Best Results Advertisers should mail new advertisements and changes so as to reach us on Mondays.

THE LOW PRICE HEATING PLANTS

The Chicago House Wrecking Co. is in position to offer you an interesting proposition for furnishing you with a heating plant at a saving of at least 30%. Send us a sketch of your houses with preferred location of the boiler, the points of compass and the desired night temperature for zero weather, and we will gladly submit you an exact detail quotation of all material required to install the plant. We have ***heaters*** and ***boilers*** of every kind, both new and rebuilt. We have always on hand a large number of rebuilt boilers suitable for greenhouse heating. Our stock embraces ***fire box boilers, horizontal tubular boilers, Kroeschell boilers, cast iron sectional boilers, Erie City economizers*** and other types

We can save you considerable money on ***pipe, valves*** and ***fittings;*** also on ***doors, glass, sash*** and everything needed in the construction of your buildings.

Ask for our Special Catalogue No. 47.

CHICAGO HOUSE WRECKING CO.,
35th and Iron Streets, CHICAGO.

Please mention the American Florist when writing

NICHOLAS WAPLER,
50 Barclay St., NEW YORK,
Manufacturer and Importer
TERRA COTTA
Grass Growing Heads and Animals
in different sizes and designs.
FISH GLOBES, FISH TANKS, AQUARIA,
FRENCH GLASS SHADES. round, oval and square, for covering statues, flowers, clocks and all kinds of ornaments.
Write for catalogue and prices.
IMPORTED CHINA. BOHEMIAN GLASSWARE.

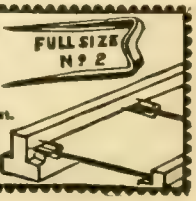
The James H. Rice Co.
IMPORTERS and JOBBERS
GREENHOUSE GLASS
A SPECIALTY.
Window Glass, Paint, Putty, etc.
Office and Warehouse: Corner of Michigan, St. Clair and Illinois Streets, CHICAGO.

Please mention the American Florist when writing.

GREENHOUSE HEATING
Complete heating plants erected or materials furnished with working plans.
Write for prices on **BOILERS.**
JOHNSTON HEATING COMPANY,
St. James Building, 1133 Broadway, NEW YORK.

H. M. HOOKER CO.
Window Glass, Paints and Putty.
Greenhouse Glass a Specialty.
59 W. Randolph St., CHICAGO.
Please mention the American Florist when writing.

Holds Glass Firmly
See the Point
PEERLESS
FULL SIZE No. 2



Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
HENRY A. DREER,
714 Chestnut St., Phila., Pa.

GREENHOUSE MATERIAL

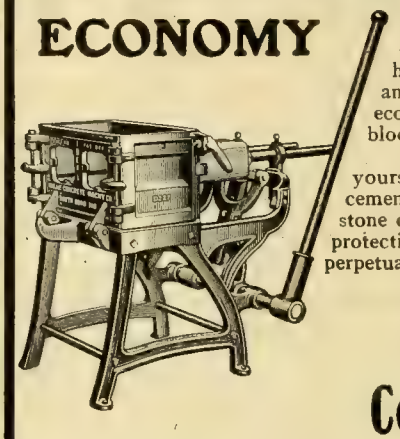
IS THE BEST
WE HAVE LOTS OF IT
SEND FOR SKETCHES
ESTIMATES AND FREE
CATALOGUE
VENTILATING APPARATUS
HOT-BED SASH
FITTINGS &c.

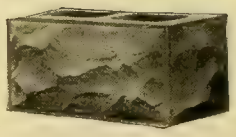
FOLEY MFG. CO.
471 W. 22ND ST.
CHICAGO

If you are having delay in getting your roof material, send your orders TO US and don't be in trouble. We will handle any order in the time agreed. Try us.

FOLEY MANUFACTURING CO.,
471 West 22nd Street, : : CHICAGO.

FROST-PROOF ECONOMY





Ideal Hollow Concrete Block construction will protect your greenhouse from frost and secure greatest economy in fuel. The illustration of hollow block explains it's resistance to frost.

With the Ideal Concrete Machine you can yourself make these blocks from sand, gravel and cement at little cost—far below the cost of brick, stone or lumber. Ideal Blocks not only give frost protection, but are absolutely fire-proof, and effect a perpetual saving in insurance.

IDEAL Concrete Machines

May be operated by any man without previous experience. The process of making blocks is simple as making mortar. Blocks for every building purpose, with plain, tooled, ornamental face or natural stone effect made with the same machine. Simple, durable and adaptable to any size block within capacity.

Our catalogue will show you how to secure frost protection and fuel economy, as well as initial saving over cost of other materials. Write for it and it's freely yours.

IDEAL CONCRETE MACHINERY CO., Dept. Z, South Bend, Ind.

Greenhouse Material of Louisiana Cypress and Washington Red Cedar

GREENHOUSE HARDWARE AND POSTS. PATENT V AND U GUTTERS.

OUR GRADES INVARIABLY THE BEST. OUR PRICES RIGHT.

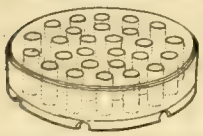
Write for Catalogue and Estimate, when figuring on your new houses.

A. DIETSCH CO., 617 Sheffield Ave., CHICAGO.

Please mention the American Florist when writing.

STENZEL GLASS CO.,
GREENHOUSE GLASS.
French and American "WHITE ROSE" Brand.
2 Hudson St.. . NEW YORK.

THE JAPANA CUT FLOWER HOLDER



A handy article for all florists. **Saves Time and Flowers.**

Made of glass, in three sizes: 4½, 3½ and 2-inch. Catalogues, description, etc., on application.

M. V. GARNSEY, 131 S. Waiola Ave., La Grange, Ill.

Kramer's Pot Hangers

For Sale by Wholesale Seedsmen, Florists and Supply Dealers.

Price, $1.00 per dozen by express. Sample dozen by mail, $1.25.

L. N. Kramer & Son, CEDAR RAPIDS, IOWA.

FLORISTS! Here Is Something That Will

HELP YOU

Our steam trap will save fuel, water, equipment and repairs. This means **Money in Your Pocket.**

MOREHEAD MFG. CO.
1047 Grand River Ave.
DETROIT, - MICH.

Please mention the American Florist when writing

GLASS

GOOD BRANDS.
QUICK SHIPMENTS.
LARGE STOCK.

Warehouse on railroad switch. **Be Sure and Get Our Prices.**

SHARP, PARTRIDGE & CO.,
22nd and Lumber Sts., CHICAGO.

Please mention the American Florist when writing

Carman's Antipest
INSECTICIDE AND FUNGICIDE
For the Garden, Orchard and Greenhouse.
Non-poisonous and harmless to vegetation.

Kills Green Fly, Aphides, Bark Lice, Thrip, Mealy Bug, Red Spider, Scale, Wire Worms, Ants and Slugs.

This is the Grower's Friend, handy to use, cheap and effective, mixes readily in water. Destroys all insect pests and keeps down filth. Circulars on application. **$1.50 per gallon.** Also in quarts, half gallons and in bulk.

PERFECTION CHEMICAL CO.,
FLUSHING, N. Y.

Please mention the American Florist when writing.

GET OUR PRICES ON
Galvanized Wire Rose Stakes and Tying Wire.
IGOE BROTHERS,
Manufacturers of the **Model Plant Supports** for Carnations, Dahlias, Golden Glow, Chrysanthemums and Tomatoes
63-71 Metropolitan Ave., BROOKLYN, N. Y.

A. HERRMANN,
Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florists' Supplies.
SEND FOR PRICES
404-412 East 34th St., NEW YORK.

Trade Directory FLORISTS, SEEDSMEN-NURSERYMEM, Etc.
2.00 Postpaid
AMERICAN FLORIST CO.
224 Dearborn St., CHICAGO.

THE AMERICAN FLORIST

America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXVII. **CHICAGO AND NEW YORK, NOVEMBER 10, 1906.** **No. 962**

THE AMERICAN FLORIST

TWENTY-SECOND YEAR.

Copyright 1906, by American Florist Company. Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

324 Dearborn St., Chicago.

Eastern Office: 1133 Broadway, New York.

Subscription, $1.00 a year. To Europe, $2.00. Subscriptions accepted only from the trade.

Volumes half yearly from August 1904.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—WM. F. KASTING, Buffalo, N. Y., president; H. M. ALTICK, Dayton, O., vice-president; W. J STEWART, 11 Hamilton Place, Boston, Mass., secretary; H. M. BEATTY, Pittsburg, Pa., treasurer. Twenty-third annual meeting at Philadelphia, Pa., August, 1907.

OFFICERS-ELECT—WM. J. STEWART, Boston, Mass., president; JOHN WESTCOTT, Philadelphia, Pa., vice president; P. J. HAUSWIRTH, Auditorium Annex, Chicago, secretary; H. B. BEATTY, Pittsburg, Pa., treasurer.

INTERNATIONAL EXHIBITION—A grand international exhibition will be held with the annual convention at Chicago, November, 1908.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual convention and exhibition at Chicago, November 6-12, 1906. WM. DUCKHAM, Madison, N. J., president; DAVID FRASER, Penn and Homewood Ave., Pittsburg, Pa., secretary.

AMERICAN ROSE SOCIETY.

Annual meeting and exhibition at Washington, D. C., March 13-15, 1907. ROBT. SIMPSON, Clifton, N. J., president; BENJAMIN HAMMOND, Fishkill-on-Hudson, N. Y., secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention and exhibition at Toronto, Canada, January, 1907. JOHN H. DUNLOP, Toronto, Canada, president; ALBERT M. HERR, Lancaster, Pa., secretary.

THE AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

Annual convention at Toronto, Ont., 1907. BYRON D. WORTHEN, Manchester, N. H., president; F. L. MULFORD, Harrisburg, Pa., secretary.

AMERICAN PEONY SOCIETY.

Third annual meeting and exhibition at Ithaca, N. Y., 1907. C. W. WARD, Queens, N. Y., president; A. H. FEWKES, Newton Highlands, Mass., secretary.

Contents, page 746.

Advertising Rates, 746.

Index to Advertisers, 782.

Ready Reference Advts., 783.

THE EXHIBITIONS.

Chrysanthemum Society of America. Horticultural Society of Chicago. Nov. 6-11, 1906. Poehlmanns Win National Cup.

The greatest flower show ever held was the unanimous opinion of all who were competent to judge, on the opening day of our grand exhibition, combining the joint efforts of the Horticultural Society of Chicago and the Chrysanthemum Society of America. In all respects the show is a distinct advance on any previous one. The quality of the plants and cut flowers shown, the number of new and rare varieties, the number of entries and the general fine appearance of the hall, are all better than last year, so what more need be added?

The work of decorating the immense Coliseum building is no light one but it was well carried out in every particular and this part of the show is also an unqualified success. To obtain a full view and get the best idea of the beauty of the show as a whole, one should go into the gallery and look down upon the whole thing from above. The refreshing green banks of palms, ferns and foliage plants, the bright colors of the chrysanthemums and other flowers, the moving spectators examining the exhibits, and the constantly changing hues of the electric fountains in the center of the hall make up an animated and beautiful scene difficult to describe. Never were the trade exhibits so fine and well displayed; the retail florists have excelled themselves in the elegance and richness of their floral booths, while the competitive classes have brought out the finest efforts of the most successful growers and exhibitors in America. It is difficult to particularize when the exhibits are so uniformly excellent, but the competitive classes for 100 blooms of one variety in several different colors, the ornate model gardens by Vaughan's Seed Store, and the immense white Japanese specimen chrysanthemum plant, sent by the Chrysanthemum Society of America, certainly seem to call for more than ordinary mention for they are truly exhibits quite out of the ordinary run of such things.

The chrysanthemums on the first day were truly a grand sight, immense numbers of fine flowers, all well up to exhibition standard being shown. The large vase classes of 100 flowers in each were a distinct success, bringing out a spirited competition and making a grand display. The prize winning white, Fidelity, from Nathan Smith & Son, is a fine long petalled incurving Japanese, its only weak point being a slight disposition to sag in the stem. Alice Byron in the second prize lot, from the E. G. Hill Co., was hardly developed but had grand stiff blooms. Nathan Smith & Son have evidently a fine thing in their new pink Mayor Weaver. It should prove a grand commercial kind owing to its fine build, splendid petals, and great stiff stems. Poehlmann Bros.' grand Colonel Appleton both in the silver cup class and the big vase class, will be remembered for their great excellence and finish. C. H. Totty's 40 blooms in 40 varieties were grand flowers; all that was lacking in this superb exhibit being one or two more dark colors. Bassett & Washburn's Appleton blooms were of the highest quality and Wietor Bros. were well to the front, their vase of the pink Mrs. G. A. Dana being unusually fine. The fine specimen plants were a notable feature of the show, especially the grand specimen sent by the Chrysanthemum Society of America and those exhibited by Vaughan's Seed Store.

Prominent among the newer varieties are Beatrice May a fine solid white, the beautiful white sport from Wm. Duckham exhibited by C. Totty, and Miss Miriam Hankey. A very

large proportion of the better new kinds continue to be sent from European and Australian sources and there is still room for home enterprise in this direction. American sorts are more than holding their own in the commercial varieties, but by far the great majority of the exhibition kinds are imported. Single and pompon varieties are not as freely shown as they might be for these are charming both for growing in pots and for cut flower decorations.

The cut roses on the second day made a grand display. A finer class than that for 100 blooms of American Beauty was never seen in any show. This is the confident opinion of a noted grower and exhibitor. The winning vase by Poehlmann Bros., could not be surpassed, the great length of stem enabling the decorator to arrange them so lightly that each stem and flower could be distinctly seen. The quality and color of the blooms was perfect, a superb exhibit. Liberty beat Richmond all along the line, its grand color and substance being well shown in the superb bunches set up in the various classes by Peter Reinberg. The new sport from Madame Chatenay shown by Poehlmann Bros. is very distinct, and deeper in color. The growth too is even stronger than that of its parent, as seen in Poehlmann Bros.' greenhouses. The E. G. Hill seedling No. 30 is a promising one, the flower full, deep pink, the foliage and stems fine. "The flowers of Lamarque with the foliage of Clothilde Soupert" is how one well known horticulturist sized it up. The Bassett & Washburn candidate is a very beautiful flesh tinted rose, with stiff stems, and deep shining green foliage.

Peter Reinberg's large vase of the now famous Mrs. Marshall Field was much admired. This is certainly a classic among roses. As to the quality of what may be termed the more ordinary roses such as Bride, Bridesmaid, Kaiserin Augusta Victoria and others there is only one word for them. They are excellent in every particular. One thing only we could wish for in this grand rose show, and that is a larger number of competitors. This is in no sense a slight to those who did show, for their flowers were in every case a credit to the names of the exhibitors, and better than this cannot be said.

The orchid display was very fine especially the cut flowers from E. G. Uihlen and the collection of plants from the H. Selfridge and Lincoln park collections. In the latter particularly fine Cattleya labiata, Cypripedium Charlesworthi, C. insigne, C. Leeanum and C. Chamberlainianum were noted. In the cut flower stand Cypripedium Sedeni, C. grande and C. insigne, Vanda tricolor, V. suavis, and Lælia Perrini were very fine as well as some very interesting botanical species.

The show of carnations on the third day was very fine for this season of the year, and so close in point of merit were a number of the exhibits that the judges must have had some difficulty in giving the awards. The newer forms of rose pink Enchantress are fine in color, but the number of new kinds shown was not large. The table decorations were very fine, consisting largely of roses, orchids and lily of the valley. The bouquets for bride and bridesmaid were really beautiful, choice material tastefully arranged being shown. Violets and lily of the valley were not very largely shown but the quality was excellent.

Fine banks of ferns, palms and foliage plants came from the west side, south side, and Lincoln parks, and were much admired by visitors. In each case the plants were well arranged and in good cultural shape. A large specimen of the dwarfed Japanese cedar labeled Thuya obtusa, and said to be 500 years old, was exhibited by J. Rosenwald, Chicago.

The beautiful new Asparagus Crawshawii, exhibited by James Crawshaw, Providence, R. I., is quite distinct from the older A. plumosus nanus. The foliage is deep rich green and owing to the very fine leaflets the fronds have a soft filmy appearance, that will certainly fit it for some decorations where the older form would be unsuitable.

Chas. A. Samuelson.

Chairman of the committee which had charge of the elaborate and highly artistic decorations at the Chicago flower show.

THE RETAILERS' BOOTHS.

These are a decided success, and in point of excellence of material used and originality in design leave nothing to be desired. Many of the booths are exquisitely designed, and many are the encomiums heard both from the public and interested florists.

Kidwell.—A greenhouse fitted up, the sides, roof and back being draped with climbers, and fine Boston ferns are suspended from the roof. Palms occupy the center and sides of the background, and an undulating bank of ferns, Pandanus Veitchii, Ficus pandurata, flowering chrysanthemums in pots and ornamental baskets occupy the central space.

Samuelson.—A decidedly unique and pretty feature of this booth was the cyclamen and Primula obconica in baskets, that were used on the top of the pillars, and on the tables. The front pillars had chains of bay, and inside the booth was a superb exhibit of flowers. American Beauty roses and yellow and white chrysanthemums occupied the side tables, the center table having a fine epergne filled with Oncidium varicosum. From the roof depends an inverted cone of asparagus, and at the back of the booth there are fine palms, with huge vases of white, yellow and pink chrysanthemums in front. This booth is really a triumph of the florists' art and it would be difficult to suggest an improvement on it.

Smyth.—In this booth the roof was hung with southern smilax, and had a background of fine palms. The center table had a fine palm, surrounded with Adiantum Farleyense, with baskets of ferns around and a fringe of asparagus. Fine blooms of white, yellow and pink chrysanthemums were used with excellent effect at the back and sides, and on the outside corners Ciboteum Schiedei and the Boston fern were well displayed.

Eaton Floral Store. — A decidedly novel and pleasing booth was put up by C. H. Grant, consisting of a trellised booth, painted green, and finely lit inside. Very little material was used but so well was this displayed that the effect was most pleasing and effective. The sides were hung with orchids, and festoons of asparagus carried the electric lamps. In the center was a large stone table, and outside fine dracænas and pandanus. At the side a pretty Japanese garden was laid out, with dwarf trees and water, altogether a very artistic and pleasing exhibit.

McAdams.—A pretty booth lightly festooned with smilax. The center table had pink chrysanthemums and asparagus. At the side was a charmingly arranged block of a fine pure white anemone flowered chrysanthemum, pink and white, large flowering sorts being used at the back. An undulating line of Begonia Gloire de Lorraine and Boston fern gave a finish to this booth.

Simmons.—A greenhouse covered with smilax and filled with ferns, palms and flowering pompon chrysanthemums. Some fine Boston ferns and Adiantum Farleyense were shown.

Hobbs Co.—The arrangement of Boston ferns and palms at the back of this booth was really fine, and reflects great credit on the taste of the florist. Baskets of ferns and pompon chrysanthemums were also used with good effect, and the center table of flowers, foliage and small ferns was in excellent taste.

Granger & Gormley.—An attractive booth, hung with southern smilax, and with kentias displayed in appropriate positions. A dining table in center was laid with glass, china and silverware complete, the decorations on the opening night being Killarney roses in the vases, with fronds of adiantum and rose buds on the cloth.

Schiller.—A tastefully arranged booth with palms, pandanus Boston and other ferns, chrysanthemums and basket plants liberally introduced. A chimney piece and grate at the back is prettily covered with ferns and Gloire de Lorraine begonias.

Central Floral Company.—A well arranged exhibit having fine chrysanthemums and roses, with decorated baskets and other objects of the florists' art.

Lange.—A fine open display with

GENERAL VIEW OF INTERIOR OF COLISEUM, CHICAGO, NOVEMBER 6-11, 1906.

palms and the usual variety of ferns well arranged. Killarney roses, single white and anemone flowered chrysanthemums on pedestals had a fine effect.

George Wittbold Company.—This was a grand booth, the decorations carried out in the well known bold style this firm adopts. High in front, the beauty of this booth does not all appear at a casual look. In the center front fine Boston ferns are suspended; graceful kentias at the back overtop Anthurium crystallinum and other fine foliage plants, and excellent cut American Beauty roses. A long table in front is covered with cut orchids, sweet peas, violets, lily of the valley and others, a very choice display.

Frauenfelder.—A well arranged exhibit, the roof of the booth covered with colored oak foliage, a tasteful group of cut flowers palms and foliage plants in front.

Wienhoeber Company.—A thinly furnished and very effective booth, the walls of green cloth serving to show up the vases of fine chrysanthemums, Killarney and Richmond roses and orchids that adorn them. A fine basket of orchids and some exquisite little table plants are also included.

The Model Gardens.

Vaughan's Seed Store.—This was a really superb exhibit, in freshness and color perhaps eclipsing anything else in the show. Two of the columns at the south end of the hall were covered with bark, and branches were attached looking exactly like two large pines. Between these there is a box hedge and walk and the front of the garden is balustraded. The lawn is pierced for flower beds, one on either side being planted with Baby Rambler roses edged with pyrethrum. At the back, a fine group of flowering and foliage plants, backed up with climbers and flanked with various trees and palms was very fine, a number of finely grown French marigolds of the Legion of Honor type and dwarf pot asters brightening up the whole. The whole scheme is well conceived, and carried out with a wonderful perfection of detail.

Porter Nurseries.—A very fine lot of conifers and deciduous trees are shown here and the exhibit is noteworthy as showing what may be done with outdoor material in winter. The plants of Indian coral berry and spindle tree are finely berried, also the various snowberries and privets. Berberis Thunbergi was fine, also the globosa variety of Arbor-vitæ and a variegated Yucca.

Hill's Dundee Nursery.—A very varied and interesting display of conifers. Also a large number of deciduous and fine leaved trees.

Trade Exhibit.

Robert Craig Co., Philadelphia, Pa., put up a very fine and interesting exhibit of foliage plants, including tall handsome specimens of Ficus pandurata, a coming foliage plant, which W. P. Craig says is just about as lasting as an aspidistra; this fact and its undoubted fine appearance will make it very popular. Finely colored crotons, and healthy adiantum and other ferns are well shown, also the lovely little Maranta rosa lineata, with its deep green leaves, striped in a novel manner with bright rose, and the variegated Dracæna Sanderiana. The Otaheite orange, introduced by this firm is in fine shape, one plant in particular being worthy of note as showing how free fruiting the variety is. It is only 24 inches high and is carrying 29 fruits. This elegant and interesting display should not be missed.

The Janesville Floral Co., Janesville, Wis., exhibited a number of small plants of their new Nephrolepis Amerpohlii which is to be distributed by them in 1907. It is certainly a beauty, much the best of the varieties of the Boston fern to date. Perhaps no better description of this remarkable variety can be given than to say it closely resembles the beautiful filmy fern, Todea Africana. It is bound to become very popular.

H. H. Barrows & Son, Whitman, Mass., showed a number of fine plants of Nephrolepis Whitmani, indicating the beauty of this superb variety when grown to large size.

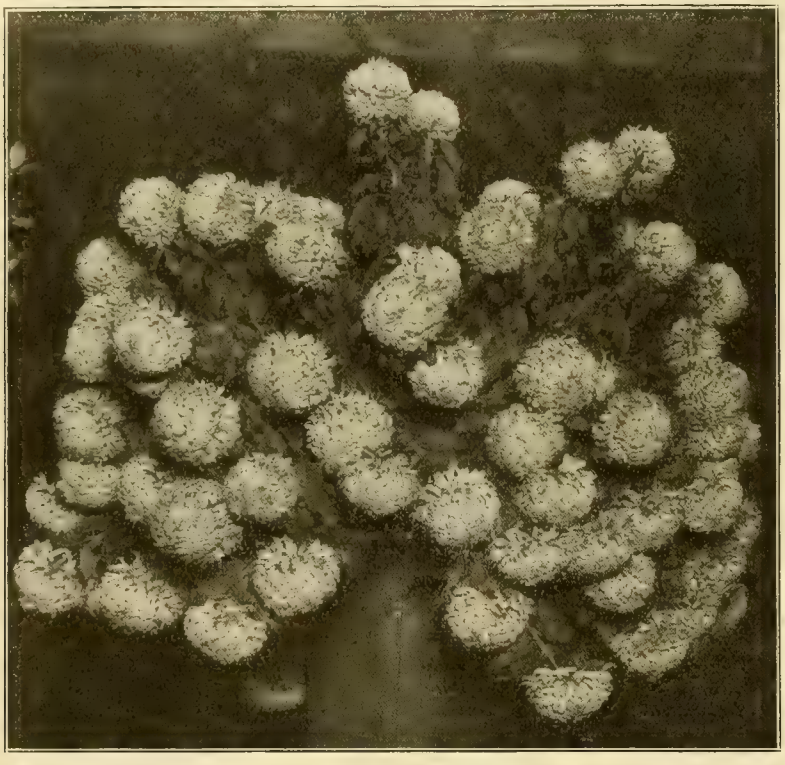
Vaughan's Seed Store has a very varied and choice exhibit of dwarf Japanese trees.

The John C. Moninger Co. had a model greenhouse in a booth and a very interesting collection of shrubs in pots and tubs.

A glass case with various seeds growing on absorbent paper, exhibited by Vaughan's Seed Store, was the center of an interested crowd on the third day. The number of seeds growing showed that their germinating power was excellent. A fine table of roses consisting of about 20 vases of the leading kinds was shown by Peter Reinberg. A magnificent specimen Boston fern was shown by Richard F. Gloede, Evanston, Ill.; this plant must have been nine feet through, with long, drooping fronds almost touching the floor from a height of six feet. A representative collection of trees and shrubs, including conifers, was exhibited by the Swain, Nelson & Sons Co., Ltd., Glenview Nurseries, Glenview and Chicago, Ill.

A number of interesting well grown novelties in foliage plants, arranged in a circular group, came from the Eden Nurseries, Port Allegany, Pa. Aglaonema costata has bright, glossy green leaves with a white midrib and splashed with a distinct white variegation, a very striking little plant. Acanthus Montana

is a deep green ornamental spined plant, the specimen shown being about two feet high. Pandanus Luzonensis is a new species with deep green leaves, very light and graceful in appearance. Beautifully colored crotons, both wide and narrow leaved, green and colored dracænas and other foliage subjects were also included.



AT THE CHICAGO SHOW.
Poehlmann Bros.' vase of Col. Appleton chrysanthemums.

Chrysanthemum Society Prizes.

Class A.—Chrysanthemum society's silver cup for best ten flowers, one variety. This was awarded to Poehlmann Bros. for a superb lot of Col. Appleton.

Class B.—Prizes of $50, $25 and $10 for best 12 blooms on 24 inch stems of a sport or seedling not yet in commerce; the color to be white, pink or yellow, the name to be given by the donor of the prize. First, C. H. Totty for a white sport from Wm. Duckham; second the E. G. Hill Co. for a pink seedling.

Class D.—Chas. H. Totty's prizes of $12, $8 and $5 for 12 blooms in 12 varieties, stems not over 12 inches, introductions of 1906—First R. D. Foote (R. Vince, gardener) for Madame G. Rivel, Mrs. D. Willis James, Mrs. F. F. Thompson, Morton F. Plant, Beatrice May, G. J. Brooks, Mrs. Geo. Heaume, Merstham Crimson, Mrs. John E. Dunne, W. Wells, and Mrs. Henry Partridge; second the E. G. Hill Co.

Class E.—F. R. Pierson's silver cup for 36 blooms in six varieties, six blooms of each, introduced in America in 1905 and 1906. Awarded to R. D. Foote for Mrs. E. D. West, Morton F. Plant, Beatrice May, Sunburst, Mrs. Wm. Duckham and Professor Galloway.

Class F.—Nathan Smith & Son offer $25 for best 24 blooms of American origin in 1904, 1905 and 1906 three varieties, white, pink and yellow, eight of each. First Nathan Smith & Son for Mayor Weaver, Sunburst and Fidelity.

Class H.—The E. G. Hill Co. offer $15 for the best 25 blooms of Mary Mann. Awarded to the B. K. and B. Floral Co., Richmond, Ind.

There were no entries in classes C, F, G and I.

Tuesday's General Awards.

CUT FLOWERS.

The following are the awards made on the opening day:

Best vase of 100 blooms, white.—First, Nathan Smith & Sons, Adrian, Mich., with Fidelity; second, the E. G. Hill Co., Richmond, Ind., with Alice Byron; third, Bassett & Washburn, Chicago, also with Alice Byron.

Best vase of 100 blooms, pink.—First, the E. G. Hill Co., with Mary Mann; second, Nathan Smith & Sons, with their new Mayor Weaver; third, Poehlmann Bros., Chicago, with Dr. Enguehard.

Best vase of 100 blooms, yellow.—First, Poehlmann Bros., with fine Col. Appleton; second, Bassett & Washburn; third, E. G. Hill Co., both showing Col. Appleton.

Best vase of 100 blooms, any other color.—First, Wietor Bros., Chicago, with Mrs. J. E. Dunne.

Best six blooms one variety, white.—First, D. Willis James (Wm. Duckham gardener) with grand flowers of Beatrice May; second, the E. G. Hill Co.; third, Nathan Smith & Son, both with Beatrice May.

Best six blooms yellow, not darker than Major Bonnaffon.—First, D. Willis James; second, the E. G. Hill Co., both with F. S. Vallis; third, Nathan Smith & Son.

Best six blooms one variety yellow, darker than Major Bonnaffon.—First, Poehlmann Bros.; second, Nathan Smith & Son, both with Col. Appleton; third, D. Willis James, with G. W. Hutton.

Best six blooms one variety, pink, lighter than Viviand Morel.—First, D. Willis James, with Wm. Duckham; second, the E. G. Hill Co.; third, Nathan Smith & Son.

Best six blooms, one variety, not lighter than Viviand Morel.—First, D. Willis James, with superb flowers of Miriam Hankey; second, Nathan Smith & Son; third, H. Schmidt.

Best six blooms, one variety, red.—First, the E. G. Hill Co.; second, Nathan Smith & Son.

Best six blooms, one variety, bronze.—First, D. Willis James; second, Nathan Smith & Son; third, R. H. Alleston (James Livingston gardener).

Best six blooms, one variety, any other color.—First, D. Willis James; second, Nathan Smith & Son; third, the E. G. Hill Co.

Best 12 blooms distinct varieties.—First, R. D. Foote (James Vince gardener), with E. J. Brooks, Mrs. D. J. West, Mary Inglis, Beatrice May (grand bloom), F. S. Vallis, Lady Hopetoun, Mrs. J. A. Miller, Valarie Greenham, Gen. Hutton, Wm. Duckham, Mrs. Geo. Heaume, and a beautiful light yellow variety not named but a good deal like the yellow Mrs. F. F. Thompson; second, Nathan Smith & Son; third, R. H. Allerton.

Best 40 blooms distinct varieties.—First, Chas. H. Totty, Madison, N. J. This grower's front row blooms were Gen. Hutton, Wm. Duckham, Mrs. F. F. Thompson, Jeanne Falconer, H. J. Jones, Mrs. D. J. West, Viola, Geo. Lawrence, Lady Hopetoun and Montigny; second row, Leila Filkins, Mrs. H. Partridge, Ben Wells, President Viger, Mrs. E. Crossley, Mrs. W. Knox, Mrs. A. T. Miller, Cheltoni, Merza and Mrs. Henry Barnes; third row, Mrs. A. L. Stevens, Morton F. Plant, F. S. Vallis, Mrs. F. F. Thompson (yellow), Valarie Greenham, Moneymaker, Yellow Eaton, White Wm. Duckham, Nellie Pockett and Mary Inglis; back row, Mrs. W. Duckham, Beatrice May, Mrs. Geo. Heaume, Mrs. J. E. Dunne, Mrs. Geo. Hunt, D. McLeod, Col. Appleton, Mrs. A. J. Miller, Harrison Dick, and Miss Marion Hankey; second, the E. G. Hill Co.; third, Nathan Smith & Son.

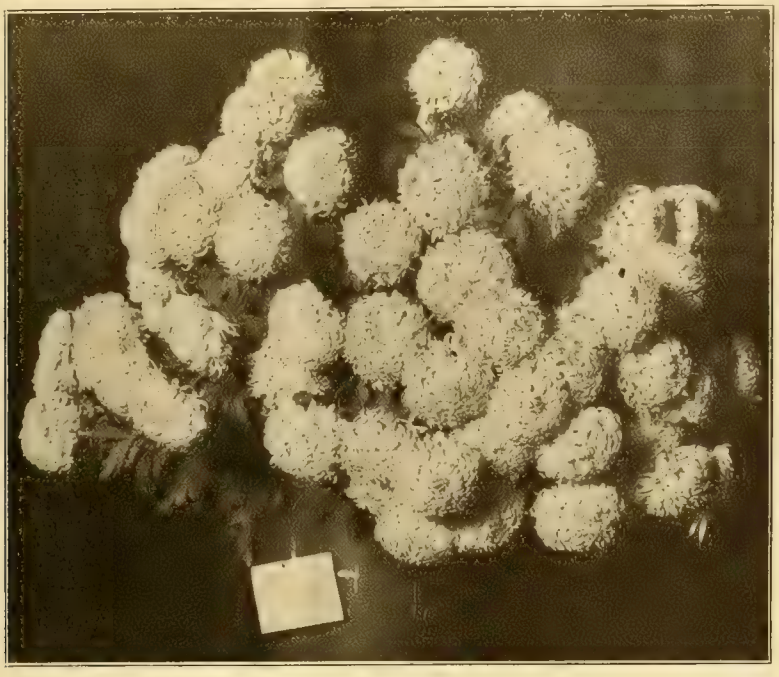
Best 40 blooms distinct varieties to be shown on mossed boards.—First, D. Willis James, with a fine heavy and even stand; second, E. G. Hill Co.; third, Nathan Smith & Son.

Best 12 varieties, to be shown on mossed boards.—First, R. D. Foote; second, the E. G. Hill Co.; third, Nathan Smith & Son.

Best display pompon varieties.—First, the E. G. Hill Co., with one large vase and two smaller ones filled with a great variety of these pretty sorts.

PLANTS.

Best specimen plant, white.—First, J. J. Mitchell (Geo. Woodward, gardener), with a fine and profusely flowered Mutual Friend; second, Vaughan's Seed Store; third, Martin A. Ryerson (J. Reardon, gardener).



AT THE CHICAGO SHOW.

Hill's vase of Mary Mann chrysanthemums.

Best specimen plant, yellow.—First, Martin A. Ryerson; second, Vaughan's Seed Store.

Best specimen plant, pink.—First, J. J. Mitchell; second, Vaughan's Seed Store; third, Martin A. Ryerson.

Best specimen plant, any other color—First, Vaughan's Seed Store, with a fine plant of Mrs. J. Heaume; second, J. J. Mitchell; third, Martin A. Ryerson.

Best specimen plant, single flowered.—First, Vaughan's Seed Store; second, Martin A. Ryerson.

Best specimen plant anemone.—First, Vaughan's Seed Store, with a fine plant of Garza.

Best three standards, not less than 30-inch stems.—First, Vaughan's Seed Store, with fine plants of Amorita, Mere R. O. Burtheis and Golden Age; second, A. S. Trude (R. Mueller, gardener).

Best five standards, not less than 12 or more than 24-inch stems.—First, Vaughan's Seed Store; second, A. S. Trude.

Best five specimen plants, distinct varieties, not over 10-inch pots.—First, Vaughan's Seed Store; second, A. S. Trude; third, Martin A. Ryerson.

Best five specimen plants, single varieties, not over 8-inch pot.—Second, Vaughan's Seed Store.

Best five specimen plants pompon varieties, not over 10-inch pot.—First, Vaughan's Seed Store.

Best 25 plants, single stem, not over 36 inches in height above pot, not over 6-inch pots, one color.—First, Vaughan's Seed Store, with nice even lot of Mrs. Robinson.

Most interesting grafted specimen with three inches clear stem above soil.—First, Vaughan's Seed Store, for a plant with about 24 sorts grafted upon it.

Best ten palms.—First the George Wittbold Co., Chicago.

Best one palm—First the George Wittbold Co.

Best Boston fern.—First C. A. Samuelson; second Vaughan's Seed Store.

Best basket Asparagus Sprengeri.—First Anton Then; second Vaughan's Seed Store.

Best ten araucarias.—First Vaughan's Seed Store; second A. McAdams, Chicago.

Best ten Gloire de Lorraine begonias.—First J. A. Peterson, Cincinnati.

Best six Boston ferns.—First C. Samuelson; second Vaughan's Seed Store.

Best group of foliage plants.—First Vaughan's Seed Store; second J. J. Mitchell, Chicago.

Best group of palms and decorative plants for effect. — First the George Wittbold Co.; second E. G. Uihlein.

Best five tobacco plants.—Second Martin A. Ryerson.

Best fern dish.—First E. G. Uihlein; second C. Frauenfelder, Chicago.

Best hamper of plants.—First C. Frauenfelder; second A. McAdams.

Best display of cut greens.—First A. F. Amling, Maywood, Ill.; second Poehlmann Bros., Chicago.

Wednesday's Awards.

Best 25 American Beauty.—First, Poehlmann Bros.; second, Bassett & Washburn; third, Peter Reinberg.

Best 40 Liberty or Richmond.—First, Peter Reinberg, with Liberty; second, Poehlmann Bros., with Richmond; third, Bassett & Washburn, with Richmond.

Best 40 Golden Gate or Uncle John.—First, Poehlmann Bros.; second, Peter Reinberg, both with Uncle John.

Best 40 Madame A. Chatenay.—First, Poehlmann Bros.; second, Peter Reinberg.

Best 40 Bride.—First, Bassett & Washburn; second, Poehlmann Bros.

Best 40 Bridesmaid.—First, Poehlmann Bros.

Best 40 Killarney.—First, Poehlmann Bros.

Best 40 any other variety.—First, Poehlmann Bros., with Kaiserin Augusta Victoria; second, Peter Reinberg, with Ivory.

Best 100 American Beauty.—First, Poehlmann Bros.; second, Bassett & Washburn; third, Peter Reinberg; fourth, William Dittman, New Castle, Ind.

Best 100 Liberty or Richmond.—First, Peter Reinberg, with Liberty; second, Poehlmann Bros., with Richmond; third, Wietor Bros., with Richmond.

Best 100 Golden Gate or Uncle John.—First, Poehlmann Bros.; second, Wietor Bros., both with Uncle John.

Best 100 Bride.—First, Poehlmann Bros.; second, the Benthey-Coatsworth Co.; third, Wietor Bros.

Best 100 Bridesmaid.—First, the Benthey-Coatsworth Co.; second, Poehlmann Bros.

Best 100 Madame A. Chatenay.—First, Peter Reinberg; second, Poehlmann Bros.; third, Wietor Bros.

Best 100 any other variety.—First, the

AT THE CHICAGO SHOW.

Wietor Bros' vase of Mrs. J. E Dunne chrysanthemums

NATHAN SMITH & SON'S NEW CHRYSANTHEMUM ONGAWA.
Awarded certificate by the Cincinnati committee.

Benthey-Coatsworth Co., with Killarney; second, Poehlman Bros., with Perles des Jardins; third, Peter Reinberg, with the same variety.

Best 12 blooms of a new rose; never exhibited in this country previous to this season; a silver cup valued at $25; second, $15; third, $10.—First, Poehlmann Bros, with their new sport from Madame A. Chatenay; second, the E. G. Hill Co., with seedling No. 30; third, Bassett & Washburn.

Best 25 blooms any variety not in commerce.—First, the E. G. Hill Co., with Seedling No. A 1, a light crimson rose, fine in the bud.

Best collection of cut orchid blooms.—First, E. G. Uihlen, Chicago.

Thursday's Awards

The following awards for carnations were made on the third day:

Best 50 blooms, white Lawson.—First, Anton Then, Chicago; second, Poehlmann Bros.; third, Peter Reinberg.

Best 50 blooms, White Cloud.—First, Bassett & Washburn.

Best 50 blooms, Boston Market.—First, Peter Reinberg.

Best 50 blooms, Lady Bountiful.—First, Anton Then; second, Poehlmann Bros.

Best 50 blooms, Lieutenant Peary.—First, Poehlmann Bros.

Best 50 blooms, any other white.—First, the Chicago Carnation Co., Joliet, Ill.; second, Gunnar Tielmann.

Best 50 blooms, Cardinal.—First, Anton Then.

Best 50 blooms, red Lawson.—First, Poehlmann Bros.; second, H. N. Buckbee.

Best 50 blooms, any other red.—First, Chicago Carnation Co., with an unnamed seedling; second, Poehlmann Bros., with Victory.

Best 50 blooms, Harlowarden.—First, Bassett & Washburn; second, Anton Then.

Best 50 blooms, Enchantress.—First, the Chicago Carnation Co.; second, Poehlmann Bros.

Best 50 blooms, Mrs. T. W. Lawson.—First, Bassett & Washburn; second, Poehlmann Bros.

Best 50 blooms, Fiancee.—First, the Chicago Carnation Co.; second, Anton Then.

Best 50 blooms, Nelson Fisher.—First, A. C. Brown.

Best 50 blooms, any other pink, Daybreak class.—First, the W. C. Hill Floral Co., with Melody; second, Poehlmann Bros., with Phyllis.

Best 50 blooms, any other pink, Scott class.—First, the Chicago Carnation Co.; second, E. H. Blameuser, Niles Center, Ill., both with pink Enchantress.

Best 50 blooms, any other pink, Lawson class.—First, the Chicago Carnation Co.; second, the J. D. Thompson Carnation Co., Joliet, Ill.

Best 50 blooms, Mrs. Patten.—First, Sol. Garland; second, Poehlmann Bros.

Best 50 blooms, Prosperity.—First, Poehlmann Bros.; second, H. N. Buckbee.

Best 50 blooms white, introduction of 1906.—First, the Chicago Carnation Co.; second, Bassett & Washburn, with white Perfection.

Best 50 blooms pink, introduction of 1906, Scott class.—First, the Chicago Carnation Co., with rose pink Enchantress; second, J. C. Ahrenfeld.

Best 50 blooms pink, introduction of 1906, Lawson class.—First, Gunnar Tielmann.

Best 50 blooms red, introduction of 1906.—First, Sol. Garland, with Robt. Craig; second, the J. D. Thompson Carnation Co., with Robt. Craig.

Best 50 blooms, any other color, introduction of 1906.—First, Poehlmann Bros., with Glendale.

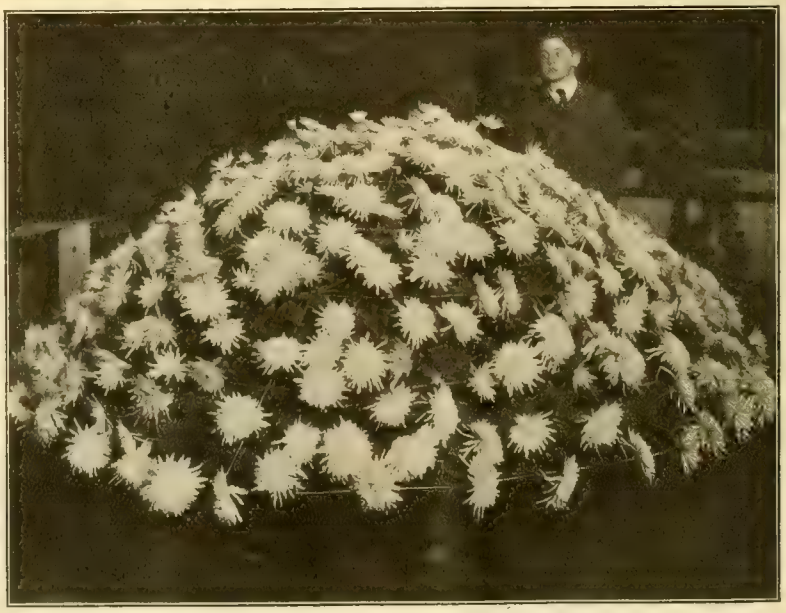
Best 100 blooms, white.—First, the Chicago Carnation Co.; second, Poehlmann Bros., with Gov. Wolcott.

Best 100 blooms pink, Daybreak class.—First, the Chicago Carnation Co.; second, Poehlmann Bros., with Enchantress.

Best 100 blooms, pink, Scott class.—First, the Chicago Carnation Co., with rose pink Enchantress.

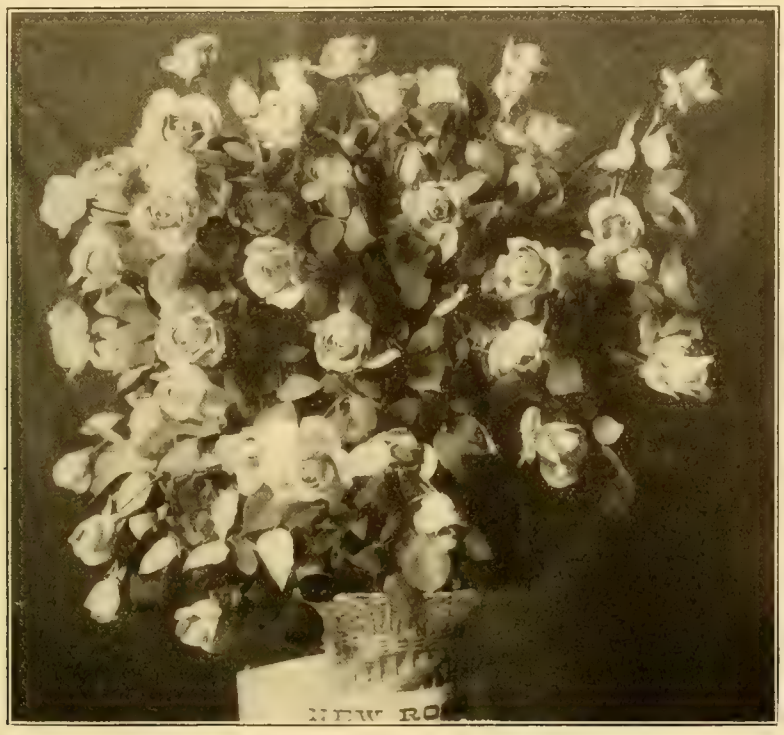
Best 100 blooms, Lawson class.—First, the Chicago Carnation Co., with Aristocrat; second, Poehlmann Bros., with pink Lawson.

Best 100 blooms, red.—First, the Chicago Carnation Co., with seedling 49; second, Poehlmann Bros., with Victory.



THE LARGEST PLANT AT THE CHICAGO SHOW.
Mrs. J. R. Tranter eight feet through and bearing over 500 flowers.

Best 100 blooms, any other color.—First, Poehlmann Bros., with Prosperity.



PETER REINBERG'S NEW ROSE MARSHALL FIELD.
Exhibited at the Chicago show.

Best display of violets, not less than 800 blooms.—First, the Eaton Floral Co., 86 Jackson boulevard, Chicago.

Best display of lily of the valley, not less than 500 blooms.—First, A. Jurgens, Chicago.

Best bride's and bridesmaid's bouquets.—First, Henry E. Klunder; the bride's bouquet was composed of lily of the valley, the bridesmaid's of pink bouvardia; second, R. Jahn, lily of the valley and orchids for the bride and Chatenay roses for the bridesmaid; third, Eaton's, with lily of the valley and Bridesmaid roses.

Best dinner table decoration for 12 covers.—First, C. Frauenfelder & Co.; second, John Mangel; third, Henry E. Klunder.

Notes.

C. B. Whitnall, of Milwaukee, Wis., who was down for a public lecture on Wednesday evening, was unable to be present. Phil. Foley at once stepped into the breach to speak of "Park Utility." There is not one thing small about our Phil, but when he found, after being well started on his discourse, that the stereopticon man was using the wrong set of plates, showing unimproved back yards and filthy alleys instead of the gardens beautiful the speaker was describing, Phil. says he felt just some smaller than the "littlest" thing on earth.

Chas. A. Samuelson and his corps of assistants must be given great credit for the very artistic interior decoration of the exhibition building.

The work of Judges Burton, Cowell and Temple was prompt and thorough.

The fine vocal and instrumental music proved very popular with the visitors.

Fritz Bahr, as chief of the information bureau, was the right man for the place.

"If that tree is 500 years old it must have been very badly grown," was the comment of one of the great general public when looking at the Japanese thuya near the entrance.

Prof. Blair's wife met with an unfortunate accident on Thursday. Shopping at Marshall Field's, Mrs. Blair fell on one of the stairways and was severely bruised.

Will Craig had an easy time convincing trade visitors of the merit of his line of goods and it is said he booked some handsome orders.

S. S. Skidelsky failed to enter for competition two very excellent exhibits of his specialties, Nephrolepis Whitmani and Rose Pink Enchantress carnation.

The eastern growers showed a lot of fine blooms, but the Poehlmanns had an eye on that national cup and simply couldn't let it get away.

Chas. H. Totty left Friday evening for Denver to attend to his mining interests there.

The Banquet.

Nearly 200 members of the local Florists' Club and Horticultural Society and guests sat down to an elaborate banquet at the Auditorium hotel shortly after 9 o'clock Thursday evening, November 8. All phases of horticulture and the more important horticultural centers of the country were well represented. Among the visitors present we noted President Kasting and Secretary Stewart of the Society of American Florists, President Montgomery of the American Rose Society, President Duckham of the Chrysanthemum Society of America, John N. May, John Burton, E. V. Hallock, John T. Temple, J. D. Carmody, J. F. Sullivan, J. A. Valentine, J. F. Cowell, F. Weber, J. J. Hess, Theo. Miller, Otto Koenig and A. Herrington. Just before the cigars were passed President Hauswirth of the Chicago Flor-

POEHLMANN BROS. CO.'S AMERICAN BEAUTY ROSES AT THE CHICAGO SHOW.

There is just as great contrast between Nephrolepis Amerpohli and any other variety of Boston fern, as between a fine piece of Brussels lace and a common window curtain. So says W. P. Craig of the Robert Craig Co., and he ought to be a fair judge.

ists' Club introduced J. C. Vaughan as toastmaster.

Mr. Vaughan said he was pleased to see such a representative body of men and called on President Kasting of the Society of American Florists. Mr. Kasting referred to the gathering as being one of the most noteworthy within his knowledge, there being present the first, last, present and incoming presidents of the Society of American Florists, not to speak of the ex-presidents. He had much praise for the exhibition and said that Chicago was the only city in the United Staets which could make a success of a national flower show, such as is to be held in this city under the auspices of the Society of American Florists in 1908.

President Duckham of the Chrysanthemum Society of America was next called upon and he spoke for the private gardener. He was disappointed in the number of entries at the local show, but found the flowers much superior to those seen on his previous visit, two years before. He urged that both private and commerical growers take more interest in the development of the chrysanthemum and hoped the day would soon come when the Chrysanthemum Society of America would reverse the present order of things and invite the Horticultural Society of Chicago to cooperate in its national meetings.

Secretary Stewart of the Society of American Florists referred to the development of the business, stating that 25 years ago he frequently shipped roses to Chicago from Boston, this condition being now vastly changed. He urged those present to make all efforts to bring out a good attendance at the national convention next August and assured the audience that the Philadelphia trade would make the occasion well worthy of the trip.

John N. May spoke of flower shows and their influences. He urged the trade to take greater interest in school gardening and the horticultural and floricultural exhibitions of school children. The interest awakened in the child he claimed was continued in after life.

John Burton referred to the splendid work of the retail florists in the local show, attributing much of its success to them.

Among the other speakers were John T. Temple, J. D. Carmody, A. Herrington, E. V. Hallock, Prof. Cowell, J. A. Valentine, P. J. Hauswirth, Geo. Asmus, J. F. Klimmer and J. F. Ammann.

The procedings terminated at an advanced hour and the occasion was generally voted one of the most important and enjoyable of recent years.

BASSETT & WASHBURN'S AMERICAN BEAUTY ROSES AT THE CHICAGO SHOW.

MENU.

Blue Points
Cream of Chicken
Radishes Olives Celery
Whitefish, St. Malo
Potatoes Marquise
Tenderloin of Beef, Bordelaise
French String Beans
Maraschino Punch
Roast Squab on Toast
Salad
Meringue Glace
Cakes Cheese
Coffee

NOT EASILY SATISFIED.

"What was wrong with those pansies I bought here last spring?" said an exacting customer. "They flowered beautifully all last summer, but did not come up this spring. Won't they live out the winter?"

The florist rallied just in time. "Well, didn't you get your 10 cents worth last summer?" he gasped.

WILLING TO OBLIGE.

A lady customer after a vain search among the stock of verbenas for the required shade of pink, at last appeals to the florist, saying she wants a pink to match the dress she is wearing.

"Very sorry, madam," says the florist. "You see flowers are not made, they grow. I can only suggest that you buy some flowers and then get a dress made to match them."

RATHER DRY.

Customer: "Those alyssums I had of you two weeks ago are all dead."

Florist: "Have you watered them?"

Customer: "No."

Florist: "Well, if you hadn't a drink in two weeks it's likely you would be dead, too."

Those Present.

Among the trade visitors, the following registered:

Edw. Amerpohl and wife, Janesville, Wis.
G. F. Baermann, Milwaukee, Wis.
W. J. Barnes, Kansas City, Mo.
Carl Baumann, Terre Haute, Ind.
Fred Baumann, Terre Haute, Ind.
Irwin Bertermann, Bertermann Bros., Indianapolis, Ind.
John Bertermann, Indianapolis, Ind.
Harry M. Bills, Bills Floral Co., Davenport, Ia.
J. A. Bissinger, Lansing, Mich.
R. G. Boehringer, Bay City, Mich.
Fred Breitmeyer, Detroit, Mich.
John Burton and wife, Philadelphia, Pa.
Frank Button and sister, Lake Geneva, Wis.
A. C. Canfield, Springfield, Ill.
J. D. Carmody, Evansville, Ind.
Chas. T. Chambers, Ionia, Mich.
James N. Cole, Peoria, Ill.
Nelson Cole, Peoria, Ill.
W. W. Coles, Kokomo, Ind.
Otto J. Corning, St. Louis, Mo.
John F. Cowell, Buffalo, N. Y.
Wm. P. Craig, Philadelphia, Pa.
Eli Cross, Grand Rapids, Mich.
Paul and Henry Dailledouze, Flatbush, N. Y.
Mrs. Katherine Daut, Decatur, Ill.
Frank Daut, Decatur, Ill.
Philip Daut, Decatur, Ill.
Wm. Dittman, New Castle, Ind.
Wm. Duckham, Madison, N. J.
Mrs. Albert Duebendorfer, Elwood, Ind.
Miss Laura Duebendorfer, Elwood, Ind.
Wm. H. Elliott, Boston, Mass.
J. A. Evans, Richmond, Ind.
E. Everett, Madison, Wis.
Frank Fischer, Evansville, Ind.
H. Fleming, Philadelphia, Pa.
David Fraser, Pittsburg, Pa.
Irving Gingrich and wife, South Bend, Ind.
Wm. Graff, Graff Bros., Columbus, O.
C. M. Hamilton, Kewanee, Ill.
W. A. Harkett, Dubuque, Ia.
L. P. Harling, Hartford, Mich.
J. P. Hartley, Hartford, Mich.
B. Hasselbring, Flint, Mich.
H. Heepe, Akron, O.
Chas. E. Heite, Kansas City, Mo.
Harry Hermans, Sycamore, Ill.
A. Herrington, Madison, N. J.
J. J. Hess, Hess & Swoboda, Omaha, Neb.
D. Hill, Dundee, Ill.
Wm. F. Holmes, Donaldson & Co., Minneapolis, Minn.
Herman V. Hunkel, Holton & Hunkel, Milwaukee, Wis.
Thos. P. Jenkinson, Pittsburg, Pa.
I. O. Kemble and wife, Marshalltown, Ia.
W. E. Kemble, Oskaloosa, Ia.
Kenyon Bros., South Bend, Ind.
Harvey E. Kidder, Ionia, Mich.
Theo. F. Kienahs, La Crosse, Wis.
W. W. Kirby, Denver, Col.
Alex. Klokner, Wauwatosa, Wis.
Frank J. Knecht, Fort Wayne, Ind.
Otto Koenig, St. Louis, Mo.
Judson A. Kramer, Cedar Rapids, Ia.
G. A. Kuhl and wife, Pekin, Ill.
Robt. Laurie, Providence, R. I.
W. T. League, Hannibal, Mo.
Fred Lemon, Richmond, Ind.
C. Loveridge and wife, Peoria, Ill.
Earl Mann, Richmond, Ind.
John N. May, Summit, N. J.
Albert Meier, Lake Geneva, Wis.
Fred Meinhardt, St. Louis, Mo.
Miss Tillie Meinhardt, St. Louis, Mo.
T. Mellstrom, New York.
Theo. Miller, St. Louis, Mo.
Alex. Montgomery, Boston, Mass.
Gustave Mueller, Milwaukee, Wis.
Ray Murphy, Cincinnati, O.
Gus. Oberg, Oshkosh, Wis.
J. A. Peterson, Cincinnati, O.
H. E. Philpott, Winnipeg, Man., Can.
W. R. Pierson, Cromwell, Conn.
A. O. Plaffman, Ft. Wayne, Ind.
F. W. Plummer, Kewanee, Ill.
M. Rasmussen, Pontiac, Mich.
Dr. Edward Reiss, Terre Haute, Ind.
J. Sanstrom, Momence, Ill.
Bada Schmidt, Marquette, Mich.
Gustav Sellenthin, La Crosse, Wis.
S. S. Skidelsky, Philadelphia, Pa.
A. J. Smith, Lake Geneva, Wis.
C. A. Smith, Ashland, Wis.
Elmer D. Smith, Adrian, Mich.

F. C. Smith and daughter, Ashland, Wis.
Henry Smith, Grand Rapids, Mich.
Wm. Studebaker, South Bend, Ind.
John T. Temple, Davenport, Ia.
J. D. Thompson, Joliet, Ill.
C. H. Totty, Madison, N. J.
Frank A. Triedly, Springfield, Ill.
J. A. Valentine, Park Floral Co., Denver, Col.
J. Valom, Milwaukee, Wis.
E. V. Hallock, Queens, N. Y.
Hugo Hansen, Oconomowoc, Wis.
Albert T. Hay and wife, Springfield, Ill.
Mrs. T. Hincliffe, Racine, Wis.
J. C. Howard, Milwaukee, Wis.
T. P. Jenkinson, Pittsburg, Pa.
W. F. Kasting and wife, Buffalo, N. Y.
Geo. M. Kellogg, Pleasant Hill, Mo.
W. A. Kennedy, Milwaukee, Wis.

AT THE CHICAGO SHOW
Duckham's first prize display of blooms on mossed boards.

G. and J. R. Van Bochove, Kalamazoo, Mich.
Frank C. Viereck, Akron, O.
R. Vince, Madison, N. J.
C. B. Whitnall, Milwaukee, Wis.
Gordon Whitnall, Milwaukee, Wis.
H. L. Wiegand, Indianapolis, Ind.
R. Witterstaetter, Cincinnati, O.
S. M. Wyatt, Watseka, Ill.
Henry Young, St. Louis, Mo.
Paul Zoellner, La Crosse, Wis.
Nic Zweifel, North Milwaukee, Wis.

LATER.

H. M. Altick, Dayton, O.
J. F. Ammann, Edwardsville, Ill.
C. J. Anderson, Kenosha, Wis.
V. H. Anderson, Belvidere, Ill.
Prof. A. C. Beal, Urbana, Ill.
Prof. J. C. Beal and wife, Urbana, Ill.
A. C. Brown, Springfield, Ill.
Mrs. E. M. Bullock, Elkhart, Ind.
Chas. Burmeister, Milwaukee, Wis.
Oscar Carlson, Minneapolis, Minn.
Geo. F. and Arthur F. Crabb, Grand Rapids, Mich.
W. J. Currie, Milwaukee, Wis.
C. Dallwig, Milwaukee, Wis.
Theo. A. Dorner, La Fayette, Ind.
J. C. Elspermann and wife, Evansville, Ind.
Geo. Faber, Kankakee, Ill.
Vincent J. Gorley, St. Louis, Mo.
A. J. Graves, Bloomington, Ill.
Benj. Gregory, Milwaukee, Wis.
Wm. Gregory, Ludington, Mich.
W. J. Gullett, Lincoln, Ill.
A. J. Guttman and Son, New York.
G. Klopfer, Peoria, Ill.
H. Klopfer, Washington, D. C.
Chas. Knopf, Richmond, Ind.
A. R. Knowles, Bloomington, Ill.
G. A. Kuehn, St. Louis, Mo.
Ralph Latham, Minneapolis, Minn.
J. W. Lyon, Belvidere, Ill.
Wm. C. Manke, Milwaukee, Wis.
U. C. Manschot, Milwaukee, Wis.
Mrs. E. Miller, Milwaukee, Wis.
Theo. Nelson, Kenosha, Wis.
Julius Niednagel, Evansville, Ind.
P. G. Pearson, South Bend, Ind.
J. A. Peterson and wife, Cincinnati, O.
C. C. Pollworth, Milwaukee, Wis.
T. C. Porter, Racine, Wis.
J. M. Roman, Omaha, Neb.
E. A. Ryan and sister, Milwaukee, Wis.
Bruno Schroeter, Jr., Detroit, Mich.
W. Scott, Grand Rapids, Mich.
Mrs. A. Simonson, Racine, Wis.
Walter E. Slack, Marion, Ind.
J. M. Smely, Aurora, Ill.
James Souden, Minneapolis, Minn.
Clem Studebaker and wife, South Bend, Ind.
Gunnar Teilmann, Marion, Ind.
F. L. and Geo. A. Washburn, Bloomington, Ill.
A. Weaver, Massillon, O.
Fred C. Weber, St. Louis, Mo.
Emil Welke, Milwaukee, Wis.
Theo. Wirth, Minneapolis, Minn.
C. H. Woolsey and daughter, Rockford, Ill.
T. J. Zettler, Canton, O.
W. C. Zimmerman, Milwaukee, Wis.

The Pennsylvania Horticulural Society.

The opening date of the chrysanthemum show was just about one week too soon as, owing to the backward season, both plants and flowers would have been the better for another week in the greenhouse. Last Tuesday was also election day and as the city contest had been the most exciting for years, many timid persons were afraid to be on the streets and this interfered considerably with the attendance.

The feature of the show was the large collection of fine pot plants, the best seen here since the time of the Drexel exhibits some years ago. The entries of Joseph Hurley, gardener to James W. Pane, were particularly large and well grown specimens and attracted much attention. These pot chrysanthemums occupied almost the entire space in the large hall.

In the foyer were displayed the specimens and collections of foliage plants, many among them being very choice and rare. Between the foyer and main hall all around the grand stairway were low tables containing the cut blooms. There were also large vases on the steps on either side of the stairway. These contained the collections of 25 of a kind. Large specimen palms graced the balconies looking on the grand stairway from the main hall.

The exhibition of cut blooms, while not quite so large as last year, owing to the late season, many of the varieties not being ready to cut, was very fine, some of the classes having six entries. In the class calling for the largest flowers, Wm. Kleinheinz, of Ogontz, was first. His best flower was Beatrice May, which measured 27 inches in circumference without being spread out. Mrs. F. S. Vallis, a huge tasseled yellow, measured 25 inches in circumference, while Gen. Hutton was but little behind. The E. G. Hill Co., of Richmond, Ind., was awarded first for six pink with Mlle. E. Clabourne, a fine light pink of perfect form. James Coleman was first for six yellow with Appleton. Six other entries were all Appleton, showing its popularity. Wm. Kleinheinz took the

AT THE CHICAGO SHOW.
Some of the blooms exhibited by Totty, Smith and Hill

first for pink with six Wm. Duckham. Six other competitors all entered the same variety. John McCleary was first for six vases, six of a kind. Wm. Gaynor was second. Andrew Morrison was first for any other color with six Brutus. For 20 single blooms all different, Wm. Kleinheinz was first, Joseph Hurley, second. For the vases on the stairway, 12 of a kind, Wm. Kleinheinz took first for best three with Mrs. Wm. Duckham, Wm. Duckham and Merza; Wm. Batchelor was second. Thos. J. Holland had two trained plants nicely flowered which attracted considerable attention. Chas. Hickey was first for 20 yellow, with Appleton; Andrew Morrison, second for same, also with Appleton. Wm. Kleinheinz was first for best 12 blooms with Gen. Hutton, a truly magnificent flower; the E. G. Hill Co., second, with Beatrice May, and Andrew Morrison, third, with Mrs. G. Beech.

When the pot plants were arranged they were found to be a very fine lot, there not being a weak one in any of the exhibits. The display was larger than for some years. The single stemmed plants in 6-inch pots were quite a feature and attracted considerable attention. Standing in rows, six of a kind, like soldiers on inspection; Merza, Nellie Pockett, Wm. Duckham, Appleton and Mrs. Wm. Duckham were the principle sorts in this class. In the large potted plants Joseph Hurley swept all before him in his entries. He was first for three plants, also six plants. For single specimens Gordon Smirl was first for four plants. Gordon Smirl was second for six plants and John McCleary third for the same.

There were the usual exhibits of choice foliage plants, the center of the hall being taken up with Thos. Long's magnificent specimen of Gleichenia glaucescens, 10 feet in diameter by six high. This was surrounded by six enormous pots and pans of ferns. The stage was occupied by Henry A. Dreer with a large collection of new and rare greenhouse plants and ferns all conspicuously labeled. This was a very interesting exhibit. John McCleary was first for 12 foliage plants, a very well grown lot. John Hobson exhibited his new croton, extra fine specimens, for which he received first prize, and in the foyer, won first for eight foliage plants, the center of the group being a fine Ficus pandurata. John Hobson was first with six varieties of foliage plants with John Thatcher second, both very fine collections. John Hobson was also first for specimen croton. John Thatcher won first for his specimen plant of Dracæna Godseffiana, and Joseph Hurley second with Dracæna Sanderiana. A fine plant of Pandanus Sanderi was also staged by the same exhibitor. For the best eight dracænas, Wm. Batchelor was first and Wm. Roberston second. A new plant of promise was Asparagus Ducheni, a very striking novelty. The lines are long with bright glossy foliage. It looks all right commercially as the cut sprays would work up nicely with cut flowers. Wm. Batchelor staged this as well as a new coleus having a yellow center with a wide dark green edge, a new departure in this class of plants and surely a great novelty. In the lower hall, H. A. Dreer made a grand exhibit of tall kentias and bay trees of all sizes, much the finest ever seen here. These were arranged along the entire side of the grand staircase. A large gleichenia and a fine specimen cibotium flanked the entrance and at the newel posts of the main stairway stood two fine plants of Ficus pandurata from the Craig nurseries. In the rear lower hall the same exhibitors filled a table with choice ferns, dracænas, Ficus pandurata, all well grown commercial plants. W. K. Harris staged Saintpaulia, the African violet. This is a fine thing which will sell readily in all first class stores. He also had choice hybrid Begonia Gloire de Lorraine and four-leaved clover. Several fine exhibits of Begonia Rex were also seen. Thos. Meehan & Sons made a pretty exhibit of cut pompon chrysanthemums as did R. Vincent, Jr., & Son through H. F. Michell. This latter company had their usual large collection of garden and greenhouse requisites. They also made a special display of jardinieres surrounding a table set with bulbs. This exhibit was illuminated with small electric lights and received much attention. The H. A. Dreer Co. made a display of grass seeds and H. Waterer a display of bulbs, mushroom spawn and other requisites. There was a good showing of fruits and vegetables though not as large as last year, but the quality was of the best.

K.

AT THE CHICAGO SHOW.

Totty's vase of White Duckham chrysanthemums.

Massachusetts Horticultural Society.

The annual chrysanthemum exhibition of the Massachusetts Horticultural Society was held in the halls of the society in Boston November 2, 3 and 4. That the season for the queen of autumn had been very backward was very manifest from a look into the halls, for it was the smallest show held by this society in a number of years. The large, beautifully grown plants which have made the Boston show famous were missing. Only one exhibitor showed any number of those immense plants which have formerly been the pride of the exhibition and his were hardly in condition to be staged, being barely more than half in bloom and one or two just showing color. The smaller plants in 8-inch pots, shown by W. H. Elliott, were much more advanced and made a very creditable showing.

What the reason is that this important feature of this important show is deteriorating is problematical. It may be that the year, as some say, when it is so pronounced, that the date is too early, but certainly the plants of the last few years have not compared with those that were exhibited for the 10 or 12 years previous. Some say that the prizes are not commensurate with the expense of growing and transporting such specimens as used to adorn the exhibitions of this society. But it can be easily discerned that after a gardener has attained an excellence that wins for him the first premium for one or two years he withdraws from competition and leaves the field open to other growers.

GENERAL VIEW OF THE PHILADELPHIA FLOWER SHOW, NOVEMBER 6, 1906.

Others think that the management at present is not taking the interest in this feature that was formerly taken. Of course, the gardeners on the private estates must be depended upon to furnish these beautiful plants, for no commercial grower could afford to give the space in his houses necessary to produce the large specimens, but some effort should be made to encourage their growth, and increase the competition in this class to the extent that was manifest some 10 years ago when the hall would be filled with specimen plants that were admired by all those attending the exhibition at that time.

The exhibition of cut blooms while not as large as in some years was fully up to standard in quality of those of the years previous and the blooms staged by R. W. Paterson, of Lenox, in the opinion of many have never been equaled at this society's exhibition, and certainly, with the exception of the blooms shown by Wm. Duckham two years ago which these blooms rivalled, no better 25 were ever shown in Boston. The blooms were beautifully finished and the collection embraced the following varieties: J. E. Dunne, Leila Filkins, Mafeking Hero, C. J. Salter, J. A. Miller, Nellie Pockett, Australe, Wm. Knox, Mary Inglis, Mrs. Wm. Duckham, Beatrice May, Morton F. Plant, Donald McLeod, Greenfield, Maynell, Ben Wells, Henry Partridge, Merza, Brighthurst, George Heaume, Wm. Duckham, F. S. Vallis, Marie Liger, Cheltoni and Geo. Mileham. Peter B. Robb was a good second and in his collection were noted fine specimens of Mme. Von Audre, Lady Hopetoun, H. A. Etherington and G. A. Miller. The third in this class went to Wm. Whitman, Michael Sullivan, gardener, who showed extra good blooms of Wm. Knox, Brighthurst, Mme. Carnot and Fidelity.

In the 12 blooms, 12 varieties, Peter B. Robb captured first, and particularly noticeable were Wm. Duckham and Gen. Hutton. The second went to Mrs. Lester Leland, E. H. Welterlow gardener, and in the collection were beautiful blooms of F. F. Thompson, Mlle. Marie Liger and Merza. In the best 10 white first prize went to Wm. Whitman with Merza and second to the same exhibitor with Nellie Pockett and third to G. F. Fabyan, James Stewart gardener, with Beatrice May. In 10 reds Wm. Whitman was first and G. F. Fabyan second. For 10 pink G. F. Fabyan was first Beatrice May. In 10 red Wm. Whiting second with Wm. Duckham and E. M. Gill third with Dr. Enguehard. The 10 yellows brought out the best competition for vase of Col. Appleton and one of Cheltoni. The latter, exhibited by Arthur F. Whiting, took first, Seth A. Borden second and Wm. Whitman third.

In any other color three bronzes were shown. Geo. F. Fabyan took first with Donald McLeod, James Nicol second with Harrison Dick and Wm. Whitman third with Kate Broomhead. In six varieties, six blooms each, Wm. Whitman showed well grown Wm. Duckham, John Pockett, Peter Kay, Leila Filkins, Cheltoni and Merza. The thing most noticeable to the close observer was that the large well finished blooms were in the majority of cases those varieties of Australian origin, very few American varieties finding a place on the tables.

The groups of foliage and blooming plants which were staged in the large hall were a beautiful feature and added quality to the effect of the hall. Wm. Whitman was first, Edward MacMulkin second and Sidney Hoffman third.

The prizes for six plants, six blooms on each, brought out a large exhibit, the blooms on the first and second prize winners being nearly as large as those on the tables. Mrs. Lester Leland was first, and A. W. Blake, J. L. Smith, gardener, second. A table which attracted a great deal of attention was the large exhibition of single chrysanthemums exhibited by E. Jackson Clark, John Ash, gardener. It consisted of a very large variety, many of the blooms being of beautiful color. This was awarded the society's silver medal. E. A. Clark staged a beautiful row of blooms that occupied the center of the hall.

The display of orchids was exceptionally large and fine, beautiful exhibits being made by James E. Rockwell, Edward MacMulkin, John L. Gardner, Lager & Hurrell, Julius Roehrs Co. and E. O. Orpet.

The display of carnations was very small, but the blooms shown of very good quality. Backer & Co. made an extensive exhibit, securing the majority of prizes. Some very handsome novelties were shown. Peter Fisher exhibited Beacon and Evangeline, F. R. Pierson, Winsor, Backer & Co., a fine scarlet, No. 36, and H. A. Jahn, Jahn's white and Jahn's crimson.

The special premiums offered on Saturday for the best arranged dinner decoration for four furnished a spirited contest between eight exhibitors, and made a most attractive and interesting display. Sidney Hoffman took the first prize with an artistic table of cattleyas. The Rosary was second with a decoration of violets and Houghton & Clark

were third, using Odontoglossum varicosum and cypripedium.

The judges for the competition were three ladies chosen by the trustees: Mesdames Nathaniel Thayer and C. S. Sargent and Miss May S. Ames. Following is the list of prizes:

AWARDS FOR PLANTS AND FLOWERS.

Special prizes of the Henry A. Gane memorial fund for chrysanthemums were awarded as follows:

For the best specimen plant of Marcia Jones, Henry A. Gane, Mrs. Henry A. Gane, or any of the sports or seedlings of these three varieties, Edward J. Mitton, second.

The H. H. Hunnewell fund was awarded as follows: Hardy coniferous trees, display in pots and tubs, named: R. & J. Farquhar & Co., first.

The society's prizes were awarded as follows:

Chrysanthemums: Display of eight named plants in not over 12-inch pots, any or all classes, distinct varieties: First, J. S. Bailey; fourth, Wm. H. Elliott. Two Japanese incurved: First, J. S. Bailey; third, Wm. H. Ellliott. Two reflexed: First, J. S. Bailey; third, Wm. H. Elliott. Specimen Japanese incurved: First, J. S. Bailey; second, Edward J. Mitton; third, Wm. H. Elliott. Specimen reflexed: First, J. S. Bailey; third, Wm. H. Elliott. Specimen pompon: Second, Wm. H. Elliot. Specimen plant of any variety, not included in above classes: First, Geo. F. Fabyan; third, Wm. H. Elliott. Six plants of six varieties grown to six stems with one bloom to each stem: First, Mrs. Lester Leland; second, Mrs. A. W. Blake; third, Wm. Whitman.

Begonia Rex: Ten pots of 10 varieties: First, Mrs. John L. Gardner; second, Mrs. A. W. Blake.

Best arranged group of foliage and flowering plants covering 200 square feet: First, Wm. Whitman; second, Edward MacMulkin; third, Sidney Hoffman.

Orchids: Display arranged for effect, with foliage plants: First, Mrs. John L. Gardner; second, Edward MacMulkin.

Special prizes of the Josiah Bradlee fund, were awarded as follows:

Chrysathemums: Twenty-five blooms, of 25 distinct varieties named: First, R. W. Paterson; second, Peter B. Robb; third, Wm. Whitman. Six vases of six named varieties, 10 blooms each: First, Wm. Whitman.

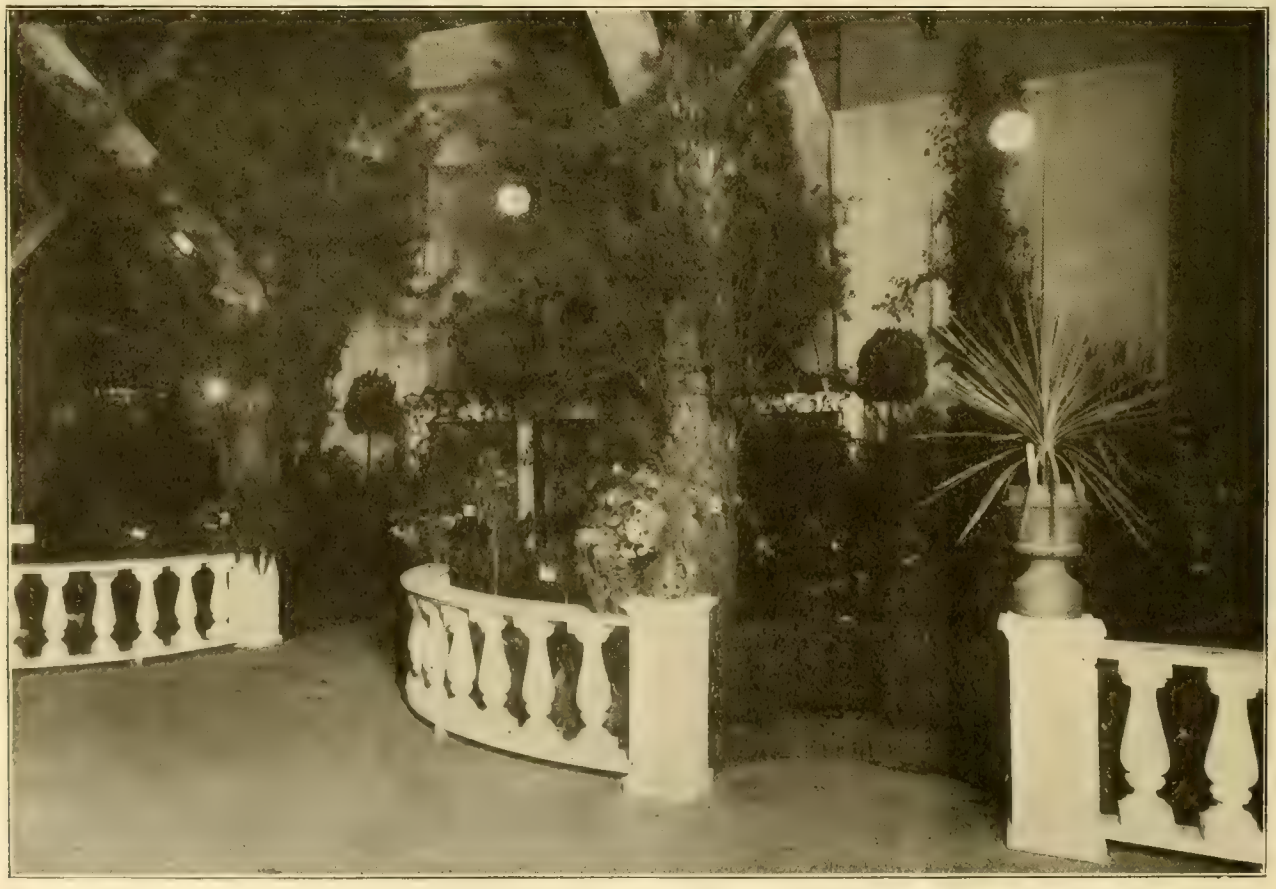
The Henry A. Gane memorial fund was awarded as follows: Chrysanthemums, for the best six specimen blooms of Mrs. Jerome Jones, Yellow Mrs. Jerome Jones, or any of the sports of seedlings of these two varieties: First, Arthur F. Whitin; second, James Nicol.

The society's prizes were awarded as follows:

Chrysanthemums: Twelve blooms, incurved, named: First, Mrs. C. C. Converse and Mrs. Lester Leland. Twelve blooms, Japanese, named: First, Peter B. Robb; second, Mrs. C. C. Converse and Mrs. Lester Leland. Twelve blooms, Japanese incurved, named: First, Mrs. Lester Leland. Twelve blooms, reflexed, named: First, Mrs. C. C. Converse and Mrs. Lester Leland. Twelve blooms, anemone, named; First, Mrs. C. C. Converse and Mrs. Lester Leland. Twelve sprays, pompon, distinct: First, Peter B. Robb; second, Mrs. C. C. Converse and Mrs. Lester Leland; third, Mrs. C. C. Converse and Mrs. Lester Leland. Six best varieties, named, introductions of the current year: First, Wm. Whitman; second, Mrs. C. C. Converse and Mrs. Lester Leland. Vase of 10 blooms on long stems, pink, named: First, Geo. F. Fabyan, Mrs. Morton F. Plant; second, Arthur F. Whitin, Wm. Duckham; third, Mrs. E. M. Gill, Dr. Enguehard. Red: First, Wm. Whitman, John Shrimpton; second, Geo. F. Fabyan, the same. White: First, Wm. Whitman, Merza; second, Wm. Whitman, Nellie Pockett; third, Geo. F. Fabyan, Beatrice May. Yellow: First, Arthur F. Whitin, Cheltonii; second, Seth A. Borden, Col. Appleton; third, Wm. Whitman, the same. Any other color: First, Geo. F. Fabyan, Donald McLeod; second, James Nicol, Harrison Dick.

Orchids: Display of named species and varieties, filling not less than 20 bottles: First, James E. Rothwell, the Appleton silver gilt medal; third, Edward MacMulkin, the Appleton bronze medal.

Carnations: Twenty-five blooms of any named crimson variety: First, Backer & Co. Twenty-five blooms any named Daybreak colored variety: First, P. Dexter; second, Exeter Conservatories. Twenty-five blooms, dark pink: First, Backer & Co. Twenty-five blooms light pink: First, Backer & Co. Twenty-five blooms scarlet: First, Backer & Co.; second, ditto; third, ditto. Twenty-five blooms white: First, Peter Fisher; second, Backer & Co. Twenty-five blooms yellow variegated: First, Back-



AT THE CHICAGO SHOW.

Model garden of Vaughan's Seed Store, Chicago

er & Co.; second, ditto; third, ditto. Twenty-five blooms white variegated: First, Backer & Co.

Gratuities: E. A. Clark, vase of chrysanthemums; Mrs. E. M. Gill, display of chrysanthemums; Wm. H. Elliott, display of chrysanthemums; Dr. C. G. Weld, five standard chrysanthemums; F. R. Pierson, 2 vases Carnation Winsor; Peter Fisher, vase of Carnation Evangeline; Wm. H. Elliott, two vases of roses, Richmond and Wellesley; Waban Rose Conservatories, two vases of roses, Wellesley and American Beauty; Julius Roehrs Co., display of orchids; Lager & Hurrell, display of orchids; Wm. Whitman, Cattleya labiata; N. Allen Lindsay, display of dahlias; Geo. H. Walker, dahlias; Wm. C. Winter, dahlias; C. D. Sias, six specimen plants Begonia Gloire de Lorraine; Edward MacMulkin, display of palms; R. & J. Farquhar & Co., palms; Geo. F. Fabyan, palms; Mrs. John L. Gardner, palms.

Silver medal: Miss E. Jackson Clark, collection of single chrysanthemums.

First class certificate of merit: Chas. H. Totty, chrysanthemum sport from Wm. Duckham.

Honorable mention: H. A. Jahn, carnations, No. 1, Jahn's white; and No. 2, Jahn's crimson; Wm. Sim, vase of new violet, sport from Princess of Wales; Cobbett School, Lynn, display of pompon chrysanthemums; F. R. Pierson Co., new fern; Peter B. Robb, seedling Cattleya Louise; F. W. Fletcher Co., Ficus altissima; E. O. Orpet, seedling cattleyas and laelias; Julius Roehrs Co., Tillandsia Duvalliana; Julius Roehrs Co., new Begonia Rex, the Marquis.

Special prizes for decorated dinner tables were awarded as follows:

For the best decorated dinner table, laid for six covers: First, Sidney Hoffman; second, J. J. Casey; third, Houghton & Clark. Highly commended, G. A. Severy & Co.

Gratuities: Mrs. John Shepard, display of chrysanthemums.

First class certificates of merit: W. A. Riggs, superior vase arrangement of specimen blooms of chrysanthemums.

Honorable mention: John Nilan, seedling Impatiens; J. S. Bailey, new fern; Louis Doupy, new chrysanthemum.

Tarrytown Horticultural Society.

The eighth annual exhibition of the Tarrytown Horticultural Society was held in the music hall, Tarrytown, N. Y., October 30-November 1, and was pronounced a greater success than any of the society's previous exhibitions. Chrysanthemums were an important feature of the show and the classes brought out much competition.

The event which perhaps evoked most interest was the competition for a splendid silver cup for the best arranged floral decoration for a circular dinner table seating 12 persons. White china plates were used, and no silver was allowed. Both tables and plates were furnished by the exhibition committee, but competitors were required to supply the necessary table linen. The table taking first prize was decorated with Adiantum Farleyense and cattleyas, corsage bouquets also of cattleyas, and boutonnieres of gardenias. The second best table was decorated with leaves of Ampelopsis Veitchii, berries of Berberis Thunbergii and crimson chrysanthemums, with crimson carnations for boutonnieres. This table was a very close second. Another table was decorated with Killarney roses, and a fourth with yellow pompon chrysanthemums. Others were of white and yellow chrysanthemums, and there was one decorated with Begonia Gloire de Lorraine, but this showed too much foliage. There were seven entries altogether.

VASE OF CHRYSANTHEMUMS AT BOSTON.
Exhibited by E. A. Clark, W. A. Riggs, gardener.

The groupings of plants were fully up to the standard of the society, and fine specimen plants were very much in evidence. While the exhibition was very largely open to all, commercial growers' entries were not very conspicuous. The F. R. Pierson Co., Tarrytown, had a fine exhibit, not for competition, composed of American Beauty roses, cornations, palms, ferns and other decorative and foliage plants. Among their carnations the variety Winsor, which they will send out next year was prominent and much admired. Charles H. Totty showed White Duckham, his principal chrysanthemum novelty for this season, and was awarded a certificate of merit. Lager & Hurrell of Summit, N. J., were also awarded a certificate for a nice display of orchids.

With the resources of the society for getting up a splendid exhibition it is a misfortune that a larger exhibition hall is not available in the town, exhibits in the music hall, the largest obtainable, being necessarily very much crowded.

Following are the awards: Chrysanthemums in pots, best bush plants, Frederick Potter, first; 12 plants, single stem and bloom, pots 6 inches or less, D. E. Oppenheimer; group of palms, foliage and miscellaneous plants, for effect, 100 square feet space, Mrs. J. B. Trevor, first. Best specimen palm, E. H. Weatherbee, first, Mrs. J. H. Hall second. Fancy foliage plant, other than palm, Mrs. Geo. Lewis first, Miss Blanche Potter second. Best specimen flowering plant, Mrs. Henry Siegel first. Six plants for table decoration, H. M. Flagler first, Theodore Trevillian second. Best six ferns for table decoration, Wm. Neidig first, Theodore Trevillian second. Best specimen fern, Mrs. J. B. Trevor first, E. H. Weatherbee second. Best pair of adiantums, other than Farleyense, Mrs. Geo. Lewis first, H. M. Flagler second. Best specimen A. Farleyense, Mrs. J. B. Trevor. Best six cyclamen plants, Frederick Potter first, Mrs. Geo. Lewis second. Best plant Begonia Gloire de Lorraine, Mrs. Henry Siegel first, J. Scott McComb second.

Chrysanthemums, cut blooms, best 25 blooms, distinct varieties, Giraud Foster first, Wm. Rockefeller second. Best 6 blooms, distinct varieties, E. C. Benedict first, Frederick Potter second. Best 6 blooms, white, Frederick Potter first, A. Hecksher second. Best 6 blooms, yellow, Winthrop Sargent first, Frederick Potter second. Best 6 blooms, pink, Frederick Potter first, A. Hecksher second. Best 6 blooms, crimson, Frederick Potter first, A. Hecksher second.

Cut roses, best 12 American Beauty, Mrs. Geo. Lewis first, Mrs. J. B. Trevor second. Best 12 pink, Mrs. H. F. Osborn first, Frederick Potter second. Best 12 white, Miss Blanche Potter first, Howard Willets second. Best 12 yellow, Mrs. J. B. Trevor first, Frederick Potter second. Best 12 crimson, A. Hecksher first, Mrs. Geo. Lewis second. Best 12, any other color, Mrs.

GROUP CHRYSANTHEMUM AND FOLIAGE PLANTS AWARDED FIRST PRIZE AT BOSTON

Exhibited by Mrs. J. L. Gardner, Wm. Thatcher, gardener.

Geo. Lewis first, Frederick Potter second.

Carnations, cut bloom, for private gardeners only, best 18, three varieties, six of each, E. C. Benedict first, Frederick Potter second. Best 12 blooms, white, Frederick Potter first, Mrs. O. B. Jennings second. Best 12 blooms, scarlet, E. C. Benedict first, Mrs. O. B. Jennings second. Best 12 blooms dark pink, Fred'k Potter first, Mrs. O. B. Jennings second. Best 12 blooms, light pink, J. J. Riker first, Mrs. Henry Siegel second. Best 12 blooms, streaked, Fred'k Potter first, Mrs. H. F. Osborn second. Best 12 blooms, crimson, Mrs. O. B. Jennings first, Fred'k Potter second.

Carnations, cut blooms, for commercial growers only. Best vase, 50 blooms, one variety, F. R. Pierson Co. first.

Violets. Bunch of 50 double blue, Howard Willets first, the Misses Masters second. Bunch of 50 single blue, Miss B. Potter first, Mrs. J. B. Trevor second. Bunch of 100 double blue, Herman Bowman first, Richard Langle second. Bunch of 100 single blue, Herman Bowman first, Richard Langle second.

Special prizes for the best new decorative plant not now in commerce, society prize, silver medal, Scott Bros., Elmsford nurseries, first, with a new dracæna; Theodore Trevillian second, certificate of merit for a new dwarf fern. Best 12 blooms of chrysanthemums, Glenview; F. R. Pierson's prize, silver cup. Wm. Rockefeller first, Emil Berolzheimer second. Most effectively arranged table of decorative plants, 3½x12 feet, for private gardeners only, prizes by Pierson U. Bar Co., Emil Berolzheimer first. Best vase of 25 carnations, any one color, one variety, for private gardeners only, prizes by Vaughan's Seed Store, Wm. Rockefeller first, Mortimer L. Schiff second. Largest chrysanthemum bloom selected from all exhibits, prize by Charles Vanderbilt, Winthrop Sargent. For the best vegetables grown out of doors, 12 species, one variety of each, prize by Arthur T. Boddington, Giraud Foster first, Miss McCormick second. For the best essay on growing vegetables in the garden, prize by Peter Henderson & Co., James Donald. For the best arranged floral decoration for circular dining table seating 12 persons, prize by Mrs. Stuyvesant Fish, silver cup, Mrs. Geo. Lewis first, Emil Berolzheimer, certificate of merit. For the best miniature flower garden, 2½x3½ ft., for assistant gardeners only, prize by Wm. F. McCord, Wm. Rockefeller first, Joseph Eastman second. Best 12 cut Richmond roses, prizes by Mrs. Osborn, Mrs. Geo. Lewis first, silver cup; Edw. Cosgrove second. Best two chrysanthemum plants, bush form, Wm. Rockefeller first, Frederick Potter second. Best 12 blooms chrysanthemums, distinct varieties, Giraud Foster first, Wm. Rockefeller second. Best collection pompon chrysanthemums grown outdoors, Mrs. O. B. Jennings first, Frank H. Presby second. Best three plants Baby Rambler roses, President Joseph Mooney's prize, Mrs. H. F. Osborn first, Mrs. J. H. Whitehouse second. Best 36 blooms chrysanthemums, six varieties, six of each, Emil Berolzheimer first. Best 36 carnations, six varieties, six of each, Wm. Rockefeller first, Mrs. Osborn second. Best vase 25 blooms of chrysanthemums, Mrs. J. B. Trevor first, D. E. Oppenheimer second. Best Kentia palm, Mrs. Geo. Lewis. Best arranged centerpiece for table, Mrs. Lewis first, Mrs. Trevor second.

Monmouth County Horticultural Society.

The eleventh annual show of this society was held at the town hall, Red Bank, N. J., October 31 and November 1. The show was up to date in every particular. Wm. Turner, superintendent at the M. C. Borden estate, Oceanic, N. J., was placed first in the class for 25 cut blooms, showing T. Carrington, Henry Barnes, Salter, Merstham Red, Montigny, Mrs. Duckham, D. Willis James, Merza, Donald McLeod, Appleton, Heaume, Cheltoni, Ethel Fitzroy, Mrs. H. Partridge, Ben Wells, Mrs. J. E. Dunne, Wm. Duckham, F. S. Vallis, Beatrice May, F. A. Cobbold, Loveliness, Nelly Pockett, Mrs. W. Knox, H. J. Jones, and Morton F. Plant. The same grower won in the class for 36 blooms, six varieties showing Wm. Duckham, Ben Wells, Ethel Fitzroy, Morton F. Plant, Nelly Pockett and Cheltoni.

Geo. H. Hale, superintendent at E. D. Adams' estate, Seabright, N. J., was first for 12 blooms, distinct varieties, closely followed for second place by Anton Bauer of the Daniel O. Day's estate. In the class for 18 blooms in six varieties G. H. Hale was first, N. Butterback, superintendent at the C. N. Bliss estates, second. For six yellow, six white, six pink, six crimson, six bronze and six any other color, Wm. Turner and Geo. H. Hale took first and second prizes respectively in all the classes. This order was just reversed in the class for 25 flowers arranged for effect, Geo. H. Hale being first and Wm. Turner second. Anton Bauer was first, and N. Butterback second, for groups of chrysanthemums. For single specimen plant Geo. H. Hale was first, H. S. Kettel, superintendent at the James Loeb estates, Fairhaven, N. J., second. Bush plant: Geo. H. Hale, first; Wm. Dowlen, Seabright, N. J., second. Anemone: Geo. H. Hale, first; H. S. Kettel, second. For a group of foliage plants. H. S. Kettel was first; N. Butterback, second; this order being reversed for the specimen palm. For foliage plants: Wm. Turner, first; Geo. H. Hale, second. For 6 distinct ferns: N. Butterback was first; Geo. H. Hale, second. For 25 American Beauty roses, W. W. Kennedy, of the A. Freedman estate, was first; Geo. H. Hale, second. In the classes for vase of Bride, Bridesmaid and any other variety N. Butterback was first, the second in each case being taken by W. W. Kennedy.

In the carnation classes the chief prize winners were Wm. Turner, H. S. Kettel, W. W. Kennedy and Wm. Tierney, of the A. R. Bradley estate, Montclair. In those for fruit the prizes were taken by W. W. Kennedy, Geo. H. Hale, H. S. Kettel and Geo. Kuhn of Dr. E. Parmley estate, Oceanic, N. J. For greenhouse grapes, both white and

MORRIS COUNTY GARDENERS' AND FLORISTS' SOCIETY, MADISON, N. J.

General exhibit of roses at flower show.

black, Wm. Turner and Geo. H. Hale took first and second prizes respectively. Geo. Kuhn, Jas. Kennedy, N. Butterback and Geo. H. Hale divided the vegetable prizes. W. W. Kennedy exhibited a fine seedling of Gaza x T. Carrington.

C. Totty, Madison, N. J., exhibited some fine white Duckham chrysanthemums. This is a sport from Wm. Duckham equal to the parent form. A certificate of merit was given. Lager & Hurrell, Summit, N. J., had the same award for a fine display of orchids, and W. W. Kennedy, Red Bank, N. J., also received it for his new seedling chrysanthemums.

B.

Morris County Gardeners.

The eleventh annual flower show of the Morris County (N. J.) Gardeners' and Florists Society was held in the assembly rooms at Madison, N. J., November 1-2, and was a notable success. The exhibits of both commercial and private growers were up to the usual high standard seen here, and the show was more than ordinarily well attended. The general arrangement of the floor was, with few exceptions the same as last year. The vegetable and fruit department was but scantily patronized, owing no doubt to the fact that it was overcrowded at the last exhibition, and intending exhibitors were not aware of the fact that this difficulty was to be obviated on this occasion. A cone-shaped group in the center of the hall was very cleverly arranged, the composition being pom pom chrysanthemums based with begonias and Asparagus plumosus, and topped with crotons surmounted by a tall specimen kentia. The large stage was banked with a splendid grouping of chrysanthemums and foliage plants. The staging of roses was exceptionally good for the time of year and despite the fact that roses are only recovering from a hard season. The Bride and Bridesmaid roses, also American Beauty, shown were quite worthy of the representation of the growers in the Madison district. Killarney was a strong candidate for favoritism, and Richmond, as shown here, proved that it had far from forfeited the good opinion of its growers and could well compensate for its rather poor commercial showing during the summer months. The carnation classes showed some good stagings for the time of year, Enchantress rather leading in length of stem and size of flower. Victory was easily ahead among the crimsons, and Winsor, the new pink, which was not entered for competition, made a fine showing. Fiancee and Robert Craig were other new varieties to be seen. The stagings of chrysanthemums were elaborate, notwithstanding the backwardness of the season. There were not so many new varieties on exhibition as have been noted previously. A decided novelty was White Duckham, presented by C. H. Totty, of Madison. With the exception of color it is an exact counterpart of pink Wm. Duckham. Among other new varieties shown by Mr. Totty were Mrs. A. T. Miller, a beautiful white, large flower, incurved; Miriam Hankey, a fine pink; Mrs. Henry Barnes, old rose. There was a fair showing of bush chrysanthemums, the most distinctive bush probably being one exhibited, but not in competition, by Arthur Herrington, the variety being Mrs. Tranter, appearing in a 12-inch pot and bearing over 300 flowers. The staging of most of the short-stemmed specimens of chrysanthemums was backed with a bank of adiantum, which minimized the effect of bareness usually observed in such staging. Among the specimen plants exhibited was a grand pot of Adiantum Farleyense, the fern being 3x3 feet in area. The following were the awards:

CHRYSANTHEMUMS.

Thirty-six flowers in six varieties, six of each.—R. D. Foote, Morristown, N. J., R. Vince, gardener, first.

Eighteen flowers in six varieties, three of each.—O. H. Kahn, Morristown, N. J., Jas. Fraser, gardener, first; Brooklawn Farms, Morristown, John Downing, gardener, second.

Twelve flowers in twelve varieties, in one vase.—R. D. Foote, first; O. H. Kahn, second.

Ten flowers, and pink variety, Stumpp & Walter, special prize.—O. H. Kahn, first.

Twenty-four flowers, in 24 distinct varieties, stem not to exceed 12 inches, shown in single vases.—R. D. Foote, first.

Twelve flowers in 12 distinct varieties, stem not to exceed 12 inches.—Brooklawn Farms, first; O. H. Kahn, second.

Six flowers in six distinct varieties, stems not to exceed 12 inches.—Geo. E. Kissel, Morristown, N. J., H. Vyse, gardener, first; A. R. Whitney, Morristown, G. Heereman, gardener, second.

Six flowers, any pink variety.—O. H. Kahn, first; A. R. Whitney, second.

Six flowers, any white variety.—A. R. Whitney, first; Brook Lake Farms, Madison, N. J., A. R. Kennedy, gardener, second.

Six flowers, any yellow variety, Geo. E. Kissel, first; Stewart Hartshorn, Short Hills, N. J., R. T. Caparn, gardener, second.

Six flowers, any color except pink, white or yellow.—Brook Lake Farms, first; Geo. E. Kissel, second.

Six flowers of Glenview, special prize by F. K. Pierson Co., Tarrytown, N. Y.—R. D. Foote, first; A. R. Whitney, second.

Six flowers, 1905 introduction, in six distinct varieties, short stem in single vases.—R. D. Foote, first.

Six flowers, 1906 introduction, in six varieties, short stem in single vases.—R. D. Foote, first; Brook Lake Farms, second.

Vase of flowers with other foliage, arranged for effect.—L. A. Theband, Morristown, N. J., Edward Reagan, gardener, first; O. H. Kahn, second.

Best display of pompon chrysanthe-

FICUS PANDURATA IN FRUIT.

Grown by the Robt. Craig Co., Philadelphia, Pa.

mums, number of vases not to exceed 10.—J. N. May, Summit, N. J., first; C. H. Totty, Madison, N. J., second.

Ten flowers, any white variety.—C. H. Totty, first; C. A. Work, Madison, N. J., Wm. Muhlmichel, gardener, second.

Ten flowers, any yellow variety.—Frank L. Moore, Chatham, N. J., first; C. A. Work, second.

ROSES.

One vase, 25 blooms, Richmond, vice-president's special prize.—C. H. Totty, first; C. A. Work, second; Lyman B. Coddington, third.

Eighteen American Beauty—L. M. Noe, Madison, first; H. Hentz, Jr., Madison, second.

Twenty-five Bridesmaid.—H. A. Neuner, Chatham, first; Hy. Hentz, Jr., second; D. Falconer, Madison, third.

Twenty-five Bride.—L. A. Noe, Madison, first; D. Falconer, second; Wm. D. Badgley, Chatham, third.

Twelve Bridesmaid.—J. T. Wagner, Madison, E. C. McDaniel, gardener, first; L. V. Badgley, New Providence, N. J., second.

Twelve Bride.—L. M. Noe, first; L. V. Badgley, second.

Six Bridesmaid.—C. H. Totty, first.

Six Brides.—A. R. Whitney, first; C. H. Totty, second.

Six American Beauty, W. E. Marshall & Co.'s prizes. — Brook Lake Farms, first; D. Willis James, Madison, Wm. Duckham, gardener, second.

Six teas, any variety, Marshall prizes.—Brook Lake Farms, first; G. M. Millan, Morristown, A. Brown, gardener, second.

CARNATIONS.

Two vases, 25 blooms each, one variety white, other any variety, one color competition, open to private gardener members only, silver cup by R. & J. Farquhar, to be won twice for ownership, Wm. Duckham, first; R. Vince, second.

One vase, 25 blooms in variety, special prize by Vaughan's Seed Store, open to private gardeners only.—R. Vince, gardener to R. D. Foote, first.

One vase, 25 blooms, any one variety, introduced prior to 1905, special prize by A. H. Secker.—J. N. May, first; R. M. Schultz, Madison, second.

Three vases, in three varieties, 12 blooms each.—R. D. Foote, first; A. R. Whitney, second.

One vase, 12 blooms, one variety.—O. H. Kahn, first; R. D. Foote, second; C. H. Totty, third.

Vase of Victory carnations, special prize by Alex. J. Guttman.—C. H. Totty, first; A. R. Whitney, second.

VIOLETS.

One bunch single blue, 50 flowers.—John Crosby Brown, Orange, N. J., Peter Duff, gardener, first; R. D. Foote, second; one bunch double blue, 50 flowers.—Wm. Morstatt, New York, certificate of merit.

GROUPS.

Chrysanthemum plants in flower, with foliage plants, space not over 50 square feet, special prize by Pierson U. Bar Co.—A. R. Whitney, first; D. H. McAlpine, second; Geo. E. Kissel, third.

Three specimen chrysanthemum plants in flower, 12-inch pots or less.—John Crosby Brown, first.

Best specimen chrysanthemum plant in flower, John Crosby Brown.

Twelve chrysanthemum plants in flower in 12 varieties, single stem, limit 6-inch pots.—J. C. Brown, first; R. D. Foote, second.

Six chrysanthemum plants in flower, in six varieties, single stem, pots limited to six inches.—A. R. Whitney, first.

VEGETABLES AND FRUIT.

Best display of vegetables in 12 kinds—special prize by Arthur T. Boddington.—D. Willis James, Wm. Duckham, gardener.

Best collection of 12 distinct kinds—special prizes by Peter Henderson & Co.—A. R. Whitney, first; Stewart Hartshorn, second.

Best collection of six distinct kinds.—special prizes by Weeber & Don.—Geo. E. Kissel, first.

Six heads of celery, one variety.—D. W. James, first; R. D. Foote, second.

CERTIFICATES OF MERIT.

F. R. Pierson Co., Tarrytown, N. Y., Winsor carnation.

Lager & Hurrell, Summit, N. J., display of orchids.

D. Willis James, specimen Pandanus Sanderi.

C. H. Totty, collection of pompon chrysanthemums.

Henry Hentz, Jr., vase of Killarney roses.

L. M. Noe, vase of Meteor roses.

R. D. Foote, specimen plant Adiantum Farleyense.

Nassau County Horticultural Society.

The second annual exhibition of the Nassau County Horticultural Society was held October 31 in the Pembroke hall, Glen Cove, L. I. The display was very fine and included exhibits from as far away as Lenox, Mass. Roses and carnations were excellent and made a fine display. There was a fine exhibit, not for competition, of orchids by Lager & Hurrell, Summit, N. J., and of fruit, by Jas. Holloway, gardener at the Pratt estate.

The Troy cup, presented for the best collection of outdoor roses, was won for the year by L. I. Forbes, gardener to R. J. Preston, Jericho. The Ladew silver cup, presented by Mrs. B. W. Ladew, went to Mr. Harrison, superintendent at Elsinore. W. Eccles, gardener to Mortimer Schiff, won the Mrs. Percy Chubb cup for the best collection of carnations. The special prizes presented by Vaughan's seed store, New York, for the best six heads of celery went to J. Hennessy, G. H. Morgan, Lenox, Mass., and H. F. Johnston, gardener at the Dana estate. Mrs. Paul Dana's special prizes went to Alexander MacKenzie and H. F. Johnston. The Weeber & Don prize, for six varieties of chrysanthemums, went to A. MacKenzie. Mrs. J. K. O. Sherwood's special prize of $10 was won by Felix Mense for violets.

Rickards Bros.' special prizes for foliage plants were won by Mrs. Ladew's and J. R. Maxwell's exhibits, and A. MacKenzie won the F. R. Peterson prize for the best 12 Glen Cove chrysanthemums. The association's prize, for the best collection of carnations shown by a commercial grower, went to C. F. Bartanzel, this grower also winning in the floral design class, F. G. Boulen second. F. G. Boulen was first for a bridal bouquet.

In the regular classes A. MacKenzie, H. F. Johnston and Peters & Son, of Hempstead, were among the winners. W. Eccles, gardener at the Mortimer Schiff estate, Oyster Bay, was also a prize winner. Other fortunate private exhibitors were F. S. Smithers, L. J. Busby, G. R. Sheldon, E. R. Ladew, E. H. Sayer and J. A. Young, while the best commercial exhibits came from F. Bonlen & Son, Peters & Son, J. Hennessey and Jacob Bracher, East Williston. For 12 varieties of vegetables G. H. Morgan was first, Paul Dana and G. R. Sheldon second and third. In the children's exhibits Augusta Matz, F. Matz, Gertrude Trepass, W. Meyer, Margaret MacKenzie, Walter Hahn, David Burns and Leon Homan were successful.

Bay Shore Horticultural Society.

The fifth annual exhibition of the United Bay Shore Horticultural Societies, which opened November 1 in the Carleton opera house, was bigger and better than any of its predecessors. The display was magnificent, and was so arranged as to make the effect even more pleasing than ever before.

The display of chrysanthemums was, as usual, the center of attraction. The finest came from the county seat of S. T. Peters, William McCullom, gardener. Another rare exhibit from the Peters place was a fine collection of stove and greenhouse plants. These occupied a position on the stage, but the group was finer than any yet shown, and included many rare and costly plants. Mr. Peters was the heaviest winner of the day, taking 36 awards. The Bossert-Timmerman-Wagstaff places also made a fine showing. The Central Islip hospital exhibit of vegetables was, as usual a feature. The following is a partial list of the awards:

Largest collection of vegetables, not more than one variety of a species, prize $6, donated by Henderson & Co., won by S. T. Peters.

Collection vegetables, 12 distinct species, purse $6, donated by Arthur T. Boddington, won by S. T. Peters.

Collection vegetables of six distinct species, first prize $5, second $3, won by the Hon. C. A. Schieren; William Andrews, second.

Best four heads celery, prize $2, donated by John Rogers, won by Mrs. E. S. Knapp; S. T. Peters, second.

Best 12 blooms chrysanthemums, not less than four varieties, first prize, $6, second $4, won by Cola Wagstaff; S. T. Peters, second.

Best six blooms chrysanthemums, first prize $6 donated by Chas. H. Totty, won by S. T. Peters.

Best 12 blooms chrysanthemums, distinct varieties on boards, prize $6, donated by Slumpp & Wallon Co., won by S. T. Peters.

Best 12 stove or greenhouse plants, $6, won by S. T. Peters.

Best vase roses, prize $5, donated by Mrs. P. J. O'Neil, won by S. T. Peters.

Best three bush-grown chrysanthemum plants, first prize, $7, donated by C. E. Coddington, won by S. T. Peters.

Best 24 blooms chrysanthemums, first prize $6, second $4, donated by J. Adolph Mollenhauer, won by Col. A. Wagstaff; Louis Bossert, second.

Best 25 chrysanthemums, first prize, $5, second $3, donated by James Kempter, won by Louis Bossert; Eugene P. Strong, second.

Group stove or greenhouse plants, prize $10, won by S. T. Peters.

Largest six chrysanthemum blooms, distinct varieties, prize $6, donated by W. D. Peck, won by S. T. Peters.

Best 25 blooms chrysanthemums, distinct varieties, prize $10, donated by Mrs. M. K. P. Fuller, won by S. T. Peters.

Best bush plant of chrysanthemums, white, first prize $3, donated by W. A. Hulse, won by Edwin Thorne.

For best bush plant, pink, prizes $3 and $2, donated by S. F. Rothschild, won by E. Thorne, first; S. T. Peters, second.

Best bush plant chrysanthemums, yellow, prize $3, donated by E. C. Blum, won by E. Thorne; S. T. Peters, second.

For best group chrysanthemums in pots to occupy 50 square feet, first prize $15, second $10, donated by W. L. Andrews; first prize, S. T. Peters; Louis Bossert, second.

Largest chrysanthemum bloom in show, prize $5, donated by Francis Gibson, won by S. T. Peters.

Best six three-stemmed chrysanthemums, Mrs. E. S. Knapp, first; W. L. Andrews, second.

Special society prize for best 12 blooms chrysanthemums, any one variety, first premium each year to count as one leg on a silver cup, to be given by the society, which must be won three times before it becomes the property of the successful winner. The winner must be the actual cultivator of the plants, won by S. T. Peters.

Stove and greenhouse plants, best specimen palm, L. Bossert, first.

Best two adiantum ferns, Louis Bossert, first.

Six geraniums, any variety, E. P. Strong, first.

Chrysanthemums in pots, best yellow and pink, L. Bossert.

Six plants, single stem, six varieties, S. T. Peters, first; L. Bossert, second.

Six plants, single stem, Louis Bossert, first; S. T. Peters, second.

Six plants, single stem, yellow, L. Bossert, first; E. P. Strong, second.

Chrysanthemums, cut blooms, six each, white, first, L. Bossert; second, S. T. Peters; pink, S. T. Peters, first; L. Bossert, second; yellow, C. T. Harbeck, first; S. T. Peters, second; crimson, S. T. Peters; any other color, S. T. Peters, first; W. L. Andrews, second; pink, yellow, white, E. P. Strong.

Roses, 12 American Beauty, S. T. Peters.

Twelve white, F. H. Kalbfleisch, first; S. T. Peters, second.

Twelve yellow, F. H. Kalbfleisch, first; H. L. Patthey, second.

Carnations, 12 blooms scarlet, H. G.

Timmerman, first; S. T. Peters, second; crimson, H. G. Timmerman, first; E. Thorne, second; light pink, E. Thorne, first; H. G. Timmerman, second; pink, H. G. Timmerman, first; L. Patthey, second; dark pink, L. Bossert, first; L. Patthey, second; white and seedling, E. Thorne.

Southern California Horticultural Society.

The annual chrysanthemum show of the Southern California Horticultural Society was given October 31 to November 3, at Los Angeles, Cal. On the whole the chrysanthemums shown were first class for outside flowers. Varieties, such as Queen, Saunders and Golden Wedding, were very good. There were some very good field-grown carnations shown. One of the best features of the show was an artificial pond showing the pond lilies in their natural state.

Edward H. Rust of Pasadena showed some very fine palms and ferns. Howard Smith had a good collection of palms, also a fair collection of stove plants. Dietrich & Houston showed up well in palms and ferns.

E. Meserve had a fine collection of 10 different varieties of field-grown carnations. The Hollywood Rose Co. made a fine exhibit of field-grown Mme. Cochet and Chatenay roses.

One thing the writer noticed was that they are a little behind here in rules regarding exhibits, and also judging. For instance, two of the florists sent to San Francisco for roses and carnations. One man the writer knows has not a foot of glass and the society allowed him to exhibit these as his own grown and awarded prizes on same. In judging the floral decorations some remarkable decisions were given.

A. Wiegand, of A. Wiegand and Sons, of Indianapolis, was a visitor in this city a few days ago homeward bound from Honolulu. O.

Society of American Florists.

EXECUTIVE COMMITTEE MEETING.

A meeting of the executive committee was held at Chicago, November 8, there being present Wm. F. Kasting, president; J. C. Vaughan, ex-president; H. M. Altick, vice-president; Wm. J. Stewart, secretary; Theo. Wirth, E. V. Hallock, W. H. Elliott and P. J. Hauswirth. It was decided to proceed with the international exhibition to be held in Chicago in 1908, according to instructions, completing the guarantee fund. The committee having the matter in hand was increased to 50 members. At the following day's session Mr. Elliott was absent and John N. May and A. Herrington, who were in the city, were called upon to participate. The session was devoted largely to the completion of the committee and the appointment of those sub-committees whose work should commence fully two years in advance of the event. In the selection of suitable men it was aimed to make the general committee thoroughly representative geographically and in the way of covering every important department of horticulture.

THE LADIES' AUXILLIARY.

Under date of November 4, we are requested to publish the following so that no one may be overlooked:

"While at the S. A. F. convention at Dayton, O., a few ladies seeing so many with whom they were not acquainted, took it upon themselves to call a meeting on Friday, August 24, to consider a pin for identification. Mrs. W. J. Vesey, of Fort Wayne, Ind., was chosen chairman, and four ladies to confer with her, Mrs. E. A. Scribner, Detroit, Mich., Miss Tillie Meinhardt, St. Louis, Mo., Mrs. John Sibson, Philadelphia, Pa., Mrs. Charles H. Maynard, Detroit, Mich., and it was voted to leave the selection of the pin with them.

"On September 11 another meeting was held at the home of the chairman, Mrs. W. J. Vesey, where the auxiliary question was put under the same committee. Mrs. Scribner was appointed treasurer, Mrs. Maynard secretary. It was voted to call a meeting at Philadelphia next summer at the date of the S. A. F. convention. In the meantime we wish to get as many ladies to join as charter members before January 1, as possible. Fee for joining, including pin, $3, annual dues thereafter $1. First year to end January, 1908. We wish your hearty co-operation in forming a society of our own, where we can get to know each other socially and educationally. We have quite a list of members as a start, and prospects are good for a large society. Applications for membership and pin may be sent to the secretary, Mrs. Charles H. Maynard, 219 Horton avenue, Detroit, Mich,."

OTAHEITE ORANGE.
Grown by the Robt. Craig Co., Philadelphia, Pa

PROTEST AGAINST EXPRESS RATES.

The following is the text of the petition filed with the interstate commerce commission against the United States Express Co.:

The petition ot fhe above named complainant respectfully shows:

1.—That complainant is a corporation organized and existing under the laws of the United States by virtue of an act of congress of March 4, 1901, having its principal office at the city of Washington, in the District of Columbia, and is engaged in the development and advancement of floriculture and horticulture throughout the United States. That one branch of its duties is to protect the interests of its members in regard to transportation rates and facilities; and this proceeding is brought on behalf of its members located at certain points in the states of New Jersey and Pennsylvania who are engaged in interstate shipments of flowers to the city of New York, in the state of New York, over defendant carrier's express lines.

2.—That the above named defendant is an express company engaged in interstate commerce as a common carrier by express over various lines of railroad in different states of the United States, more particularly between points in the states of New Jersey and Pennsylvania and points in the state of New York, and as such common carrier is subject to the provisions of the act to regulate commerce, approved February 4, 1887, as amended by the act of June 29, 1906, entitled "An Act to Amend an Act entitled 'An Act to Regulate Commerce,' approved February 4, 1887, and all acts amendatory thereof, and to enlarge the powers of the Interstate Commerce Commission."

3.—That in the course of their business members of complainant association located at various points in New Jersey and Pennsylvania make shipments of flowers from such points to the city of New York. That quick handling of these shipments is so essential that the use of defendant's express line, even at higher rates than those of railroad companies, has been and is absolutely necessary. That on or about the first day of May, 1906, defendant arbitrarily and unjustly increased its express charges on flowers

from the points named to New York city. That the following table shows the places, the express charges prior to May 1, 1906, and the advanced express charges of defendant, in cents per 100 pounds:

From—	Charges prior to May 1, 1906.	Charges since May 1, 1906.
Somerville, N. J.	50	100
Chatham, N. J.	50	100
Allentown, Pa.	60	100
Philadelphia, Pa.	75	100
Hillside, Pa.	75	100
Dorranceton, Pa.	75	100

That said advance in charges by defendant was altogether unwarrantable and unjustified by the circumstances of the case, and the present charges are unjust and unreasonable of themselves and generally. That complainant's members at said points are willing to pay express charges largely in excess of what carriers by railroad would be likely to charge on such commodity between the same points, but it alleges that the above named advanced rates are so unjust and so much in excess of what they should be that their exaction is very nearly ruinous. That prior to May 1, 1906, the empty boxes or cases which contained the flowers were either returned free or at a nominal charge by defendant from New York city to said points, but that since said date defendant unreasonably exacts the same charges per 100 pounds for the return of the emties as it exacts for the flowers themselves. That this additional burden placed on such shippers is unjustified and should be changed. That these flower shipments are, in a majority of cases, delivered by complainant at the railroad stations, and the defendant is not required to call for them at the greenhouses. That the markets in New York city are bunched in a very circumscribed area so that in cases of delivery to places of business defendant is not required to cart shipments long distances. That the express carriage of flowers does not call for any special service other than promptness of delivery, and much of the cost which defendant has to assume in collecting and delivering ordinary merchandise is eliminated.

4.—That by reason of the premises defendant has been and is subjecting complainant's members at said points in New Jersey and Pennsylvania and their shipments of flowers to the payment of unjust and unreasonable express charges, as above set forth, and has been and is subjecting such members, the places in New Jersey and Pennsylvania, and the traffic in flowers, to unjust discrimination and unreasonable prejudice and disadvantage, in violation of the provisions of the act to regulate commerce, as amended, and more particularly sections one, two and three thereof.

Alderman Peter Reinberg.

Wherefore, complainant prays that the defendant be required to promptly answer the charges herein; that after due hearing and investigation an order be made requiring said defandant to wholly cease and desist from the aforesaid violations of the provisions of said act to regulate commerce, as amended; that a further order be issued fixing reasonable and just rates for the transportation of flowers by defendant between said points in New Jersey and Pennsylvania and the city of New York, N. Y.; that the commission also prescribe such rules or regulations, in lieu of those now existing over defendant's line, as will in the future operate to prevent the continuance of any unjust discrimination or undue or unreasonable prejudice or disadvantage to said New Jersey and Pennsylvania points and to complainant association's members, in the matter of the transportation of flowers from said points to New York city; and that such other and further orders may be entered as the commission may deem necessary in the premises and complainant's cause may appear to require. Dated at Boston, Mass., October 5, 1906. WM. J. STEWART, Sec'y.

WITH THE GROWERS

Reinberg's Twenty Years of Progress.

The development of the flower business in America has been phenomenal all around, but nowhere, perhaps, has there been a more striking rise from small to great things, than in the colossal business built up during the last two decades by Peter Reinberg, of Chicago. Twenty years ago this noted florist started business in a very modest way as a lettuce grower, the entire glass plant at first consisting of three small houses each 25x125 feet. A year afterwards the plant was increased by the erection of four more houses of similar size, still for the growing of lettuce.

Having been successful with this, and noting the advancing popularity of the rose and carnation as commercial flowers, a rose section, consisting of four more houses, was the next year's venture. Roses were planted in all but one bench, and this was devoted to carnations. It was seen that there were great possibilities in the cut flower business, and out the lettuce had to go. The

GREENHOUSES OF PETER REINBERG, CHICAGO, NEW AMERICAN BEAUTY ROSE SECTION IN BACKGROUND.

ensuing season found all the houses filled with roses and carnations, another four having meanwhile been built.

After this houses were added every year, and from that time to the present the story of the place has been a steady, consistent, and very rapid rise, until today there are 110 houses, all of modern construction, covering 25 acres of land, and containing in the aggregate in the neighborhood of 1,500,000 feet of glass. During the present year a large section has been added to meet the ever increasing demand for American Beauty roses, 11 houses, covering five acres, having been erected and filled with the popular favorite. Just now these plants are looking very happy and well content with their new quarters, and a healthier or cleaner lot it would be difficult to find. Foreman Collins when asked what he did for black spot, that frequent foe of the Beauty grower, said "Keep it out." No doubt he is right, but this it seems is just what some growers cannot do. It is evident by the condition of these plants that they were clean when planted, put into clean quarters, and kept clean by careful and judicious attention to cultural details.

MAIN BLOCK OF GREENHOUSES AT PETER REINBERG'S, CHICAGO.

From such an acreage of glass very select flowers in immense quantities are gathered, and as it is the invariable rule to send out nothing but perfectly fresh blooms it is no wonder that the demand for Peter Reinberg's stock is so good. "No fear of our shipping stale blooms," says Leonard Kill, the genial manager of this great place, "for we are sold out every day, and often put to it to find sufficient for the numberless orders we get. The flowers go practically from shore to shore, east and west, north and south, demanding their quota, and all give such universal satisfaction that repeat orders are the inevitable result.

It is evident that the great increase has been a surprise even to Peter Reinberg himself, for it is noteworthy that on every occasion of a large addition to the glass area no facilities for a further extension were provided, and each great block of houses was made practically complete in itself. But they are quite big enough to handle as it is, and if larger they would possibly be less handy. Naturally the varieties are grown here very largely, the lists given below being the figures for the present season.

ROSES.

American Beauty	110,000
Richmond	38,000
Bride	35,000
Bridesmaid	35,000
Uncle John	30,000
Madame A. Chatenay	27,000
Liberty	15,000
Ivory	15,000
Perle	14,000
Mrs. Marshall Field	7,500
Sunrise	5,000
Killarney	3,000

Here we have a grand total of 334,500 plants in all and the figures are instructive. It is not suprising to see American Beauty top the list, though the number is prodigious. It is a great tribute to the worth of the comparitively new Richmond to see it holding second place, and those who are decrying this fine rose for lack of substance cannot surely be in the majority. The value of the sister varieties, Bride and Bridesmaid, is well shown by their running a dead heat for third place. It will be long before these superb roses are beaten for general utility. Uncle John has a good place, this sport from Ivory having evidently a good hold on the public favor. The beautiful Mme. A. Chatenay deserves its position, its fine habit, long stems, and sweetly scented flowers and foliage all being points in its favor. The new Mrs. Marshall Field which has not yet been placed on the open market will doubtless be much more largely grown as stock of it can be worked up. Those who have seen it in the stores and decorations cannot but admit its exquisite character. Bright rosy pink flowers, with long leafy stems, and a fragrance equal to that of American Beauty are its principal characteristics.

CARNATIONS.

Mrs. Lawson	20,000
Boston Market	20,000
Enchantress	10,000
White Lawson	7,000
Cardinal	7,000
Nelson	5,000
Nelson Fisher	5,000
Bountiful	5,000
Patten	3,000
Estelle	2,000
R. Craig	1,000

This makes a total of 85,000 carnations benched for cutting from, and to anyone interested the sight of the great houses filled to repletion with fine healthy plants is one to be remembered. This by no means represents the total number handled here, as over five acres of field plants are annually grown. No less than 50,000 Enchantress alone were planted, and so keen is the demand for this popular sort that every plant available has been sold. In fact Mr. Reinberg told the writer that he wishes he had both planted and benched a great many more. Not only has the demand for this kind been exceptional this year; it has been the same for all the popular varieties, and has constituted a record even for this busy place.

Besides the above nearly 13,000 chrysanthemums are grown in all the leading commercial sorts including among others Dr. Enguehard, Glory of the Pacific, Timothy Eaton (The Commercial Traveler), and the yellow Major Bonnaffon. The plants are typical commercial examples, every one a model of high culture, reflecting great credit on all concerned. Three very large houses

SALES DEPARTMENT OF PETER REINBERG, CHICAGO.

of Asparagus plumosus nanus are also grown, producing an immense number of strings and fronds of the pale green color now so popular.

These notes would not be complete unless we expressed our admiration of the excellent cultural condition of the whole of the stock grown in this unique and immense establishment.

Growers for the New York Market.

Herman Schoeltzel, of New Durham, N. J., has his houses in order for fall trade, and has a grand lot of ferns, both Scottii and Boston, the former predominating. In one house is to be seen a fine bench of Whitmani, a variety which is becoming deservedly popular with growers. Araucarias, many of them of unusually large size, take up the major portion of a house, and cyclamen and primula are being brought in for forwarding. Mr. Schoeltzel made something of a specialty of hydrangeas last season, and his young stock at the present time is excellent.

Emile Savoie, of Secaucus, N. J., has just completed a new greenhouse and is stocking it with plants which he will bring in for the holiday season. In one of his houses are many nice plants of bougainvilleas, shapely and well grown, which will doubtless go off well before the holidays. The establishment is being rapidly set in order, and, with the alterations and improvements contemplated carried out, will be thoroughly up to date.

R. Dreyer, of Woodside, N. Y., has disposed of the stock of Bertha Rath carnations, formerly a feature of the Woodside establishment. The carnation houses are now utilized for plants. There is no dearth of kentias here, and a complete stock in all sizes is to be seen. Standard and branching plants of Ficus elastica take up a liberal share of house room and are in fine condition.

A. Von Asche, of Woodside, N. Y., has three houses 22x100 feet planted entirely with carnations, and his crop is well in cut. He has benched Joost, Scott, Boston Market, Harlowarden, Bertha Rath, and Enchantress, and the quality of the flowers is very good. He ships to John I. Raynor, who has handled his product for many years.

Growers at Ashtabula, O.

Among the largest in extent and importance of the commercial building operations and improvements which are in progress in Ashtabula, O., this year are the enlargements and additions to the various greenhouses, both west and south of the city. The business done by the many concerns now engaged in growing crops under glass in Ashtabula, is surprisingly large and constitutes one of the principal industries of the city. The product of the Greenhouses is almost entirely shipped to the Pittsburg market.

DUNBAR & HOPKINS.

The largest of the operations which are being realized are those of Dunbar & Hopkins, who when they have finished the work now in progress will have an entire new plant equal in size to the former plant and modern in every detail.

This firm commenced building 13 new houses last year. Nine more are being added this season. All the houses will be heated from the one source, a powerful and up-to-date system of vacuum heating being employed to this end. One additional boiler was placed in commission last year, and another will be added this year. The apparatus of the engine house will then be of 300 H. P. and capable of successfully handling all the houses dependent upon it. The new work covers an expanse of three acres.

Dunbar & Hopkins limit their products to tomatoes and lettuce which are grown in the fall, and cucumbers, which are grown in the spring. They are members of the Ashtabula Lettuce Growers' Association and dispose of their output in common with the others through their agent, Fred Humphrey at Pittsburg.

THE GRISWOLD GREENHOUSE CO.

The new plant of the Griswold Greenhouse Co., which is being constructed entirely new from the ground up, is a splendid example of careful and accurate workmanship, being built according to approved plans and specifications. The plant is not as yet near completion, though a large force of workmen is constantly employed. A huge stack is being erected for the engine house which is 90 feet in height and four feet in diameter on the interior. Fifty thousand feet of glass will be required for the houses.

ROGER GRISWOLD, JR.

The extensions which are under way at the plant of Roger W. Griswold, Jr., which is situated on the east side of the C., P. & A. tracks at the city limits and across from Dunbar & Hopkins, carry an enlargement of the old plant by 25 per cent, and taken in connection with what was built last year, give an addition of 150 per cent during the past two years.

This plant entire is comparatively new, 1200 boxes of glass being put in at the start. Last summer this amount was doubled by the building of extensions, and this year 800 more boxes of glass are going in. The new houses are being erected to the south of the main plant and will be heated from the same source.

THE E. A. ADAMS' SONS.

To the north of Prospect street are found the greenhouses of the E. A. Adams' Sons. Their improvement this season is restricted to the addition of only a few houses embracing the outlay of 400 boxes of glass.

F. C. BAIL.

The greenhouses of F. C. Bail on Maplewood Heights were built two years ago and are four in number each 26x175 feet. This year a fifth house of equal size has been added, which will give the firm about 500 boxes of glass. Last year Mr. Bail entered into the raising of bedding plants and flowers to some extent and this year toward spring proposes to go into this line to a larger extent than ever. This is a feature which the other greenhouses have neglected.

THE ASHTABULA GREENHOUSE CO.

The Ashtabula Greenhouse Co., at the top of Bunker hill is entirely rebuilding its plant and adding to the capacity.

THE ROSE.

BLACK SPOT will be troublesome to growers of Richmond rose either on its own roots or on the manetti just as long as they insist on keeping the soil always moist on the surface.

CANADIAN QUEEN rose is probably not as well known as its merits entitle it to be. It is a money maker without a doubt and superior to any other of the Mme. Cuisine sports in its color. It is an excellent grower and almost mildew and insect proof.

A Few Reminders.

Taking a general view of indoor rose culture there is seldom more serious thinking and planning necessary than at the present time. The rose specialist is often better prepared to meet the requirements of the rose the season through, for his work, time and thoughts are devoted to one class of plants, taking more or less the same treatment. On the other hand the growers that may have from two to 10 houses devoted to roses, and as many others in which are grown a miscellaneous lot of plants this class of grower is compelled in a manner to neglect his roses in the rush that occurs in order to house many outside plants threatened by an early frost, but if the rose houses must be neglected for a few days there should always be enough help left to do the syringing, ventilating and watering for this must be handled judiciously at all times. The buds should be cut just as early as possible, followed up by watering and syringing, two separate operations. This will require first the watering that is necessary and syringing afterwards.

The houses should be ventilated gradually and at this season, the ventilators or sashes should be left partly open at night. Then as the heat increases in the morning gradually raise the sashes so that no sudden change of temperature is noticable in the thermometer. None of the rose houses should be allowed to get above 70° before airing, and syringing should not be attempted until they reach the same temperature, of 70°. If one has a water heater the work of syringing can be done a little earlier, as the water can be tempered according to temperature of the house. For instance, if the house has reached a temperature of 65° and the water is tempered to 70° the plants will not be chilled in the least, but one must be careful never to allow the water to become warmer than 70°. For general use the water should not exceed 60°. In some sections the installation of a water heater owing to the extremely low temperature of the water naturally in winter is indispensable, and there is nothing that will turn out a better investment to any grower than one of these most valuable contrivances. Try one and be convinced. They can be readily applied to either high or low pressure boilers with equal success.

But to go back to ventilating: remember the same care should be used in lowering the sash in the afternoon as in raising them in the forenoon. The highest temperature with the air on should not exceed 75° to 78° on bright days and reduced gradually to 60° at sun-

down, and for the general indoor forcing varieties, such as Bride, Bridesmaid, Golden Gate, American Beauty, Richmond and Killarney, 60° should be the night temperature when the weather permits of ventilating, and when the sashes are closed from 50° to 58° will suit Bride, Bridesmaid, Killarney and Richmond. Golden Gate and Ivory seem to do better at a temperature of 54° to 56°, while Papa Gontier or Bon Silene, which we still find grown in some section, will thrive at a temperature of 52° to 54°. Then there is American Beauty. Some prefer to grow this variety at 60° as a night temperature, but I think firmer wood is the result if an even temperature of 58° is kept. The flowers will also be in better color. Then there is Meteor. This old standby requires 70° at night while Liberty at 68° seems to keep awake. The principal thing about temperature, either day or night, should be to keep it from changing; the steady maintenance is what will count. The cloudy day temperature for Bride and Bridesmaid should not exceed 65°.

There is just another little matter of importance worth mentioning, that is the housing of potting material and the necessary manure required for mulching or soil mixing. Sufficient soil should be placed where it will not freeze and where it can be had at any time, and this should be attended to at once; also the hauling of the compost soil if one has time now that he will not have in the spring. It should be mixed in the early spring, though, in preference to stocking it now in order to reap the full benefit of the manure. E.

New European Roses.

A number of new roses are now being offered by well known European growers. Wm. Paul & Son, Waltham Cross, Eng., offer the following, the descriptions being those of the introducers:

WARRIOR (Hybrid Tea).—Buds blood-red, long and handsome; opening flowers vivid scarlet crimson, large, double, with broad handsome petals loosely displayed as the blooms expand. The habit of growth and flowering resembles Papa Gontier, but the color of the flower is much deeper and richer than in that variety. As a decorative rose for the garden, whether in standard or dwarf form, Warrior stands out pre-eminent, as it furnishes large quantities of beautiful flowers of a shade of color not plentiful among the hybrid teas, from early summer until the frosts of autumn, ranking in this respect with Corallina and other Waltham Cross roses which are now so well known and appreciated for their free and continuous habit of flowering. As a forcing rose it is unexcelled, and the buds under glass are produced on extra long stems, a most valuable trait for cutting purposes. The flowers expand well under glass in autumn, so that plants in pots that have been forced in spring may be easily managed to give a good second crop of blossom during October and November, when the outdoor flowering of roses is uncertain. The growth of the plant is vigorous and the foliage good.

CELIA (Hybrid Tea).—Flowers bright satin pink, centers somewhat deeper, large, full, of circular outline, the centers well raised and the petals reflexed. A very distinct novelty and most attractive in all respects, the extraordinary freedom with which the flowers are produced causing it to rank in value as a decorative rose with such varieties as Caroline Testout and Madame Jules Grolez; whilst by judicious thinning and disbudding exhibition flowers of a high quality are obtained. The habit of growth is vigorous and upright; it is a good autumnal bloomer, and also excellent for pot culture under glass.

DORA (Hybrid Tea).—Of hybrid tea parentage, although somewhat resembling the hybrid perpetuals; opening flowers the color of peach blossoms, with deeper centers, changing as the blooms expand to a uniform shade of silvery blush, very large and full, of perfect circular form, with the petals evenly arranged to the center of the flower, and lasting a long time in fine condition on the plants; growth vigorous. A very distinct novelty, producing its clusters of fine flowers outdoors early and late in the season, whilst pot-grown plants produce blooms of magnificent quality and effect; a fine exhibition rose both for indoor and outdoor cultivation.

NYMPH (Summer-Flowering Hybrid).—Beautiful and distinct in both flower and foliage, this rose will prove a most valuable and attractive addition to the garden for forming large bushes on lawns and in shrubberies, or for bold masses in the landscape. The flowers are single and of the color of apple blossoms, the ivory white ground color being sometimes tipped with carmine and sometimes flushed with tender pink; they are produced in profusion, the shoots of the plants being completely wreathed and covered with them, whilst the glistening dark green foliage renders the plant an attractive object at all times. It flowers early in summer, at the same time as Waltham Bride, the Penzance briars, and other early flowering roses, for which it is an excellent companion.

NEW ROSE ANNY MULLER.

Ottolander & Hooftman, Boskoop, Holland, describe their two new roses as follows:

ANNY MULLER.—This excellent novelty is the result of a cross between Crimson Rambler and George Pernet. The freely branching plants attain a height of 1½ feet and in growth are similar to Mme. N. Levavasseur. The shining brilliant rose flowers are produced in

great profusion in large clusters from June until late in the fall. Each individual flower measures about two inches in diameter. The petals are sometimes twisted. Like all polyantha roses Anny Muller is immensely valuable for pots and open ground culture. It is a grand rose in every respect and sure to gain the admiration of gardeners as well as amateurs.

TAUSENDSCHON.—Raised by several crossings between the well known Crimson Rambler, tea and polyantha roses, this beautiful novelty surpasses all other climbing roses of this section in growth, foliage and beauty of blooms. The flowers appear in large clusters from the beginning of June till the end of July. Each individual flower measures about 1½ inches across and is of a beautiful soft pink color, later changing to rosy carmine. The plant is of strong vigorous growth, absolutely hardy and a most excellent variety to plant wherever a strong climber is desired. The wood is nearly thornless. The shining dark green foliage is perfectly hardy and never attacked by any disease or insects. These qualifications render it a first-class rose for covering walls, verandas, etc.

THE CARNATION.

Seasonable Notes.

At this time a little feeding applied to some of the carnations would be a step in the right direction. By that I do not mean to give them a general feeding, but such stock as has been kept indoors all last summer can stand a little feeding either in the form of mulching or liquid manure, if applied judiciously and the condition of the plants taken into consideration.

Just what kind of manure would be best suited for any given plants it is impossible to tell as it depends greatly on the ingredients and makeup of the soil. Bone meal is used by a good many and is all right if the genuine article is secured, but it seems almost impossible to obtain the pure unadulterated article. It does not show the result as quickly as many other fertilizers, but adds greatly in the building up of the plants.

For quick results it is hard to beat cow manure in liquid form, but it must be applied sparingly and the condition of the plants studied carefully before applying it. As overfed carnations are next to worthless one had better be a little careful.

Little can be said about carnations at this time of the year except to repeat what I have said in my former notes. The principal work is watering and tying up and of course one must be on the lookout for spider and green fly at all times as they belong to the class that never rest. It will very soon be time to have fire all night or at least have a night man on duty in case the weather should change suddenly, and a light firing with a little ventilation is ideal for carnations.

Another thing I might mention to advantage is the cutting of carnations in the fall. Most varieties are inclined to rather short stems in the beginning, and in order to get them with a fair stem one is sometimes inclined to cut them lower on the plants than is advisable, and if the cutting of the flowers is done by inexperienced or careless help it sometimes spoils a whole crop later on. When cutting the blooms one should cut them so as to leave at least two or three shoots on the bottom of the stem to insure a steady crop later, as the little additional stem one might be able to cut them with now and the price to be obtained for same at this season of the year will not warrant sacrificing any of the growth when you need all the wood for building up the plants.

J.

Carnation Imperial.

The illustration herewith shows Carnation Imperial, originated by John E. Haines, of Bethlehem, Pa. Imperial is the result of crossing one of Mr. Haines' red seedlings with Lawson, and it was registered in 1903. Mr. Haines has found it an exceptionally good seller. It has been shown extensively and received numerous diplomas and certificates of merit. The color is a variegation of delicate pink similar to the shade in Enchantress and a deeper shade of a pleasing pink. It is described as a splendid keeper and fine shipper. The flowers are from three to four inches in diameter, nicely formed, very fragrant, with an exceptionally strong calyx, less than a half dozen splitting last season. The stems run as much as four feet in length, while 30-inch stems are produced as early as November. It is very early, free and continuous bloomer from October to July, a vigorous grower with no extra grass, every shoot making a flower.

Pink Imperial, another of Mr. Haines' novelties, sported from Imperial in 1904 and has been registered this year. Mr. Haines is introducing both these novelties himself, and all orders will be filled direct.

JOHN E. HAINES' NEW CARNATION IMPERIAL.

Enchantress Carnation Leaves Drying Up

ED. AMERICAN FLORIST:—

My Enchantress carnation leaves are drying at the bottom of the plants, although I am securing a fine crop of blooms at present. Is there anything alarming about this, if so what remedy will apply to the case? If fumigation with tobacco stems is used how long should the houses be kept closed?

M. C.

The drying of the leaves may be caused by different means. It is often the result of topdressing the benches with horse manure and giving insufficient air afterwards. This is owing to the large amount of ammonia in the manure. It may also be caused by planting too closely or by watering too late in the afternoon and not giving the plants a chance to dry before night. There is nothing really alarming about it except that it spoils the looks of the plants. It is also likely to harden the wood and prevent the production of young shoots.

When fumigating with tobacco stems the houses should be kept close all night, and the plants syringed early the next morning but I would advise M. C. to try some of the nicotine preparations in preference. If the labor and cost are figured out and the result compared he will probably not use tobacco stems any more.

J.

Carnation Comment.

PROPAGATION.

Though plants that are propagated late sometimes do well, there is no doubt that early propagation is the best. It is not too early to begin now. The plants should not be robbed but with some varieties there is already a promising crop of side shoots that are likely to be taken off in disbudding and it pays to save such of them as are fit for cuttings. The objection may be raised that it is a long time to keep them in the house and care for them, but to obtain good results in carnation growing we must look far ahead. The propagation and care of the young plants is a feature that has in the past, by some growers been sadly neglected.

The propagation of carnations, or any other plants for that matter, does not call for vast knowledge in the workman, but it does require painstaking care and

an eye quick to see little things. The cuttings that are now taken do not need the knife, in fact, no cuttings need it unless to trim off the fiber that will adhere to the base of a chance one, or, later in the season it may be necessary to use shoots that must be topped to prevent them from shading the sand.

I have sometimes noticed that advertisers with young plants to sell, claimed that their's were propagated "without bottom heat," as though that were a recommendation. I am an advocate of both bottom heat and a north side propagating house, though in this I may disagree with some good growers. The heat should be mild but sufficient to keep the temperature of the sand well up to 60°; the overhead temperature, at night, should be about 50°, and as a choice I would rather have it a little below than above that. Unless in severe weather, it is advisable to shut off steam to the minimum, or altogether in day time.

The house should have plenty of air, both day and night if possible, but not enough to dry out too quickly, for the atmosphere should be moist. In support of a north side house I will say that a rooted and well grown plant and a small cutting without roots are entirely different propositions. The former, in day time, we want all possible sunlight to reach because it is making flowers and new shoots, when the sun beats upon it the roots take firmer hold of the soil. The cutting, however, may be termed an infant that requires, not so much nursing, as careful treatment. Cleanliness, sunlight but not sun-rays, careful watering and ventilation, all of which, to my mind, make up the sum total of the art, if art it be.

I may add, that it is good to note that more care is now being taken with propagating houses than formerly. In the past I have been on places when a chicken coop style of house was considered good enough in which to propagate. Whatever the form may be, a house for propagating should he high enough for a tall man to stand straight in, both for a good circulation of air and the convenience of the workmen. SPECIALIST.

THE RETAIL TRADE

SOMETHING quite new in wedding bouquets is a "granny" muff to be carried by the bride upon her left arm. The foundation is white tulle. The flowers nestle in the tulle amid falling showers of looped gauze ribbon. Orchids, lily of the valley, sweet peas, roses and orange blossoms are woven thickly into the muff and mingle their perfumes.

The Anglais Table Decoration.

The Anglais table decoration is made of two units each containing a Japana holder, one unit crescent in form and one rectangular. Each piece is 5½ inches high and 2½ inches deep, and being made up of sections, many combinations of form can be arranged and adapted to any style of decoration. Each section containing a Japana holder it affords a practical and simple method of arranging flowers in an artistic manner, and being only 2½ inches high, it permits of low treatment, the flowers not interfering with the view across the table. The illustration herewith shows the new design in use. It will be placed on the market by the introducer of the Japana vase, M. V. Garnsey, La Grange, Ill.

CHRYSANTHEMUMS

Chrysanthemums at Buffalo.

Although there is to be no flower show in Buffalo, this year, a run through some of the greenhouses shows that there are some good chrysanthemums in sight. At J. J. Albright's place, Chas. Sandiford, who is one of our best growers, has some excellent ones, both single blooms and bush plants. Among the newer varieties here, we noted; Beatrice May, M. F. Plant, Mrs. George Heaume, Mrs. Henry Partridge, and of the older kinds, extra good Viviand Morel, Brutus, Cheltoni, Mrs. Wm. Duckham, and Merza. In bush plants, very well grown plants of Brutus, Garza, Mutual Friend, Golden Age, A. J. Balfour, and Georgiana Pitcher were seen. All would be a credit to any show.

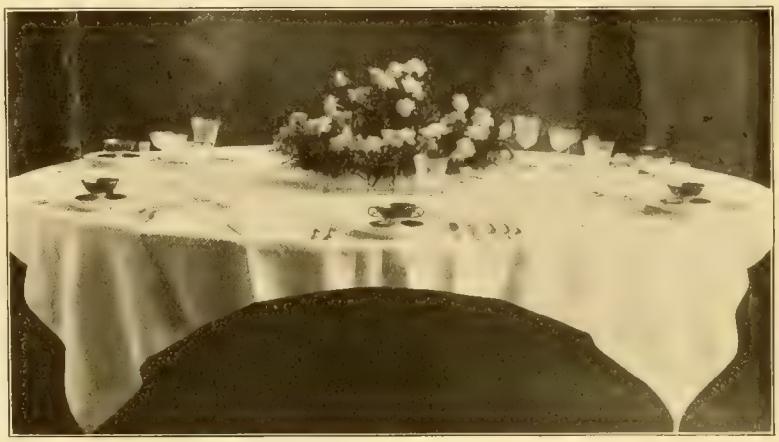
We are told that there are some good things at Geo. Urban's place at Pine Hill. At the botanic garden, at South park, where the usual fall exhibition will be held, there are quite a lot of new chrysanthemums in training, and a good selection of the older varieties. Of the varieties now in condition (October 20) for cutting, we noted; Mrs. Wm. Knox, Chrysanthemiste Montigny, Mrs. Wm. Duckham, F. S. Vallis, Mme. Von Andre, H. Sunderbruch, in yellow; Alice Byron, Mrs. Henry Robinson, Beatrice May, in white; Morton F. Plant in pink, and Edgar Saunders and Brutus in bronze. Coming on, but not yet finished, were Mrs. Henry Partridge, Mrs. Geo. Beech, Mrs. D. V. West, Merza, Mrs. Swinburne, T. Richardson, Gen. Hutton, Golden Age, and a host of others. A large number of bush plants, in from 6 to 15-inch pots, and carrying from 12 to 200 blooms, will add materially to the effect of the show.

Judging from what is now in sight here, the cream of this year's introductions will be Morton F. Plant and Beatrice May. Both of these are good growers and easy doers, and promise well as commercial cut blooms. Mrs. Geo. Beech, ought to be a good late by the appearance of the bud. G. J. Brooks will make a grand exhibition bloom if it can be grown without an eye.

JOHN F. COWELL.

Notes on Varieties.

Next to Monrovia, Clementine Touset, has been the biggest moneymaker on this place this year. I planted 1,000 plants and cut from them about 1,200 salable blooms, most of which fetched $4 per dozen; it comes in at a time when there is nothing in the market to compete with it for size, which makes up for the different shades in color from clear white to nearly Daybreak shade. It is certainly one of the very best, if not the best, of later introductions. Alice Byron is in next, coming right after Touset, and this is the finest white for commercial purposes I have grown yet, its color being the clearest, and prettiest of all of them, while its form and foliage leave nothing to be desired. It will stay with us for a good many years to come and has displaced Mrs. Robinson and many other whites in most places.



THE ANGLAIS TABLE DECORATION.

Nathan Smith & Son's Lanana is now ready to cut; it is a beautifully shaped flower, one of the most artistic seen yet, and if left long enough on the plant is white enough to suit anybody; it is worthy another year's trial. Tioga from the same firm is also fully developed and is a substantial, pretty flower if only the color was more decided. It is neither a white nor yellow, something between, the tips or outer ends of the petals being white, while the heart or the bottom shades to light yellow. It will probably have to go in the any other color class. Venettar, also Smith's, is a very poor yellow, large neck and small flat flower; it is not good enough to give another trial. President Roosevelt is not living up to its namesake or to the boosting it got last year; it is not fully developed yet, but its general habit is not good. A short growing plant producing a number of small flowers of poor color is not good enough to make it worth growing another season.

Mayor Weaver as a pink is looking fairly well; you can see the Mlle. Perrin blood in it, but I don't think it will prove a very valuable variety as it is not large enough, and both Dr. Enguehard and Mary Mann has it beaten by long odds. I am still trying a few of the old standby, Major Bonnaffon, on which variety I made my reputation as a chrysanthemum grower, but they do not seem to have the same vigor as

in the old days. I have changed stock and tried them over and over again, but they have not the size and finish they had with me five years ago, when I grew whole benches of them. I am afraid it will have to go to the background as so many other fine varieties have done.

Col. Appleton is the best yellow on the place this year and is hard to beat as a commercial variety. I understand the E. G. Hill Co. is sending out a new variety this year with the color of Col. Appleton and the shape of Bonnaffon, so I expect we will all have to get this. October Frost, which showed color very early, is slow in developing, and it will have to hustle to keep its place as the first white in the market.

G. T.

To Be Done Now.

IN THE GREENHOUSES.

Keep poinsettias cool and allow abundance of fresh air. The more slowly the bracts form the better they will be both in color and substance.

Never allow cinerarias to become pot bound before giving the final shift into the flowering pots.

Keep the young stock of sweet peas healthy and hard, avoid overwatering and keep them regularly tied to prevent falling over.

In stopping geraniums or taking cuttings never cut to the joint from which a flower spike springs, as such rarely break into good growth.

To save room many of the most useful orchids may be suspended from the roof in palm and fern houses.

Few plants are more subject to attacks of red spider than tuberoses. Spray them right along to keep the stems and foliage clean.

Good varieties of Primula obconica do not always come true from seed, and may be propagated by division.

The freedom allowed the roots of gardenias when planted on a bench makes their culture easier than when grown in pots.

Tabernæmontanas and the double Jasminum Sambac make fair substitutes for gardenias.

IN THE STORE.

Change your displays of pot plants frequently; even if the same plants are used arrange them differently and keep them clean.

The old Hibiscus rosa—sinensis, in its variegated form, has been very pretty in some recent basket decorations.

The paper collars that are again appearing around the necks of chrysanthemums and other flowers should be thrown out. They are neither pretty nor necessary.

A very effective window display recently noted consisted of suspended baskets of roses, the mirrored back of the window being draped in pink with Killarney buds dotted about.

Always deliver orders punctually on time, employing a civil messenger.

Tightly packed wreaths and designs are wasteful of material, and less effective than those more thinly arranged.

Large white chrysanthemums and Beauty roses make a very effective and striking display loosely arranged.

Cut flower receptacles quite plain are better than those having flowers painted or otherwise figured upon them. As a rule the colors of these flowers clash with those arranged in the bowls or vases.

Violets lose their fragrance very quickly after a long journey in wooden boxes.

OUTDOORS.

Wet days and any odd spare time may well be spent in sorting pots and boxes to size, repairing the latter and siding up generally.

Frequent sweeping improves the lawn, but leaves allowed to lay thickly weaken the turf.

Where it is desired to keep a loose mulch on plants in wind swept positions fowl netting pegged over the surface is useful.

Push on with the fall bulb planting at every opportunity, while the soil has yet some of the latent summer warmth in it, and before frosts render it impossible to do so.

Rhododendrons and kalmias like a peaty light soil and if on the wet side all the better.

Before covering up bulb flats or pots carefully label each row, and let the labels be high enough to be distinctly seen without stooping.

Avoid turning up the soil when cleaning the herbaceous borders. Just move the surface and add a little old mushroom bed or potting soil if this can be had.

Never cover Eremurus Himalaicus in winter. In spring when growth is pushing is the time to protect this fine plant.

European Horticulture.

FROM THE BRITISH TRADE PAPERS

SCHIZANTHUSES.—The new strain of Schizanthus grandiflorus, known as Garaway's strain, promises to become even more useful than the light and dainty forms of S. Wisetonensis. The plants possess more vigor, combined with a taller habit, which greatly enhances their value for cutting, and adds to their effectiveness in grouping. So far, among this strain, I have not had many light shades of color, but from a batch of young plants now growing I hope to find the lighter colors in quantity. There is considerable diversity of color among them, but the light shades being more in request here, I am anxious to have them. Probably James Garaway & Co., of Bristol, will offer the strain both in light and dark shades of color separately, as then one could grow those most suitable for his particular purpose. Our last batch is now passing out of flower, and they have been of great service to us for table and other decorations. With several sowings schizanthuses may be had in bloom all through the year, and in these days they are of great service; after doing duty in the house the plants can be consigned to the rubbish heap and another batch raised to continue the supply. I think the autumn sowings produce the best plants for spring blooming, but those sown to flower in the autumn are very useful. During the hottest weather the flowers do not last so long in the cut state as in cool weather, but in this respect the new strain is superior to S. Wisetonensis.

WATSONIA ARDERNEI ALBA.—This species of bulb from the Cape is likely to become a much-valued flower for cutting, and in the making of bouquets, wreaths, buttonholes, and personal adornment in various ways. The plant is of the easiest culture, and the flowers of the purest white. When planted in the month of May, in good soil, in a warm situation, it will flower from the first week in July till the last week in September. The bulb is amenable to pot culture in the manner of gladioli, and by choosing cool positions for these, and extending the potting season, it can be had in bloom till a much later date. The value of this species of watsonia is becoming generally recognized, and the demand for the flowers is greatly in excess of the supply, and must increase as time goes on. No gardener in a private establishment, where cut flowers are valued, or market grower, can afford to neglect its cultivation; and it is a matter for congratulation that the bulb is not liable, like the gladiolus, to any diseases, so far, and it is cheap. This, and Gladiolus The Bride, are two of the best white florists' flowers introduced in recent years into this country.

ORIENTAL POPPIES.—Among the best varieties are: Royal Scarlet, very bright, and suitably named; Blush Queen, a very soft pale and pleasing color, beautiful; Semi-duplex, very large blooms, good habit, and fine color; Mrs. Marsh, scarlet and white, very varied, one of the best; Brightness, a fine deep orange; Medusæ, a delicate satin pink, quite distinct, and fine; Prince of Orange, distinct and beautiful, very free; Duke of Teck belongs to the bracteatum type, very deep crimson; Monarch, also belonging to this type, a capital dark red; Salmon Queen, a lovely salmon-red; Menelik, good; Mogul, very effective; Lady Roscoe, one of the very finest, a pleasing soft red; Silver Queen, silvery salmon, very pretty; Rembrandt, very large and showy; Queen Alexandra, in the way of Lady Roscoe, but quite distinct, a grand variety; Psyche, very pale in color, fine and distinct; Fringed Beauty, dark crimson; Mahony, color dark mahogany, free and good.

LOBELIA TENUIOR.—This proves to be a most useful addition to our flowering plants. Its needs are not exacting, and it cannot fail to be appreciated by the amateur. Seeds sown early in spring and placed in a temperature of about 55° germinate quickly. To avoid the plants becoming drawn and weak place them on a shelf near the glass as soon as they are seen. Prick off into a moderately rich soil when large enough to handle. They grow fast, and may be potted into 3-inch pots, taking care to lift the plants with a ball of soil attached. Finally pot off into 4½-inch pots, which are usually of sufficient size. A few of the strong plants may be placed in 6-inch pots if larger specimens are required. This lobelia, if grown in too poor a soil, is apt to cast its flowers much sooner than if treated more liberally. With good treatment the flowers are of a very rich color and lasting. This plant should also prove useful as a bedder. A batch of plants placed outside is looking very promising. The flowers exhibit a great variety of shades of carmine, crimson-magenta, purple, and a very rich purple-blue, and are produced very freely. The attractive plants of this lobelia staged at the Temple show should prove an inducement to all plant lovers to try this new strain of hybrid lobelias.

GONE.—Two years ago the whole world was ringing with the fame of Findlay, Markinch, whose Eldoradoes were producing 30 tons per acre and selling at £160 per pound, so that he was in a fair way of becoming a billionaire and buying up the kingdom of Fife for the growing of Eldoradoes. "Findlay, Fife," would have been perfectly sufficient address for a letter or telegram to the potato king then. But a change has come o'er the spirit of the dream since then, and last week a departmental letter bearing the legend "On His Majesty's Service," was sent by post addressed to "A. Findlay, Esq., Markinch, Fife, Scotland," and was returned by the Markinch postal authorities to the department as being "undelivered for the reason stated," the reason in question being expressed in the laconic but significant word "Gone."

DOUBLE FLOWERED CINERARIAS.—There are many people to whom double-flowered cinerarias are an abomination; who regard these rounded, featureless heads as perversions of nature's wonderful grace, which she evidences in the star cinerarias, or in the newer cactus varieties. The florist has pursued the sportive and doubling tendency of the greenhouse cineraria, however, and has fixed her full-completed labors in this direction into these ball-shaped clusters. Not many firms exhibit them, though perhaps all can offer seeds. One great virtue of this type of cineraria is that it endures for a long period, and when grown "hard," it furnishes a good room or hall decorative plant.

Asparagus Crawshawi.

Asparagus Crawshawi, raised by James Crawshaw, of Providence, R. I., and exhibited on several occasions during the past year, and on every occasion given an award of merit, as a variety is distinct and an improvement on Asparagus plumosus nanus inasmuch as it is softer in texture, of a darker green and more fully furnished. This variety has, it is said, the additional favorable characteristic of each growth or string running up without getting in the least entangled with another string or with any thing else. It is fully as rapid a grower as the older variety and looks like something worth having, at least worth testing. B.

OBITUARY.

William Doogue.

Wm. Doogue, who for more than 28 years was superintendent of public grounds of the city of Boston, died at his residence, 116 East Cottage street, Dorchester, a section of the city, November 2 at nine p. m. By his death a familiar figure has been taken away, one whose friends and acquaintances are numbered in the thousands and whose place it will be difficult to fill.

Mr. Doogue was born June 24, 1828, in Stradbally, Ireland, coming to this country with his parents in 1840 and settling at Middletown, Conn. Here he received a public school education, completing his studies which he had taken while attending a private school in the old country. When 17 years of age he was apprenticed to the firm of Affleck, Whitmore & Co. of Hartford, Conn., at that time one of the most extensive nursery and greenhouse establishments of New England.

After five years' work with this firm, the senior partner of which had become deceased, Mr. Doogue, who had for three years been studying botany under Prof. Comstock of Trinity college, Middletown, he was admitted to the firm, which was afterwards titled Whitmore & Co. Severing his connection with this concern, Mr. Doogue established himself in the cut flower business in Boston in the early sixties, where he met with immediate success. He first opened a store for the sale of flowers and plants in the rear of his dwelling-house on Floral Place, a small byway leading from Washington street to Warrenton street. While conducting this business, which was started on a miniature scale, his fame as an artistic decorator of halls, churches and other public buildings, became widespread, and when the office of city forester, as it was then termed, became vacant, Mr. Doogue's name appeared first on the list of the men sought. In 1878 he was appointed to the position, which was then but a minor one to what it has since grown.

At that time, as no municipal greenhouses were maintained, the city relied upon the few growers in this section for all its supplies, but Mr. Doogue, at small cost to the city, utilized his own houses for propagating purposes. However, these in time were wholly inadequate to supply the needs of the department and of his desires to place the Public Garden among the most beautiful as regards ornamentation in the country, an accomplishment in which he well succeeded. It not only won the admiration of the local citizens, but was also among the greatest attractions the city displayed to visitors.

It was not until seven years later that his untiring service in explaining the necessity of sufficient means and buildings for suitably growing and caring for the plants of his department, were at last rewarded and a piece of land was granted. This land being needed for hospital purposes, a new site, where the city greenhouses

The Late R. J. Mendenhall.
See obituary in last issue, page 681.

are at present located, was secured, in all containing three and one-half acres. Here the ornamental trees and shrubs were cared for and also the quantities of bulbs annually used in beautifying the public grounds. Under his able directions the department has grown to be one of the largest and most important of the municipality. A wonderful collection of rare plants and exotics is now the property of the city, acquired at a nominal figure; it is now worth many times what was invested. Among the most difficult problems with which Mr. Doogue had to deal was that of raising the roots and necessary soil of trees which had been injured during the construction of the subway. In many cases the trees were raised from four to eight feet and it is of great credit to Mr. Doogue's ability as an engineer that these trees have lived and flourished.

In 1876 on the centennial grounds at Philadelphia his excellent display of tropical and sub-tropical plants was accorded especial honor. As each year different conventions assembled in Boston there was always a welcome for them in the way of flowers awaiting. On the public gardens original and complimentary designs and figures always were the talk of the visitors. One of his greatest successes was at the G. A. R. convention two years ago, when his efforts were productive of unusual effects. Mr. Doogue leaves a family of two sons and three daughters, all of whom are married. B.

Joseph D. Phillips.

Joseph D. Phillips, for many years one of the best known fruit men in California, died October 24 in Marysville, Cal. Deceased was a native of Scotland, aged 76 years. Formerly he was in partnership with A. F. Abbot, and they planted 60 acres of peach trees 10 miles below Yuba City near the Feather river. These were rapidly increased until the acreage reached 400, many other kinds of fruit now being grown.

Dissolving partnership with A. F. Abbot, we find J. Phillips laying out orchards in various sections for different people, among others, for Fred Hauss, at Oswald; C. J. Hastings and Mrs. Bolles in Linda township, Yuba county. Mr. Phillips devoted many of the best years of his life to fruit culture; he was a genial man and was always willing to give of his vast store of knowledge to those who were beginners in the business. Unfortunately his last years were not as happy and prosperous as his friends might have wished for him, mainly owing to unsuccessful law suits in which he was interested. The famous Phillips cling peaches will keep green the name of this honest and bluff old fruit grower, possibly long after his interesting personalty is forgotten.

Samuel Seabury Graves.

Samuel Seabury Graves, a former nurseryman, one of Geneva's oldest and most respected citizens, died October 30 at the home of his son, Henry B. Graves, 469 Castle street, Geneva, N. Y., aged 85 years. Mr. Graves celebrated his birthday October 19. Death came after an illness of 10 days.

Mr. Graves was born in Auburn, in 1821. He went to New York and after living there a short time he moved to Geneva in 1864. He engaged in the nursery business and became a member of the firm of Bronson, Graves & Selover. He remained in the nursery business until 1878, when he became superintendent of the Geneva Gas and Water Co. The waterworks was purchased by the city in 1896, and he continued as superintendent of the gas plant until December 1, 1904, when he retired from active life. He is survived by three sons, Bishop F. R. Graves, of Shanghai, China; Henry B. Graves, of Geneva and Samuel S. Graves, of Chicago; two daughters, Mrs. Lewis W. Keyes and Miss Clara B. Graves, of Geneva; and one sister, Miss Hannah F. Graves, of San Francisco.

John Sommerfield.

John Sommerfield, a florist with greenhouses and residence on Cedar avenue, Darby, Pa., near the Holy Cross cemetery, dropped dead on the morning of October 18 while wheeling a barrow. The deceased was 71 years old, a worthy German citizen, and had in the last few years built up a fine business among the cemetery visitors.

Muncie, Ind.—The Muncie Floral Co. decorated an automobile and vehicle for the fall festival, October 31; each received first prize.

THE AMERICAN FLORIST

TWENTY-SECOND YEAR.

Subscription, $1.00 a year. To Europe, $2.00
Subscriptions accepted only from those in the trade.

Advertisements, on all except cover pages, 10 Cents a Line Agate; $1 00 per inch. Cash with Order.

No Special Position Guaranteed.

Discounts are allowed **only on consecutive insertions**, as follows—6 times, 5 per cent; 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent.

Space on front pages and back cover page sold only on yearly contract at $1.00 per inch, net.

The AMERICAN FLORIST Advertising Department is for florists seedsmen and nurserymen and dealers in wares pertaining to those lines only.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Monday to secure insertion in the issue of the same week. Address

AMERICAN FLORIST CO., Chicago.

When sending us change of address always send the old address at the same time.
We do not assume any responsibility for the opinions of correspondents.

THIS ISSUE 80 PAGES WITH COVERS.

CONTENTS.

The exhibitions 719
—Chrysanthemum Society of America (illus.) 719
—Horticultural Society of Chicago (illus.) 719
—Pennsylvania Horticultural Society (illus.) 727
—Massachusetts Horticultural Society (illus.) 728
—Tarrytown Horticultural Society..731
—Monmouth County Horticultural Society 732
—Morris County Gardeners (illus.).733
—Nassau County Horticultural Society 734
—Bay Shore Horticultural Society..734
—Southern California Horticultural Society 735
Society of American Florists.....735
With the growers.....736
—Reinberg's 20 years of progress (illus.) 736
—Growers for the New York market 738
—Growers at Ashtabula, O.....738
The rose—A few reminders.....738
—New European roses.....739
The carnation—Seasonable notes...740
—Carnation Imperial (illus.).....740
—Carnation comment 740
The retail trade.....741
—The Anglais table decoration (illus.) 741
Chrysanthemums at Buffalo.....741
—Notes on varieties.....741
To be done now.....742
European horticulture 742
Asparagus Crawshawi 743
Obituary—Wm. Doogue 743
—Joseph D. Phillips.....743
—Samuel Seabury Graves.....743
—John Sommerfield 743
Presidents of florists' clubs.....744
American Carnation Society.....744
Coming exhibitions 745
Chrysanthemum Society of America.746
—President Duckham's address....746
Salt Lake City.....748
Chicago 752
Indianapolis 752
Philadelphia 754
Boston 754
New York 756
The seed trade.....760
—Death of Mrs. D. M. Ferry.....760
—Ghent's trade in plants and bulbs.761
The nursery trade.....762
—Shippers' table for nurserymen..762
—The Nut Growers' convention....762
—Boston department of parks.....762
Baltimore 764
St. Louis 768
Louisville 768
Pittsburg 770
Washington 770
Syracuse, N. Y.....772
Kansas City 774
Cleveland, O. 776
San Francisco 778
Toronto 779
Special illustrations:
—Ficus pandurata 733
—Otaheite orange 735
—The late R. J. Mendenhall.....743

ORGANIZE.

THE date of Easter is March 31.

THE Japanese dwarf trees, as shown at the Dayton convention, are great favorites with the retail buyers.

THE new location of the Pittsburg Cut Flower Co. is 222 Oliver avenue, not 22 as given in that firm's advertisement in our last issue.

AN Austrian species of hibiscus is used for blacking, the juice squeezed from four blossoms giving enough liquid to coat a shoe with a fine luster.

WE are in receipt of Part 1 of the "Transaction of the Massachusetts Horticultural Society" for the year 1906, containing papers and transactions of the year.

JAPANESE chrysanthemums that make good pot plants of a suitable class for market are not plentiful, and most growers pin their faith to pompon and single flowering varieties.

YELLOW CALLAS.—The issue of the Rural New Yorker for September 1 gives very interesting descriptions of the newer kinds of yellow flowered callas as tested at the grounds.

IN writing advertisements be careful to note that the quantities and prices are given correctly and clearly. We can not always know whether a given advertiser wishes to sell his stock or give it away.

THE date on the yellow address label on your copy of THE AMERICAN FLORIST will show when your subscription expires. Please renew subscriptions promptly on expiration to make certain of receiving your copy of each issue.

AMERICAN CARNATIONS are inquired for in the English papers, apparently by the commission men. Is it possible that English business men are more alive to the value of our varieties than the learned societies? It appears a little like it.

ALL such plants as the double peach and cherry, lilacs, hydrangeas, deutzias, and hardy azaleas in pots that are to be lightly forced in spring must now be put in order. Any that need it may be cut into shape a little but not much, as it means in most cases cutting away flowers. Clean the pots, topdress the plants with a little rich soil, and place them in a quite cool house or frame.

NOTES of profusely flowered orchids and extraordinary numbers of blooms produced on the spikes are followed laconically by the information that "it killed the plant" or "the plant didn't survive the ordeal" in some quarters where orchids are professedly understood. But this needs some explaining. Usually a cattleya or similar plant that produces an extra fine spike is itself in splendid health, and the fine spike is the result. Why such plants should die after their effort, unless indeed they were exposed while in flower to exceptionally unhealthy conditions, it is difficult to understand. There are often instances of a dying plant making great efforts to reproduce its kind by a last flicker as it were of flowering. This is a frequent condition of unhealthy plants in the evergreen section of dendrobiums. But such flowers as these produce are not the vigorous kind, and a reason should be looked for when healthy stout plants die after flowering.

Presidents of Florists Clubs.

The presidents of leading florists' clubs shown on our front page are as follows: John Scott, New York; S. S. Pennock, Philadelphia; P. J. Hauswirth, Chicago; Peter Bisset, Washington; James Wheeler, Boston; H. C. Irish, St. Louis.

A Sign of the Times.

Division Passenger Agent Pascault of the Buffalo, Rochester & Pittsburg, announced yesterday that an excursion will be run into Pittsburg November 4 from points on his line to the chrysanthemum exhibits at the Phipps and Frick Conservatories.—Pittsburg Times.

September Daffodils.

An English journal calls attention to the fact that it received on September 20 two blooms of Emperor daffodil which were produced by bulbs planted outdoors in June. These two blooms were cut from bulbs sent from Australia. The bulbs reached England in June and were planted immediately.

American Carnation Society.

CARNATION REGISTERED.

By Stevenson Bros., Govanstown, Md., Debutante, a cross between Mrs. T. W. Lawson and Queen Louise; color soft pink, similar to Joost, but brighter. A very early variety and a grand keeper. The flowers are borne on stiff, yet graceful, stems, and have a calyx that allows the flower to expand fully without bursting.

ALBERT M. HERR, Sec'y.

Crepe Paper Duty High.

In a decision by I. F. Fischer the board of general appraisers has overruled the claim of Wm. Fegel and others of New York, it being held that crepe paper is properly dutiable at 5 cents per pound and 15 per cent ad valorem. It was claimed by the importers that the paper was of a character warranting its classification as paper not specially provided for in the tariff with duty at a rate of 25 per cent. After consideration of the testimony the board denied the contention of the protestants.

Personal.

J. M. Gasser, the well known florist of Cleveland, O., has broken down under the too close application to business and constant worry over labor troubles which he greatly magnified and consequently brought on such a state of mental worry bordering on a total collapse that his friends interposed, and at the suggestion of several physicians he was prevailed upon to take a complete rest as an only hope of restoring him to health. He left last Saturday for a private sanitarium at Walnut Hills, Cincinnati, O., where a complete change of scene and surroundings is hoped will restore him to health in a few months, when he will either return to active work for the Easter season, or pay a long visit to relatives in Texas.

Coming Exhibitions.

BALTIMORE, MD., November 13-16, 1906.—Chrysanthemum show, Gardeners' Club of Baltimore. Address J. J. Perry, Florists' Exchange Bldg., St. Paul and Franklin streets.

PROVIDENCE, R. I., November 13-14, 1906.—Chrysanthemum and carnation exhibition Rhode Island Horticultural Society. Address C. W. Smith, 27-29 Exchange street, Providence, R. I.

Meetings Next Week.

Baltimore, Md.—Gardeners' Club of Baltimore, Royal Arcanum building, 18 W. Saratoga street, November 12, at 8 p. m.

Buffalo, N. Y.—Buffalo Florists' Club, 383 Ellicott street, November 13, at 8 p. m.

Chicago — Gardeners' and Florists' Union No. 10615, 10-12 Clark street, November 14.

Cleveland, O. — Cleveland Florists' Club, Progress hall, 244 Detroit street, November 12, at 7:30 p. m.

Dayton, O.—Dayton Florists' Club, 112 South Main street, November 12.

Lake Geneva, Wis. — Lake Geneva Gardeners' and Foremen's Association, News building, November 17, at 8 p. m.

Madison, N. J.—Morris County Gardeners' and Florists' Society, Masonic hall, November 14, at 7:30 p. m.

New London, Conn. — New London County Horticultural Society, Elks' hall, November 14.

New Orleans, La.—Gardeners' Mutual Protective Association, 144 Exchange alley, November 11, at 2 p. m.

New Orleans, La.—New Orleans Horticultural Society, 125 St. Charles street, November 15, at 8 p. m.

New York.—New York Florists' Club, Grand Opera House building, Eighth avenue and Twenty-third street, November 12, at 7:30 p. m.

New York.—Horticultural Society of New York, American Institute rooms, November 14, at 8 p. m.

Pasadena, Cal.—Pasadena Gardeners' Association, G. A. R. hall, East Colorado street, November 16, at 8 p. m.

San Francisco, Cal. — Pacific Coast Horticultural Society, November 17.

Scranton, Pa. — Scranton Florists' Club, Guernsey building, November 16, at 7:30 p. m.

Catalogues Received.

Bobbink & Atkins, Rutherford, N. J., nursery stock, bulbs and plants; State Nursery Co., Helena, Mont., plants and bulbs; C. S. Harrison's Select Nursery, York, Neb., peonies and perennials; A. N. Pierson, Cromwell, Conn., palms and ferns; Barbier & Co., Orleans, France, nursery stock; Soupert & Notting, Luxembourg, Germany, roses; The J. M. McCullough's Sons Co., Cincinnati, O., bulbs, seeds and sundries; The United States Nursery Co., Rich, Miss., field grown roses; Ludvig Mosbaek, Onarga, Ill., cannas, hardy plants and shrubs; The Fraser Nursery, Huntsville, Ala., nursery stock; Otto Katzenstein & Co., Atlanta, Ga., tree and shrub seeds, bulbs, etc.; Ernest Benary, Erfurt, Germany, list of novelties for 1906 and 1907; V. Lemoine et Fils, Nancy, France, nursery stock and plants; Kelway & Son, Langport, Eng., peonies and perennials; C. van Kleef & Co., Boskoop, Holland, nursery stock; Hemeray-Aubert, Orleans, France, nursery stock; Pape & Bergmann, Quedlinburg, Germany, novelties for 1907; T. V. Munson & Son, Denison, Tex., nursery stock; J. Lambert & Sohne, Trier, Germany, list of novelties for 1907; Sluis & Groot, Enkhuizen, Holland, seeds; Vincent Lebreton, Angers, France, nursery stock; Ketten Freres, Luxembourg, Germany, roses; The Austin Nursery, Austin, Tex., trees, shrubs, etc.; Watkins & Simpson, London, Eng., list of novelties for 1907; Sneed Wholesale and Retail Nurseries, Tyler, Tex., nursery stock, roses, etc.; Texas Seed & Floral Co., Dallas, Tex., bulbs; Walter P. Stokes, Philadelphia, Pa., bulbs and seeds; Goos & Koenemann, Nieder-Walluf, Germany, plants, nursery stock, etc.; Victor Detriche, Angers, France, plants; Harlan P. Kelsey, Salem, Mass., hardy plants; Barteldes & Co., Denver, Col., raffia, reeds, instruction books, etc.; F. Dorner & Sons Co., LaFayette, Ind., carnation novelties for 1907; roses, lily of the valley, plants, etc.; Nathan Smith & Son, Adrian, Mich., plants; Labelliffos Nurseries, Voorschoten, Holland, nursery stock.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

Cash with Adv.

Plant Advs. NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1906 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—As foreman of up-to-date commercial place; can furnish best of references by present employer and others in Chicago trade. Address Key 830, care American Florist.

Situation Wanted—By florist and landscape gardener, 20 years' experience in this country and England, three years in last place; first-class references; private place preferred. Address Key 836, care American Florist.

Situation Wanted—By a first class plantsman and grower of nursery stock; well up in all branches 12 years' experience; foreman's place would suit; references; west preferred. Address J. K., 2061 Harrison Ave., Cincinnati, O.

Situation Wanted—As foreman by a married German, practical and experienced in all branches greenhouse, nursery, vegetables and farming. You can depend upon a good, all-around man, sober and steady; best of references Address Key 835, care American Florist.

Situation Wanted—I wish to correspond with party desiring first class grower and propagator of roses, carnations, 'mums and general stock. I have had 15 years' practical experience and can show results; good references. State full particulars with salary. Address Key 834, care American Florist.

Help Wanted—Florist and landscape gardener. Must be competent, sober and industrious. Address OXFORD RETREAT, Oxford, O.

Help Wanted—A rose grower to take charge of a section; must be sober and reliable; state references and wages. Address C. C. POLLWORTH CO., Milwaukee, Wis.

Help Wanted—Good general greenhouse man for retail place. State experience and give full particulars first letter; $50.00 per month to begin. Address C. H. GREEN, Fremont, Neb.

Help Wanted—At once, single and sober man as day fireman for steam boilers; wages $25.00 per month and board; steady position for right party. Address with references H. HEEPE'S SONS, 26 So. Main St., Akron, O.

Help Wanted—Florist, experienced rose and cut flower grower; steady position for sober and industrious man; state terms in first letter; references please. Address MAX RUDOLPH & Co., 11 W. 12th St., Cincinnati O.

Help Wanted—At once, experienced, single and sober greenhouse man; wages $25.00 per month and board; steady position for right party. Address with reference H. HEEPE'S SONS, 26 So. Main St., Akron, O.

Help Wanted—Reliable sober man who understands growing roses, carnations and bedding plants; must be a salesman; wages, $40 per month with board and room; must come at once. Address Key 832, care American Florist.

Help Wanted—A first-class grower of pot plants and bulbs; only a man of experience need apply. Also a good store man; must be a first-class designer and decorator; give full particulars with references in first letter. State wages expected. Address MARTIN & FORBES, 347 Washington St., Portland, Ore.

Help Wanted—General manager with good business ability and a general knowledge of plant and flower production, indoors and out; some knowledge of nursery and ornamental stock no disadvantage. Working force 20 to 30 men. A live commercial place in Central Ohio. Good dwelling house. A good position for the right man, middle age preferred. Give detailed experience, references and salary wanted in first letter. Address Key 831, care American Florist.

Wanted—To rent greenhouses. Address F. SPERREY, 755 W. Madison St., Chicago.

Wanted—To take entire or part cut of carnations from grower in south-eastern Ohio. Address Key 833, care American Florist.

For Sale—Nine greenhouses, dwelling house and barn, 3½ acres of ground. For particulars address P. O. Box 109, Newtown, Bucks Co., Pa.

For Sale—A1 down-town retail store for sale; established 10 years; bargain. Enquire VAUGHAN & SPERRY, 60 Wabash Ave., Chicago.

For Sale—Established retail florist business in St. Louis, Mo., doing $7,500.00 to $8,500.00 per year. Address Key 823, care American Florist.

For Sale—Flower store and greenhouse, splendid location and good, established trade. Will sell cheap on account of other business. Address Key 808, care American Florist.

For Sale—A thriving florists' business in Illinois; 20,000 ft. of glass, all planted with roses, carnations, 'mums and general stock in fine condition; modern 10-room dwelling, all built within the last 10 years; last year's sales, $6,000.00. Cause for selling, other business. Address Key 805, care American Florist.

For Sale—All the glass 10x12 double strength A, on five houses, each 20 ft. by 115 ft., for $500 as it stands. Will include sash bars and doors. Also two Kroeschell hot water boilers; one steam boiler, 20 H. P., used three months, dirt cheap. Several thousand feet 4 inch hot water pipe, 7c per foot. BRANT & NOE FLORAL CO., W. Peterson and N. 48th Aves., Chicago.

For Sale—Worthington duplex steam pump, capacity 30-40 gal. per minute in good condition, $45.00; No. 1 receiver and fittings for pump, good as new $50.00. Dean pump for hand or steam, almost new, $20.00; 6-inch pressure regulator, used two seasons, $50.00; 2½-inch pressure regulator, $18.00. Carnation supports $15.00 per 1000; $125.00 for 10,000. JAMES W. DUNFORD, Clayton, Mo.

FOR SALE.

Old established retail florist's store. Reason for selling going west. For particulars, write to

F. K., 700 N. 5th St., Philadelphia, Pa

FOR SALE.

COLORADO SPRINGS, COLO.

Wholesale and retail business, well located, 34 greenhouses, 13 acres of land, 4 boilers, 16-60; 2 dwellings. For terms address

WM. CLARK.

FOR SALE.

Des Moines, Iowa, wholesale and retail greenhouse establishment, 29,000 feet of glass, three acres of ground, well located, all in good order, with good wholesale and retail trade. Price, about $8,400; terms reasonable.

VAUGHAN'S SEED STORE
CHICAGO.

BOILERS.

One 80 H. P. return tubular, one 32 H. P. upright tubular, for sale at buyer's price. Must be moved at once. Address

1416 Washington Ave.,
PHILADELPHIA.

GLASS FOR SALE.

We have for sale a quantity of A. and B. double thick, Pennsylvania hand made, tank glass, all of which runs exceptionally uniform in quality and thickness. Terms cash. Inquiries solicited.

King Construction Co.
NORTH TONAWANDA, N. Y.

Always mention the American Florist when you order stock.

Chrysanthemum Society of America

The annual meeting of the Chrysanthemum Society of America was called to order by President Duckham at 3 o'clock Wednesday afternoon, November 7. There was a fairly good attendance and it was a thoroughly representative gathering. In the audience we noted Wm. H. Elliott and Alex. Montgomery, of Boston, Mass.; C. H. Totty and A. Herrington, Madison, N. J.; John F. Sullivan, Detroit, Mich.; Fred Lemon, Richmond, Ind.; John Bertermann, Indianapolis, Ind.; Wallace Pierson, Cromwell, Conn.; Paul and Henry Dailledouze, Flatbush, N. Y.; Elmer D. Smith, Adrian, Mich.; David Fraser, Pittsburg, Pa.; John N. May, Summit, N. J.; Otto Koenig and Fred Meinhardt, St. Louis, Mo., etc. The president read his annual address and a number of the points made therein were discussed. Secretary Fraser followed with his report, making a number of excellent recommendations with regard to the membership, the recording of varieties and the publication of an annual report. Treasurer John N. May's report showed a substantial balance on hand. In the discussion of these recommendations the society decided to issue an annual report. Elmer D. Smith promised to give the society and its members all available information at any time with regard to the dates, source, etc., of varieties introduced and imported. He will be glad to rec ive full particulars of new varieties for the purpose of maintaining this record complete and up-to-date. It should be understood that this record is at the service of members of the society at all times through Mr. Smith's courtesy. All those interested in the welfare of the chrysanthemum, especially members of the society, should aid Mr. Smith to the fullest extent by sending him all available information pertaining to new varieties, sports, seedlings or importations. The work is gratuitous on Mr. Smith's part and he should have all the aid possible.

In the election of officers, Alfred J. Loveless, of Lenox, Mass., was chosen president; Wm. Kleinheinz, Ogontz, Pa., vice-president; John N. May, Summit, N. J., treasurer; David Fraser, Pittsburg, Pa., secretary. Three invitations were received for the next annual meeting, Jamestown, Va., St. Louis, Mo., and Indianapolis, Ind. The selection of the place of meeting, however, was left to the new board of officers.

A paper on the "Influence of Climatic Conditions on Chrysanthemum Culture" by E. G. Hill was then read and provoked some interesting discussion, chiefly as to the action of frost on the buds and wood. It was claimed that when frost occurred early the plants bloomed early and vice versa, W. R. Pierson, Elmer D. Smith, C. H. Totty and A. Herrington participating in the discussion.

President Duckham's Address.

Gentlemen and Fellow Members of the Chrysanthemum Society of America:

It affords me great pleasure to greet you and bid you welcome. When last you assembled in annual session I had gone across the ocean and had to leave a written word to represent me in my absence. It is now my pleasure and privilege to meet with you, to see your interest and join in your enthusiasm, to counsel with you as to the future, and to take record of the past, with its trials and triumphs.

I must begin my address by a very sincere expression of thanks for the honor you have done me in a re-election to the office of president. I wish I might count myself worthy of this endorsement. There are perhaps few pleasures in life superior to that of a kind recognition from the men who work with one in the business of life. I fear that I must reckon to friendliness, kindliness and generosity rather than to judgment the honors you have been pleased to confer on me.

And now when I come to such message as I have to deliver let me begin by expressing my sincere pleasure that we are meeting in this magnificent city, abounding in vigorous, developing life. I deem it truly an ideal city for our exhibition and meeting. Nowhere else in America, I may truly say, are there such quantities of material on which to draw. We who hail from the eastern part of the country are amazed at the strides and progress made in horticulture in and about Chicago; and no little of this success is due the members of the Horticultural Society of Chicago. We are happy, thrice happy, to meet in such an atmosphere of success. It is good to be among people who are doing things, who are going ahead by leaps and bounds. But great as is your progress, I must own it is not great enough in some ways. The ultimate basis, in America at least, of all great progress must be the commercial basis; you have that basis magnificently laid.

Four years have passed since we last met in Chicago, and the commercial progress hereabout since then is perfectly staggering. I had an opportunity of viewing some of it at the time of the St. Louis fair, for I passed through your great city at that time. There seems no end to your development, to the founding of new firms and to the enlargement of old ones.

But I am not quite sure that the development of a higher culture of the chrysanthemum has quite kept step with the commercial development. We have seen a fine development in culture undoubtedly, but whether it is as large as it ought to be is not quite clear in my mind. We must do better, or in a real sense we are not doing all that might be done.

However that may be, it is perfectly certain that the growth of the society in membership is disappointing. I suggested in my message last year that personal solicitation was the surest method of increasing membership. I am still of that opinion. There are far too many growers, both amateur and professional, who are not in the society. We need a little more judicious "buttonholing." Will you let me make another suggestion? Would it not be possible for us to impose on our admirable committees at Chicago, Cincinnati, Philadelphia, New York and Boston the slight additional burden of increasing our membership list? I hope you will not consider the suggestion indelicate.

Well, we are here, and perhaps our chief business after all is to take an account of stock and ask where we stand in relation to the real progress—the development of newer varieties. The newer ones are obviously a great improvement on their predecessors. We are going forward, every one of you will concede; especially does this apply to exhibition varieties. But we are still too much dependent upon Europe and Australia. Furthermore, it seems to me that private gardeners are too much dependent on their commercial friends, and are indifferent, more or less, where or how the newer varieties are obtained. Yet each year how eagerly some of us are looking for striking novelties over those of the preceding year.

Our progress in America, as far as new varieties is concerned, is almost wholly made by these great houses who have laid such broad and deep commercial foundations. Such men as Smith, Hill, May, and, in the last few years, Totty, have all done much to raise the standard and create a love for the flower we at this time represent.

It is fully time for the private gardeners to have a bit bigger try at hybridizing and raising new varieties. It is the most fascinating of all works, and once entered upon is sure to be an increasing delight and a practical enterprise. Somebody may smile and point at me and ask me to take my own medicine. Well, perhaps I may have a try. Meantime I commend and urge this upon others who may have better opportunities in some ways than are mine.

In the message sent you last year I ventured to say that perhaps during my absence I might see something worthy of comment this year. I had the great pleasure of attending the Edinburgh (Scotland) show, and I must confess I was completely overwhelmed by it, both by the magnificent blooms shown and the attendance. There were over 70,000 paid admissions in three days. Think of that, and be humble! Nay, think of that, and lay plans day and night to rouse our people to a similar interest! What could we accomplish if we had a constituency like that?

Perhaps I may say a word about the varieties that reigned supreme at Edinburgh. They were Elsie Fulton, Mrs. Barclay, J. A. Salisbury, Mrs. T. W. Vallis. Are you not surprised? The finest flower I have ever seen was a Mrs. T. W. Vallis. You know how poor a performer it is here. I saw also the variety Lady Conyers, which, as you know, is small and hard under our conditions, and after several unsuccessful trials many have discarded it. But this same variety at Edinburgh was wonderful in size, delicate in color and with long trailing petals. It seems impossible, but it is true, that the Scotch climate appears to suit the flower, for many varieties that with us are usually dull and unattractive were brilliant, showing at once that climatic conditions play no small or unimportant part in the culture of the chrysanthemum.

One word more and I shall cease to tax your patience. The Germans and French have both gone into the growing of the chrysanthemum with great energy, especially the latter; and many fine varieties can be traced to the handiwork of the French hybridist. Therefore, it behooves us to be up and doing. Nay, I would say it is our duty to see to it that we raise such varieties as we can give to the world.

That our society is very grateful to the Horticultural Society of Chicago for the courteous and generous treatment received you will all agree, and I feel sure I voice the sentiments of all members of the national society in expressing our thanks and appreciation for the privilege and honor of meeting here.

I thank you, gentlemen, for your kind attention and I wish you increasing success.

EXAMINING COMMITTEES.

President Duckham has announced the committees to examine seedlings and sports on dates as follows: October 6, 13, 20, 27 and November 3, 10, 17 and 24, 1906. Exhibits to receive attention from the committees must in all cases be prepaid to destination and the entry fee of $2 should be forwarded to the secretary not later than Tuesday of the week preceding examination or may accompany the blooms. Special attention is called to the rule requiring that sports to receive a certificate must pass three committees.

New York, Eugene Dailledouze, chairman, 55 and 57 West Twenty-sixth street, Thos. W. Head and Wm. Turner.

Philadelphia, Pa., A. B. Cartledge, chairman, 1514 Chestnut street, John Westcott and Wm. K. Harris.

Boston, Mass., E. A. Wood, Chairman, Wm. Nicholson and James Wheeler. Ship flowers to Boston Flower Market, care of John Walsh.

Cincinnati, O., R. Witterstaetter, chairman, James Allen and Wm. Jackson. Ship flowers to Jabez Elliott Flower Market, care of janitor.

Chicago, J. S. Wilson, chairman, J. B. Deamud and Geo. Wienhoeber. Ship flowers care of J. B. Deamud, 51 Wabash avenue.

OFFICIAL JUDGING SCALES.

The official scales of the society are as follows:

FOR COMMERCIAL PURPOSES.

Color	20
Form	15
Fullness	10
Stem	15
Foliage	15
Substance	15
Size	10
Total	100

FOR EXHIBITION PURPOSES.

Color	10
Stem	5
Foliage	5
Fullness	15
Form	15
Depth	15
Size	35
Total	100

Chicago, October 27. Mme. Loissean Rosseau, pink, exhibited by the E. G. Hill Co., Richmond, Ind., scored 82 points exhibition scale.

Cincinnati, November 3. Ongawa, bronze, Japanese incurved, exhibited by Nathan Smith & Son, Adrian, Mich., scored 88 points exhibition scale.

DAVENPORT, IA.—Ed. Littig, of the firm of Littig Bros., taking part in some horse-play after a football game November 3, was accidentally killed by colliding with a passing vehicle.

CAMDEN, N. J.—Wm. S. Maull, receiver of L. K. Peacock, Inc., will expose for sale at public auction the book accounts remaining uncollected, amounting to a total of $507.62, at 311 Market street, this city, November 12, at 10 a. m.

NEWS NOTES.

NORTH ABINGTON, MASS. — The Bay State nursery company are adding to their new greenhouses on Adams street.

IOWA CITY.—A new botanical laboratory and greenhouse will be built at the State University. The laboratory building is to be two stories 30x30 feet, the greenhouses 12x48 feet.

OKLAHOMA CITY, OKLA.—The Stiles Co. has leased the room in the Lee building, now occupied by the Jenkins Music Co., retaining their present quarters on Grand avenue exclusively as a seed store.

ADAMS, MASS.—A. J. Boothman has just had a new greenhouse built. It is to be ventilated, sprinkled and heated automatically; also equipped with electric light. It is one of the best commercial greenhouses in the country, and will be used for roses.

NORTH ABINGTON, MASS.—W. H. Wyman has just acquired and has started to cultivate a large plot of land east of the railroad track, near the South Weymouth land. This makes several hundred acres now under cultivation by this successful nurseryman.

LOS ANGELES, CAL. — Liabilities amounting to $5,111.25 and assets only $135 are reported as being the condition of the estate of J. W. Armstrong, a Watts nurseryman. The petition has been filed in the United States district court.

MILLBROOK, N. Y.—Chrysanthemums are doing fairly well in this part of the state, but dahlias were late coming into flower and were cut by frost October 12 when very few were in bloom. H. H. Flagler is having a 35x100 foot greenhouse built.

HARTFORD, CONN.—C. H. Sierman has been employed to improve the grounds of the Hart & Hegeman Manufacturing Co. The premises have been leveled off and surrounded by a neat hedge. Between 4,000 and 5,000 plants and shrubs will be required before the work is finished.

ANDERSON, IND.—Stuart & Haugh have rebuilt two of their houses and put up two new ones, each 20 x 100 feet. They report business improving, many fashionable weddings helping out. Five houses are planted to carnations and good blooms are being cut. Mr. Haugh is away for a month's vacation.

DUTCH BULBS

AT BARGAIN PRICES TO CLOSE OUT

We offer subject to prior sale:

HYACINTHS, Dutch Roman, About $2.00 per 100

The best forcers, as follows:
Blondin.
La Grandesse, white.
L'Innocence, white.
Baron Von Thuyll, blue.
Gertrude, pink.
Czar Peter, blue.
Mad. Van der Hoop, white.
Chas. Dickens, blue.
Grand Maitre, blue.

HYACINTHS, Single, Sep. Colors, at $2.75 per 100

White and blush.
Rose.
Red and Rose.
Pure white.
Light blue.

HYACINTHS, Double, Sep. Colors, at $2.75 per 100

Rose.
Red and Rose.
Pure white.
White and blush.
Light blue.

NARCISSUS,
Incomparable, double.
Orange, Phoenix double.
Empress.
Princeps.
Emperor.
Grand Primo.
Soleil d'Or.
Ard Righ.

TULIPS, Single Named, from 1,500 to 3,000 of each

Duchess of Parma.
Mon Tresor.
Picotee.
Artus.
Thomas Moore.
Rose Gris de Lin.
Vaughan's New pink.
Rosa Mundi.
Crimson King.
Gesneriana.
Joost Von Vondel.
Princess Marie Ann.
Pottebakker, scarlet.
Yellow Prince.
Belle Alliance.
Proserpine.
Cottage Maid.
Dusart.
Duc Von Thol, gold striped.
Duc Von Thol, scarlet.
Rembrandt.
Bouton d'Or.
Gold Finch.
La Reine.
Jagt Von Delft.
Single early fine mixed.
Single late extra fine mixed.

TULIPS, Double Named,
Murillo.
Tournesol, red and yellow.
Crown d'Or.
Rex Rubrorum.
Imperator Rubrorum.
Rosine.
Rose Blanche.
Double early extra fine mixed.
Double early fine mixed.
Double late extra fine mixed.

PARROT TULIPS,
Four kinds.

And a fair supply of nearly all kinds in our Fall Book for Florists.

VAUGHAN'S SEED STORE

84-86 Randolph Street, CHICAGO. **14 Barclay Street, NEW YORK.**

Greenhouses and Nurseries, Western Springs, Ill.

ZECH & MANN

Wholesale Growers and Commission Merchants of all Leading Varieties in

'MUMS, ROSES, CARNATIONS, and VIOLETS.

ZECH & MANN, 51 Wabash Ave., CHICAGO.

L. D. Phone, 3284 Central. **Consignments Solicited.**

SAY YOU!!!

WE CAN SUPPLY YOUR WANTS.

J. B. DEAMUD CO.,

Wholesale Florists,

51 and 53 Wabash Ave., CHICAGO.

J. B. Deamud, Pres.
W. P. Kyle, Vice-Pres.
Alex. Newett, Mgr.

OUR ENTIRE STOCK FOR SALE

That's what we are in business for, to sell you all **FLORISTS' SUPPLIES** and greenhouse requisites. We meet all demands if the demands meet us. **LEADERS IN OUR LINES.**

C. C. POLLWORTH CO., MILWAUKEE.

Salt Lake City.

DEMAND GOOD.

There has been a big demand for flowers here for the past 10 days and as a consequence all the florists have been kept on the jump "rustling" flowers. Asters and sweet peas are about done while carnations are coming in rather slowly. There are a few chrysanthemums on the market which sell readily at from $3 to $5 per dozen.

NOTES.

Walter King, of the Salt Lake-Huddart Floral Co., is making quite a number of improvements at his place, such as painting the interior and exterior, and remodeling his ice box, putting in a plate glass front, and fixing it up generally. It is a decided improvement.

"Chick" Alt, of the Huddart Floral Co., reports that it has been keeping them hustling day and night in order to handle the funeral and wedding orders.

A peculiar coincidence happened to the Lambourne Floral Co. a short time ago. One day they had five funerals and the next day they handled five weddings.

Mr. Smith, of the Sugar House Floral & Seed Co., surprised his many friends lately by going off quietly and getting married. Congratulations.

Professor Pfau has got his establishment all glazed and planted ready for the winter rush.

D. E. and L. M. Law have returned from Ohio where they went to attend the funeral of their father.

Ralph Rieben must have crawled into a hole for the winter as no one has seen him up town lately.

Jack Kraus has departed for Alta, Utah, where he is going to engage in mining.

UTAH.

XMAS GREENS

HOLLY, BOUQUET GREEN, LAUREL,
MISTLETOE,
NEEDLE PINES,
WREATHING,

HOLLY AND EVERGREEN WREATHS, ETC.

WRITE OR WIRE US for prices whenever you are ready to buy. Prices are quoted by mail for prompt acceptance, and customers are especially desired to ask us for net prices just when ready to buy, as values on this FLUCTUATE almost daily. We keep in close touch with the market and supply at right prices.

WRITE FOR A COPY OF OUR CHRISTMAS CIRCULAR. JUST ISSUED.

Vaughan's Seed Store,

CHICAGO:
84-86 Randolph St.

NEW YORK:
14 Barclay St.

SINNER BROS.

58-60 Wabash Ave., CHICAGO.

BEING located in the Growers' Market, with large supplies from our own greenhouses and the stock of two score of the best growers to draw upon, we have facilities second to none for the prompt and satisfactory handling of shipping orders for all holidays.

WHOLESALE FLORISTS

BEAVEN'S
Fadeless Sheet Moss
$3.50 per bag.

Southern Wild Smilax
IN ANY QUANTITY.
E A. BEAVEN, Evergreen, Ala.

Hardy Cut Ferns
FANCY or DAGGER,
90c per 1000.
Bouquet Green, fine quality, $7.50 per 100 lbs.
Xmas. Trees, by the carload or in small job lots.
Sphagnum Moss, fine quality, 50c per sack.
All orders by mail or despatch or long distance telephone promptly attended to.
THOMAS COLLINS, Hinsdale, Mass.

FERNS, IN FINE SHAPE
PIERSONI....6-in., 35c; 5-in. 25c; 4-in., 15c.
BOSTON.....5-in., 25c; 4-in., 15c.
SCOTTII.....5-in., 30c; 4.in., 20c.
ANNA FOSTER.....2½-in., 4c
All No. 1 stock. CASH PLEASE.
BENJ. CONNELL, Florist, West Grove, Pa

WHOLESALE FLORISTS. FLORISTS' SUPPLIES.
After extensive alterations our new establishment has been formally opened, where we shall be pleased to meet our patrons with a full line of Cut Flowers (our new department), also the fine stock of Florists' Supplies, for which during the last eight years, we have been the New England Headquarters.
HENRY M. ROBINSON & CO., 11 to 15 Province St. and 9 Chapman Place, BOSTON.

Extra Fine New Crop **FANCY FERNS** $1.25 per 1000
Discount on large orders.
GREEN GALAX.....per 1000, $1.25
Send for our weekly price list on Cut Flowers. Let us have your standing order for Ferns; will make price right all through the season.
MICHIGAN CUT FLOWER EXCHANGE
WM. DILGER Mgr. 38 and 40 Broadway formerly Miami Ave., DETROIT, MICH.

Wholesale Flower Markets

ST. LOUIS, Nov. 7.

Roses, Beauty, long stem	2 50@ 3 00
" " medium stem	1 50@ 2 00
" " short stem	50@ 1 00
" Bride, Bridesmaid	2 00@ 6 00
" Pres. Carnot	2 00@ 8 00
" Kaiserin	2 00@ 8 00
" Chatenay, Richmond	2 00@ 5 00
Carnations, common	1 50@ 2 00
" best	3 00
Smilax	12 50@15 00
Asparagus Sprengeri	1 00@ 3 00
" Plumosus, strings	25 00@40 00
Fancy ferns, per 1000, $1 75	
Lily of the valley	4 00
Chrysanthemums, f'cy, doz., $2@$3	
" ordinary, 75c@1.50	
Violets	40@ 50

PITTSBURG, Nov. 7.

Roses, Beauty, specials	@25 00
" " extras	15 00@18 00
" " No. 1	@10 00
" " ordinary	4 00@ 6 00
" Bride, Bridesmaid	3 00@ 8 00
" Chatenay	4 00@ 8 00
" Richmond	4 00@ 8 00
" Kaiserin	4 00@ 8 00
" Cusin	4 00@ 6 00
" Perle	4 00@ 6 00
" Bon Silene	4 00
Chrysanthemums	4 00@25 00
Carnations	1 00@ 3 00
Lily of the valley	2 00@ 4 00
Violets	75@ 1 25
Smilax	12 50@15 00
Asparagus, strings	30 00@50 00
" Sprengeri	2 00@ 4 00
Lilies	18 00@18 00
Adiantum	75@ 1 50

CINCINNATI, Nov. 7.

Roses, Beauty, per doz.	$1 00@$4 00
" Bride, Bridesmaid	3 00@ 6 00
" Liberty	4 00@ 8 00
" Meteor, Golden Gate	3 00@ 6 00
Carnations	1 00@ 3 00
Lily of the valley	3 00@ 4 00
Asparagus	50 00
Smilax	12 50
Adiantum	1 00
Asparagus plumosus and Sprengeri in bunches, per bunch 25c	
Ferns, per 1000, $1 50	
Longiflorum lilies	6 00@15 00
Asters	1 00@ 2 00
Gladiolus	2 00@ 3 00

CLEVELAND, Nov. 7.

Roses, Beauty, per doz.	$1 50..3 00
" Bride, Bridesmaid, Meteor	3 00@ 5 00
" Kaiserin	4 00@ 8 00
Carnations	1 00@ 1 50
Smilax	15 00
Asparagus, strings	25 00@50 00
" Sprengeri	1 00@ 2 00
Common ferns, per 1000, $1 50	
Chrysanthemums	6 00@15 00

—PRICE LIST FOR—
Christmas Decorations
EVERGREEN WREATHING.
NATURAL.

Standard grade, per coil, 20 yds	$0 60
Light weights, per coil	50
Standard grade, dyed, per coil, 20 yds	60
Light weights, dyed, per coil	50

WREATHS.

Holly, fancy Delaware, per doz.	1 10
" Southern, per doz.	1 00
" and **Evergreen,** mixed, per doz.	1 00
Evergreen, plain, per doz.	1 00
" with Immortelle flowers, per doz.	1 10
Galax, green or bronze leaves, per doz.	90
" with Immortelle flowers, per doz.	1 00
Magnolia Wreaths, per doz.	1 00
" with Immortelle, per doz	1 10
Delaware Holly, per crate	$4 00 to 4 50
Southern Holly, per crate	3 25 to 3 75
Mistletoe, per lb.	20
Needle Pines, per doz.	1 50
Galax Leaves, per 1000	1 00
CALIFORNIA PEPPER BOUGHS, beautiful for decoration and very fragrant, per crate,	4 50
Magnolia Leaves, heavily packed, per barrel,	6 50

Let me book your orders now, and you name date when you want goods shipped.
I manufacture all my stock employing 100 hands.
H. WOODS CO. 127 S. Water St., CHICAGO.

RICE BROTHERS
WHOLESALE 113 N. 6th St.,
SHIPPERS of home grown Cut Flowers, comprising the newest varieties of blooms. Full line of supplies and decorative greens. Trial order solicited. Weekly price list issued.
MINNEAPOLIS, MINN.

SOUTHERN WILD
SMILAX.
Caldwell The Woodsman Co.
EVERGREEN, ALABAMA.

Wild Smilax. Special rates on large orders.
Bermuda Grass Sets. Prices on application.
F. & S. LEE, Marion, Ala

Please mention the American Florist when writing.

500,000 VERBENAS
60 Finest Named Varieties.
Rooted Cuttings, 75c pea 100; $6.00 per 1000
Plants, $2.50 per 100; $20.00 per 1000.
Our list is the choice from millions of seedlings. Order early.
The floral and plant business of the late Mr. J. L. Dillon will be continued under his name by his executors.
LOUISE H. DILLON, ALICE D. FURMAN } Executors.
J. L. DILLON, Bloomsburg, Pa.

Chrysanthemum Stock Plants.
Clementine Touset (ready now), $1.25 per doz.
Jeanne Nonin, $2 00 per doz.
Appleton Monrovia and Opah (ready now). Alice Byron, Golden Chadwick, W. Chadwick, Viviand Morel, Ethel Fitzroy, Dr. Enguehard, Jas. Marshall, Lily Mountford, O.P. Bassett, $1.00 per doz.
LAMPERT FLORAL CO., Xenia, Ohio.

HOLLY AND HOLLY WREATHS.
If you want good Holly buy it from me. I have a man experienced in packing for years, and quote you prices as follows:
Choice Delaware, per case, $3.00. Holly Wreaths, 10c and 12c. Laurel Roping, 3c per yard. Cash with order.
HARRY L. HUBBS,
Commission Merchant,
N. E. Cor. 34th an Cumberland Sts.
Bank Reference. PHILADELPHIA.

BOUQUET GREEN
Best quality at **lowest rates.** We gather our own **Greens** and bring by our own boat direct.
Also **CHRISTMAS TREES.**
Northern Michigan Evergreen Nursery.
SCHOONER GEO. L. WRENN, H. Schuenemann, Capt. S. W. cor. Clark St. Bridge, CHICAGO.

Always mention the American Florist when you order stock.

CHRYSANTHEMUM NOVELTIES

THIS YEAR I HAVE TO OFFER AMONG MANY OTHERS

IN WHITES

WHITE SPORT of W. Duckham, Winner of the $50.00 Frick Prize, at Chicago

MRS. A. T. MILLER, a lovely white, Certificate C. S. A.

MONEYMAKER, a white with a commercial future

IN YELLOWS

ROSE LAWRENCE, MARY GODFREY, BUTTERCUP

IN PINK

MISS MIRIAM HANKEY, one of the most beautiful things I have ever handled

Also MRS. HENRY BARNES and many others

MY NEW LIST WILL BE READY DEC. 1ST

SEND FOR IT

CHARLES H. TOTTY : MADISON, N. J.

Please mention the American Florist when writing

PITTSBURG CUT FLOWER CO. Ltd.

Pittsburg's Oldest and Largest Wholesalers.

REMOVED TO NEW LOCATION.

HEADQUARTERS FOR

Chrysanthemums, Carnations, Lilies, Adiantum Hybridum, Box Wood Sprays,

Beauties, Roses, Valley, Violets, Wild Smilax.

222 Oliver Ave., PITTSBURG, PA.

Please mention the American Florist when writing

CARNATION IMPERIAL

Variegated seedling, pink shade similar to Enchantress, and a deeper pink. Flowers 3-4 inches, strong calyx, good stems, early, free and a continuous bloomer.

PINK IMPERIAL.

A sport of Imperial, of a pleasing pink shade that has long been wanted.

My own origination. To be disseminated in 1907. Place your order at once.

PRICES. — Selected cuttings, delivery commencing in December, 1906, **$2.50** per dozen; **$12** per 100; **$100** per 1000; 50 at 100 rates; 250 at 1000 rates. 5 per cent discount for cash with the order.

JOHN E. HAINES, Bethlehem, Pa.

Please mention the American Florist when writing.

Nephrolepis Whitmani

Runners from bed, $7.00 per 100; $60.00 per 1000.

Strong established plants, in 3-in. pots, $10. per 100; $90.00 per 1000.

Nephrolepis Scottii

Runners from bed, $25.00 per 1000.

Strong plants, in 3-in. pots, $40.00 per 1000.

For prices on larger sizes and on other plants send for our Fall circular.

WM. K. HARRIS,

55th St. and Springfield Ave. PHILADELPHA, PA.

Chicago.

MARKET SOMEWHAT EASIER.

Monday saw the beginning of the reaction from conditions of last week. Then stock was scarce and demand seemed correspondingly active. Carnations were going at rose prices, and not enough at that. Roses were scarce and sold as fast as received, fair receipts of American Beauty not seeming to make an impression on the gap. Chrysanthemums were exceedingly good property, and are still so considered for that matter, and violets took care of themselves. This week, however, receipts were somewhat heavier and the demand somewhat lighter; as a consequence prices have slightly weakened. Both roses and carnations responded to the few bright days of last week and good cuts were made and placed on the market. American Beauty is still being received in quantities and is meeting with a satisfactory demand. Quantities of small chrysanthemums have been offered and readily taken. Medium and fancy grades also had an active call. Really good chrysanthemus were until this present week a bit scarcer than might have been expected, but fancy stock is now coming in more freely. The big show now on will undoubtedly stimulate a demand that will largely offset the greater receipts. Violets, now that the early crop is out of the way, are showing improved color and length of stem, most of them being of really excellent quality. Lily of the valley is in fair supply, but goes about as fast as offered. Gardenias continue to come in limited quantities. Lilies of all sorts are holding back, though some excellent blooms are seen in the market. Green goods are being received in large quantities, but the demand is entirely satisfactory.

Latest reports are to the effect that there is an abundance of stock of all sorts with perhaps the exception of violets, and prices generally are easier. Eastern violets, the main dependence, seem to be taken care of in the eastern market.

NOTES.

We were shown the other day the plans of the Foley Manufacturing Co.'s new plant, to be located after March 1 at Twenty-sixth street and Western avenue. The grounds will embrace about three acres, having a frontage of 175 feet on Western avenue and stretching back a block and a half to the C. B. & Q. tracks from which will be run their own switching track. The main building will occupy seven city blocks and be four stories high. The firm at this new location will have unexcelled facilities for the prompt handling of all orders.

Wietor Bros. were showing some mammoth blooms of Chrysanthemum T. Richardson, a light pink in color and one of the Wells-Pockett editions. This same firm has just received a shipment of chrysanthemum plants of this season's introduction from the E. G. Hill Co., of Richmond, Ind.

It is rumored that another ball may be given (possibly in February) by the wholesale florists' employes, so popular was the affair of last week in which 185 couples participated. It is also rumored that an organization may result, under whose auspices such social affairs may be given.

Zech & Mann were displaying some beautiful white blooms of the Vesper carnation. Maude Eaton, Timothy Eaton and Major Bonnaffon chrysanthemums were also seen, all of fine form and good size.

A gas explosion occurred last week in a flat building owned by, and next door to the establishment of Albert Fuchs on the north side. Three men were seriously injured, but Mr. Fuchs escaped.

C. L. Washburn, of Bassett & Washburn, says that there seems to be a more or less general complaint among commercial growers that the mere arrangement of vases should cut the figure it does at flower shows.

The Benthey-Coatsworth Co. has been receiving 6000 tea roses per day for the past six weeks, including Sundays, from their 100,000 feet of glass, and their cut is at present bigger than ever.

Peter Reinberg reports a fine crop of Mme. Chatenay and Liberty roses just coming on. These are in better form than last year, and a quantity of exceptionally fine blooms are expected.

The Poehlmann Bros. Co. have a quantity of extra fancy Major Bonnaffon chrysanthemums, magnificent blooms of exceptional form and color.

The Fleischman Floral Co., State street, has been making fine displays of violets and orchids. Some fine varieties of Cattleya Dowiana and C. labiata were included.

Clifford Pruner is representing the E. F. Winterson Co. on the road, and has been very successful. This firm is exceptionally busy in its wire design department.

Robt. Shank, late of Youngstown, O., who formerly conducted a retail store at the corner of Thirty-first street and Cottage Grove avenue, is in town again.

The foundations of the John C. Moninger Co.'s large new addition are now going in. By spring this firm will have a plant just double its present size.

Billy Graff, of the Graff Bros., Columbus, O., is in town, much to the satisfaction of the boys with whom he was so popular before he left this city.

H. R. Hughes distributed during flower show week a new booklet entitled "The Story of the Chrysanthemum." It is both attractive and timely.

Victor Bergman, of the E. Wienhoeber Co., lost a $65 overcoat Tuesday evening while arranging that firm's exhibit at the Coliseum.

Vaughan & Sperry report satisfactory trade conditions. Their stand in the Flower Growers' Market has been an unusually busy center.

The Chicago Rose Co. is in line with that immensely popular Irish beauty, the Killarney of fine size and color.

J. A. Budlong has been exhibiting some of the finest Richmond and Bride roses yet seen on the market.

Bassett & Washburn were in receipt of a quantity of that fine yellow chrysanthemum, Col. Appleton.

The A. Dietsch Co. reports an exceptionally good year and is preparing for another active season.

Some unusually fine Enchantress carnations were seen at E. H. Hunt's this week.

It is said the retail employes will soon give a ball.

Indianapolis.

TRADE GOOD.

Retailers have been fairly busy the past week, but there was no rush at any time. Towards the end of the week southsiders had a good deal of funeral work. Business in the Tomlinson Hall Market was declared satisfactory, chrysanthemums selling at good prices. There is a good demand for chrysanthemum sprays, especially white; medium sized plants in bush form also sell well.

NOTES.

Mr. Hasselman, owner of the Indianapolis Flower and Plant Co., is well pleased with this season's real estate sales. He has plotted and sold 15 acres at very good figures and still owns over 100 acres in the best residence part of this city. "Land around here is getting rather valuable for greenhouses," Mr. Hasselman says, "and my neighbors, residing in $10,000 and $15,000 homes, are beginning to glance meaningly toward my smoke stack."

John Hartje, our well known carnation hybridizer, has succeeded in breeding a new dwarf variety of green fly on some of his chrysanthemums. They are very beautiful and distinct and quite hardy and will be offered to the trade in due time.

A. Wiegand and wife have returned from Honolulu. Mr. Wiegand, who has traveled extensively, is well pleased with his latest trip and very enthusiastic about the Hawaiian islands.

A. Wiegand & Sons have a white pine hotbed sash, which has been in use for over 60 years and is still serviceable.

H. W. Rieman is on a trip to Nathan Smith & Son, Adrian, Mich., to inspect their chrysanthemums.

Baur & Smith, so far, have rooted 30,000 geranium cuttings.

J.

TOLEDO, O.—Geo. Heinl is at Mt. Clemens, Mich., treating his rheumatism.

BEATRICE, NEB.—Carl Sondregger, proprietor of the German Nursery & Seed Co., is planning the erection of an upper floor to his tree cellar. It is to be used as a seed room and has been rendered necessary by the increase in this branch of the business.

ALTON, ILL.—An interesting ceremony took place November 5 at St. Mary's church at a nuptial high mass, when the golden wedding of Joseph Krug and wife, and the wedding of their niece, Miss Josephine Merkle, to Peter T. Reyland, was celebrated. Joseph Krug was the founder of the well known Krug gardens 45 years ago, and the aged couple have lived there ever since. Krug's has quite a local fame and every one knows that if anything specially good is required, that Krug's is the place to get it. J. Krug was born in Middletown, O., in 1836.

WIETOR BROS.,
Wholesale Growers of Cut Flowers
All telegraph and telephone orders given prompt attention.
51 Wabash Ave., CHICAGO.

E. H. HUNT

"THE OLD RELIABLE"

MUMS and VIOLETS

Chrysanthemums in any quantity and all colors. Choicest single and double **Violets.** All other **Cut Flowers. Ferns,** etc., in any quantity.

Wholesale Florist, 51 Wabash Ave, CHICAGO.

E. C. AMLING

THE LARGEST, BEST EQUIPPED, MOST CENTRALLY LOCATED WHOLESALE CUT FLOWER HOUSE IN CHICAGO.

32, 34, 36 RANDOLPH ST., CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Please mention the American Florist when writing

WEILAND-AND-RISCH

Wholesale Growers and Shippers of

CUT FLOWERS

59 Wabash Ave., CHICAGO.

'Phone Central 879.

Write for our wholesale price list.

WHOLESALE FLORISTS

Please mention the American Florist when writing.

Jensen & Dekema

CARNATION SPECIALISTS

674 W. Foster Ave., CHICAGO.

Please mention the American Florist when writing

SINNER BROS.

WHOLESALE CUT FLOWERS

60 Wabash Ave., Chicago.

Careful attention to all

SHIPPING ORDERS.

Please mention the American Florist when writing.

Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO

Telephone, Central 3284.

Please mention the American Florist when writing.

Wholesale Flower Markets

CHICAGO, Nov. 7

Roses, Beauty, 30 to 36-in. stems		$4 00
" " 20 to 24-in.	"	$2 50@ 3 00
" " 15 to 18-in.	"	1 50@ 2 00
" " 12-in.	"	75@ 1 00
" Liberty, Chatenay		4 00@ 7 00
" Bride, Bridesmaid		4 00@ 7 00
" Golden Gate		4 00@ 7 00
" Killarney, Richmond		4 00@10 00
Carnations		1 00@ 2 00
" fancy		2 00@ 4 00
Lily of the valley		2 00@ 5 00
Cattleyas....per doz.,	$6 00@$7 50	
Harrisii lilies, per doz.,	$2 00@$2 50	
Asparagus plumosus, per string		35c@50c
" " per bu.,		35c@$1 00
" Sprengeri		2 00@ 4 00
Green Galax		1 00
Galax leaves.....per 1000,	$1 25	
Adiantum		75@ 1 00
Fancy ferns.....per 1000,	$1 50	
Smilax.....per string,	10c@12½c	
Chrysanthemums, per doz.,	$1 00@$3 00	
Violets		50@ 1 25
Leucothoe sprays		75
Wild smilax, 25 lb., $3; 40 lb., $4; 50 lb., $5		

The Geo. Wittbold Co.

1657-1659 Buckingham Place, CHICAGO.

The only retail florist in Chicago who grows his own cut flowers.

FUNERAL WORK ORDERS, OUR SPECIALTY.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO,

Wholesale Dealers and Growers of **Cut Flowers**

GREENHOUSES: HINSDALE, ILL.

Poehlmann Bros. Co.

Wholesale Growers of and Dealers in Cut Flowers.

All telegraph and telephone orders given prompt attention.

Greenhouses: MORTON GROVE, ILL.

35-37 Randolph St., CHICAGO.

Chas. W. McKellar

51 Wabash Ave., CHICAGO.

ORCHIDS

A Specialty,

Fancy Stock in **VIOLETS, VALLEY, ROSES, BEAUTIES, CARNATIONS** and a full line of all **Cut-Flowers. Greens, Wire-Work** and **FLORISTS' SUPPLIES.**

Send for Complete Catalogue.

Please mention the American Florist when writing.

Be your own Commission Man

THE

FLOWER GROWERS' MARKET

furnishes the facilities.

See PERCY JONES, Mgr.

60 Wabash Ave., CHICAGO.

Please mention the American Florist when writing

Vaughan & Sperry,

Wholesale Florists,

58 and 60 Wabash Ave., CHICAGO.

WRITE FOR SPECIAL PRICES.

Please mention the American Florist when writing.

PETER REINBERG

Grower and Wholesaler of **Cut Flowers.**

1,200,000 feet of glass.

Headquarters for American Beauty.

51 Wabash Ave., CHICAGO.

Please mention the American Florist when writing.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty.....

WHOLESALE GROWER of CUT FLOWERS

KENNICOTT BROS. COMPANY

40-42-44 Randolph St., CHICAGO.

Our reputation has always been that we fill orders when others fail. All stock in season at Lowest Market Rates.

THE BENTHEY-COATSWORTH CO.

35 RANDOLPH ST. **WHOLESALE FLORISTS** CHICAGO.

FANCY CHRYSANTHEMUMS.

Choice Cattleyas, 50c each. **Gardenias,** $5.00 per dozen. Headquarters for **Cut Boxwood,** 15c per lb. **Wild Smilax,** $5.00 per case; any quantity.

S. S. PENNOCK-MEEHAN CO., 1610-1618 LUDLOW ST., Philadelphia, Pa.

Philadelphia.

DEMAND KEEPS ALL HANDS BUSY.

Chrysanthemums now occupy the center of the stage under the limelight and are a most important factor at this time. They are in good supply, while an equally brisk demand keeps all hands busy filling orders. Prices range from $1 to $5 per dozen, the latter being an extreme figure for a few fancies. The great majority of the stock sells for $1.50 to $3 per dozen, the fancies running as high as $4. Halliday, Appleton, Florence Harris and Yellow Eaton are the best yellows, with White Eaton, Ivory and Alice Byron for white, while Pink Ivory, Pacific and several others make up the pinks. There are also some very pretty pompon varieties which sell readily. The chrysanthemums do not seem to interfere to any great extent with the sale of roses and carnations, all of which seem to move off at fair prices. American Beauty roses are now very fine and range from $1 to $4 per dozen. Teas are getting better. Some of the eastern stock brings as high as $10 per 100 for the fancy Bridesmaid and Killarney. Carnations are more plentiful and better in quality, some very nice stock being seen. Four dollars is high as yet. Single violets were very scarce the past week, the cool weather shutting off the supply. In many cases the plants are still outside and only flower on sunny days. Lily of the valley is in good demand. More is now grown annually for this market, but a steadily increasing trade takes it all. All kinds of greens appear to sell well. The new Whitmani fern in bunches has established itself as a standard and no stock is now complete without it. Chrysanthemums in pots are now in and are quickly grabbed up for decorations and store trade.

NOTES.

H. Bayersdorfer & Co. expect to get into their new store and warehouse in a short time, as alterations are rapidly approaching completion. Their main floor show room will be one of the finest in the country and with the other stories and basement will make this a model establishment.

There are two conspicuous signs hanging on the walls of the S. S. Pennock-Meehan Co. One reads: "Positively no donations given," the other, "No flowers sold at retail," both very good commission house mottoes.

The S. S. Pennock-Meehan Co. is receiving fine white and yellow Eaton from Weber, of Deer Park, Md. Evergreens are handled in quantity for window-box work. E. J. Fancourt has this department in charge.

The Leo Niessen Co. is handling quantities of chrysanthemums and this firm says it finds a ready sale for them. Double violets are added to the stock, some good Lady Compbell being seen.

The last accounts from the Germantown hospital report John Welsh Young on the mend. No serious complications have appeared and he is now considered out of danger.

Wm. K. Harris has a stock of the new large flowered red begonia which should make a hit at the holidays. His Begonia Gloire de Lorraine is also very fine.

Herman Zimmer of Collingwood has a new wagon on the street which will make a fine addition to his delivery service.

Wm. McKissick says trade is good. He is having a run on his Liberty roses, which are a No. 1 stock. There is also a fine line of carnations.

Edward Reid is handling something choice in double violets from up in the Hudson river district. K.

Boston.

The chrysanthemum season is now in full swing, with a stock that is far below the ordinary standard of these celebrated flowers. With the retiring of several of the largest growers of this favorite bloom the supply has been vastly deficient both in quality and quantity. The excellent stock of roses of various kinds with which the market has been well supplied for the last three weeks, is still maintained and has been the backbone of the cut flower trade. All of the varieties grown by local growers are in crop with one or two exceptions, and these are not of the most desirable types. American Beauty and Chatenay are the leading favorites. The outlook for carnations has improved considerably and they are now nearing the quality of this stock that it is usual to display during the autumn. Many new varieties are noticed, but none has yet outshone the old favorites. A good supply of excellet Enchantress carnations are being received from various sources. The supply for lily of the valley, orchids and gardenias is rapidly increasing and at present the demand is greater than ever. But small proportions of these fancy flowers are grown locally, the larger concerns throughout the country being relied upon for the supply which carries itself frequently to either one extreme or the other.

NOTES.

Thos. J. Benwell on October 30 completed 25 years of continuous service with the H. H. Hews Co. During his term of employment many improvements and new ideas have in general transformed the whole business, which has grown to be among the most extensive in this country. Mr. Benwell's acquaintances have numbered all the leading horticultural men throughout New England, through which section he of late years has confined his work, and he also is well known in the eastern section of the United States, where he formerly traveled.

Among the few growing fancy chrysanthemums this season John Streiferd, of Weymouth, has been remarkably successful. Among his best blooms, which are the equal of the best, are found Broomhead, Coombs, Enguehard, Bryon, Queen and Bonnaffon. Of other varieties of smaller size he has also a good supply, his stall presenting a very animated appearance when he arrives mornings.

The increase in trade generally for which the establishment of Welch Bros. was especially prepared and so well fitted to transact the volume of business which each day passes through the hands of the firm, is already of sufficient importance to warrant the great expenditure of money which was necessary to accomplish the requirements desired.

Pennsylvania, that beautiful yellow chrysanthemum which for many reasons is preferred over others of the same color, is being cut with great success by Wm. Nicholson. His stock which annually includes a supply of this variety, is larger than he has produced for several seasons.

Miss J. T. Coyle, for many years connected with the office of Thos. F. Galvin, has undergone on operation, from which she is rapidly recovering. Her numerous friends will be pleased to hear that it is a matter of two or three weeks before she will reappear at her post of duty.

John Walke, of Salem, has begun rather early to send to market his flowering plants. He is at present shipping a fine stock of cyclamen and Begonia Gloire de Lorraine.

Visitors: Roger Peterson, Cleveland, O.; H. A. Dreer and W. F. Dreer, both of Philadelphia, Pa.

B.

WHITMAN, MASS.—George D. Cook has opened a well equipped retail store in Bickford block.

WATERTOWN, MASS.—Pierce Bros., florists of Waverley Oaks road, are repairing one of their houses.

WATERBURY, CONN.—Greenhouses, 20x150 feet, are being erected for W. E. Sessions on his Belleview avenue residence grounds.

HUNTINGTON, MASS.—Jerry Besaw, who buys for the Crowell Fern Co., of New Salem, took a drive out into the country in October and brought back a lot of 70,000 ferns.

Beauties

THE BEST AND THE LARGEST STOCK IN PHILADELPHIA.

THE LEO NIESSEN CO.

WHOLESALE FLORIST.

Open From 7 A. M. to 8 P. M.

1217 Arch St., PHILADELPHIA, PA.

Chrysanthemums

ANY GRADE. ANY VARIETY. ANY QUANTITY.

PITTSBURG FLORISTS' EXCHANGE, Pittsburg, Pa.

NOW READY

to fill orders for **American Beauties, Lily of the Valley, Carnations** and all varieties of **Tea Roses** in lots of one hundred to one thousand at short notice. Get our prices before ordering elsewhere.

WELCH BROTHERS, 226 Devonshire St., BOSTON, MASS.

ASPARAGUS PLUMOSUS NANUS.

Cut Strings, 50 cents each.

W. H. ELLIOTT, Brighton, Mass.

THE

J. M. McCullough's Sons Co.

Wholesale Commission Florists.

CONSIGNMENTS SOLICITED.

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES, SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

Please mention the American Florist when writing.

C. A. KUEHN,

Wholesale Florist,

3122 Pine St., **ST. LOUIS, MO.**

A Complete Line of Wire Designs.

Please mention the American Florist when writing.

ROSES AND CARNATIONS

Pittsburg's Largest and Oldest Wholesalers.

PITTSBURG CUT FLOWER CO., Ltd.

222 Oliver Ave., PITTSBURG, PA.

Please mention the American Florist when writing.

Holton & Hunkel Co.

Wholesale Florists

Milwaukee, Wis.

Please mention the American Florist when writing.

H. G. BERNING,

Wholesale Florist

1402 Pine St., ST. LOUIS, MO.

Please mention the American Florist when writing.

Wholesale Flower Markets

PHILADELPHIA, Nov. 7.

Roses, Tea	3 00@ 4 00
" extra	6 00@10 00
" Liberty	4 00@15 00
" Queen of Edgely, extra	16 00@35 00
" " first	12 00@15 00
" Beauty, extra	16 00@35 00
" " first	12 00@15 00
Carnations	2 00@ 5 00
Lily of the Valley	2 00@ 5 00
Asparagus, bunch	25 00@50 00
Smilax	15 00@20 00
Adiantum	1 00@ 1 50
Cattleyas	40 00@50 00
Gardeniaa	40 00@50 00
Lilium Harrisii	12 50@15 00
Violets, single	50@ 75
" double	75@ 1 00
Chrysanthemum special	40 00@50 00
" extra	20 00@30 00
" medium	10 00@16 00

BOSTON, Nov. 7

Roses, Beauty, best	25 00@35 00
" " medium	12 00@20 00
" " culls	2 00@ 8 00
" Bride, Bridesmaid	2 00@ 4 00
" Extra	6 00@ 8 00
" Liberty	6 00@25 00
Carnations	1 00@ 2 00
" Fancy	2 00@ 3 00
Lily of the Valley	2 00@ 4 00
Smilax	8 00@12 00
Adiantum	1 00@ 1 50
Asparagus	35 00@50 00
Sweet peas	25@ 75
Violets	50@ 75
Asters	75@ 1 00
Gladioli	2 00@ 4 00

BUFFALO, Nov. 7.

Roses, Beauty	5 00@25 00
" Bride, Bridesmaid, Meteor	3 00@ 8 00
Carnations	1 50@ 3 50
Lily of the valley	3 00@ 4 00
Asparagus, strings	40 00@50 00
Smilax	12 00@15 00
Adiantum	75@ 1 50
Lilies	5 00@15 00
Chrysanthemums	6 00@25 00
Violets	60@ 1 00

THE ART OF Floral..... Arrangement.

The first special newspaper in the world for floral arrangement.

250 ILLUSTRATIONS ANNUALLY.

Specimen number free.
Subscription, $2.40 yearly.

BINDEKUNST-VERLAG,
J. Olbertz, ERFURT, GERMANY.

Please mention the American Florist when writing

J. B. MURDOCH & CO.

WHOLESALE FLORISTS,

FLORISTS' SUPPLIES.

545 Liberty Ave., PITTSBURG, PA.

Please mention the American Florist when writing.

IT IS NOT...

what you pay for the advertisement but what the advertisement pays you. It pays to advertise in the **American Florist.**

Field-grown Carnation Plants. GOOD CLEAN STOCK. WRITE FOR PRICES.

ABSOLUTELY THE BEST POSSIBLE SERVICE.

W. E. McKissick

WHOLESALE FLORIST,

Business Hours 7 a.m. to 6 p.m.

1221 Filbert Street, PHILADELPHIA, PA.

Nephrolepis Whitmani

2¼-inch, $25.00 100,

Boston Ferns 2¼-in. $3.00 per 100.

Henry H. Barrows & Sons, WHITMAN MASS.

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

New York.

MARKET QUIET.

The market is settling itself for the business which everybody has believed would be good after the election. With a fight such as has been New York's experience for some weeks, the flower business has lost the patronage of hundreds of buyers and it will be late in the week before the expected demand can materialize. Chrysanthemums are the main problem just now, and while there has been no glut to speak of, clearances are no less hard to make. Selection is a great thing and finer sorts bring much more than maximum quotations, which are for average sorts. Late varieties are coming in freely, and the best will occasionally reach fancy figures. Roses are much improved in quality and sell pretty lively. Once or twice a week arrivals are greater than the market can absorb, but clearances are made at some price or other. American Beauty is a little scarcer in the higher grades, and values are a trifle higher. Quality, too, is a little better, particularly in regard to color. Bride and Bridesmaid are lengthening in stem and top prices in grades approaching this condition are easily attained. Richmond, among the reds, is redeeming itself, and long stemmed stock brings a fair price. Killarney comes in fine condition, and is a good seller. Violets have moved up a notch, possibly because quantity is not a factor. In quality little is attained over previous weeks. Lilies continue in good demand and bring good prices because arrivals are light. Some good callas are noted, and fill demands at fancy figures. Carnations are very abundant, and the shipments on election day were rather bothersome. Prices fell a little because of quantity, growers not realizing that this particular holiday had no stimulation as far as demand was concerned.

The Market, November 7.—The market is very slow today and cleaning up difficult.

NOTES.

The rumor in circulation that the business of J. M. Hodgson & Co., 718 Fifth avenue, had been discontinued and that the business would lapse has been proved to be unfounded. There is much satisfaction in the trade that this business, probably the oldest, and certainly at one time the most prominent, will go on as usual. Many of the leading retail florists in business today graduated from the Hodgson establishment, including Geo. M. Stumpp, and Chas. A. Dards, and among the departed, the late Henry Butler and John Scallen. Richard Merritt, for many years with the concern, has severed his connection with it, and is now looking after the flower department of the Siegel Fourteenth street store and other interests.

J. R. Fotheringham, of the F. R. Pierson Co., left on the closing night of the Tarrytown show, for Boston, with a fine staging of Winsor carnations for the show to be held there. He also took with him the exhibit of this carnation which had been on the Tarrytown exhibition three days and staged it side by side with the fresh exhibit in Boston to show its rather remarkable keeping qualities. He also had with him one of the two new ferns which the Pierson Co. are about to introduce, and which has excellent claims for a place as a decorative fern.

Monday night, November 12, will be ladies' night at the New York Florists' Club, also chrysanthemum night. An elaborate programme of entertainment has been prepared for this evening, including glees by a Brooklyn glee club, and some stunts by florists who have not hitherto appeared on New York boards. In addition will be the solid entertainment which the house committee will offer. There should be an unusually large attendance.

John Bingham, the Oyster Bay florist, floats into town once in a while. He is senior warden of the Masonic lodge at Oyster Bay, which rejoices in having on its roll of members President Roosevelt. The president visited the lodge a few evenings since and both as member and man further endeared himself to his chosen. Fraternally, Mr. Bingham feels quite proud of his office, and his position in the lodge.

In the wave of sympathy which ever beats for a member of the New York Florists' Club suffering bereavement, Phil Kessler is receiving condolence on the death of his father last week. The deceased was a man highly respected in the Woodside community and well known in the florists' trade.

The Specimen Tree Transplanting and Construction Co. of New York is a concern which was incorporated at Albany last week, with a capital of $10,000. The directors are J. L. Lockwood, Jr., New York; G. B. Pettit, Brooklyn, and A. S. Hopper, Paterson, N. J.

Siebrecht & Son are comfortably settled in their new store on East Thirty-eighth street, adjoining their old quarters. The store is small, but very nicely furnished, and possesses an excellent show window which is at all times well arranged.

Gunther Bros. are making a specialty of orchids, and the recent showings they have made of Cattleya labiata have drawn many buyers to their Twenty-ninth street store.

Arthur Herrington, of Florham Farms, was busy last week with the shipment of a fine bush chrysanthemum plant to the Chicago show. It had over 500 flowers on it.

Among those disappointed through inability to attend the Chicago Flower Show is F. R. Pierson, of Tarrytown, a member of whose family is lying seriously ill.

August Millang, formerly well known as a wholesale florist, is receiving the sympathy of the trade in the death of his wife.

With gardenias in short supply the establishment of John Young is the mecca of those in want.

H. Mallstrom, the New York agent of Sander & Son, England, left this week on a trip west.

Charlie Schimmel, for a long time lieutenant of Julius Lang, is now with Ford Bros.

Julius Roehrs was a visitor at the Boston show last week.

Visitor: E. Howard Smith, Hazleton, Pa.

WRITE US FOR..... **American Beauty Roses and Chrysanthemums.**

Our Stock Was Never Finer.

GUDE BROS. CO., Washington, D. C.

LET US EXECUTE YOUR ORDERS IN THIS LOCALITY.

VICTORY GUTTMAN & WEBER, 43 West 28th Street, NEW YORK.

STRONG, FIELD-GROWN PLANTS NOW READY.

1st size $15.00 per 100. 2nd size, $12.00 per 100. 3rd size, $10.00 per 100.

DISCOUNT FOR CASH WITH ORDER.

HORACE E. FROMENT, Wholesale, Commission,
Successor to William Chormley.
Orchids, Roses, Carnations, Valley, Lilies, Etc.
57 West 28th Street, NEW YORK CITY.
Telephones 2200 and 2201 Madison Square.

WE WILL CUT 20,000 Cattleya Labiata
FLOWERS, ALSO PLANTS IN BLOOM, ALL AT THE LOWEST MARKET PRICES.
SIEBRECHT & SON, ...ROSEHILL NURSERIES.. NEW ROCHELLE, N. Y.

Choice Carnations. Selected Roses.
Traendly & Schenck
NEW YORK CITY,
44 W. 28th Street, Cut Flower Exchange.
New Telephone No. 798 & 799 Madison Sq.
Please mention the American Florist when writing

CARNATIONS
MY SPECIALTY
Consignments Solicited. Prompt Payments
Established 1891.
Alfred H. Langjahr, 55 W. 28th St., NEW YORK.
Telephone 3924 Madison Square.
Please mention the American Florist when writing.

FORD BROS.
Receivers and Shippers of
Fresh Flowers
48 West 28th St. NEW YORK.
Telephone 3870-3871 Madison Sq.
Please mention the American Florist when writing

N. Y. Cut Flower Exchange
Coogan Bldg., 6th Ave. & W. 26th St., New York.
Open for Cut Flower Sales at 6 o'clock Every Morning.
Desirable Wall Space to Rent for Advertising.
V. S. DORVAL, JR., Secretary.
Please mention the American Florist when writing.

JOHN P. SCHERER,
Wholesale Dealer in
EVERGREENS, GALAX, FERNS and DECORATIVE SUPPLIES.
I can supply everything needed in the way of GREENS OR MOSS.
636 Garden St., UNION HILL, N. J.

ORCHIDS
Largest Importers, Exporters, Growers and Hybridists in the World.
SANDER, St. Albans, England.
NEW YORK OFFICE: Room 1, 235 Broadway. T. MELLSTROM Agent

Charles H. Totty
WHOLESALE FLORIST
Chrysanthemum Novelties A Specialty. MADISON, N. J.

ORCHIDS...
(28 HOUSES)
Imported, semi-established, established, and fine Hybrids. Stove and greenhouse plants.
Inspection invited. Correspondence solicited.
JULIUS ROEHRS CO., Rutherford, N. J.

Wholesale Flower Markets

NEW YORK, Nov. 7.

Roses, Beauty, best	10 00@25 00
" " medium	5 00@10 00
" " culls	1 00@ 4 00
" Liberty, best	3 00@ 7 00
" " culls	1 00@ 2 00
" Bride, Bridesmaid, G. Gate	5 @ 5 00
" Kaiserin, Carnot	1 00@ 6 00
Carnations	1 00@ 1 50
" fancy and novelties	2 00@ 4 00
Lily of the valley	1 00@ 4 00
Lilies	6 00@15 00
Violets	40@ 75
Smilax	6 00@ 8 00
Adiantum	50@ 1 00
Asparagus	20 00@50 00
Chrysanthemums, doz.	$0 50@$3 00

Thomas Young
WHOLESALE FLORIST.
43 West 28th St., NEW YORK.

Alex. J. Guttman
The Wholesale Florist of
NEW YORK.
Phone 1664-1665 Mad. Sq. 43 W. 28th Street.

Moore, Hentz & Nash,
Wholesale Commission Florists,
55 and 57 West 26th Street,
Telephone No. 756 Madison Square. New York.

N. Lecakes & Co.
53 W. 28th St., NEW YORK.
Tel. No. 1214 Madison Square
Stands at Cut Flower Exchange, Coogan Bldg., W. 26th Street & 34th Street Cut Flower Market. SPECIALTIES: Galax Leaves, Ferns and Leucothoe Sprays, Holly, Princess Pine and all kinds of Evergreens.
Green and Bronze Galax Leaves, $1.00 per 1000.

A. J. FELLOURIS,
J. J. Fellouris, Manager.
Wholesale and Retail Dealer in all kinds of
EVERGREENS,
Fancy and Dagger Ferns, Bronze and Green Galax.
Telephone, 2675 Madison Square.
52 West 28th Street, NEW YORK.

George Cotsonas & Co.
Wholesale and Retail Dealers in all kinds of
Evergreens.
Fancy and Dagger Ferns, Bronze and Green Galax.
Phone 1202 Mad. Sq.
Main Store, 50 W. 28th St., NEW YORK

—FLOWERS SHIPPED BY—
JOHN I. RAYNOR
Are the best product of the best growers for the New York Market.
Adiantum Croweanum sold here exclusively.
49 W. 28th St., NEW YORK.
Tel. 1998 Madison Square.
Please mention the American Florist when writing

Walter F. Sheridan,
WHOLESALE FLORIST,
Telephones 3532 and 3533 Madison Square.
39 West 28th St., NEW YORK.
Please mention the American Florist when writing.

J. Seligman. Joseph J. Levy
John Seligman & Co.
WHOLESALE FLORISTS
56 West 26th Street, NEW YORK.
OPPOSITE N. Y. CUT FLOWER CO.
Everything in Cut Flowers. Consignments from growers solicited. Prompt returns. Best prices. Satisfaction guaranteed. Tel. 4878 Madison.

PHIL. F. KESSLER
Wholesale Commission Florist
Telephones { 2921 / 5243 } Madison Square.
55 WEST 26th STREET,
Consignments solicited. Prompt payments. New York.

A. M. HENSHAW
Wholesale Commission Florist.
Consignments of first-class stock solicited. A Square Deal guaranteed to all who trade here.
Telephone 5583 Madison.
52 W. 28th St., NEW YORK

A. L. Young & Co.
WHOLESALE FLORISTS.
Consignments of choice cut flowers solicited. Give us a trial.
54 West 28th St, NEW YORK.
Telephone, 3559 Madison Square.

THE KERVAN COMPANY,
20 West 27th St., NEW YORK.
Wholesale dealers in fresh cut Palmetto and Cycas Palm leaves, Galax, Leucothoe Ferns, Mosses and all Decorating Evergreens.

J. K. ALLEN.
Wholesale Commission Florist.
106 West 28th St., NEW YORK CITY.
Open every day at 6:00 A.M Tel. 167 Madison Sq

Orchids!
ARRIVED IN SUPERB CONDITION.
Cattleya Dowiana, C. gigas, C. Mossiæ, C. Percivaliana, C. Speciosissima, C. Eldorado, C. superba, C. labiata C. Leopoldii, and many more. Write for prices.
Lager & Hurrell, SUMMIT, N. J.
Orchid Growers and Importers.

CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

William H. Donohoe, No. 2 West 29th St., (One Door Off 5th Ave.) NEW YORK.

PHONES: 3034 and 3035 MADISON SQUARE.

Write, wire or telephone your orders to the above. Personal attention assured.

The best is none too good. Prices always right. Send me your next order.

DETROIT.

JOHN BREITMEYER'S SONS

Cor. MIAMI and GRATIOT AVES.

DETROIT, MICH.

...Artistic Designs...

High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

MILWAUKEE.

C. C. Pollworth Co.

MILWAUKEE, WIS.

Will take proper care of your orders in WISCONSIN.

INDIANAPOLIS.

Bertermann Bros. Co.

FLORISTS

241 Massachusetts Ave.. INDIANAPOLIS, IND.

ST. LOUIS.

Fred. C. Weber,

FLORIST,

4320-4328 Olive St., ST. LOUIS, MO.

Established 1873. Bell, Lindell 676.

DENVER.

The Park ...Floral Co.

J. A. VALENTINE, President. DENVER, COLO.

OMAHA.

HESS & SWOBODA,

Florists,

1415 Farnam Street. OMAHA, NEB

'Phone 1501 and L. 1582.

Please mention the American Florist when writing.

DENVER.

FLORAL DESIGNS AND FLOWERS.

Best Quality on Shortest Notice.

DANIELS & FISHER, DENVER, COLO.

Order by mail, telephone, telegraph or cable.

Cable address: "Daniels Denver."

LONDON PARIS BERLIN

A. Lange

Prompt Attention to STEAMSHIP ORDERS.

Main Address 40 East Madison Street, Heyworth Bldg. ...CHICAGO.

Agents in all Leading European Cities.

WASHINGTON, D. C.

Gude's.

CHICAGO.

P. J. HAUSWIRTH

Auditorium Annex,

CHICAGO.

Mail, telegraph or telephone orders filled promptly in best style.

BUFFALO.

Palmer's

Buffalo, N. Y.

W. J. Palmer & Son, 304 Main St.

WASHINGTON.

GEO. H. COOKE,

FLORIST

Connecticut Avenue and L Street,

WASHINGTON, D. C.

KANSAS CITY.

Samuel Murray

...FLORIST...

Coates House Conservatory

1017 Broadway, KANSAS CITY, MO.

Both 'Phones 2670 Main.

Write, Telephone or Telegraph. All orders given prompt attention.

KANSAS CITY.

GEO. M. KELLOGG,

906 Grand Avenue,

KANSAS CITY and PLEASANT HILL, MO.

Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

BROOKLYN, N. Y.

Robert G. Wilson

Fulton St. and Greene Ave. BROOKLYN

Greenhouses: Short Hills, N. J.

—Deliveries in—

Greater New York, Long Island and New Jersey.

Trade orders from all parts of the country filled for delivery at residence, steamer, hotel, or theater on wholesale basis. Satisfaction guaranteed. Wire or telephone.

ST. PAUL.

HOLM & OLSON,

ST. PAUL.

THE LEADING FLORISTS OF THE NORTHWEST

Orders will be well cared for anywhere in Minnesota and the Dakotas.

GALVESTON.

Mrs. M. A. Hansen,

—FLORIST—

Galveston, Texas.

Special attention given to Telegraph or Telephone Orders. 'Phone 1912.

JACKSONVILLE.

MILLS THE FLORIST,

36 W. Forsyth Street,

JACKSONVILLE, FLA.

WASHINGTON.

Mayberry & Hoover

Florists and Decorators

1339 Fourteenth St., Northwest

Telephone North 508. WASHINGTON, D. C.

New Orleans

CUT FLOWERS

For Tourists and General Trade.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, 838 CANAL ST.

COLUMBUS.

The Livingston Seed Co.

FLORISTS

Cover All Ohio Points. 114 North High St.

YOU WANT CUT FLOWERS

That you can sell to advantage. You want the **BEST STOCK,** and only the **BEST,** don't you? Then give us a trial. We have **every** facility for handling the choicest lines of seasonable stock—and we do.

FLORISTS' SUPPLIES are specialties of ours The most up-to-date and best of supplies can be obtained of us at lowest price. Try us once and we will get your future orders. Write for catalogue.

A. L. RANDALL CO., 19-21 Randolph St., Chicago

The Cleveland Cut Flower Company,

WHOLESALE CUT FLOWERS, FLORISTS' SUPPLIES, WIRE DESIGNS.

215 Huron Road, CLEVELAND, OHIO.

Geo. H. Angermueller

WHOLESALE FLORIST,

1324 Pine St., ST. LOUIS, MO.

All Flowers in Season.
FULL LINE OF
Florists' Supplies.
Consignments Solicited.

Cut Flowers or Designs

Will be delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

ST. LOUIS.

Theodore Miller

FLORIST,

Long Distance Phone, Bell, Forest 56, Kinloch, Delmar 201. **4832 Delmar Boulevard ST. LOUIS, MO.**

Please mention the American Florist when writing

DAYTON, O.

Matthews,

FLORIST,

16 W. 3rd St., DAYTON, O.

Please mention the American Florist when writing.

ALBANY, N. Y.

EYRES

Flowers or Design Work.

DELIVERED IN ALBANY AND VICINITY ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

Please mention the American Florist when writing

ROCHESTER.

J. B. KELLER SONS,

FLORISTS.

25 Clinton Ave., N., ROCHESTER, N. Y.

Rochester Phone 506. Long Dist. Bell Phone 2189.

Please mention the American Florist when writing

LOUISVILLE.

JACOB SCHULZ, 644 Fourth Ave., LOUISVILLE, KY.

Cut Flowers of BEST QUALITY in season delivered promptly to any address.

Write, Telegraph or Telephone.
Cumberland and Home Phones 223 and 984.

Please mention the American Florist when writing

ATLANTA.

ATLANTA FLORAL CO.

41 Peachtree Street, ATLANTA, GEORGIA.

Please mention the American Florist when writing.

WASHINGTON. NEW YORK.

J. H. SMALL & SONS,

Fifty Years in the Florist Business,

Keeping step to the music of **PROGRESS.**

ARTISTIC DESIGNS AND DECORATIONS

The Highest Grade Cut Flowers.

Particular attention paid to shipments at our **New York Store.**

14th and G Street, WASHINGTON, D. C. **1153 Broadway and Waldorf-Astoria, NEW YORK.**

David G. Grillbortzer,

Wholesale and Retail

FLORIST

Carnations and Roses a Specialty.

ALEXANDRIA, VA.

John Robertson,

Florist and Landscape Gardener,

1108 Connecticut Avenue, Washington, D. C.

Please mention the American Florist when writing.

SAN FRANCISCO.

J. B. Boland Co.

Successors to Sievers & Boland,

FflorISTS,

47-49 Geary St., SAN FRANCISCO, CAL.

Blackistone Florist
14th and H Sts. N.W.
Washington, D.C.

Please mention the American Florist when writing.

FERNS FROM BENCH.

BOSTONS, ready for 4 and 5-inch pots, $10.00 and $15.00 per 100 respectively.

CARNATIONS.

1500 Norway, extra large, healthy plants, $3.50 per 100; $30.00 per 1000.

ASPARAGUS.

Heavy, 2½-inch, plants, ready for a shift, Sprengeri, extra fine.. 3.00 per 100; 25.00 per 1000
" field-grown clumps, $6.00 per 100.

JERUSALEM CHERRIES, 3½-inch, now in bloom, $4.00 per 100 These plants are ready for 5-inch.
1500 **CALIFORNIA VIOLETS,** fine big clumps, $5.00 per 100.

J. W. DUNFORD, Clayton, Mo.

Please mention the American Florist when writing.

TWO TWENTIETH CENTURY STORES

The Washington Florist Co.

Designers and Decorators.

13th and F Streets, 14th and R Streets
WASHINGTON, D. C.

Please mention the American Florist when writing.

W. W. KIMMEL,

FLORIST,

1139 14th St. N. W.
Cor. Mass. Ave.

Phone N. 3256. **WASHINGTON, D. C.**

It is good business policy to mention
The....
AMERICAN FLORIST
When you write to an advertiser

The Seed Trade.

American Seed Trade Association.
H. W. Wood, Richmond, Va., Pres.; C. S. Burge, Toledo, O., First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas. Twenty-fifth annual convention at New York, 1907

ONION SET prices are tending higher.

ASPARAGUS and rhubarb roots for forcing are much in demand.

NASTURTIUM QUEEN OF TOM THUMBS is as usual among the short items.

THERE is considerable inquiry from abroad for the newer sweet peas.

CHICAGO.—Alderman Thos. M. Hunter was elected municipal court bailiff last Tuesday.

THE clay grass growing heads sown with grass seed have been good sellers during summer and fall.

KOCHIA TRICHOPHYLLA, the summer cypress or burning bush, will prove a most attractive item in the 1907 catalogues.

VISITED CHICAGO: A. B. Clark, representing the Everett B. Clark Co., Milford, Conn.; Max Wilhelmi, Lawrence, Kans.

MICHIGAN beans are not turning out such a bountiful crop as was expected when harvesting began, according to Mr. Sheap of S. M. Isbell & Co.

WAKEMAN, O. — C. S. Clark has bought the Campbell place near his seed warehouse and is having horse sheds built for the convenience of growers' teams and building a large storeroom overhead.

TWO-CENT letter postage for each half ounce will go into effect between New Zealand and the United States on November 1. This arrangement will no doubt bring the two countries into closer business relationship.

NICOTIANA AFFINIS hybrids are among the best and most meritorious novelties of the past season and will again be pushed prominently. On account of their sweet odor and less rampant growth they are preferable to N. Sanderæ.

PROVIDENCE, R. I.—Rennie & Thompson is the name of a new firm located at 135-137 Washington street. Mr. Rennie has been identified with the trade in this locality for the past 20 years, and Geo. C. Thompson for a like period with the leading houses in this country, more recently for eight years with R. & J. Farquhar & Co., Boston, Mass.

Death of Mrs. D. M. Ferry.

Illness originating in a chill last June resulted in the death of Mrs. Addie E. Ferry, wife of Dexter M. Ferry, Detroit, Mich., at her summer home, Unadilla, N. Y., November 2. Her acute sickness had covered a period of three weeks. Mrs. Ferry had a severe illness in June and was taken to her old home the first of September to recuperate. She seemed to gain strength and celebrated her wedding anniversary October 1 in the midst of her friends and seemingly in good health. Shortly after she became worse and continued so to the end. Mrs. Ferry was born in 1841 at the Milfer homestead, where she was married to Mr. Ferry October 1, 1867, locating immediately after in Detroit, where she was known by many acts of quiet philanthropy.

5,400 ACRES OF GARDEN SEEDS IN CULTIVATION.
Braslan Seed Growers Co.
WHOLESALE SEED GROWERS.
SAN JOSE, CALIFORINA.

WE ARE BOOKING ORDERS NOW FOR
Asparagus Plumosus Nanus
For delivery next winter. Per ounce (700 seeds), $1.00; per pound, $14.00; per 5 pounds, $55.00; per 10 pounds, $100.00.
F. GILMAN TAYLOR SEED CO.,
GLENDALE, CALIFORNIA.
Please mention the American Florist when writing

CONRAD APPEL, DARMSTADT, GERMANY.
ESTABLISHED 1789.
Forest and Agricultural Seed Establishments,
HIGH GRADE GRASS SEEDS
Clover, Agricultural and Forest Tree Seeds,
Grass Seed Mixtures for each soil.

C. C. MORSE & CO.
SEED GROWERS.
171-173 Clay Street, : SAN FRANCISCO, CAL.
OUR SPECIALTIES: Onion, Lettuce, Sweet Peas; also Carrot, Celery Celeriac, Cucumber, Endive, Leek, Mustard, Parsley, Parsnip, Radish, Salsify, Spinach, Tomato and Flower Seeds.
Growers for the Trade on Contract.
Warehouses: at SANTA CLARA.
Farms and Farm Headquarters: CARNADERO, near GILROY.
Registered Cable Address: "Morseed," San Francisco.

Gentlemen:

YOU CAN NOW GET THE FINEST
Lily of the Valley

Our **EXCELLENTA,** in original cases of five hundred pips, the best and strongest in the market, so that you can order a small quantity any time in the season whenever you need it.

We expect much demand for these small cases of **LILY OF THE VALLEY** and as we will have only 500 cases on hand with which to try this novelty, we advise you to send your order soon stating the different dates on which you would want cases sent you. If you are not known to us please send cash with order and deduct 3%.

If you are not entirely satisfied you can return the Valley at our expense.

Price per original case of 500 finest Lily of the Valley, **EXCELLENTA, $7.00.**

Yours very truly,

JOHN SCHEEPERS & CO.
2, 4 and 6 Old Slip, NEW YORK.

Ghent's Trade in Plants and Bulbs.

The year 1905 proved favorable to the horticultural industry, according to Consul Atwell. Sales were made in large numbers and an immense amount of plants was sold. The exports of all kinds of plants and bulbs to France, Denmark, Holland, Italy, and several other European countries were more important than in 1904. The exports of these articles to the United States amounted to $235,222, an increase of $28,415 over 1904. The exportation of cut flowers, principally orchids, is becoming very important. Nearly all of the large cities of Germany are heavy purchasers of flowers, especially those cities situated along the Rhine. Holland also buys in large quantities.

The Seedless Water Melon.

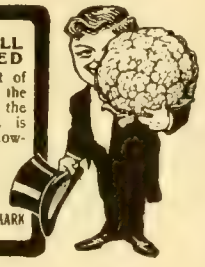
The seedless apple hysterias are over so far as practical horticulturists are concerned and next on the list to demand the attention of the wandering public is the seedless water melon. A New Mexico melon man is reported as saying: "After the vine has grown three or four feet in length the end is covered with earth. When this end takes root it is cut loose from the old roots and the early blooms are pulled. Melons grown from the second blooms are seedless."

[A well known melon expert says the New Mexico man has been "gazing."—ED.]

WIBOLTT'S SNOWBALL CAULIFLOWER-SEED

No. 34 is the earliest of all Snowballs, the most compact, the surest header, is giving the largest and snow-whitest heads, and is the best keeper in dry-weather. Demand it through your seed-firm or direct from

R. WIBOLTT, NAKSKOV, DENMARK



BELATED SHIPMENT.

PAPER WHITE NARCISSUS.

Choice, sound, 13-15 cm. bulbs, 1,300 to the case, at $7.00 per 1000, in full case lots only; in less quantity at $8.00 per 1000.

Stokes Seed Store.

219 Market St., PHILADELPHIA.

Please mention the American Florist when writing.

NOW READY.

EASTER LILIES

Should be potted at once, as Easter is early in the year.

Japan stocks are now arriving, and are in first-class shape.

Japan-Longiflorum, 9 to 10 in. bulbs, case of 200 bulbs.....$15.00
" " **Multiflorum,** 7 to 9 in. bulbs, case of 300 bulbs..... 15.00
" " " 9 to 10 in. bulbs, case of 200 bulbs..... 17.00
" " **Giganteum,** 7 to 9 in. bulbs, case of 300 bulbs..... 18.75
" " " 9 to 10 in. bulbs, case of 200 bulbs..... 21.00
Lilium Candidum, selected bulbs.....$5.00 per 100

A FEW OF THE LEADING NARCISSI.

	Per 1000
Paper White Grandiflora, 13-15 cm., fine bulbs, case of 1250 bulbs	$11.25
	Per 1000
Double Von Sion, extra size	$12.00
" " " mammoth double-nosed, or top-root	20.00
Princeps, early, single, fine bulbs	7.00
Golden Spur, the favorite single yellow	$18.00
Empress, a grand bi-color	20 00
Alba Plena Odorata	6.00
Barri Conspicuus	8 00
Poeticus	4.50
Poeticus Ornatus	7.00
WHITE ROMAN HYACINTHS, 13-15 cm.	$28.00
FREESIA REFRACTA ALBA, finest Bermuda bulbs	7.50
BERMUDA BUTTERCUP OXALIS	$7.50
SPANISH IRIS, mixed	2.50

For other bulbs and for smaller quantities, see our Wholesale Price List, in which will be found a full assortment of all kinds of bulbs for winter and spring flowering. Send for list if you have not already received one.

F. R. PIERSON CO., Tarrytown-on-Hudson, N.Y.

Please mention the American Florist when writing.

Vaughan's Seeds TRADE MARK NEW YORK-CHICAGO

Vaughan's Giant-Flowered Cyclamen

NOW IS THE TIME TO SOW THIS SEED

10 per cent Special CASH DISCOUNT. On orders over $2.00 for Flower Seeds if the cash is enclosed. 10 per cent. This discount does not apply to Asparagus Seed. Cash discount on this is 2 per cent.

OUR REGULAR GERMAN STRAIN.

New Seed Now on Hand.

Pure White (Mont Blanc)
Dark Crimson
Rosa von Marienthal (Daybreak Pink)
Dark Rose
White with Carmine Eye
White Fringed, large, very attractive
Rubin, rich blood-red

Per 1000 seeds, $5.00. Per 100 seeds, 65c. 250 seeds of a color at the 1000 rates.

Salmon, a splendid new color, 100 seeds.....$1.50
Giant-Flowered Cyclamen, extra choice mixed. Per 100 seeds, 50c; 260 seeds for $1.15; 1000 seeds, $4.50; 5000 seeds, $20.00. This mixture is made up from the above separate colors.

NEW GIANT ORCHID-FLOWERED CYCLAMEN.

These are exceptionally fine, with very large flowers that are frilled and fringed in wonderful fashion. They are splendid sellers in the Chicago market and our seed is direct from the originator.

Pure White, Red, Pink
White with Carmine Eye and Lilac Colored

Each, per 100 seeds, $1.00; 1000 seeds, $9.00.

Giant Orchid-Flowered Cyclamen, in choicest mixture, 25 seeds, 25c; 100 seeds, 85c; 1000 seeds, $8.00.

ROKOKA CYCLAMEN.

This is an entirely new strain of Cyclamen with flat, round flowers, with wavy and fringed petals; very attractive; white with carmine eye, red, rose or mixed. 100 seeds, $2.50; 50 seeds, $1.25.

NEW ENGLISH GROWN CYCLAMEN.

The Finest Strain in Existence.

Rosy Morn. Giganteum variety, delicate pink. Claret base.
Picturatum. Giganteum variety, light rose tinted with claret base.
Grandiflorum Album. The largest giant white grown.
Excelsior. Giganteum variety, white with red base; extra large flowers.
Princess May. Pale pink.
Princess of Wales. Giganteum variety. Pink.
Mauve Queen. Giganteum variety. Mauve.
Duke of Connaught. Giganteum variety. Purplish crimson.
Duke of Fife. Giganteum variety. Dark rose.
Salmon Queen.

PRICES: Trade, 100 seeds, $1.00; 1000 seeds, $9.00 net.

Cyclamen Fimbriatum. Fimbriated flowers and foliage. 100 seeds, $2.50.

VAUGHAN'S SEED STORE, 84-86 Randolph Street, CHICAGO. 14 Barclay Street, NEW YORK.

Greenhouses and Nurseries and Trial Grounds, Western Springs, Illinois.

The Nursery Trade

American Association of Nurserymen.
Orlando Harrison, Berlin, Md., President; J. W Hill, Des Moines, Ia., Vice-President; George C. Seager, Rochester N. Y., Sec'y.
Thirty-second annual convention, Detroit, Mich., June, 1907.

HAVE all stations that are to be used for permanent beds of shrubs well prepared before planting. It is good practice to wait until spring to plant unless the soil is in really good condition.

NOT many of the outdoor shrubs and trees bloom in late summer and autumn, and this is where the althæas come in. They can be had in quite a large range of colors, and intending planters should certainly keep them in mind.

RHUS COTINUS, or the smoke tree, though a native of lower Europe, does well and is perfectly hardy in many parts of America. The feathery flowers and seed vessels gve a smoke-like effect that is very pleasing in a large specimen. It grows to a large size if given room and good soil.

THE long stems of Forsythia intermedia, covered in spring before the leaves appear, with the pretty bright yellow blosoms are very attractive. A position where they are screened from very cold winds in spring is all the protection needed. The plant likes a fairly rich soil.

THOSE who like purple leaved trees ought to take note of Prunus Pissardi, the purple leaved plum. It is a fine grower, the leaves keeping their color from early spring until they drop, while the trees in spring are simply covered with the pretty white flowers. Standard trees are fine.

CORNUS SIBERICA SPAETHEI is one of the finest of variegated shrubs, for not only is the foliage very fine in summer, but the red stems are almost equally attractive in winter. Its great hardiness is a point in its favor, the only injury at all likely to happen to it being the cutting of the early foliage by frosty winds.

THE golden elder is fine for making a lively display in the landscapes, its bright yellow foliage showing up at a long distance. The common elder is perhaps the toughest plant in America, and its yellow variety is almost equally hardy, thriving best, of course, where the soil is good. Standing alone on a lawn, and cut down annually, it throws up fine strong and well colored shoots. But the deepest color occurs on poor soil.

IT is a pity that the aubretias, the alyssums, forget-me-nots and such plants are not more grown. They are fine for planting as a carpet under bulbs, while for any position on rockeries or in any rough corner they give grand spring effects with practically no trouble. Alyssum saxatile compactum, for instance, may be raised in hundreds from a small pocket of seed, sown in June or July, and although the aubretias give a little more trouble, they are certainly worth it.

Shippers Table for Nurserymen.

The American Association of Nurserymen has issued to their members a most useful shippers' table and classification list, revised and corrected to date. The reduction of rate on L. C. L. and C. L., carload, rates on various kinds of stock and merchandise are given in tabulated form. Goods not accepted by the railroad companies in less than carload lots are given, and important railroad rules are quoted. The minimum weights of goods in cases, recognized as loads of varying sizes of cars are also given. Official western and southern classifications are given, also full table of import freight rates from British and continental ports to the principal American cities. Examples of over charge, and advice to shippers are given, and W. C. Reed, chairman of the transportation committee, American Association of Nurserymen, Vincennes, Ind., announces that extra copies of these tables will be sent to members on application.

The Nut Growers' Convention.

The fifth annual convention of the National Nut Growers' Association, convened at Scranton, Miss., October 31. The meeting was well attended from the opening session to adjournment at noon on November 2, when the party left for Ocean Springs and other points to examine groves and nurseries. The programme was followed closely, and interest throughout all the sessions was marked.

This meeting was distinctly a business convention, many matters of concern to the industry received attention, after having been well prepared by the various committees. A number of important papers were read by title and will appear in the proceedings. Scranton entertained royally, and Hon. H. B. Everett in his address of welcome exploited the advantages of Pascagoula harbor and the resources of surrounding country.

Hotel accommodations for the entire party which assembled from 12 different states, was furnished at the Cottage by the Sea. The oyster roast on the beach Thursday evening, with its attendant surroundings of music, electric lights and speeches, was a novel and much appreciated feature of the meeting.

President Kirkpatrick, of Texas, declined a reelection, and Prof. F. H. Burnette, of Louisiana, succeeded him. H. C. White, of Georgia, was elected a vice-president, while the other officers were all reelected. Guy P. Stubbs, of Louisiana, was added to the executive committee.

Proceedings of the convention will be published soon. The next meeting will be held in Virginia about the date of the horticultural congress.

Boston Department of Parks.

The twenty-first annual report of the board of commissioners for this department has been issued. The commissioners' report to the mayor notes sundry small improvements in the various playgrounds, the uncertain tenure by which the Commonwealth playground is held by the city preventing the board from considering further work there. Lack of appropriation, for maintenance and upkeep, delays improvements and prevents the requisite cultural attention being given to trees and shrubs.

Superintendent J. A. Pettigrew reports an increasing improvement in the condition of the woodlands in Franklyn park, but smoke conditions are increasingly troublesome and more loam is required for top dressing. Pheasants and other birds are being bred, some of which still remain to interest park visitors. The condition of most of the other parks and playgrounds was reported satisfactory. Owing to the mild winter the skating, curling and tobogganing visitors were fewer than usual, but an increased number of football and baseball visitors was noted.

Statistics of expenditures are given a total of $44,780.70 having been spent on roads and drainage, grading, general work, plantations, water supply, buildings, gymnasium apparatus and fences, walls, land and expenses. For the maintenance of these $241,549.16 was spent during the year ending January 31, 1906. The parks and grounds contain an area of 2,381.15 acres, there are

NURSERY STOCK
All kinds of Hardy Nursery Stock.
Ask for prices.
KLEHM'S NURSERIES,
ARLINGTON HEIGHTS, ILL.

Specimen Nursery Stock.
Deciduous Trees and Shrubs, Evergreens, Rhododendrons, Azaleas.
Over one hundred (100) acres of the choicest varieties. Send for price list.
COTTAGE GARDENS COMPANY,
Queens, Long Island, New York.

Climbing Clothilde Soupert, Marie Pavic, Crimson Rambler and Dorothy Perkins
ROSES
Grafted Oranges and Kin Kans, Palms, Biota Aurea Nana, Conifers and other stock for Florists and Nurserymen,
IN IMMENSE QUANTITIES.
400 acres in Nurseries. 60,000 feet of glass. Catalog on application.
P. J. BERCKMANS CO. (Inc.) Fruitland Nurseries
Established 1856. AUGUSTA, GA.

43.85 miles of drive ways, 66.11 miles of walks, 8.7 miles of rides and 125.4 acres of water in the ponds and rivers. The net public park and playground debt is now $10,408,993.13.

ALBANY, N. Y.—The Grover Nursery Co., of Rochester, has just been incorporated for the handling of nursery stock and seeds. The incorporators are F. E. Grover, J. H. Welch and F. A. Parmenter, all of Rochester.

Special offer of **PEONIES**

For September

Florists' assortment of six choice proved kinds, **named,** including Queen Victoria and Delicatissima, all colors from white to crimson, for $8.00 per 100, $75.00 per 1000. Packed free.
Write for catalogue.

F. A. BALLER, Bloomington, Ill.

Please mention the American Florist when writing.

PEONIES.

Queen Victoria (Whitleyii), per 100....$ 9.00
Festiva Maxima, per 100..... 30.00
Fragrans, "Late Rose".....per 100, 6.00
Large stock of M. L. Rhubarb and Lucretia Dewberry Plants.
For 1000 rates and other varieties, write

GILBERT H. WILD, Sarcoxie, Mo.

Please mention the American Florist when writing.

——NOW IS THE TIME TO PLANT——

Herbaceous Perennials

We have a very large stock of **Phlox, Iris, Pinks, etc.**
Send for Price List.

VICK & HILL CO., P. O. box 613, **ROCHESTER, N. Y.**

Jacs Smits, Ltd. NAARDEN, (Holland.

GROWERS OF
Rhododendrons, Axaleas, pot grown Shrubs for forcing, Lily of the Valley, Spiræa, Paeonias, Roses, Climbing Plants, good varieties of Conifers and all ornamental stock.
Personal Inspection Cordially Invited.
R. R. Depot, NAARDEN-BUSSUM, near Amsterdam.
Price list free on demand.

PEONIES.

From our large and select stock, such as the following varieties:

Prince Charles,	Philomile,
Mons. Boquil,	Lord Salisbury,
Leonie,	Festiva,
Duchess of Sutherland,	Hypatia,
Rosea maxima,	Mons. Rousselon,
Mme. Furtado,	Mme. Moreau,

and many other good varieties all true to name.
Strong 1 year old.....$1.50 per doz.; $10.00 per 100
" 2 " " ..... 2 00 " 15 00 per 100

Iris Germanica, Mme. Chereau, Gracchus, Florentine, Socrates, Duchess de Nemours, Dr. Bernice and 20 other good sorts, $2.50 per 100; $22.50 per 1000.

Hemerocallis (Day Lilies), in 10 varieties, to clear, $3.75 per 100; $30.00 per 1000.

The Undermentioned are Strongly Recommended for Cut Work.

Delphinium Belladonna, distinct, continuous bloomer, lovely sky-blue, 1 year old plants, $6 25 per 100; $57.50 per 1000. 3 year old clumps, $8.75 per 100; $75.00 per 1000.

Chrysanthemum maximum King Edward, the finest and largest hardy White Marguerite, four F. C. C's and A. M., R. H. S., strong from ground, $8.75 per 100.

Lathyrus latifolius White Pearl, true from cuttings, flowers double the size of the old white variety, A. M., R. H. S., strong from ground, $16.25 per 100. Seedlings, not guaranteed, $12.50 per 100.

Buyers of **Begonias, Dahlias** and **Cannas** should see our catalogue and write for prices. Special terms for quantities.

THOMAS S. WARE, Ltd., FELTHAM, ENGLAND.
Formerly of Tottenham.

FALL SPECIALTIES.

DRACAENA INDIVISA. Field-grown, 5-inch pot size, $15.00 per 100; 6 inch pot size, $25.00 per 100.
PEONY. Dorchester, 3 to 6 eye divisions, latest and best paying clear pink, about shade of Daybreak carnation, $25.00 per 100.
PEONY. Queen Victoria, best cut flower, white, 3 to 6 eye divisions, $10.00 per 100; $90.00 per 1000.
BOUGAINVILLEA GLABRA SANDERIANA. Beautiful plants, bushy and nicely rounded, 4-inch pot plants, $20.00 per 100.
HYBRID ROSES. Extra size Magna Charta, best possible condition for winter forcing in pots, strong 2-year field-grown, $12.00 per 100.
ROMAN HYACINTHS. 12 to 15, $2.20 per 100
NARCISSUS VON SION, $1.00 per 100.
NARCISSUS TRUMPET MAJOR, 75c per 100.
NARCISSUS INCOMPARABLE, 80c per 100.

Write for prices on large lots.
Send for Catalogue No. 5 for full list of Bulbs, Seeds and Plants.

THE STORRS & HARRISON CO.
PAINESVILLE, - OHIO.

Please mention the American Florist when writing.

HIBISCUS SYRIACUS MEEHANII

WE now offer to the trade our new hardy variegated leaf Hibiscus Syriacus Meehanii. This plant attracted much attention when exhibited at the American Nurserymen's Convention at West Baden, Ind., and American Florists' Exhibition at Asheville, N. C. Foliage beautifully variegated; never sun-scalds or reverts to the green; flowers single, very large, satiny lavender; blooms during four months; prices on application. Orders booked now.

P. J. BERCKMANS CO., Inc., Fruitland Nurseries, AUGUSTA, GA.

Please mention the American Florist when writing

SEASONABLE STOCK FOR FLORISTS.

HYDRANGEAS FOR FORCING Otaksa and Thos. Hogg
With 7-12 flowering crowns.....$12.00 per 100
With 5-6 flowering crowns..... 9.00 per 100
With 4 flowering crowns..... 7.00 per 100
From 6-inch pots and open beds; all out-door grown.

ROSES—Strong, 2-years, field-grown, selected for forcing.

Hybrid Perpetuals.....$10.00 and $12.00 per 100
Crimson Rambler..... 9.00 per 100
Dorothy Perkins..... 7.00 per 100

And **LADY GAY,** a **new** hardy climbing rose of **exceptional merit;** ready **now,** from 2½-inch pots only. Write for prices.

JACKSON & PERKINS CO, Nurserymen and Florists, Wholesale Only, Newark, Wayne County, New York.

Please mention the American Florist when writing.

LEEDLE grown ROSES are now BIG

Floral Company, Springfield, O.
Expert Growers
Send for price list.

H.P.'s H.T.'s, T.'s, R.'s, Cl's, B., etc.
101 best sorts on own roots, from 2½ in. and 4 in. pots.

values for the buyer
Send your want list.

TREES AND SHRUBS.

We make especially low prices on **Nursery Stock** to Parks, Cemeteries, etc. Wholesale price-list on application. We carry immense quantities of the finest named varieties of

PEONIES.

PETERSON NURSERY 503 W. Peterson Ave. CHICAGO, ILL.

Send to **THE MOON Company**
For Your { **Trees, Shrubs, Vines and Small Fruits.**
Descriptive Illustrated Catalogue Free
THE WM. H. MOON CO.,
Morrisville, Pa.

LARGE TREES.
OAKS and MAPLES.
PINES and HEMLOCKS.
ANDORRA NURSERIES,
Wm. Warner Harper, Prop.
Chestnut Hill, PHILA, PA

AMERICAN FLORIST ADVERTISING RATES.

Our advertising rates are 4s 2d per inch, single column width, £6 3s 3d per page of thirty inches, with discounts on consecutive insertions as follows:

6 insertions..... 5 per cent. 26 insertions.....20 per cent.
13 insertions.....10 per cent. 52 insertions.....30 per cent.

Space on front pages and back cover page is sold only on yearly contract at 4s 2d per inch net. Remit by foreign postoffice money order.

LILY OF THE VALLEY

Finest Pips for early forcing, ready end of November, $1.50 per 100; $14.00 per 1000.

Selected Pips for forcing at all Seasons.

Place your orders now for next Fall, as we are

QUITE SOLD OUT

of our own cold storage stock for the season.

No Better Cut Stock can be had.

Leading Producer in the West of FANCY CUT VALLEY.

H. N. BRUNS

1409 W. Madison Street, CHICAGO.

WE ARE BOOKING ORDERS FOR

Nephrolepis Amerpohlii

THE SENSATIONAL NEW FERN

Awarded Highest Certificate of Merit at the S. A. F. Convention, 1906.

JANESVILLE FLORAL CO., :: :: :: JANESVILLE, WIS.

Baltimore.

TRADE GOOD.

We have been having charming autumn weather, with the customary stimulating effect on trade. Material has been fairly abundant and of fair quality, and was easily moved, and Saturday night found stocks pretty well cleaned out without much pressure.

One of the largest decorations of a business house ever seen in this city was an accompaniment of the removal into their new quarters at Baltimore and Hanover streets of I. Hamburger & Son, whose friends simply overwhelmed the store with floral testimonials of kind feelings of every form and device. There were horseshoes, baskets, bouquets and all kinds of designs, and good wishes entertained for this old-established house, both in this city and from abroad. Pennock Bros., of Philadelphia, sent down a force to construct a facsimile in flowers of the first house in which business was started by the firm many years ago, and succeeded in making an unique and attractive picture. Nearly every store in town had orders for decorative contributions besides those sent from other places and it is said 10,000 visitors passed through the doors of the new establishment to see the handsome structure and the innumerable floral embellishments.

The growing business of the Florists' Exchange has necessitated an addition to the force, and Charles Fieck, who has had considerable experience in the retail end of the florists' trade, has been appointed as assistant to Mr. Perry, the busy manager of the establishment.

Philip B. Welsh is sending in daily shipments of Amorita chrysanthemums, perfect in every point, and considered by him as the best of its class, an opinion sustained by the sales at the Exchange.

Violets are becoming abundant and are of superior quality. John Cook, who makes a specialty of them, has house after house, and frame upon frame, all in the pink of condition, and finds the market promptly assimilates the entire product. S. B.

SALT LAKE CITY, UTAH.—The B. C. Morris Floral Co. lost two houses, each 20x100 feet, by wind storm October 21 and the other six houses on the place were badly damaged.

SEND YOUR THANKSGIVING ORDER

TO

Wietor Brothers,

WHOLESALE GROWERS OF

CUT FLOWERS

51 Wabash Ave., CHICAGO.

Thanksgiving Price List.

Subject to change without notice.

	Per doz.
American Beauty	
Extra long stem	$5.00 to $6.00
24-inch stem	3.00 to 4.00
20-inch stem	2.50 to 3.00
15-inch stem	2.00
12-inch stem	1.50
8-inch stem	1.00
	Per 100
CHATENAY	$6.00 to $8.00
BRIDE	6.00 to 8.00
BRIDESMAID	6.00 to 8.00
METEOR	6.00 to 8.00
UNCLE JOHN	6.00 to 8.00
KAISERIN	4.00 to 8.00
RICHMOND	6.00 to 10.00
LIBERTY	6.00 to 10.00
CARNATIONS, fancy	5.00 to 6.00
" ordinary	4.00
'MUMS, fancy.....per doz.,	2.50 to 3.00
" ordinary... "	1.00 to 2.00

ALL OTHER STOCK AT LOWEST MARKET RATES.

WITH one of the largest ranges of glass in the world, devoted exclusively to cut flowers, we produce first grade stock in such large quantities that there is no question of our ability to fill orders at all times. Stock picked out for all shipping orders before sales are made to city buyers. Get your order in early and you'll get what you want.

BEAUTIES,
ROSES,
CARNATIONS,
CHRYSANTHEMUMS.

Our stock was never finer than at present and we have good cuts on. Beauty is our specialty of which we grow 60,000 plants; 80,000 Brides, Maids and Meteors, Liberty and Richmond of choicest quality. 160,000 Carnation plants on benches, all best sorts. Buy of the grower and get fresh stock at lowest rates.

WIETOR BROS., 51 Wabash Ave., Chicago.

"Mums"
Violets
Roses
Carnations
Brun's
Fancy Valley
Harrisii
Boxwood
Wild Smilax
Red Berries
Leucothoe
Adiantum
Fancy Ferns

WE PAY EXPRESS BOTH WAYS IF YOU DON'T LIKE THE GOODS.

When Placing Your Order for **CUT FLOWERS**

witn us you are not depending upon **ONE GROWER.** On the contrary we receive daily consignments from

40 to 60 PRODUCERS,

many of them specialists in their line, and we always give you the advantage of

Inside Chicago Market Quotations.

WRITE, TELEPHONE OR TELEGRAPH.

TO BE ISSUED SOON — WRITE FOR A COPY,

Our Special HOLIDAY Price List.

Illustrating and quoting **Christmas Bells, Selected Holly, Bouquet Green, Mistletoe, Evergreen Wreathing, Etc., Etc.** We are headquarters for this line.

E. F. WINTERSON CO.

45-47-49 Wabash Ave., CHICAGO.

The Only **Artificial Poinsettias**

That cannot be detected from the **NATURAL FLOWER.**

The latest **Up-to-date CHRISTMAS FLOWER** used for all decorations where the

Natural Poinsettia Will Not Last

12 inches in diameter, 18 inch stem. Our POINSETTIAS are made of a special prepared muslin giving that RICH **CHRISTMAS RED** also the Pink tint on the underpedal. It has not got that paper or Millinery appearance. There is nothing that you can use in **HOLLY WREATHS** that sets them off as good as our POINSETTIAS.

OVER 500,000 USED LAST CHRISTMAS

We are the ORIGINATORS of the Artificial POINSETTIAS also the lowest priced. Place your order early this season so as to insure delivery.

Write for Color Plate and convince yourself. If it's anything in ARTIFICIAL FLOWERS, we make it.

J. SCHROEDER, 344 Ontario St. Cleveland, Ohio

ARTIFICIAL FLOWER MANUFACTURERS

CUT FLOWERS

BEST IN THE MARKET

POEHLMANNS

POEHLMANNS

1906 CHICAGO
GREATEST FLOWER SHOW EVER GIVEN.

Poehlmann Bros. Co. have no competitors. They stand in a class by themselves. They swept the deck in prizes for **'Mums, Roses** and **Carnations.** They hold a record that is without precedence.

THE KIND THAT WINS PRIZES.

We are now cutting heavily on **Roses, Beauties, Carnations, Valley, Lilies, Asparagus,** (extra long strings), **Adiantum, Sprengeri** and **Smilax. The quality** of our Roses was never so good as this season. Richmonds are especially select long stems. : : : : : : : : : : : : : :

If you have not already placed your regular order with us, DO IT NOW.

'MUMS, fancy	doz.,	$3.00 to $4.00
Good medium	"	1.50 to 2.50
Small	per 100,	6.00 to 10.00
AMERICAN BEAUTIES		
Select, long	per doz.,	$3.00 to $4.00
Select, medium	per doz.,	1.50 to 2.00
Select, short	per doz.,	.50 to 1.25
Maid, Bride, Killarney, Chatenay, Perle,		Per 100
Select		$6.00 to $8.00
Medium		4.00
Short		3.00
Richmond, Kaiserin, select		6.00 to 8.00
Medium		4.00
Short		3.00
Carnations		2.00 to 3.00
Valley, select		4.00
Lilies		16.00
Violets		1.00
Asparagus	per string,	50c
Sprays	per bunch,	35c
Sprengeri	per bunch,	35c
Smilax	per doz.,	$1.50
Adiantum	per 100,	$1.00 to 1.50
Ferns	per 1000,	1.50

SEND US YOUR THANKSGIVING ORDERS. All orders in advance will positively be filled. Price list will be issued later.

POEHLMANN BROS. CO.

WHOLESALE GROWERS OF CUT FLOWERS

'Phone Central 3573. **33-37 Randolph St., CHICAGO.**

We are now in the middle of the **'MUM SEASON.** For those of our customers wishing to make a show at their own store we be pleased to

GET UP AN EXHIBIT

of 'Mums, extra large and showy varieties, at $3.00 per doz. A notice should be sent us a few days in advance.

PRICE LIST AS FOLLOWS:

	Per doz
CHRYSANTHEMUMS, according to size of flower, white, yellow and pink	$1.25 to $2.50
BEAUTIES—Stems extra long	$4.00
Stems 24 to 30 inches	2.50
Stems 20 inches	2.00
Stems 15 inches	1.50
Stems 12 inches	1.00
Kaiserin, Carnot, La Detroit, Bride, Maid, Liberty, Richmond, Killarney, Chatenay and Perle.	Per 100
A grade, good lengths	$8.00
No. 1 grade, good lengths	$5.00 to 6.00
No. 2 grade	3.00 to 4.00
Easter Lilies	12.50
Lily of the Valley, very fine	4.00 to 5.00
Carnations, all colors	3.00 to 4.00

GREENS. Asparagus, heavy	per string,	.50
Asparagus Sprays	per 100,	$2 00 to 3.00
Adiantum, extra long	per 100,	1.00
Smilax, extra long	per doz. strings,	1 50
New Common Ferns	per 1000,	1.50
Sprengeri	per 100,	2.00
Galax Leaves, green or bronze	per 1000,	1.25

CHRYSANTHEMUM STOCK PLANTS, $10.00 per 100, as follows:

White: Bergman, Alice Byron, Buckbee, Adelia, T. Eaton, C. Touset.

Yellow: Monrovia, Henderson, Halliday, Appleton, Yellow Eaton, Golden Wedding.

Pink: J. K. Shaw, Liger, Morel, Dr. Enguehard.

We grow all the flowers we sell, so can cut our stock especially to suit the weather conditions or for long distance shipments. On orders of $2.00 and over we make no charge for boxes.

Bassett & Washburn,

Greenhouses: HINSDALE, ILL. L. D. Phone Central 1457. Office and Store: 76 Wabash Ave., CHICAGO.

St. Louis.

MARKET FIRM.

The market this week still continues very firm. At no time during the week was there any abundance of stock, in fact in many instances there has not been enough flowers to fill orders. This was especially the case with carnations, violets and extra fine chrysanthemums. Thursday there was quite a scramble to get flowers, the large store openings taking everything in sight. The openings of Kline Bros.' cloak house and the Shoe-Mart Co. meant not only the giving away of many flowers, but also some very beautiful designs. Horse shoes, flags, hampers, baskets of every shape, were in great numbers, but also there were furnished palm and plant decorations by the most prominent florists in the city. This new fad at openings should be encouraged as it certainly helps the flower business in general to a very great extent.

NOTES.

Andrew Meyer, Jr., city forrester, is very much interested in the new ordinance in regard to the planting of trees, etc., on the highways, this work to be done only by legitimate and competent parties, thus securing a better and a more systematic way of planting and a better grade of stock.

The Florists' Club meeting, it is expected, will have a large attendance. Professor Irish has widely advertised the show to be given at the close of the club meeting. The young members of the club are up and doing and are hustlers. They are talking show for next year on a big scale.

We regret to announce the sad loss that came to Geo. Walters, the wire design manufacturer, in the untimely death of his little three-year-old daughter who fell accidently into a tub of boiling water. Sympathy to himself and wife is extended by everyone.

Will Adels and Chas. Schoenle, the terrible twins, can be seen daily talking about the good old times when they did not have to wait around looking for stock, but the sellers were looking for them. Now the tables are turned.

It is reported that an entire new boulevard system will be introduced through Kings Highway to all points of the city. This will cause the making up of several new parks. This drive will be several miles in length.

At Berning's everything is moving at a lively gate. Henry is a hustler ably assisted by Otto Bruenig and Julius Koenig. They have handled during the past week a great many chrysanthemums in all grades.

Quite a number of florists left for Chicago Tuesday evening to take in the show. F. C. Weber, Chas. Juengel, Will Young, Otto Koenig, Fred Meinhart and Geo. Windler were among them.

Miss Krug, of Alton, Ill., visited St. Louis to buy flowers. Her father celebrated his golden wedding November 5. Congratulations are in order.

Henry Emunds, of Belleville, Ill., has completed a house, 36x150 feet, for carnations, making a specialty of Enchantress and Lady Bountiful.

Geo. Ostertag, superintendent of parks, and Henry Ostertag has left for Chicago to take in the flower show.

The Ostertag Bros. have one of the largest weddings of the season next week.

W. C. Smith entertained Wm. Edelfsen, of Milwaukee, the past week.

The Ellisson Floral Co. has been very busy during the past week. W. F.

Louisville.

TRADE HEAVY.

The past week was the busiest experienced for some time, everything being cleaned up. Chrysanthemums had probably the greatest demand of any flower, and anyone having a white one Sunday had something which attracted a great deal of admiration. In pink the supply was adequate, as it was with yellow. The outlook is promising for a good supply from now on. Carnations have had a very heavy demand, and were hard to get at any price in quantities. The quality is very good now, and no doubt the supply will be much better very soon. Roses have had an excellent demand, and these, too, will be plentiful soon; the quality averages good. Violets can be had in satisfactory quantities of good quality, and sell well. Lily of the valley is still hard to secure in quantities of good quality, and has a good demand. Green goods are in satisfactory supply.

The regular meeting of the Florists' bowling club was held on the evening of November 6 in the usual alley.

F. L. S.

ST. PAUL, MINN.—Holm & Olson are now in their new store, perhaps the best and largest flower store in the country.

Thanksgiving Crop of Roses Too Big.

TAKE ADVANTAGE OF ENORMOUS CUT OF

ROSES.

LET US HAVE YOUR THANKSGIVING ORDER

NOW.

PETER REINBERG,

51 Wabash Ave., CHICAGO.

Roses

THANKSGIVING PRICE LIST.

BEAUTIES	Per doz.
Extra select	$5.00 to $6.00
24 to 30-inch stems	3.00 to 4.00
15 to 20-inch stems	2.00 to 2.50
Short stems	1.00 to 1.50
	Per 100
BRIDE and BRIDESMAID	$5.00 to $8.00
LIBERTY and RICHMOND	5.00 to 10.00
MME. CHATENAY	5.00 to 10.00
GOLDEN GATE	5.00 to 8.00
SUNRISE and IVORY	5.00 to 8.00
PERLE	4.00 to 6.00
CARNATIONS	4.00 to 5.00

ROSES, Our Selection, $4.00

	Per doz.
'MUMS, Fancy	$3.00 to $5.00
" Medium	1.00 to 2.50

As a matter of course you are looking for the best and most profitable Pink Carnation. What shall it be? Our answer is: Invest in the

Rose Pink Enchantress

TO still further satisfy you that we make no groundless claims, we call upon the hundred and odd growers in various sections of the country, among whom we disseminated during the past season about 50,000 rooted cuttings (all we had), to bear witness to our assertion, namely: That our **ROSE PINK ENCHANTRESS** is the **BEST** and the **FINEST** sport of them all. And so, "lest you forget," we say again: **Don't hesitate,** don't doubt, don't delay mailing your order. The **ROSE PINK ENCHANTRESS** is an ideal variety, viewed from whatever standpoint.

Price for strong rooted cuttings, January and later delivery,
$7.00 per 100; $60.00 per 1000.

A letter from W. J. PALMER & SON: We are very much pleased with the Rose Pink Enchantress. We grew it under glass summer and began to cut in August. It was a little light early, but far superior to Enchantress, which was a washy color. The color is fine now, just the shade the public wants. We shall grow 5,000 of them next season. W. J. PALMER & SON.

We are much pleased with the Rose Enchantress bought of you last season. We find it strong and healthy, coming into bloom early, and being a clear pink, just the color needed. Shall plant more of it next year. We consider it among one of the best varieties sent out the last few years. PATTEN & CO.

S. S. SKIDELSKY,
824 N. 24th Street, PHILADELPHIA.

B. SCHROETER,
59 Broadway. DETROIT, MICH.

Address all correspondence to S. S. SKIDELSKY.

Pittsburg.

TRADE ACTIVE.

The warm weather is filling up chrysanthemums at a great rate. There are quantities of all grades and colors. Carnations are still very scarce, prices remaining high. Roses of a fine quality are very plentiful. Lily of the valley was rather hard to obtain. Violets are good and selling nicely. Yellow daisies have made their appearance.

FLORISTS' AND GARDENERS' CLUB.

The Pittsburg and Allegheny Florists' and Gardeners' Club met Tuesday evening. There was a large exhibition of chrysanthemums. Among the exhibitors were: Chas. A. Totty, Madison, N. J.; L. K. Peacock, H. L. Blind, Phipps Conservatories, all of this city; Thos. Meehan & Sons, Philadelphia; R. C. Goodwin, Bridgeville; R. Vincent, Jr., & Sons, White Marsh, Md.; McRea-Jenkinson Co., Cheswick; Chas. Peterson, East Liverpool, O.; Fred Burki, Bakerstown; E. G. Hill Co., Richmond, Ind.; F. H. Westhoff, De Haven, and D. C. Noble, Columbia City, Ind. Taken in all it was the finest exhibit ever in this city.

The E. G. Hill Co. had a collection of new varieties. Truffort was voted the best yellow in his collection. A pink variety named Detroit was measured by Mr. Rineman and found to be 11 inches in diameter and 15 inches over the top. Mr. Jenkinson sent in some very fine T. W. Pock yellow for Mr. Peacock. Chas. Peterson showed a fine collection of Yellow Queen which he originated. He grows this in preference to any other yellow.

F. Burki showed Robison, Wm. Duckham, Alice Byron, Buckbee, Balfour, Mary Manning and Mrs. Wm. Duckham. McRea-Jenkinson Co. showed some fine specimens of Col. Appleton. R. C. Goodwin had a variety of his own which he named Pearl; he also showed Robinson, Morel, Queen, Bonnaffon, Dr. Enguehard, Nebius and Adelia.

Supt. Jones, of the Phipps Conservatories, had a fine collection of show blooms; one yellow variety, F. S. Vallis, measured 10½ inches in diameter and 18 inches over the top. D. C. Noble had Dr. Enguehard, Robinson, Morel, Perine and Appleton, all good commercial varieties. H. L. Blind showed yellow Eaton, Halliday, Maud Dean, Ivory, Duckham and Touset. F. H. Westhoff showed a fine collection of Ivory, Balfour, Appleton, white and yellow Bonnaffon and Robinson, also some select Lawson and Lady Bountiful carnations.

NOTES.

E. M. Hall, of Fairmont, W. Va., intends opening a first class confectionery in connection with his flower store.

Gilbert Wicklin, manager for Randolph & McClements, is laid up in bed as a result of an automobile accident.

F. H. Westhoff, of De Haven, is sending in an unusually nice cut of Ivory chrysanthemums.

It's a boy. Ask Albert Lorch for further particulars.

Visitors: I. S. Crall, Monongahela; Chas. Peterson, East Liverpool, O.; G. L. Huscroft, Steubenville, O., and E. M. Hall, Fairmont, W. Va.

J.

Washington.

TRADE BRISK.

Trade conditions steadily improve and day by day prospects brighten for a good season. While there is a brisk movement in chrysanthemums they have not put roses, carnations and violets on the shelf. The quality of these stocks continues to improve, weather conditions being now favorable. There is an abundance of good chrysanthemum stock coming in from the local growers.

NOTES.

The Washington Florists' Co. will, about December 1, take possession of the new store at Fourteenth and R street, N. W., located in the large building being erected by J. Louis Loose, president of the company, whose extensive range at Alexandria, Va., is now producing great quantities of chrysanthemums. Directly in the rear of the new store a conservatory containing 5000 square feet of glass is being erected and will be finished in strictly modern style. In greenhouse building and store furnishing Mr. Loose is entitled to write specialist after his name.

W. F. Gude has just returned from a visit to Philadelphia and vicinity. While favorably impressed with horticultural features in the city of brotherly love, he still thinks that Washington is not a bad place in which to grow flowers. He is justified in this as his firm has now at its greenhouses an exceptionally fine stock of American Beauty and tea roses, chrysanthemums and carnations.

J. H. Small & Sons are offering a very fine lot of chrysanthemums, grown

THE SEASON TO SELL POT PLANTS

IS JUST OPENING.

All we want is a sample order to show you the fine quality of **OUR STOCK.**

Our Leading Specialty this season is **FICUS PANDURATA.**

Very much admired for its bold, handsome appearance, and already famous in Philadelphia and New York as a satisfactory, because durable, house plant.

6-inch pots, 2½ to 3 feet high.....$3.00 each
3½ to4 feet high..... 4.00 each
4½ to 5 feet high, in tubs..... $7.50 each
Branched plants...$4.00, $5.00 and 7.50 each

CROTONS.

Well grown and well colored.

4-inch pots.....$3.00 per doz.; $25.00 per 100
5-inch pots..... 6.00 per doz.; 50.00 per 100
6-inch pots.....75c and $1.00 each

Made-up Pans, Fine Stock.

Plants at $1.50, $2.00, $3.00, $5.00, $6.00 and $7.50 each. We have never before offered made-up Crotons in as good condition.

PANDANUS VEITCHII.

Well colored.

4-inch pots, ready for shift..... $ .50 each
5-inch pots, ready for shift..... .75 each
6-inch pots, ready for shift..... 1.00 each

GARDENIA VEITCHII.

5 and 6 inch pots.....50c, 75c and $1.00 each

We have 5,000 plants and call special attention to them. They are well set with buds and should be in just when the prices are good, in December and January. Send for a sample dozen.

ADIANTUM HYBRIDUM.

The finest Adiantum for cutting or for pots.

Specimen plants, 8-inch pans, 2 feet spread....$1.25 each
Specimen plants, 7-inch pans..... .50 each

NEPHROLEPIS SCOTTII.

Well grown, shapely plants.

5-inch pots.....$4.50 per doz ; $35.00 per 100
6-inch pots. ..... 6.00 per doz.; 50.00 per 100
7-inch pots..... 9.00 per doz.; 75.00 per 100
8-inch pans.....$1.00 each

NEPHROLEPIS ELEGANTISSIMA.

This is a beautiful variety, and we can give you the best plants in the country for the money.

8-inch pans, very fine... .....$1.25 each
6-inch pots, very fine... ..... .75 each
5-inch pots, very fine..... .50 each
2½-inch pots, ready for shift...$8 per 100; $75 per 1000

NEPHROLEPIS WHITMANII.

By many thought to be the most beautiful of this class.

6-inch pots, well grown.....$1.00 each. $10.00 per doz.
8-inch pots, well grown..... 1.25 each; 14.00 per doz.

NEPHROLEPIS BARROWSI.

An improvement on Piersoni.

5-inch pots.....35c each 6-inch pots.....75c each
3-inch pots.....$1.25 each.

NEPHROLEPIS BOSTONIENSIS.

Still indispensable, especially in large plants.

8-Inch pots.....$12.00 per doz.

BABY CHRYSANTHEMUM.

7-inch azalea pots, bushy and fine, just the thing for Thanksgiving .....50c each

PANDANUS PACIFICA.

6-inch pots, well grown plants.....$1.50 each
7-inch pots, well grown plants..... 2.00 each

ARAUCARIA EXCELSA.

6-inch pots.....$9.00 per doz.

ARAUCARIA COMPACTA.

7-inch and 8 inch pots, 3 to 4 tiers .....$2.00 each

These Compactas are extra fine.

DRACAENA SANDERIANA.

2½-inch pots, fine for fern pan centers.....$12.00 per 100

MARANTA ROSEA.

3-inch pots, also fine for fern pans.....$25.00 per 100

ASPARAGUS PLUMOSUS.

2½-inch pots, bushy.....$4 00 per 100; $30.00 per 1000
3-inch pots, bushy..... 7.00 per 100; 60.00 per 1000

CIBOTIUM SCHIEDEI.

Handsome specimens, large tubs.....$25.00 per pair

OTAHEITE ORANGES.

Just right for Xmas. Place your orders at once.

Plants with from 5 to 20 fruit.....25c a fruit

ROBERT CRAIG COMPANY, Market and 49th Streets, **Philadelphia**

at their Washington range. This firm recently made a very heavy purchase of pot stock from one of the leading wholesale houses of the country and it is believed that they have some big surprises in store for the Christmas trade.

Will Arnold, formerly a successful rose grower of this vicinity, has been heard from as now holding a good position at George Rienberg's range in Chicago. We wish him success, but he has our sympathy in being so far removed from Potomac river oysters.

On Saturday both the stores and the market dealers did a thriving business. In addition to many fine cut flowers, the market men are showing good stocks of pot chrysanthemums, ferns and foliage plants.

Friday and Saturday last were real Indian Summer days that brought out the shoppers in force, and great numbers of chrysanthemums were disposed of, in fact, all the stocks sold well.

David Grillbortzer, a very enterprising young grower of Alexandria, Va., is sending in to local retailers a heavy cut of chrysanthemums.

The attraction for this week is the chrysanthemum show at the U. S. Propagating gardens. S. E.

New Castle, Pa.

Business the past week was satisfactory, there being plenty of weddings and funerals to keep all hands busy, and chrysanthemums being the chief cut here were used to great advantage. Carnations and roses are scarce on account of the recent dull weather, and not enough to supply the demand.

A visit to H. Weinchank's vegetable plant shows everything in that place in good condition for the winter. He has one house 82x200 feet planted to lettuce, of which half of the crop is ready to market. To save time this house is watered with the Skinner watering apparatus, which works perfectly. The next house is 56x100 feet, where he grows cucumbers, which are in fine condition and yielding a large crop. He is now grading for a new house which will be 120x600 feet. H. E. M.

PEABODY, MASS.—J. M. Ward & Co. have some exceptionally fine violets in their greenhouses just now.

Syracuse, N. Y.

Wheadon & Hencle have one window filled with as fine carnations as have been seen here this season. Green moss, asparagus vine and ferns set out the display so that it attracts much attention. In the other window are chrysanthemums and asparagus. They have raised the price of carnations, on account of the extra fine stock, from 50 cents to $1.00. There is no change in chrysanthemums. Good stock is moving rapidly. The firm made for the funeral of Charles H. Pierce, an immense blanket, 7 by 5 feet, of white chrysanthemums and asparagus vine with a cluster of American Beauty in the center. Wheadon & Hencle recently bought a large stock of Chinese sacred lily bulbs. As they did not move rapidly, Mr. Wheadon started some of them growing in dishes, with a little water in the bottom. This awakened the interest of his customers and nearly all the bulbs have been sold.

The building of new carnation houses in which the P. B. Quinlan & Co. have been engaged, has been done according to the King construction system. There is a new American Beauty house 36 by 200 feet, 6 carnation houses, and an azalea house extends 50 feet. Quinlan's chrysanthemums are showing up finely and the stock at both the South Salina street and Warren street stores has moved off satisfactorily.

Henry Morris reports that the change in the weather is improving stock. Numerous college foot ball games and some society events have furnished an outlet for chrysanthemums.

L. A. Guilliame expects to build some new carnation houses next summer. Mr. Guilliame is bringing in some excellent carnations to his city trade.

Edward Wood, of Lexington, Mass., formerly a foreman for P. R. Quinlan & Co., and now in business for himself, was a visitor here last week.

A. O. Grassel, of Barnevelt, N. Y., near Utica, is sending in some excellent carnations. A. J. B.

Orange, N. J.

The regular monthly meeting and floral display of the New Jersey Floricultural Society was held on November 2. Orchids and chrysanthemums were in force. Of the first, the table of Lager & Hurrell contained the season's flowers of cattleyas and cypripedium. John N. May contributed pompon and the usual run of flowers, fruit and vegetables from the neighboring estates. The topic for the evening was "Our Fall Show" and the reports from all sources promise a most successful exhibition at the new hall of the Woman's Club, in East Orange, November 5 and 6. Contributions of various prizes from Vaughan's Seed Store, J. M. Thorburn & Co., Peter Henderson & Co., Chas. H. Totty, F. W. Kelsey and others were announced. J. B. D.

BUTZTOWN, PA.—W. H. Coleman is enlarging his greenhouse and intends to install a steam heating plant.

WHITMAN, MASS.—W. B. Bowen has commenced work on a new greenhouse at Harvard street. He intends further additions in the spring.

Prepare for Thanksgiving and the Holidays.

WATCH ☛ PROSPERITY ☚ LOOK

Election is over, the country is settled to its normal condition. **Great prosperity** is in sight for us all. Why not for you? A little **fortune lays before your door.** Grab it now where there is a **chance for you. Look** at others; see how successful they are. Why? Because they are **wideawake.** They watch every opportunity and take advantage when bargains are offered.

A big demand is in sight now and for the ensuing holidays for the so much admired **decorative plants,** the **Araucaria Excelsa, Araucaria Excelsa Glauca,** and the **Araucaria Compacta Robusta.** What do you think? Where will you buy them? Surely from a man who makes a specialty in **importing Araucarias,** and who can offer you **bargains.** Godfrey Aschmann is the man who has the reputation for the last ten years as the great **importer** and **dealer** in **Araucarias** of America.

PRICES SLAUGHTERED ONE-HALF THE NORMAL.

Prices **never** offered so low in the history of Araucaria cultivation. Why is that? For the simple reason, to obtain room to cultivate our great Easter stock. About 5,000 Araucarias, with an immense lot of Palms, Ferns, Azaleas, Rubbers, Begonia Gloire de Lorraine, etc., must be sold by Christmas.

☞ Please take notice. In all the Araucarias only spring importations are offered: raised in pots all summer, and can be shipped any distance safely without drooping

ARAUCARIA EXCELSA

5½-in. pots, about 15-in. high, 4 to 5 tiers, 3 years old, 50c; 5½-in. pots, 15 to 18 in. high, 4 to 5 tiers, 3 years old, 60c; 5½ to 6-in. pots, 18 to 23 in. high, 5 to 6 tiers, 4 years old, 75c; 6-in. pots, 23 to 25 in. high, 5, 6 to 7 tiers, 4 years old, $1.00; 6 to 7 in. pots, 25 to 30 in. high, 5, 6 to 7 tiers, 4 years old, $1.25; 7-in. pots, specimen plants, from $1.50, $1.75 to $2.00 each.

ARAUCARIA COMPACTA ROBUSTA—have several thousand of them: can supply all wants. These plants were never so fine in shape and condition as this year. The pet of the greenhouse: as broad as long. 6-in. pots, 3 tiers, 12 to 14 and 16 to 18 in. high, same wide, 3 years old, $1.00 to $1.25 each: 6 to 7 in. pots, 4 to 5 tiers, 18 to 20 and 22 to 25 in. high, same wide, 4 years old, $1.50 to $1.75 each; 7-in. pots, specimen, 6 to 7 tiers, and 25 to 30 in. high, same wide, 5 years old, $2.00 to $2.50 each.

ARAUCARIA EXCELSA GLAUCA—this variety on account of its beautiful green-bluish tiers, dwarf habit, fine compact shape, gives it a striking appearance, and anybody seeing the plants must undoubtedly fall in love with them at sight. 6-in. pots, 3 tiers, 14 to 16 and 18 to 20 in. high, same wide, 3 years old, $1.00 to $1.25 each; 6 to 7 in. pots, 4 to 5 tiers, 20 to 25 and 25 to 30 in. high, same wide, 4 years old, $1.50 to $1.75 each; 7 in. pots, specimen, 5 tiers, 30 to 35 in. high, same wide, 5 years old, $2.00 to $2.50 each.

All these plants are as broad as long: the finest you have ever seen.

KENTIA FORSTERIANA, 7-in. pots, made-up plants, 1 large size, about 45 to 48 in. high in the center, and 3 smaller sizes, 25 x 30 in. high around, which gives them a good appearance, $2.00 to $2.50 each: 6-in. pots, single plants, 36 to 45 in. high, 5 to 6 good leaves 4 years old, $1.25, $1.50 to $1.75 each: 6-in. pots, 32 to 36 in. high, 5 to 6 good leaves, 4 years old, $1.00 each: 5½ to 6 in. pots, 4 years old, 30 in. high, 5 good leaves, 4 years old, 75c: 4-in. pots, made-up plants, 3 plants in a pot, 18, 20 to 25 in. high, 25c, 30c to 35c each.

ARECA LUTESCENS, 5-in. pots, 24 in. high, made-up with 3 plants, 35c: 4-in. pots, 20 to 24 in. high, made-up with 3 plants, 25c.

ARECA SAPIDA, just imported from Belgium, something new, very attractive, looks like Kentia, 25 in. high, 50c.

OUR LITTLE PETS.

COCOS WEDDELLIANA, 15c.

ASPARAGUS PLUMOSUS NANUS, 4-in. pots, large, bushy, 10c to 12c.

ASPARAGUS SPRENGERI, 4-in. pots, 10c.

FICUS ELASTICA, or **Rubber Plant,** 6 in. pots, 25 to 30 in. high, 40c to 50c each.

FERNS, all raised in pots and not on benches as follows:

NEPHROLEPIS BARROWSII, 7 in. pots, as big as a bushel basket, 75c to $1.00 each; 6-in. pots, large, ready for 7-in., 50c; 5½-in., 40c; 5-in., 35c; 4-in., 25c.

NEPHROLEPIS SCOTTII, 8-in., as big as a wash-tub, worth $2.00, now $1.25; 7-in., as big as a bushel basket, worth $1.25, now 75c; 6-in., 50c; 5½-in., 40c; 4-in., 20c.

NEPROLEPIS ELEGANTISSIMA, 5-in. pots, 30c.

BOSTON FERNS, 7-in., very bushy, only 75c; 6-in., 50c or $5.00 per doz.; 5-in., 30c to 35c; 4-in., 20c

FERNS—A fine assortment of Ferns for dishes, large, bushy, out of 2½-inch pots, $5.00 per 100 3-inch, 6c each.

JERUSALEM CHERRIES, (or Solanum), 6 to 7 in. pots, very bushy, full of berries, from $3.00 to to $6.00 per doz.

DRACAENA BRUANTI, (imported), 30 in. high, 6-in. pots, 50c, $5.00 per doz.

CYCLAMEN, will bloom for Christmas, 5-in. pots, 20c; 4-in., 12c.

PRIMULA OBCONICA, best strain, 4-in. pots, 10c.

CHINESE PRIMROSES, in 4-in. pots, ready to shift into 5-in. pots, will bloom for Christmas, $10.00 per 100; 5¼-in. pots, $2.00 per doz.

HYDRANGEA OTAKSA, only pot-grown is offered, sure success for Easter forcing, 6-in. pots, 25c; 7 to 8-in., 50c.

AZALEA INDICA, just arrived, selected by myself on my recent trip to Belgium. Have all leading varieties such as Deutsche Perle, Simon Mardner and Vervæneana. These three sorts are good for Christmas forcing. Later varieties: Empress of India, Oroff, Wolters, Niobe, Bernard, Andreas Alba, Mme. Van der Cruyssen and many others, prices as follows: 35c, 40c, 50c, 60c, 75c, $1.00, $1.25 to $1.50 each.

BEGONIA GLOIRE DE LORRAINE, 6-in-pots, 50c: 3-in., 20c.

BEGONIA FLAMBEAU, sells on sight, 4-in., ready for a shift into 6-in., 20c.

BEGONIA ERFORDII. New Improved, blooms all winter through, 4-in., 15c.

—CASH WITH ORDER.—

When ordering, say whether the plants should be shipped in the pots or not.

GODFREY ASCHMANN,

IMPORTER AND WHOLESALE GROWER OF POT PLANTS.

1012 Ontario Street, - - PHILADELPHIA, PA.

Palms, Ferns, Etc.

WHOLESALE PRICE LIST.

	In.	Tiers.	Ea.	Doz.	100
Asparagus Plumosus	2				$3.00
" "	3				6.00
Asparagus Sprengeri	2				3.00
" "	3				6.00
" "	4			1.50	
" "	5			2.00	

Boston Ferns. 4-in. pots, $1.50 per doz.; 5-in. pots, $3.00 per doz.; 6-in. pots, $4.20 per doz.; 6-in. pots, strong, $6.00 per doz.; 7-in. pots, $9.00 per doz. Larger specimens, $1.50, $2.00 and $3.00 each.

Scottii Ferns, 10-in. pots, $2.00 each.

ASSORTED FERNS FOR DISHES

$3.00 per 100; $25.00 per 1000. We have a large lot to offer in best varieties.

Fern Balls, 7 to 9, Dormant or in leaf, $4.20 per doz.

Cibotium Schiedei, 5-in., $9.00 per doz.; 6-in., $12.00 per doz.; 8-in., $24.00 per doz.

Dracaena Fragrans, 5-inch pots, 50c each; $5.00 per doz. 6-in. pots, 75c each; $9.00 per doz

Dracaena Indivisa. 2-inch pots, $2.50 per 100; 6-inch pots, 20 to 26 inches high, 50c each; $5.00 per doz.; 7-inch pots, 30 to 34 inches high, 75c each; $9.00 per doz.

Dracaena Terminalis, 2-inch pots, $1.00 per doz.; 3-inch pots, $1.50 per doz.; 6-inch pots, $9.00 per doz.

Maranta Lietzii, 2¼-in., $1.00 per doz.

Pandanus Veitchii, 6-in. ..... per doz., $12 00
" **Utiles,** 3-in. ..... per doz., 1.50
" " 4-in. ..... per doz., 3.00
" " 5-in. ..... per doz., 5.00

Cocos, for dishes, 3-in. ..... per doz., 2.00

Cocos Bonetti, large specimens, $40.00 each.

	In.	Each	Doz.
Kentia Belmoreana	3		$ 2.00
" "	6	1.25	15.00
Kentia Forsteriana	6	1.25	15.00
" "	7	2 00	24.00
" "	7	2.50	
" "	7	3.00	

Latania Borbonica, 3-in. $1.50 per doz.; 3½-in., $2.00; 4-in., $3.00; 5-in., $5.00 and 7-in., $12.00 per doz.

Phoenix Canariensis, 2-in. ..... per doz., 1.00
" " fine bushy plants, 10-in. pots, $3.00 each. Large specimens.

Phoenix Reclinata, 3½-in. ..... per doz., $2.00
" " 4-in. ..... per doz., 3.00

Selaginella Denticulata, 3-in., per doz., $1.00.

HARDY PERENNIALS.

German Iris, assorted colors, $1 00 to $5.00 per 100 clumps.

Golden Glow (Rudbeckia), $1.00 to $5.00 per 100 clumps.

Boltonia, white and pink, $1.00 to $5.00 per 100 clumps.

The Geo. Wittbold Co.

1657 BUCKINGHAM PLACE. CHICAGO.

Please mention the American Florist when writing

PRIMROSES.

Obconica Alba and Rosea, $1.50 per 100; $12.00 per 1000.

ASPARAGUS Per 100

Plumosus Nanus, 2¼-in. pots, $18.00 per 1000.. $2.00

PANSY PLANTS, large flowering, $3.00 per 1000; .50

CASH

JOS. H. CUNNINGHAM, Delaware, O.

ASPARAGUS PLUMOSUS

Exceptionally fine stock from 3-in. pots, $5.00 per 100.

ASPARAGUS SPRENGERI, from 3½-in. pots, $6.00 per 100.

Write for price on large lots.

SCHARFF BROS., Van Wert, Ohio.

Please mention the American Florist when writing.

ROSE PLANTS.

Still a few hundred Roses, Bride, Maid, Golden Gate, Ivory, at $1.50 per 100. Cash.

GEO. A. KUHL, Pekin, Ill.

SURPLUS BULBS.

All First Grade and Quality. To Clear at SPECIALLY LOW PRICES.

NARCISSUS.

	Per 100	1000
Cynosure or Stella	$ 60	$ 5 00
Poeticus	40	3 50
Poeticus Ornatus	60	5 00
Grand Monarque	1 10	10 00
Staten General	1 50	12 00

TRUMPETS.

Princeps	75	6 50
Trumpet Major	85	7 00
Horsfieldi	1 50	14 00
Emperor	1 60	15 00
Empress	2 00	18 00
Golden Spur	1 50	14 00
Mixed Trumpet	1 20	10 00

DOUBLE.

Alba plena odorata	60	5 00
Incomparable	60	5 00
Double Roman	75	6 50

HYACINTHS.

Dutch, Roman or Miniature. All named sorts, florists' best forcing. La Grandesse, L' Innocence, Gigantea, C. Dickens, Gertrude, Grand Maitre	$1 70	$16 00
Dutch Hyacinths, select, in separate colors	2 25	20 00

HYACINTHS.

	Per 100	1000
All colors, mixed	1 50	14 00
Early French Roman Rose or Blue	1 50	14 00

TULIPS.

Belle Alliance	1 85	$17 00
Cottage Maid	85	7 50
D. de Parme		
Duc. V. Thol, scarlet	1 00	9 00
" " red and yellow	90	8 00
La Reine	75	6 50
J. Von Delft	75	6 75
Joost Van Vondel	1 25	10 00
L' Immacule	60	5 75
Pottebakker, scarlet	1 50	13 00
Wouwerman	1 50	12 00
Yellow Prince	75	6 50
Single, mixed	60	5 00

DOUBLE.

Mixed	75	6 00
Duc. V. Thol, red and yellow	75	6 00
La Canveur	1 00	9 00
Rex Rubrorum	1 25	11 00
Tournesol, red and yellow	1 25	12 00

LILIES.

Longifl. Multiflorum, 7-9	$5 00	$45 00
" " 9-10	7 00	65 00
" " 10-11	8 00	

Fresh Kentia Belmoreana Seed. 100 ..... $ 75 2,500 ..... $11 75
1000 ..... 5 00 5,000 ..... 22 50

H. H. BERGER & CO., HORTICULTURAL IMPORTERS, 74 Barclay Street, NEW YORK.

LUDVIG MOSBAEK, Onarga, Ill.

Asparagus **Plumosus Nanus** and **Sprengeri,** 4-inch, $8.00; 3-inch, $5.00; 2¼-inch, $2 50; 2-inch, $2.00 per 100.

Ferns **Boston, Piersoni, Anna Foster** and **Sword,** all grown, 2¼, 3, 4 and 6-inch, $3 50, $8 00, $15 00 and $40.00 per 100.

150,000 Cannas Dormant roots, 2 to 3 eyes. Bronze leaved, Black Beauty, David Harum, Discolor, Egandale, Leonard Vaughan, Marechal Valianti, Robusta, Shenandoah, A. Bouvier, Beaute of Poitevine, Chas. Henderson, Chicago, Duke of Marlborough, Explorateur, Crampbell, Milwaukee, Papa Nardy, Elizabeth Hoss, Florence Vaughan, Niagara, Queen Charlotte, Souv. d' Anthony, Crozy, Betsy Ross, L. Patry, Mlle. Berat, Secretaire Chabanne, Coronet, Mont Blanc, Orchid Flowered, Allemania, Austria, Burbank, Italia, Kate Gray, King Humbert, Partenope, Pennsylvania. For prices see issue November 3, page 703, or write for full description and price list. Also list of **Perennial Plants.**

Will Sell Cheap

50,000 Canna Roots

Mostly Alphonse Bouvier.

Also 10,000 **Boston Ferns** in 4-inch and 5-inch pots, Send for prices.

JOHN WOLF, Ott and Anderson Sts., **SAVANNAH, GA.**

Please mention the American Florist when writing

Chrysanthemum Stock Plants.

500 C. Touset, fine early white ..... $7.00 per 100
500 Roi de Italia, fine early yellow .... 5.00 per 100
Will exchange for Boston Market, Wolcott or Lawson carnations, field-grown, at market prices. Send for list of new and choice varieties, 10c to 25c each.

W. A. CHALFANT, Springfield, Mo.

$2.00 per 1,000

GIANT PANSIES, best mixed; **DOUBLE DAISIES,** Longfellow and Snowball. This bargain price is on account of stock being a little smaller than we like to send out at regular price.

Alyssum, Giant Double, R. C., 75c per 100. **Heliotrope,** Blue, R. C., 75c per 100. Cash.

SPIPPENSBURG FLORAL CO., Shippensburg, Pa.

Cold Weather Bargains

SEND YOUR CASH FOR FOLLOWING:

	2½-in.	3-in.	4-in.
Chinese Primroses	$5.00	$8.00	$12.50
Primula Obconica	5.00	8.00	
Baby Primroses		8.00	
Cyclamen, high grade		8.00	20 00
Poinsettias		8.00	12.50
Special large plants, 6-in., 50c each			
Rex Begonias		8.00	15.00
Blooming Begonias		7.50	

If you need any size of **Ferns,** Bostons Piersoni, Barrowsii, Scottii, Maidenhair, Whitmani, Elegantissima, write for our new November list. Our customers must be satisfied.

We also are ready to sell **'Mum Stock Plants. Cut Flowers** of all kinds.

GEO. A. KUHL, Pekin, Ill.

Please mention the American Florist when writing

Highland Grown Carnation Plants

	Per 100	1000		Per 100	1000
Flora Hill	$4.50		Glacier	$3.50	$30 00
Crusader	5.00		White Cloud	3.50	30.00
M. A. Patten	5.00		Harrowarden	3.50	30.00
Prosperity	4.00	$35.00	Roosevelt	3.50	30.00
M. Glory	4.00	35.00	Peru	3.50	30.00

CRABB & HUNTER, Ltd., Grand Rapids, Mich.

CHINESE SACRED LILY BULBS

Imported direct from China—the finest bulbs procurable. Every florist should have them for store sale. Prices: Selected bulbs, **60c** per dozen; original basket, containing 30 bulbs, **$1.25;** per 1000, **$30.00.** Order to day.

THE DINGEE & CONARD CO., Rose Growers, **WEST GROVE, PA.**

Kansas City.

BUSINESS GOOD.

No perceptible change of any importance has occurred during the past week, save a slight increase in counter trade among the smaller stores. Weddings are still as numerous, one store reporting five good sized orders last Saturday. Funeral work also has been very plentiful. The deaths of three of our foremost citizens, during the week, brought about many nice orders for large designs and bunches. Among the wholesalers, a general feeling of satisfaction is expressed, and all report a marked increase in shipping trade. In most lines, stock is fairly plentiful. An increase in quantity of chrysanthemums is noticeable, as well as an improvement, as the season advances and brings forth the later varieties. Such varieties as; Appleton, Robinson, Halliday, Monrovia, Omega and Viviand-Morel are about the extent of the present supply. This week has seen on the market some of the best roses so far this season. American Beauty is in fine condition, but the presence of chrysanthemums to a certain extent retards their sale. Bride, Bridesmaid and Chatenay are good. Killarney is gaining popularity every day, on account of it's splendid keeping qualities. We might venture, that carnations are improving, but very slowly indeed. Enchantress bids fair to again attain the popularity of last season. Other obtainable stock worthy of note consists of orchids, violets, lily of the valley and Easter lilies. Ferns are scarce everywhere.

NOTES.

November 17 is the date of the next meeting of the Missouri Valley Horticultural Society in the club rooms at the Coates house. This is the first meeting of the season to be held in the city, and should develop a large attendance. A discussion regarding greenhouses and cold frames should bring out many points of value to small growers.

A sale of importance was transacted at Independence last week by A. L. Broman who has been in business there a number of years. The buyer was an ice dealer of that city. Mr. Broman expresses his intentions of devoting his time to the erection of several residences on some property which he has acquired.

Edward Quinn, of Springfield, was a caller last week. He recently disposed of his place in that city to the Springfield Seed Co. Mr. Quinn is on the lookout for another location.

We deeply regret to learn of the death of the small son of Jacob Tobler. The trade is unanimous in an expression of deepest sympathy in his bereavement.

C. F. Eltzholtz, manager of the Oklahoma Seed House, Oklahoma City, was a recent caller. He reports a very healthy state of trade in that section.

Edward Hunt is becoming quite an enthusiastic bowler. In last week's meeting he was awarded honors for making the highest score.

Sam'l Murray had a very attractive window display last week. It consisted of very pretty arrangements of lily of the valley and cattleyas.

Walter Heite may be seen each day making the rounds with a nice stock of chrysanthemums.

The Wm. L. Rock Flower Co. will hold its annual opening during the week of November 18.

Frank Stuppy, of St. Joseph, was a visitor.

K. C.

CANTON, O.—Near the entrance of floral hall, the Zettler Co. has a large exhibit. The company has been long and widely known as florists and nurserymen, of 405 North Clarendon avenue. They do an extensive business in potted plants, trees and shrubs and this year are making a specialty of carnations, roses and ferns.

BALLSTON, VA.—Geo. J. Hess will remove to his new place, at Suitland, Md., outside of Washington, D. C., in the spring. He has planted a large block of peonies on his new place. The greenhouses will not be built until April. A general line of pot plants and cut flowers will be grown for the Washington market.

The Best Way to Collect an Account

is to place it with the

NATIONAL FLORISTS' BOARD OF TRADE, 56 Pine St., New York.

Why? Because many debtors will pay the Board, fearing otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.

...CARNATIONS...

Bargain rates to sell before freezing. 3,000 Norway, $3.00 per 100. **Chrysanthemums,** stock plants, Estelle, Oct. Sunshine, J. K. Shaw, 75c per doz.; $6.00 per 100.

Smilax, extra good, 3-in., $2.50; 2¼-in., $2.00. **Asparagus Plumosus,** 2¼-in., $3.00; 3-in., $5.00. **Boston Ferns,** 5-in., $25.00. Specimens, 75c and $1.00. **ROSES,** strong, 3-in., Bride and Maid, $4; 2¼-in., $2.

W. H. GULLETT & SONS, Lincoln, Ill.

FINE FIELD-GROWN

Violet Princess of Wales, 4c

Coreopsis Grandiflora, 3c

Let me quote you on

HERBACEOUS STOCK.

MARTIN KOHANKIE,

Painesville, Ohio.

FERNS.

Extra Fine and Cheap.

FROM BENCH. Boston, 3-inch, 5c; 4-inch, 10c.; 5-inch, 12½c. Tarrytown, 3-inch, 10c.; 4-inch, 15c; 6-inch, 25c; Tarrytown Runners, fine stock, $2.00 per 100. Scottii, 3-inch, 8c; 4-inch 12½c.

FLOWERING BEGONIAS, 8 kinds, 2-inch, 2½c.

ASPARAGUS SPRENGERI, 2½-in., $2.00 per 100.

PANSIES, Giant, $3.00 per 1000.

Dbl. DAISIES, Longfellow, Delicata, $2 50 per 1000.

HARDY PINKS, field, Essex Witch, M. Gray, Abbottsford, 3½c.

Dbl. HOLLYHOCKS, 4 colors, field, 1 year, 3c.

HARDY CARNATIONS, nice young plants from frames, $2 00 per 100.

REX BEGONIAS, 3-inch, 8c.

Cash or C. O. D.

BYER BROS., Chambersburg, Pa.

HEADQUARTERS FOR

CHOICE PLANTS.

Araucaria Excelsa, 5-in. pots, 50c and 75c, 3 to 4 tiers; 5½ to 6 in., $1.00 to $1.25, 4 to 5 tiers; 7-in. pots, $1.50, $2.00 and $2.50; 8-in. pots, 3½ feet tall, $3.00 to $3.50

Asparagus Plumosus, 4-in. pots, $1.50 per doz.; 4½-inch pots, $2.00 per doz.; extra large, in 4½-in. pots, $3.00 per doz.

Bay Tree Pyramids 50 to 60 in. high from top of tub, $14.00 a pair; 65 to 70 in. high from top of tub, $16.00 to $18.00 a pair.

Cibotium Schiedei, 6½ and 7 in. pots, $2.00 and $2.50 each.

Cycas Revoluta, 5½, 6 7 and 8 in. pots, 50c to $1.50 each

Dracaena Fragrans, 6-in. pots, $6 00 per doz.; 7-in. pots, $9.00 per doz.; 8-in. pots, $15.00 per doz. **Dracaena Lindeni,** 6-in. pots, $9.00 per doz.; 7-in. pots, $12.00 per doz. **Dracaena Indivisa,** 4-in. pots, $10.00 per 100; 5½-in. pots, $20.00 per 100. **Dracaena Terminalis,** 5-in. pots, $4.00 per doz.; 5½-in. pots, $5.00 per doz.; 7-in. pots, $15.00 per doz.

Boston Ferns, 5-in. pots, $3.00 per doz.; 6-in. pots, $5 00 per doz.; 6½-in. pots, $9.00 per doz.; 8-in. pots, $15.00 per doz.; 11-in. pots, $2.50 and $3.00 each; specimens, in 12-in. pots, $5.00, $6.00 and $7.00 each; 14-in. pots, $15.00 a pair. **Scottii Ferns,** 5½-in pots, $3.00 per doz.; 6-in. pots, $6.00 per doz.; 7 and 8 in. pots, $12.00 per doz. **N. Elegantissima,** 5½-in. pots, $5.00 per doz. **N. Whitmani,** 4½-in. pots, $6.00 per doz. **N. Piersoni,** 5 in. pots, $4.00 per doz.; 6-in. pots, $6.00 per doz.; 6½-in. pots $9.00 per doz.; 7-in. pots, $12.00 per doz.

English Ivy, 4½-in. pots, $2.00 per doz.; $15.00 per 100, 3 to 4 feet high.

Kentia Forsteriana, combinations, 3 and 4 plants, in 8-in. pots, $1 50 to $3.00; 10-in. pots, $6.00 each; 14-in. pots, $15.00 to $20.00 each; single plants, 50c to $2.00 each. **Kentia Belmoreana,** single plants, 5-in. pots, $4.00 per doz.; 6-in. pots, $9.00 per doz.; 6½ and 7 in. pots, $18.00 per doz.; large plants, from $2.50 to $3.50 each.

Livistona Sinensis, superior to Latania borbonica, 5 and 5½ in. pots, $5.00 per doz.; 6½-in. pots, $9.00 per doz.; 7-in. pots, $12.00 per doz.

Pandanus Veitchii, 5-in. pots, $4.00 per doz.; 6-in. pots, $6 00 per doz.; 6½-in. pots, $9.00 per doz. 7-in., $18.00 per doz.; 8-in., $2 00 each.

Primula Obconica, $2.00 per doz., $15.00 per 100.

Rubbers, 6-in. pots, $6.00 per doz.; 6½-in., branched, $9.00 per doz.; 6½-in., single stem, $8.00 per doz.; 7-in., branched, $9.00 per doz.; 10-in., 3 in a pot, $2.00 to $2.50 each.

Surplus of **Ardisia Crenulata** for next year fruiting, very fine, branched, 4-in. pots 1 ft. tall, spread 8-in. to 10-in., $40.00 per 100; 4½-in., $50.00 per 100.

Asparagus Sprengeri, $5.00 per 100.

Anton Schultheis. 19th St. and 4th Ave., College Point, L. I., N. Y.

ROOTED CUTTINGS.

Geraniums and Carnations

Send a list of what you want and how many of each variety, and I will be pleased to quote figures on your complete order.

ALBERT M. HERR, Lancaster, Pa.

ROOM....

We are crowded for room and must dispose of a lot of

BOSTON FERNS AT A SACRIFICE.

We have a large stock of **Boston, Piersoni, Elegantissima** and **Scottii.** Write for special prices which are too low to appear here.

W. W. COLES, Kokomo, Ind.

Please mention the American Florist when writing.

CHRYSANTHEMUMS.

C. Touset and Nonin, the money makers as we have found them, $1.00 per doz.; $7.00 per 100; $60.00 per 1000. Pacific, Estelle, Willowbrook, Halliday, Kalb and L. Harriet, 60c per doz.; $4.00 per 100. Cash with order.

EGGELING FLORAL COMPANY,

1653 S. Grand Avenue, ST. LOUIS, MO.

Please mention the American Florist when writing.

The Regan Printing House

LARGE RUNS OF

CATALOGUES —OUR— SPECIALTY

WRITE FOR FIGURES.

83-91 Plymouth Place, CHICAGO.

Please mention the American Florist when writing

Abundance Carnation

Plants from the field all sold.

Rooted cuttings of this variety will be ready about January.

RUDOLPH FISCHER, GREAT NECK, L. I., N. Y.

Please mention the American Florist when writing.

A Few Good Things You Want.

Cash with Order.

Dracaena Indivisa, 4 and 5-inch, $10.00 and $25.00 per 100.
Asparagus Plumosus, 2-in., $3.00 per 100.
Asparagus Sprengeri, 2-inch, $2.50 per 100.
Geraniums, S. A. Nutt, Castellane, John Doyle, Perkins, Poitevine and Double Gen. Grant, La Favorite. 2-in. pots, $2.00. Rooted cuttings $1.00 per 100.
Rex Begonia, nice plants, and 2¼-inch, $5.00 per 100.
Boston Ferns, 5-inch, 30c each.
Pierson Ferns, 5-inch, 50c each.
Vinca Var., 2-in., $2 00 per 100.
Primula Obconica, 2-in., $2.00 per 100.

GEO. M. EMMANS, NEWTON, N. J.

Please mention the American Florist when writing.

STOCK CHRYSANTHEMUMS.

Wm. Simpson, Polly Rose, Glory of Pacific, Ivory, White and Pink, Major Bonnaffon, Robt. Halliday, Maud Dean, Adelia, Viviand Morel, Lavender Queen, Yellow Jones, Queen, Silver Wedding, Geo. W. Childs, Dr. Enguehard and Alma (Pink Pompon), **75c** per dozen; **$5.00** per 100.

JOHN WALKER,
YOUNGSTOWN, - OHIO.

Are You Satisfied ? ? ? ? ? With Your Chrysanthemums?

If not, then grow our American Bred Varieties Only and

$DOLLARS IN YOUR POCKET$

Will Be The Result.

FOR EXHIBITION

Let us supply your needs in **the Best Foreign Productions for the Year.** We have **Wells-Pockett's, Brunning Sons', Calvat's, Nonin's, Pins' Sets,** also the **Cream of English Raisers** and those of **Other American Breeders.**

Send for Preliminary List—ready now.

NATHAN SMITH & SON,
ADRIAN, MICH.

THE NEW Cyclopedia of American Horticulture.

BY PROFESSOR LIBERTY H. BAILEY.

Over 4,357 articles in all by 450 expert writers, including practically all the best botanists, nurserymen, seedsmen, florists, market gardeners and experimental station horticulturists. Occupying 2,100 pages and covering 24,434 plant names, 2,800 detailed illustrations, enormously increasing the ease of identification, and 146 beautiful full page illustrations.

Every reader of this paper who is interested in farming, in gardening, in trees, in shrubs, and all out of door matters, absolutely needs this set. It takes the place of all others combined on American gardening.

In Six Great Quarto Volumes of 2,100 Pages You Find:

Descriptions alphabetically arranged of all—over a thousand—of the native trees, plants and flowers worth cultivating, with keys enabling you to name any species, as well as to find all information regarding it. Practical articles by leading experts of the country on all phases of commercial plant production and greenhouse management—cut flowers, vegetables, etc.

Fullest cultural instructions for every flower, fruit and vegetable, tree and ornamental plant you may wish to grow.

SPECIAL OFFER.

The regular price is ***$30.00.*** For a few weeks we are able to offer this new and revised edition with the new material added at ***$22.80*** cash. This offer will be withdrawn January 1, and the price increased.

American Florist Company,
324 Dearborn Street, CHICAGO.

Cleveland, O.

THE MARKET.

Stock the past week has been remarkably scarce for this season of the year. Never before in chrysanthemum season has there been such a shortage in all lines of stock. Violets are coming in more freely and the quality of both single and double is fine for this time of year. Roses are a little off crop and carnations seem to be in about the same condition with most growers, but this is a good sign, as it insures a larger cut for the holidays.

NOTES.

The Carl Hegenberger Co. has opened its new store on Fifty-fifth street, near Woodland avenue, and the opening proved to be a great success. Considerable credit is due Miss Getz who planned the new store. The walls are of leaf green with gold and white trimming and when lighted is most beautiful. We all join in wishing them every success in their new venture.

Peter Nichols, the Arcade florist, has been on the sick list the past week. We are glad to say that he is fast improving and will be on deck shortly.

F. W. Griffin, of Euclid avenue and Fifty-fifth street, reports the sale at his Sabin plant stand as most gratifying.

J. M. Gasser, whose health has been failing for the past year, has left for Cincinnati to take treatment in a private sanitarium.

H. R. Carlton is sending in some fine Gov. Herrick violets to the Cleveland Cut Flower Co.

Visitor: B. Eshner, of M. Rice & Co., Philadelphia. OHIO.

Oakland, Cal.

This city has made great strides forward since the earthquake at San Francisco, its population having more than doubled. Naturally the florists are keeping ahead and getting their share in the general prosperity. For a few weeks after the calamity, supplies of every kind were over abundant, the growers this side of the bay having lost the market for their production. But this soon became normal again, the large growers shipping to Portland, Ore., Salt Lake City, Utah, Reno and other points, also the unburned section of San Francisco. Growers in this vicinity have fine stock and the outlook for a very prosperous winter and spring trade was never better.

NOTES.

The German gardeners' club "Hortensia" gave a very enjoyable and successful dance and entertainment to its members, their friends and families on October 17. It was shown that the club is very much alive.

Visitors include H. Plaith, of the Pacific Coast Horticultural Society, and Henry Kessel, of San Francisco, both prominent fern growers of this section.

E. B.

EATON, O.—The business of S. J. Galloway, who is engaged in the culture of hardy flowers, is increasing so rapidly that he has been compelled to enlarge his propagating houses on North Maple street. The old houses have been torn down and a new one, 16x50 feet, has been erected.

GERANIUMS 2½in. Pots, Ready for Immediate Delivery

Alliance. Lemoine 1905. Hybrid, Ivy and Zonal, semi-double, lilac white, upper petals feathered and blotched crimson maroon, 25c each; $2.00 per doz.

Fleuve Blanc, the semi-double Bruant that promises to become the standard white, flowers and foliage equal to Alph. Riccard, $1.50 per doz.; $10.00 per 100.

Double Dryden, $1.00 per doz.; $5.00 per 100.

Cactus Geraniums, four varieties, petals curled and twisted similar to the Cactus Dahlia, $2.00 per doz.; $15.00 per 100.

S. A. Nutt, La Pilote, Beaute Poitevine, Mme. Barney, Centaur, Miss Kendall, Mme. Jaulin, Jean Viaud, Mme. Charotte, 40c per doz.; $2.00 per 100; $18.00 per 100.

Ville Poitiers, Marquise de Castellane, Berthe de Persilly, M. Jolly de Bammeville, Thos. Meehan, 50c per doz.; $3.00 per 100; $25.00 per 1000.

Send for Geranium Catalogue. Let us figure on your future supply.

	Per 100	1000
Alternanthera, red and yellow	$2.00	15.00
Hardy English Ivy	2.00	15.00
Smilax	2.00	15.00

A cordial invitation is extended to all interested in horticulture to visit us. Cowenton station, Philadelphia division, B. & O. R. R., 12 miles north of Baltimore.

R. VINCENT, JR. & SON, White Marsh, Md.

Please mention the American Florist when writing.

Directory of Gardeners

—AND—

Estates Employing Gardeners

—IN THE—

UNITED STATES and CANADA.

Price $5, Cash With Order.

AMERICAN FLORIST CO. 324 DEARBORN ST., ...CHICAGO.

BEST ENGRAVINGS and ILLUSTRATIONS

—Of Every Description—

FOR CATALOGUES.

SEE OUR WORK IN THIS PAPER. SEND FOR ESTIMATES.

GLOBE ENGRAVING and ELECTROTYPE CO.

407-427 Dearborn St., CHICAGO.

BERTHA RATH

CARNATION.

FERNS, PALMS,

ARAUCARIA EXCEL.,

ASPIDISTRA,

Green and Variegated.

BAY TREES and PRIVET,

Fine, Strong Stock.

R. DREYER, WOODSIDE, L. I., N. Y.

SPECIALTIES.

ROSES, from 3-inch pots. CHRYSANTHEMUMS.
CARNATIONS, for fall delivery. SMILAX. VIOLETS.

IN BEST VARIETIES.

Prices low. Send for list.

WOOD BROTHERS, Fishkill, N. Y.

GOV. HERRICK THE COMING VIOLET

One that produces three times as many flowers as any violet ever offered for sale. It will please you. Order at once. Prices: $2.00 per doz.; $10.00 per 100; $75.00 per 1000; 5,000 or more at $60.00 per 1000. Send for description today.

H. R. CARLTON, Willoughby, O.

INTRODUCER and ORIGINATOR.

MABELLE, New Pink Carnation for 1907.

Color—A peculiar shade of lovely pink, with a faint yellowish cast; several shades lighter than the Lawson. Unlike most pinks, the brightest sun does not injure the color. Size—3 to 4 inches in diameter when established. Odor—Pleasing, but not strong. Stems—Invariably strong, but always graceful, ranging from 12 to 30 inches during the season. Habit, etc.—A very quick, active grower, making specimen plants in a short time, even from late cuttings. On account of its rapid growth, requires supporting very soon after benching. Gets away rapidly, blooms early and gives long stems right from the start. Productiveness—Prodigious is the best word we know of to use here. It is the most incessant bloomer, early and late, we have ever grown. Stock limited. Delivery January 5 to 10 and later. Price, $12.00 per 100, $100.00 per 1000.

THE H. WEBER & SONS CO., Oakland, Md.

Please mention the American Florist when writing.

Now is the Time

to Subscribe to the

Horticultural Trade Journal

Published weekly. The Largest Brightest, and Best British Trade Publication. Also

THE INTERNATIONAL EDITION

Published quarterly. Annual subscription for weekly and quarterly numbers, One dollar, (International money order). Subscribe to-day and keep in touch with European markets and topics.

THE HORTICULTURAL PRINTING COMPANY

BURNLEY, ENGLAND.

DON'T SAY THERE IS NO MONEY IN CHRYSANTHEMUMS

until you have tried **Clementine Touset**, the finest, largest, earliest white to date; every florist in the country should grow a batch, or a bench, or a houseful of this fine 'mum next year. I have the largest and best stock in the country and will sell you stock plants, fine large clumps full of runners at

15c each; **$1.50** per dozen;
$12.00 per 100.

Hurry up and order at once; even this stock will not last long when florists find out how valuable a variety this is. **Moneymaker**, the early white English variety, and **Jeanne Nonin**, the late white French variety, will go at the same price as long as stock lasts. Now is the time and chance to make money.

Other varieties at 10c each; $1.00 per doz.; $6.00 per 100; such as Monrovia, white and pink Pacific, white and yellow Bonnaffon, white and yellow Eaton, Mrs. Weeks, Viviand-Morel, J. K. Shaw, Alice Byron, Dr. Galloway, Ben Wells, Dr. Enguehard, Col Appleton, Yanoma, Chadwick, etc. Cash with order.

GUNNAR TEILMANN, Marion, Ind.

GOOD FERNS CHEAP.

	Per 100
BOSTONS, strong runners	$ 2.00
ELEGANTISSIMA, strong, 2½-in	5.00
PIERSONI, from 6-in pots	40.00
" from 7-in. pots	60.00
SCOTTII, from 5-in. pots	25.00
" from 6-in. pots	40.00
" from 7-in. pots	60.00
WHITMANI, strong young plants, from bench	10.00

DAVIS BROS., Morrison, Ill.

PANSIES.

Brown's Extra Select Superb Giant Prize Pansies.

Awarded silver medal St. Louis Exposition, 1904.

Plants, mixed colors, in any quantity, $3.00 per 1000. Cash with order.

PETER BROWN,
LANCASTER, PA.

Please mention the American Florist when writing

Muskogee Carnation Co.

Get your flowers cut fresh from greenhouse.

AMERICAN BEAUTY, BRIDE, MAID, RICHMOND and CARNATIONS.

All fancy varieties; also surplus stock of **Bride** and **Maid**, 4-inch pots. Fine plants.

MUSKOGEE, IND. TER.

CHRYSANTHEMUMS
AND STOCK PLANTS.

	Per doz.		Per doz.
Rosiere, pink	$1.50	Omega	0 75
Emereter, "	1.00	C. Touset	1.00
Monrovia	.75	Bergman	.75
Merstham yellow	1.00	Willowbrook	.75

ELI CROSS, Grand Rapids, Mich.

LARGEST STOCK OF ALL

Belgian Plants.

AZALEAS, ARAUCARIAS, SWEET BAYS, PALMS, BEGONIAS, GLOXINIAS, ETC.

Louis Van Houtte Pere,
GHENT, HELGIUM.

Cineraria

Benary, Cannell and **Sutton's** Prize Strains; dwarf or semi-dwarf, large flowers, all shades and colors, mixed. 2¼-in., $2.50 per 100. Cash please.

SHELLROAD GREENHOUSES, Grange, Baltimore, Md.

PALMS, FERNS and DECORATIVE PLANTS

ARAUCARIA EXCELSA.

(Norfolk Island Pine.)

We have a large quantity of these popular Christmas plants. All are perfect, well shaped plants, and will give good satisfaction.

Size pot.	Height	Whorls	Each	Doz.
6-in	18 in.	4	$1.25	$15.00
7-in	22 in.	5	1.50	18.00

ARAUCARIA EXCELSA GLAUCA.

Size pot.	Height	Whorls	Each	Doz.
5-in	12 in.	3	$1.00	$12.00
6-in	13 to 15 in.	3 to 4	1.25	15.00
7-in	18 to 20 in.	4 to 5	1.50	18.00
7-in	22 to 24 in.	4 to 5	2.00	24.00
9-in., fine specimens	30 in.	4 to 5	3.00	....
9-in., fine specimens	34 in.	5	4.00	....

ARAUCARIA ROBUSTA COMPACTA.

Size pot.	Height	Whorls	Each	Doz
5-in	10 in.	2	$1 00	$12.00
6-in	12 in.	3	1.50	18.00
7-in., fine specimens	28 in.	5	3.00	....
8-in., fine specimens	32 in.	5 to 6	4.00	....

ASPARAGUS PLUMOSUS NANUS.

We Are Headquarters.

	Per 100	Per 1000
2-in pots, strong, ready for a shift	$3.00	$25.00
2½-in. pots, strong, ready for a shift	4.00	40.00
3-in. pots, strong, ready for a shift	7.00	65.00
Strong Seedings	1.50	12 00

BOSTON FERNS.

Nephrolepis Exaltata Bostoniensis.

We have the finest stock in the west. All our plants are pot-grown, bushy stock, well furnished with fronds from the pot up, and cannot be compared with the cheap, long-drawn-up lifted stock from the bench. A sample shipment will convince you of our superior stock. Stock ready now.

	Each	Per doz.	Per 100
2½-in pot plants		$ 0.60	$ 5.00
3-in. pot plants		1.50	10.00
4-in. pot plants		2.50	20.00
5-in. pot plants	$ .50	5.00	40.00
6-in. pans plants	.75	8.00	60.00
7-in pans plants	1.00	10.00	75.00
8-in. pans plants	1.00	15.00	....
9-in. pans plants	$2.00 to $2 50	.....	.....
10-in. pans plants	3.00 to 3.50	.....	.....
12-in. pans plants	4.00 to 5.00	.....	.....

ASSORTED FERNS FOR FERN DISHES.

We have a very large stock of all the best Pteris Ferns, 2¼-in. pots, strong and bushy assorted, per 100, $3.00; per 1000, $25.00.

CELESTIAL OR XMAS PEPPERS.

One of the very best of Christmas plants.

	Per doz.	Per 100
Strong plants, 4 in. pots	$1.25	$10.00
Strong plants, 5-in. pots	2.00	15.00

FICUS ELASTICA. (Rubber Plant).

5-inch pots, 12 to 14 in. high.....$5.00 per doz.; $40.00 per 100

RICHMOND ROSES.

3-in. pots strong	8.00 per 100;	75.00 per 1000
4-in. pots, strong	12.00 per 100;	100.00 per 1000

KILLARNEY, strong.

Strong, 3-in. stock	$ 8.00 per 100;	$ 75.00 per 1000
4-in	12.00 per 100;	100.00 per 1000

PAEONIES FOR OCTOBER PLANTING. We have the best kinds of our own growing, all true to name. Send for complete list.

PERENNIALS FOR FALL PLANTING. Our stock is large and consists of all the best sorts. Send for special list.

VAUGHAN'S SEED STORE,

84-86 Randolph St., CHICAGO. 14 Barclay St., NEW YORK.

Greenhouses and Nurseries: Western Springs, Ill.

Le Journal des Roses.

Organ of the French Rosarians.

Published at Paris. Once a month with colored plates.

Subscription $2.70 per Year. Sample Copies Free.

ADMINISTRATION DU SUISNES **JOURNAL DES ROSES**
a SUISNES, Brie
a Grisy-Suisnes. (Seine et M FRANCE.

DAHLIAS.

Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring.

DAVID HERBERT & SON,
Successors to L. K. Peacock, Inc., ATCO, N. J.

Queen Beatrice Rose.

Four to one shot. Four times as many flowers as Maid.

F. H. KRAMER, 916 F St., WASHINGTON, D. C.

Please mention the American Florist when writing.

ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the

"Horticultural Advertiser"

This is the British Trade Paper, being read weekly by all the Horticultural traders; it is also taken by over 1000 of the best continental houses. Annual subscription to cover cost of postage 75c; Money orders payable at Lowdham, Notts.

Address **Editors of "H. A."**
Chilwell Nurseries, LOWDHAM, Notts, England

San Francisco.

The Pacific Coast Horticultural Society was entertained October 28 by Henry Maier, head gardener to W. L. Tevis, who was kind enough to give this invitation some time ago. It was a very fine day, a regular San Mateo day, and some 100 members and their families of the society and some 25 of the Oakland Society, Hortensia, gathered on the large and beautiful grounds in the forenoon and after the welcome were at once invited to a fine repast, after which the grounds and conservatories were inspected. Everything was in A No. 1 condition, showing that Mr. Maier had not been idle these last three or four years to produce from the barren hills such beauty. In the conservatories a very fine collection of ferns, coleus and cyclamen showed exceptionally well. Four frames were filled to overflowing with cyclamen at different stages of development. About 4 o'clock coffee and cake were served. After that anybody that was still dry could quench his thirst with imported lager and smoke genuine Havana cigars. Speechmaking and singing brought the visit to a close with many thanks to the donor. It is too bad we do not have some more of these visits to other places. They would do a lot of good among the members and will serve as a sticking plaster to the society.

At P. C. Meyer & Co., the Glenwood Nursery, things are shaping themselves for a successful season. Quite a number of carnations are being cut and sent here where a good market is awaiting them. A few pet seedlings, a white and a pink one, seem to have a future ahead of them. One is large, of good pleasing pink, fragrant and stiff, with a long stem, the other white a form of Prosperity, only fuller and larger. Of four houses of American Beauty one is in flowering condition, one will be in, in two weeks, the other two still two weeks later, clean and healthy. Two houses of Liberty and two of Bridesmaid are in as good condition and will be in time as usual.

Messrs. Angus & Murray, in Redwood City, former rose specialists have dissolved partnership, Mr. Murray acquiring part of the land and all the glass and other buildings. Mr. Murray is now hard at work repairing the damage done by the earthquake and has planted two houses in carnations. Stocks and candytuft will fill the balance and a new start will be made with roses next season.

At M. Lynch's all hands are hard at work replanting carnations. Chrysanthemums are not quite up to previous years, but still a good size cut is coming in, large enough to satisfy almost anybody. The same is the case at Frank Mill's, Palo Alto, and Sidney Clark's, of Menlo. San Mateo county seems to be right in it for a good winter supply of cut flowers and not much behind other years.

At Henry Goertzhain's chrysanthemums are the feature at present and he has them as good as usual and a little better. They are a very scarce article this year and bring fancy prices and Henry's bank account will show up well after the cut. Houses of carnations are also looking fine. Freesias, lilies and cucumbers will be forced after the chrysanthemums are cut.

At Chas. F. Fick's, carnation specialist, carnations are settling down for a steady cut and all kinds of money can be looked for in the near future. One house of tomatoes and cucumbers is starting up well and the next couple of months should mean success or failure.

At John O'Hearn's, the carnation houses are putting on their winter dress and a first class cut may be expected from now on. His palms, kentias especially, are in fine form.

At W. E. McLellan's the stock is somewhat behind previous years. A late start and a shortness in help seems to have been the fault.

At Hermann & O'Hearn's, in Belmont, carnation plants are being carried over the second year and are full of blooms now. C. F.

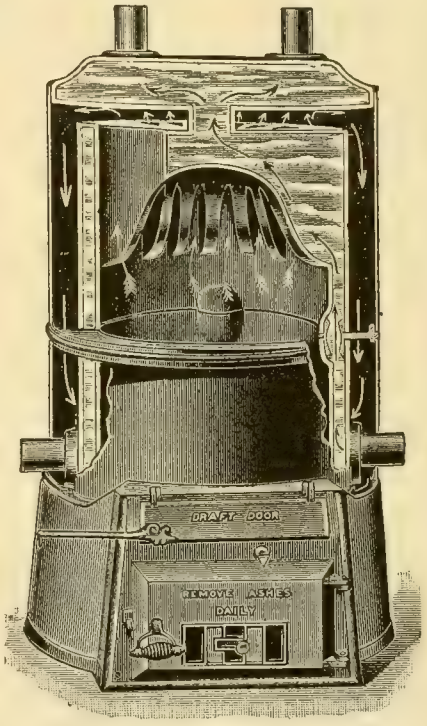
NASHUA, N. J.—W. W. Powers furnished the wedding decorations at the Fuller-Chase wedding October 20.

HIGH GRADE HEATERS!

MODERN

CONSTRUCTION

Secures great Efficiency with Great Reduction of Cost; Secures Economy of Fuel and Little Labor.



We Manufacture

STEAM

and

HOT WATER

Boilers suitable for Residences and Green Houses, and our record of fifteen years has proven the great Superiority of our Heaters.

We have thousands of these Boilers in use, and where known they are thoroughly appreciated. There are many places, however, where they are not known and we want to sell one in each of these places, and will sell the first one at a VERY LOW PRICE. For the purpose of introducing our Boilers where they are not known we will sell at

WHOLESALE Price, one Boiler to the person first ordering from such a place, and will

DONATE 25 PER CT. of the net price as a premium on first order. This will save the buyer

$25.00 to $100.00, according to the size bought. Our catalogue giving full details of our Heaters is furnished **FREE,** and a net price on Heaters will be given, delivered at any station in the United States. Our Boilers are **HIGH-GRADE** Heaters; they have been made for the past fifteen years; thousands are in use, and they are specified by the leading Architects and Heating Engineers throughout the country.

GIBLIN & CO.

UTICA, N. Y.

FARTHER NORTH. "It is the lightest and strongest house imaginable."
HALL & ROBINSON,
Montreal, P. Q.

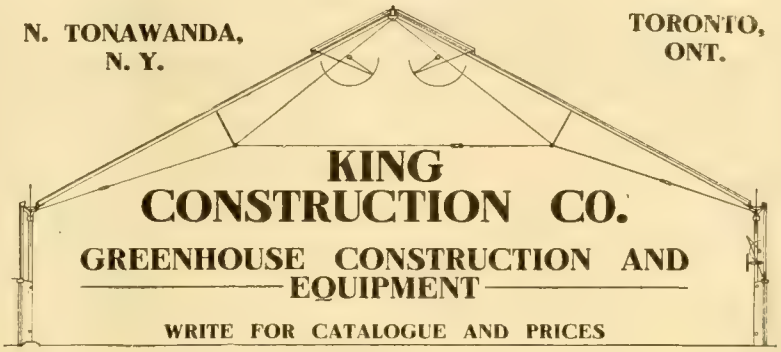
NORTH. The lightest and most perfect greenhouse construction yet attempted. Best crop of beauties I ever had.
J. H. DUNLOP,
Toronto, Ont.

NEW ENGLAND. "No shade in my new house, crop is a record breaker."
J. A. LONG,
East Haven, Conn.

EAST.
"So well pleased with all points, we intend to build more of them."
G. MATTHEWS,
Great Neck, N. Y.

CENTRAL.
"Lightest house on the place, strong as a bridge."
W. J. PALMER & SON,
Buffalo, N. Y.

N. TONAWANDA, N. Y.
TORONTO, ONT.



KING CONSTRUCTION CO.
GREENHOUSE CONSTRUCTION AND EQUIPMENT
WRITE FOR CATALOGUE AND PRICES

EXTRACT FROM LETTER RECEIVED FROM J. J. LAMPERT & SONS, XENIA, OHIO.

"We have the larger house planted to 'mums now, and they have outgrown considerable stock that was planted a month earlier in this locality. Also we have one house planted to roses, which are doing nicely. We like the houses ever so much and would not have anything else again."
(Signed), J. J. LAMPERT & SONS.

THE KING GUTTER is a great advance on anything else of the kind. The E. G. Hill Company, who have used them in their new range of 100,000 feet, just completed, write: "Everything fits admirably and we are much attached to the King Gutters. We think that the next time we build we will use the entire King Construction."

FAR WEST.
"After making a trip East to see all constructions am ordering yours. Best in every way."
C. H. HOPKINS,
Kent, Wash.

WEST.
"They are perfect in every way."
C. F. MALER,
Denver, Colo.

Toronto.

BUSINESS FINE.

Never in this city has society made such an early start on the giddy round as this season. Already, though November only dawns, there are parties, balls, and debut teas innumerable, and not least, the chrysanthemum show which will be held next week in the spacious Massey hall. Predictions are that the show is too early for the blooms, but it is wonderful how the flowers all turn up at the last moment. Business is fine at present, but with the large quantities of stock which are now on the market it is hard to see where any inroad has been made on the surrounding stock. The rose crop is very favorable, not very heavy but just right for the season. Carnations are plentiful enough in all varieties to meet the demand, while chrysanthemums seem to be overdone, consequently the prices of the latter are not as good as they have been in some other seasons. Violets, lily of the valley and orchids are plentiful in the daily show and predominate all other sales. This is the season for palms, the prices having been so considerably increased by the distributors that a number of our importers have this year stopped that portion of their business, and those few fortunate ones who have palms are realizing fairly good prices on their stock. Ferns, in the Boston, Piersoni and other vigorous growing varieties are much in demand, though there are plenty to supply all ordinary wants.

John Regall, foreman for the Steele Briggs Co., has just returned from a country trip where he has been purchasing onion sets. The past season has been very favorable for these and at present it is difficult to find adequate storage.

Charles Turpe is off on a hunting jaunt through the northern wilds looking for deer.

H. G. D.

...REMOVAL NOTICE...

Herewith we would like to advise the trade in general and our friends in particular, that we have removed our place of business to

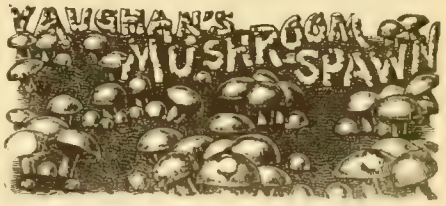
125 North Tenth Street,
ABOVE ARCH STREET.

Thanking you for your past favors and hoping for the continuance of the same in the future, especially as we will be able with more accommodation and with a larger stock to fill your orders more promptly than heretofore. We are Yours very truly,

Philadelphia, Pa. J. STERN & CO.

CAMDEN, N. Y.—The rumor that A. B. Powell is about to erect a greenhouse and enter the floral business, is without foundation.

OWENSBORO, KY. — The Manz Floral Co. has added a greenhouse 28x117 feet to their plant and a 30 H. P. boiler has been installed and successfully tested. All the stock is in good shape, chrysanthemums making a fine show, and 50,000 cannas are just coming into bloom. The company will shortly open a down town office in charge of Miss Katie Manz; R. W. Manz will be supervisor of the whole business, and Ben D. Manz is to have active charge of the greenhouses.



ENGLISH SPAWN. Imported fresh every month. Quality unsurpassed. Our English manufacturer has been in the business over thirty years. He knows all about pure culture. Do you think you can purchase as good a quality at twice the price from "greenhorns" who have made spawn two or three years. Price: Per 100 lbs., $6.00, f. o. b. New York; $6.50, f. o. b. Chicago. Write for prices in quantity

AMERICAN PURE CULTURE. From the best American manufacturers. Its chief value is its being in a moist condition, ready to start, and therefore earlier than English spawn. Sold by the brick: 10 bricks, $1.75; 25 bricks, $3.50; 100 bricks, $12.00; cream-brown, brown, or white varieties.

VAUGHAN'S SEED STORE
84-86 Randolph St., CHICAGO. 14 Barclay St., NEW YORK.

Always mention the American Florist when you order stock.

The Whilldin Pottery Co.

STANDARD FLOWER POTS

Our output of Flower Pots is larger than any concern in the World
Our Stock is always Large and Complete

Main Office and Factory,

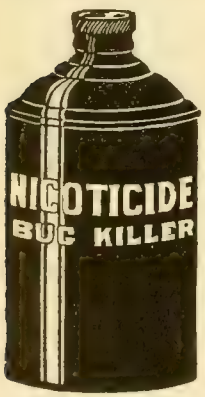
713 WHARTON STREET, PHILADELPHIA

Warehouses: JERSEY CITY, N. J. LONG ISLAND CITY, N. Y.

CLIPPER LAWN MOWER CO. DIXON ILL.

The Mower that will **kill all the Weeds in your Lawn.** If you keep the weeds cut so they do not go to seed and cut your grass without breaking the small feeders of roots, the grass will become thick and the weeds will disappear.

The Clipper will do it. Ask your dealer for them. If they have not got them, below is the price: No. 1—12-inch Mower, $5; No. 2—15-inch Mower, $6; No. 3—18-inch Mower, $7; No. 4—21-in. Mower, $8. Send draft, money-order or reg. letter.



THE BEST Bug Killer and Bloom Saver.

For **PROOF** Write to

P. R. PALETHORPE COMPANY,

LOUISVILLE, KY.

GEO. KELLER & SON,
MANUFACTURERS OF
FLOWER POTS.
Before buying write for prices.
361-363 Herndon Street,
near Wrightwood Ave.,
CHICAGO, ILL.

Those Red Pots
"STANDARDS"
FULL SIZE AND WIDE BOTTOMS,
BULB PANS AND AZALEA POTS.
DETROIT FLOWER POT M'F'Y.
HARRY BALSLEY, Rep. DETROIT, MICH. 490 Howard St.

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

THE KELLER POTTERY COMPANY,

Manufacturers of **FLORISTS' RED STANDARD POTS.**

Azalea Pots, Bulb and Fern Pans, Etc.

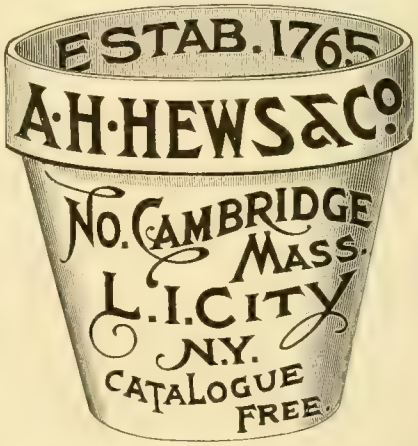
Write for Price List. 213-15-17-19-21-23 Pearl St., **NORRISTOWN, PA.**

IONIA POTS.

STRONG POROUS DURABLE

In potting you will appreciate their smooth, well rounded edges. And this is but one of the many reasons why **IONIA POTS,** by superior merit alone have won a lasting place in the hearts of all our patrons. Remember us with your next order.

IONIA POTTERY COMPANY, Ionia, Mich.



Standard Flower Pots!

Packed in small crates, easy to handle.

	Price per crate		Price per crate
1500 2-in., in crate,	$4 88	120 7-in., in crate,	$4 20
1500 2¼ "	5.25	60 8 "	3.00
1500 2½ "	6.00	HAND MADE.	
1000 3 "	5.00	48 9-in., in crate,	$3.60
800 3½ "	5.80	48 10 "	4.80
500 4 "	4.50	24 11 "	3.60
320 5 "	4 51	24 12 "	4.80
144 6 "	3.16	12 14 "	4.80
		6 16 "	4.50

Seed pans, same price as pots. Send for price list Cylinders for Cut Flowers, Hanging Baskets, Lawn vases, etc. Ten per cent off for cash with order. Address

HILFINGER BROS. POTTERY, Fort Edward, N. Y
or AUGUST ROLKER & SONS New York Agents.
31 Barclay Street, New York City.

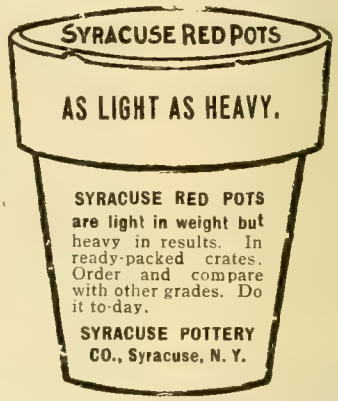
CUT FLOWER BOXES WATERPROOF Corner Lock Style.

The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always.

Size No.		Per 100	Per 1000
"	0, 3x 4x20	$2.00	$19.00
"	1, 3x 4½x16	1.90	17.50
"	2, 3x 6x14	2.00	19.00
"	3, 4x 8x18	2.50	23.00
"	4, 3x 5x24	2.75	26.00
"	5, 4x 8x22	3.00	28.50
"	6, 4x 8x28	3.75	36.00
"	7, 6x16x20	5.50	54.00
"	8, 3x 7x21	3.00	28.50
"	9, 5x10x35	6.50	62.00
"	10, 7x20x20	9.50	67.50
"	11, 3½x5x30	3.00	28.50

Sample free on application. No charge for printing on orders above 250 boxes. Terms cash.

THE LIVINGSTON SEED COMPANY,
Box 104, COLUMBUS, OHIO.



STANDARD FLOWER POTS

No Charge for Crates or Packing.

Inches	per 1000	Inches	per 100
1½	$ 2.77	7	$ 4.00
2	3.33	8	6.00
2½	3.88	9	8.88
3	5.27	10	13.33
3½	6.10	12	22.22
4	7.77	14	38.88
4½	10.00	16	66.66
5	13 60	20	each, 1.25
6	22.20		

Azalea Pots and Bulb Pans same as **Standard Pots.** 2 and 2½-in Rose Pots, $3.50 per 1000. These pots are **carefully made,** very strong and porous. Liberal count is given, thereby protecting our patrons against possible breakage. **Above prices subject to 10 per cent. discount for cash.**

A. F. KOHR, 1521-23-25 N. Leavitt St, Chicago.

Red Standard Flower Pots

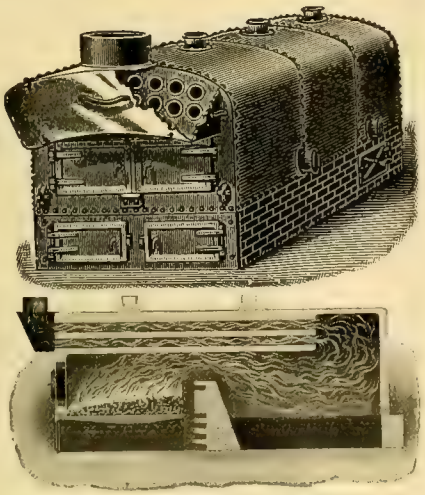
Price list and samples on application.

PADUCAH POTTERY CO., Inc.
PADUCAH, KENTUCKY.

Please mention the American Florist when writing.

REED & KELLER,
122 W. 25th St., NEW YORK.
FLORISTS' SUPPLIES.
We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
and are dealers in **Glassware, Pottery, Decorative Greens and all Florists' Requisites.**
Please mention the American Florist when writing

TELEGRAPH ORDERS. Can ship any size at once.



ASK FOR OUR CATALOGUE AND PRICES.

Order Now

KROESCHELL BROS. CO., 45 Erie Street, CHICAGO.

SPRAGUE, SMITH CO.

JOBBERS AND MANUFACTURERS OF

Window Glass.

GREENHOUSE GLASS A SPECIALTY.

167-169 Randolph St., **CHICAGO.**

L. BAUMANN & CO.,

Importers and Manufacturers of

Florists' Supplies

76-78 Wabash Ave., CHICAGO.

Write for our New Catalogue F. Our prices may interest you.

Gold Fish Aquaria

and Aquarium Supplies.

Write for catalogue.

FRED KAEMPFER

88 State Street, **CHICAGO, ILL.**

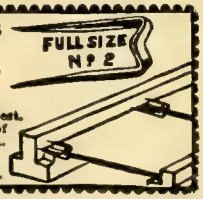
Holds Glass Firmly

See the Point

PEERLESS

Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.

HENRY A. DREER, 714 Chestnut St., Phila., Pa.



H. M. HOOKER CO.

Window Glass, Paints and Putty. Greenhouse Glass a Specialty.

59 W. Randolph St., **CHICAGO.**

THE BLACK STUFF FINE TOBACCO

FOR DUSTING IS GROUND VERY FINE FROM THE HEAVY PURE LEAF LET US TELL YOU ABOUT IT.

THE H-A-STOOTHOFF CO. 116 WEST ST. NEW-YORK

THE LOW PRICE HEATING PLANTS

The Chicago House Wrecking Co. is in position to offer you an interesting proposition for furnishing you with a heating plant at a saving of at least 30%. Send us a sketch of your houses with preferred location of the boiler, the points of compass and the desired night temperature for zero weather, and we will gladly submit you an exact detail quotation of all material required to install the plant. We have ***heaters*** and ***boilers*** of every kind, both new and rebuilt. We have always on hand a large number of rebuilt boilers suitable for greenhouse heating. Our stock embraces ***fire box boilers, horizontal tubular boilers, Kroeschell boilers, cast iron sectional boilers, Erie City economizers*** and other types.

We can save you considerable money on ***pipe, valves*** and ***fittings;*** also on ***doors, glass, sash*** and everything needed in the construction of your buildings.

Ask for our Special Catalogue No. 47.

CHICAGO HOUSE WRECKING CO.,

35th and Iron Streets, CHICAGO.

NICHOLAS WAPLER,

50 Barclay St., NEW YORK,

Manufacturer and Importer

TERRA COTTA

Grass Growing Heads and Animals

in different sizes and designs.

FISH GLOBES, FISH TANKS, AQUARIA,

FRENCH GLASS SHADES, round, oval and square, for covering statues, flowers, clocks and all kinds of ornaments.

Write for catalogue and prices.

IMPORTED CHINA. BOHEMIAN GLASSWARE.

The James H. Rice Co.

IMPORTERS and JOBBERS

GREENHOUSE GLASS

A SPECIALTY.

Window Glass, Paint, Putty, etc.

Office and Warehouse: Corner of Michigan, St. Clair and Illinois Streets, CHICAGO.

GREENHOUSE HEATING

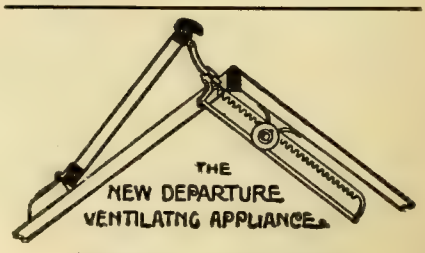
Complete heating plants erected or materials furnished with working plans. Write for prices on **BOILERS.**

JOHNSTON HEATING COMPANY,

St. James Building, 1133 Broadway, NEW YORK.

Index to Advertisers.

Adv rates.....746
Advance Co The....III
Allen J K 757
Amling E C.....753
Andorra Nurseries...763
Augermueller Geo H759
Appel Conrad.....760
Aschmann Godfrey..772
Atlanta Floral Co...759
Barrows Henry & Son755
Barteldes Seed Co... II
Bassett & Washburn. 753 768
Baumann L & Co....781
Beaven E A.....750
Beckert W C..... II
Benthey-Coatsworth Co.....753
Berckmans P J Co. 762 763
Berger H H & Sons.773
Berning H G.. ... 655
Bertermann Bros Co.758
Blackistone Z D.....759
Boddington A T II
Boland J B Co.....759
Braslan Seed Co.....760
Breitmeyer's J Sons.758
Brown Peter.....777
Bruns H N 764
Budlong J A.....753
Burpee W A & Co.... II
Byer Bros.....774
Caldwell the Woodsman Co.....750
Carlton H R.....776
Carmody J D.....782
Chalfant W A.....773
ChicagoCarnationCo I
Chicago House Wrecking Co.....781
Cleveland Cut Flo Co759
ClipperLawnMower Co.....780
Coles W. W.....774
Collins Thos.....750
Connell Benj.....750
Cooke Geo H.....758
Cotsonas Geo & Co..757
Cottage gardens.....762
Cowee W J.....782
Crabb & Hunter. ...773
Craig Robert Co.....771
Cross Eli.....777
Cunningham Jos H..773
Daniels & Fisher....758
Davis Bros.....777
Deamud J B Co.....748
DetroitFloPotMfv...780
Dietsch A Co.....IV
Diller Caskey & Co..782
Dillon J L.....750
Dingee&ConardCo..773
Donohoe W·H.....758
Dorner F & Sons Co I
Dreer H A.....781
Dreyer R.....776
Dunford J W.....759
Edwards Fold'g Box.780
Eggeling Floral Co..774
Elliott Wm H.....775
Emmans Geo M.....775
Eyers H G.....759
Fellouris A J 757
Fischer R.....775
Florists' HailAs'n....782
Flower Growers Co. 753
Foley Mfg Co 3rd Special Cover
Ford Bros.....757
For Sale and Rent...747
Froment H E 757
Garland Geo M.....790
Garnsey M V.....III
Giblin & Co.....IV 778
Globe Eng Co.....776
Grillbortzer David G759
Gude A & Bro...756 758
Gullett W H & Sons.774
Gundestrup K & Co. II
Gurney Heater Co... IV
Guttman Alex J.....757
Guttman & Weber..756
Haines John E.....751
Hansen M A 758
Harris Wm H.....751
Hartman Hjalmar... II
Hauswirth P J.....758
Heller & Co..... II
Henshaw A M.....757
Herbert D & Son....777
Herr Albert M.....774
Herrmann A.....IV
Hess & Swoboda....758
Hews A H & Co.....780
Hilfinger Bros.....780
Hill The E G Co.... I
Hippard E.....790
Hitchings & Co. IV
Holm & Olson.....758
Holton & Hunkel Co.755
Hooker H M Co.....781
Hort Advertiser 777
Hort Trade Journal..776
Hubbs Henry L 750
Hunt E H.....753
Igoe Bros.....IV
Ionia Pottery Co 780
Isbell S M & Co..... II
Jackson&PerkinsCo.763
Jacobs S & Sons.....IV
Janesville Floral Co.764
Jensen & Dekema...753
Johnston Heating Co781
Journal Des Roses...777
Kaempfer Fred.....781
Kasting W F..... I
Keller Geo & Son...780
Keller J B & Sons...659
Keller Pottery Co....780
Kellogg Geo M.....658
Kennicott Bros Co..753
Ky Tob Prod Co....III
Kervan Co The.....757
Kessler P.....757
Kimmel W W.....759
KingConstructionCo779 790
Klehmes Nursey....762
Kobankie Martin.....774
Kohr A F 780
Koppelman EL & CoIII
Kramer F H.....777
Kramer I N & Son..III
Kroeschell Bros Co. 781
Kuehn C A.....755
Kuhl Geo A.....773
Lager & Hurrell.....757
Lampert J Floral Co750
Lange A.....758
Langjahr A H.....757
Lecakes N & Co.....757
Lee F S.....750
Leedle Floral Co....763
Livingston Seed Co. 758 780
LocklandLumb'rCo.790
Lord & BurnhamCo. 4th Special Cover..
Matthews. Florist...759
McCullough's J M Sons Co.....755
McKellar Chas W....753
McKissick W E.....755
Mayberry & Hoover.758
Mich Cut Flower Ex.750
Miller Theo.....759
Mills the Florist.....758
Moninger J C Co....790
Moon The Wm HCo.763
Moore Hentz&Nash.757
Morehead Mfg Co...790
Morse C C & Co.....760
Mosbaek L.....773
Murdoch J B & Co ..755
Murray Samuel.....758
Muskogie Carnation Co.....777
Myers & Co..... 782
Natl FloBd ofTrade.774
N Y Cut Flower Ex .757
Niessen Leo Co 755
Niuffer C M.....763
Northern Mich Evg Nursery.....750
Olbertz J.....755
Pacific Seed Co..... II
Paducah Pottery 780
Palethorpe P R Co..780
Palmer W J & Son..758
Park Floral Co.....758
Pennock Meehan Co754
Perennial GardensCo II
Perfection Chem Co.III
Peterson's Nursery..763
Pierson F R Co....I 761
Pierson U Bar Co....790
PittsburgCut Flo Co. 751 755
Pittsburg Florist Ex .755
Poehlmann Bros Co. 753 776
Pollworth C C Co....748 758
Quaker City Machine Works.....790
Randall A L Co.....759
Rawson W W & Co. II
Raynor J I.....557
ReadyRefer'nceAdv.783
Reed & Keller 750
Regan Print House..774
Reinberg Peter..... .....753 769
Rice Bros.....750
Rice James H Co....781
Robertson John.....759
Robinson H M & Co.750
Roehrs Julius Co.....757
Sander & Son 757
Scharff Bros.....773
Scheepers John & Co760
Scherer John P.....757
Schillo Adam.....782
Schroeder 6.....776
Schultheis Anton....774
Schulz Jacob 759
Seligman Jno.....757
SharpPartridge&Co.790
Shellroad Grhs.....777
Sheridan W F..... 757
Shippensburg FloCo.773
Siebrecht & Son.....757
Sinner Bros. 749 753
Situations & Wants..747
Skidelsky S S.....770
Small J H & Sons....759
Smith Nathan & Son.775
Smith W & T Co.... I
Smits Jacs.....763
Sprague Smith Co...781
Standard Pump & Engine Co..... IV
Staer J..... II
Stearns Lumber Co.. IV
Stenzel Glass Co....III
Stern J & Co.....779
Stokes Seed Store...761
Stoothoff H A & Co.781
Storrs & Harrison Co763
Styer J J..... II
Syracuse Pottery Co.780
Taylor F G Seed Co.760
Teilmann Gunnar...777
Thompson J D Carnation Co..... I
Thorburn J M & Co. II
Totty Chas H ...751 757
Traendley & Schenck757
VanHoutte PereSons777
Vaughan & Sperry...753
Vaughan's Seed Store .....I 749 761 777 779
Vick & Hill Co.....763
Vick's Sons Jas..... II
Vincent R Jr & Son..776
Virgin U J.....758
Walker John.....775
Wapler Nicholas....781
Ware Thos S.....763
Wash Florists Co....759
Weber F C.....758
Weber H & Sons....776
Weeber & Don..... II
Weiland & Risch....753
Welch Bros.....755
Whilldin Pot Co.....780
Wiboltt R.....761
Wietor Bros.....752 765
Wild Gilbert H.....763
Wilson Andrew 3 rd Special Cover....
Wilson Robt G.....758
Winandy Bros 790
WintersonEF Co....766
WittboldGeo Co.753 773
Wolf John.....773
Wood Bros.....776
Woods H.....750
Young A L & Co....757
Young Thos.....757
Zech & Mann...648 753



CHEAPEST AND BEST.

If you doubt it try them and be convinced. Send for descriptive price circular.

J. D. Carmody, Evansville, Ind.

Please mention the American Florist when writing

MYERS & CO.
BUILDERS OF
Modern Greenhouses
HEATING
BOILERS.
1122 Betz Bldg.,
PHILA., PA.

Please mention the American Florist when writing.

—THE—
Florists' Hail Association
Insures over 23,000,000 square feet of glass. for particulars address
JOHN G. ESLER, Sec'y, SADDLE RIVER, N. J.

Please mention the American Florist when writing.

Use our patent Iron Bench Fittings and Roof Supports.

IMPROVED VAPORIZING PANS
For Tobacco Extracts, etc. Send for Circulars.
DILLER, CASKEY & CO. SUCCESSORS TO JENNINGS BROTHERS,
S. W. Cor. Sixth and Berk Sts., PHILADELPHIA.

VENTILATING APPARATUS.

Please mention the American Florist when writing

LUMBER for Greenhouse Benches, Ship Lap, Drop Siding, Sheathing, Flooring, White Cedar Posts, Etc.

We are in special position to furnish **"PECKY CYPRESS"** everything in **PINE** and **HEMLOCK BUILDING LUMBER.** WRITE FOR PRICES.

Adam Schillo Lumber Co. Cor. Weed and Hawthorn St., CHICAGO. Tel. North 1626 and 1627.

Please mention the American Florist when writing.

Wired Toothpicks
10,000, $1.50; 50,000, $6.25. Manufactured by
W. J. COWEE, BERLIN, N. Y.
Sample free. For sale by dealers.

ANZEIGERATEN DES AMERICAN FLORIST.

Unsere Anzeigeraten sind: für den Zoll der einzelnen Spalte, $1.00 (M. 4.17); für die Seite, 30 Zoll, $30 (M. 125). Bei mehrmaligen Einrückungen werden Diskontoraten gewährt, wie folgt:

6 Einrückungen..... 5%; 26 Einrückungen..... 20%;
13 Einrückungen..... 10%; 52 Einrückungen..... 30%.

Raum auf den vorderen Seiten und auf der Rückseite des Umschlages wird nur in Jahreskontrakten und zu $1.00 (M. 4.17) den Zoll netto abgegeben. Zahlungen sind mittels Postanweisung erbeten.

TAUX D'ANNONCES DANS L'AMERICAN FLORIST.

Nos taux d'annonces sont $1.00 (Frs. 5-15) par pouce, largeur simple colonne, $30.00 (Frs. 154-50) par page de trente pouces avec escomptes sur les insertions consécutives, comme suit:

6 insertions.....5 pour cent. 26 insertions.....20 pour cent.
13 insertions.....10 pour cent. 52 insertions.....30 pour cent.

La place occupée par des annonces sur la première et la dernière couverture ne s'accorde que par contrat annuel au taux de $1.00 (Frs. 5-15), net, par pouce. Faites remise par Mandat-poste international.

Ready Reference Advertising.

ADVERTISEMENTS IN THIS DEPARTMENT 10 CENTS PER LINE, CASH WITH ORDER.
COPY MUST REACH US MONDAY OF THE WEEK IN WHICH IT IS TO APPEAR

ALTERNANTHERAS.

Alternantheras, red and yellow, $2 per 100; $15 per 1,000. R. Vincent, Jr., & Son, White Marsh, Md.

ALTHEAS.

Althea Edward Bellamy, best double white, 2 to 3 feet, to close out, $5 per 100; $40 per 1,000. The E. Y. Teas Co., Centerville, Ind.

ALYSSUM.

Alyssum, giant, R. C., 75c per 100. Shippensburg Floral Co., Shippensburg, Pa.

ARAUCARIAS.

Araucaria excelsa, 5½-in., 15 ins., 4 to 5 trs., 50c; 5½-in., 15 to 18 ins., 4 to 5 trs., 60c; 5½ to 6-in., 18 to 23 ins., 5 to 6 trs., 75c; 6-in., 23 to 25 ins., 5 to 7 trs., $1; 6 to 7-in., 25 to 30 ins., 5 to 7 trs., $1.25; 7-in. specimens, $1.50 to $2. Compacta Robusta, 6-in., 3 trs., 12 to 14 and 16 to 18 ins., $1 and $1.25; 6 to 7-in., 4 to 5 trs., 18 to 20 and 20 to 25 ins., $1.50, $1.75; 7-in. specimens, 6 to 7 trs., 25 to 30 ins., $2 to $2.50. Excelsa glauca, 6-in., 3 trs., 14 to 16 and 18 to 20 ins., $1 to $1.25; 6 to 7-in., 4 to 5 trs., 20 to 25 and 25 to 30 ins., $1.50, $1.75; 7-in. specimens, 5 trs., 30 to 35 ins., $2 and $2.50. G. Aschmann, 1012 Ontario St., Philadelphia.

Araucaria Excelsa, 6-in., 18 ins., 4 whls., $1.25 each; $15 per doz. 7-in., 22 ins., 5 whls., $1.50 each; $18 per doz. Glauca, 5-in., 12 ins., 3 whls., $1 each; $12 per doz. 6-in., 13 to 15 ins., 3 to 4 whls., $1.25 each; $15 per doz. 7-in., 18 to 20 ins., 4 to 5 whls., $1.50 each; $18 per doz. 7-in., 22 to 24 ins., 4 to 5 whls., $2 each; $24 per doz. 9-in., 30 ins., 4 to 5 whls., $3 each. 9-in., 34 ins., 5 whls., $4 each. Robusta Com., 5-in., 10 ins., 2 whls., $1 each; $12 per doz. 6-in., 12 ins., 2 to 3 whls., $1.50 each; $18 per doz. 7-in., 28 ins., 5 whls., $3 each. 8-in., 32 ins., 5 to 6 whls., $4 each. Vaughan's Seed Store, Chicago and New York.

Araucaria excelsa, 5-in., 3 to 4 trs., 50c to 75c; 5½ to 6-in., 4 to 5 trs., $1 to $1.25; 7-in., $1.50 to $2.50; 8-in., 3½ ft., $3 to $3.50. A. Schultheis, College Point, N. Y.

Araucaria excelsa, 6-in., $9 per doz. Compacta, 7 and 8-in., 3 to 4 trs., $2 each. Robt. Craig Co., Market and 49th Sts., Philadelphia.

Araucaria Excelsa, 6-in., 3 to 4 tiers, $1 each; $12 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Araucaria excelsa. R. Dreyer, Woodside, L. I., N. Y.

Araucarias. L. Van Houtte Pere, Ghent, Belgium.

ASPARAGUS.

Asparagus plumosus, 2-in., $3 per 100; $25 per 1,000. 2½-in., $4 per 100; $40 per 1,000; 3-in., $7 per 100; $65 per 1,000. Strong seedlings, $1.50 per 100; $12 per 1,000. Vaughan's Seed Store, Chicago and New York.

Asparagus plumosus, 2¼-in., $2.50; 3-in., $5; 4-in., $8. Sprengeri, 2¼-in., $2.50; 3-in., $4; 4-in., $6; per 1,000, $55. All strong plants, ready for larger pots. Goshen Floral Co., Goshen, Ind.

Asparagus plumosus, 2-in., $3 per 100; 3-in., $6. Sprengeri, 2-in., $3 per 100; 3-in., $6; 4-in., $1.25 per doz.; 5-in., $2. George Wittbold Co., 1657 Buckingham Pl., Chicago.

Asparagus plumosus nanus, 15,000 fine young plants from 2¼-in. pots, worth $3, to close out, $1.50 per 100; $15 per 1,000. The W. T. Buckley Co., Springfield, Ill.

Asparagus plumosus, 4-in., $1.50 per doz.; 4½-in., $2 per doz.; extra large 4½-in., $3 per doz. Sprengeri, $5 per 100. A Schultheis, College Point, N. Y.

Asparagus plumosus, 2½-in., $4 per 100; $30 per 1,000; 3-in., $7 per 100; $60 per 1,000. Robt. Craig Co., Market and 49th Sts., Philadelphia.

Asparagus plumosus and Sprengeri, 4-in., $8; 3-in., $5; 2¼-in., $2.50; 2-in., $2 per 100. Ludvig Mosbaek, Onarga, Ill.

Asparagus plumosus, 4-in., Bushy, 10c to 12c. Sprengeri, 4-in., 10c. G. Aschmann, 1012 Ontario St., Philadelphia.

Asparagus plumosus, 3-in., $5 per 100. Sprengeri, 3½-in., $6 per 100. Scharff Bros., Van Wert, O.

Asparagus plumosus, 2-in., $2.50 per 100; $20 per 1,000. W. F. Kasting, 383 Ellicott St., Buffalo, N. Y.

Asparagus plumosus, 2¼-in., $2 per 100; $18 per 1,000. Jos. H. Cunningham, Delaware, O.

Asparagus plumosus, 2¼-in., $3; 3-in., $5. W. H. Gullett & Sons, Lincoln., Ill.

Asparagus Sprengeri, 3½-in., $5 per 100. Plumosus, 3½-in., $6 per 100. Poehlmann Bros. Co., Morton Grove, Ill.

Asparagus Sprengeri, 2½-in., $3 per 100; $25 per 1,000. Field clumps, $6 per 100. J. W. Dunford, Clayton, Mo.

Asparagus Sprengeri, 2-in., $2.50 per 100; plumosus, 2-in., $3 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus Sprengeri, 2½-in., $2 per 100. Byer Bros., Chambersburg, Pa.

AZALEAS.

Azalea indica, leading varieties, 35c, 40c, 50c, 60c, 75c, $1, $1.25 to $1.50 each. G. Aschmann, 1012 Ontario St., Philadelphia.

Azaleas. Cottage Gardens Co., Queens, L. I., N. Y.

Azaleas. L. Van Houtte Pere, Ghent, Belgium.

Azaleas. Jacs Smits, Ltd., Naarden, Holland.

BAY TREES.

Bay trees, pyramids, 50 to 60 ins., $14 per pair; 65 to 70 ins., $16 to $18 per pair. A. Schutheis, College Point, N. Y.

Bay trees. fine stock. R. Dreyer, Woodside, L. I., N. Y.

Bay trees, all sizes. Bobbink & Atkins, Rutherford, N. J.

Bay trees. L. Van Houtte Pere, Ghent, Belgium.

BEGONIAS.

Begonias Gloire de Lorraine, 6-in., 50c; 3-in., 20c. Begonia Flambeau, 4-in. pots, 20c. B. Erfordii, 4-in., 15c. G. Aschmann, 1012 Ontario St., Philadelphia.

Begonias, Rex., 3-in., $8; 4-in., $15. Blooming begonias, 3-in., $7.50. Geo. A. Kuhl, Pekin, Ill.

Begonias. Thos. S. Ware, Ltd., Feltham, England.

Rex begonias, 3-in., 8c. Byer Bros., Chambersburg, Pa.

Begonia Rex, 2 and 2½-in., $5 per 100. Geo. M. Emmans, Newton, N. J.

Begonias. L. Van Houtte Pere, Ghent, Belgium.

BOUGAINVILLEAS.

Bougainvilleas, Glabra Sanderiana, 4-in., $20 per 100. Storrs & Harrison Co., Painesville, O.

BULBS, ROOTS, TUBERS.

Bulbs, Narcissus, Cynosure or Stella, P. ornatus, 60c per 100; $5 per 1,000. Poeticus, 40c per 100; $3.50 per 1,000. Grand Monarque, $1.10 per 100; $10 1,000. Staten General, $1.50 per 100; $12 per 1,000. Trumpets, Princeps, 75c per 100; $6.50 per 1,000. Trumpet Major, 85c per 100; $7 per 1,000. Horsfieldi, $1.50 per 100; $14 per 1,000. Emperor, $1.60 per 100; $15 per 1,000. Empress, $2 per 100; $18 per 1,000. Golden Spur, $1.00 per 100; $14 per 1,000; Mixed Trumpet, $1.20 per 100; $10 per 1,000. Dbl., alba plena odorata, Incomparable, 60c per 100; $5 per 1,000. Dbl. Roman, 75c per 100; $6.50 per 1,000. Hyacinths, Dutch Roman or Minature, named sorts. La Grandesse, L'Innocence, gigantea, C. Dickens, Gertrude, Grand Maitre, $1.70 per 100; $16 per 1,000. Tulips, Belle Alliance, $1.85 per 100; $17 per 1,000. Cottage Maid, 85c per 100; $7.50 per 1,000. D. de Parme; Duc V. Thol, scarlet, $1 per 100; $9 per 1,000, red and yellow, 90c per 100; $8 per 1,000. La Reine, 75c per 100; $6.50 per 1,000. Von Delft, 75c per 100; $6.75 per 1,000. Joost Van Vondel, $1.25 per 100; $10 per 1,000. L'Immacule, 60c per 100; $5.75 per 1,000. Pottebalker, $1.50 per 100, $13 per 1,000. Wouwerman, $1.50 per 100; $12 per 1,000. Yellow Prince, 75c per 100; $6.50 per 1,000. Single mixed, 60c per 100; $5 per 1,000. Double, 75c per 100; $6 per 1,000. D. V. Thol, red and yel., 75c per 100; $6 per 1,000. La Candeur, $1 per 100; $9 per 1,000. Rex rubrorum, $1.25 per 100; $11 per 1,000. Tournesol, red and yel., $1.25 per 100; $12 per 1,000. All colors mixed, $1.50 per 100; $14 per 1,000. Dutch, select in sep. colors, $2.25 per 100; $20 per 1,000. Early French Roman, rose and blue, $1.50 per 100; $14 per 1,000. Lilies, longiflorum multi., 7-9, $5 per 100; $45 per 1,000; 9-10, $7 per 100; $65 per 1,000; 10-11, $8 per 100. H. H. Berger & Co., 47 Barclay St., New York.

Bulbs, Dutch hyacinths, about $2 per 100: Blondin, La Grandesse, L'Innocence, Baron Von Thuyll, Gertrude, Czar Peter, Mme. Van der Hopp, Chas. Dickens, Grand Maitre. Single hyacinths, separate colors, $2.75 per 100: White and blush, rose, red and rose, pure white, light blue. Double hyacinths, sep. colors, $2.75 per 100; rose, red and rose, pure white, white and blush, light blue. Narcissus, Incomparable, Orange Phœnix, Empress, Princeps, Emperor, Grand Primo, Soleil d'Or, Ard Righ. Tulips, from 1,500 to 3,000 of each: Duchess of Parma, Mon. Tresor, Picotee, Artus, Thos. Moore, Rose Gris de Lin, Vaughan's New Pink, Rosa Mundi, Crimson King, Gesneriana, Joost Van Vondel, Princess Marie Ann, Pottebakker, Yellow Prince, Belle Alliance, Proserpine, Cottage Maid, Dusart, Duc Von Thol, gold striped and scarlet, Rembrandt, Bouton d'Or, Gold Finch, La Reine, Jagt Von Delft, single early mixed, single late mixed; double named; Murillo, Tournesol, red and yellow, Crown d'Or, Rex Rubrorum, Imperator Rubrorum, Rosine, Rose Blanche, dbl. early extra mixed, dbl. early fine mixed, dbl. late extra mixed. Parrot tulips, 4 kinds. Vaughan's Seed Store, Chicago and New York.

Bulbs, L. longiflorum, 7 to 9 ins., $5 per 100; $45 per 1,000; 8 to 10 in., $7 per 100; $68 per 1,000. Hyacinths, tulips, narcissi. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Bulbs of all kinds. Currie Bros. Co., 308 Broadway, Milwaukee, Wis.

If you do not find what you need in our Ready Reference Department, write us about it

Bulbs, freesias, ¾-in., 85c per 100; $7.50 per 1,000; giant, $1.25 per 100; $10 per 1,000. Tulips, Belle Alliance, $2 per 100; $19 per 1,000; Chrysolora, 85c per 100; $7.75 per 1,000; Fireflame, $1.15 per 100; $10 per 1,000; L'Immacula, 75c per 100; $6.50 per 1,000; Pottebakker, $1.65 per 100; $15 per 1,000; white and yellow, $1.40 per 100; $12.75 per 1,000; Rosamundi, 95c per 100; $8 per 1,000; Yellow Prince, 95c per 100; $8.50 per 1,000; Duc von Tholl, dbl., 90c per 100; $7.50 per 1,000; La Canduer, $1.40 per 100; $12.75 per 1,000; Murillo, $1.95 per 100; $18 per 1,000; Rex rubrorum, $1.80 per 100; $16.50 per 1,000; Tournesol, $1.80 per 100; $16.50 per 1,000. Perennial Gardens Co., Toledo, O.

Bulbs, lilies, Japan longiflorum, 9 to 10 in., case of 200, $15; multiflorum, 7 to 9 in., case 300, $15; 9 to 10 in., case 200, $17; giganteum, 7 to 9 in., case 300, $18.75; 9 to 10 in., case 200, $21. Lilium candidum, $5 per 100. Narcissus, Paper White grandi., 13 to 15 ctm., case of 1,250, $11.25; dbl., Von Sion, extra, $12; mammoth, $20; Princeps, $7 per 1,000; Golden Spur, $18; Empress, $20; Alba plena odorata, $6; Barri, con., $8; Poeticus, $4.50; P. ornatus, $7. White Roman hyacinths, 13 to 15 ctm., $28. Freesia refracta alba, $7.50 per 1,000. Bermuda Buttercup, oxalis, $7.50. Spanish Iris, mixed, $2.50. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Bulbs, white Roman hyacinths, 12x15 ctms., $2.75 per 100; $25 per 1,000; 13x15 ctms., $3.75 per 100; $35 per 1,000; 15 and over, $5 per 100; $45 per 1,000. Tulips in var. W. W. Rawson & Co., 5 Union St., Boston.

Bulbs, Roman hyacinths, 12 to 15, $2.50 per 100. Narcissus, Von Sion, $1 per 100; Trumpet Major, 75c per 100; Incomparable, 80c per 100. Storrs & Harrison, Painesville, O.

Bulbs, P. W. narcissus, 13-15 ctm., 1,300 to case, $7 per 1,000, case lots only; less, $8 per 1,000. Stokes Seed Store, 219 Market St., Philadelphia.

Bulbs, Chinese sacred lilies, select, 60c per doz.; basket 30 bulbs, $1.25; per 1,000, $30. Dingee & Conard Co., West Grove, Pa.

Bulbs, Narcissus Empress and Henry Irving, Candidum lilies. E. F. Winterson Co., 45 Wabash Ave., Chicago.

Bulbs, hyacinths, tulips, narcissus, crocus, lilies, freesias. Jas. Vick's Sons, Rochester, N. Y.

Cannas, dormant, 2 and 3 eyes, Bronze leaved, Black Beauty, David Harum, Discolor, Egandale, L. Vaughan, M. Valiante, Robusta, Shenandoah, A. Bouvier, Poitevine, Chas. Henderson, Chicago, Duke of Marlborough, Explorateur Crampbell, Milwaukee, Papa Nardy, E. Hoss, F. Vaughan, Niagara, Q. Charlotte, Souv. d'Anthony, Crozy, B. Ross, L. Patry, Berat, Sec. Chabanne, Coronet. Mont Blanc. orchid flowering, Allemania, Austria, Burbank, Italia, Kate Gray, King Humbert, Partenope, Pennsylvania. Ludvig Mosbaek, Onarga, Ill.

Cannas. Thos. S. Ware, Ltd., Feltham, England.

Cannas. John Wolf, Ott and Anderson St., Savannah, Ga.

Lily of the valley, Excellenta, per original case of 500, $7. John Scheepers & Co., 2-6 Old Slip, New York.

Lily of the valley, pips for forcing, $1.50 per 100; $14 per 1,000. H. N. Bruns, 1409 W. Madison St., Chicago.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

CARNATIONS.

CARNATIONS.

	100	1,000		100.	1,000
Pink.			White.		
Fiancee	$6		B. Market	$5	$45
Lawson	6	$50	F. Burki	7	60
N. Fisher	7	60	F. Hill.	5	45
G. Angel	4	35	W. Cloud.	5	45
M. Glory	4	35	Red and Crimson.		
White.			Chicago	$5	$45
L. Peary	8	75	H'warden	6	50

Wietor Bros., 51 Wabash Ave., Chicago.

Carnations, Norway, $3 per 100. W. H. Gullett & Sons, Lincoln, Ill.

Carnations, highland grown, F. Hill, $4.50 per 100; Crusader, M. A. Patten, $5 per 100; Prosperity, M. Glory, $4 per 100; $35 per 1,000. Glacier, W. Cloud, Harlowarden, Roosevelt, Peru, $3.50 per 100; $30 per 1,000. Crabb & Hunter, Grand Rapids, Mich.

Carnations, rooted cuttings, Red Chief, Bonnie Maid, Aristocrat, $12 per 100; $100 per 1,000. Rose Pink Enchantress, $7 per 100; $60 per 1,000 White Perfection, $6 per 100; $50 per 1,000. F. Dorner & Sons Co., La Fayette, Ind.

Carnation Victory, field-grown, 1st size, $15 per 100; 2nd size, $12; 3rd size, $10. Guttman & Weber, 43 W. 28th St., New York.

Carnations, Rose Pink Enchantress, rooted cuttings, $7 per 100; $60 per 1,000. S. S. Skidelsky, 824 No. 24th St., Philadelphia.

Carnations, Pink Imperial, cuttings, $2.50 per doz.; $12 per 100; $100 per 1,000. John E. Haines, Bethlehem, Pa.

Carnations, Aristocrat, rooted cuttings, $12 per 100; $100 per 1,000. Chicago Carnation Co., Joliet, Ill.

Carnation Abundance, rooted cuttings ready Jan. 1. R. Fischer, Great Nick, L. I., N. Y.

Carnations, 1,500 Norway, $3.50 per 100; $30 per 1,000. J. W. Dunford, Clayton, Mo.

Carnations, Lady Bountiful and Phyllis. E. F. Winterson Co., 45 Wabash Ave., Chicago.

Carnation Mabelle, new, $12 per 100; $100 per 1,000. H. Weber & Sons Co., Oakland, Md.

Carnations, hardy plants from frames, $2 per 100. Byer Bros., Chambersburg, Pa.

Carnation, Bertha Rath. R. Dreyer, Woodside, L. I., N. Y.

Carnations for fall delivery. Wood Bros., Fishkill, N. Y.

Carnations. J. D. Thompson Carnation Co., Joliet, Ill.

Carnations, leading vars. A. M. Herr, Lancaster, Pa.

CHRYSANTHEMUMS.

Chrysanthemums, stock plants, Alice Byron, C. Touset, Appleton, Dr. Enguehard, Dr. Galloway, E. Fitzroy, Femina, Geo. W. Childs, Ivory, Nonin, Lord Hopetoun, Monrovia, Matchless, Mrs. H. Robinson, Mrs. Coombes, Opah, Polly Rose, Roi d' Italic, T. Eaton, Yellow Eaton, $1 per doz. Mary Mann, $2 per doz. Mrs. G. Buch, $2 per doz. E. G. Hill Co., Richmond, Ind.

Chrysanthemums, stock plants, C. Touset, Nonin and Moneymaker, 15c each; $1.50 per doz.; $12 per 100. Monrovia, Pacific, Bonnaffon, white and yellow, Eaton, Mrs. Weeks, V-Morel, J. K. Shaw, A. Byron, Galloway, B. Wells, Enguehard, Golden Age, Yanoma, Chadwick, 10c each; $1 per doz.; $6 per 100. Gunnar Teilmann, Marion, Ind.

Chrysanthemums, Wm. Simpson, Polly Rose, Glory of Pacific, Ivory, white and pink, Major Bonnaffon, Halliday, M. Dean, Adelia, V-Morel, L. Queen, Yel. Jones, Queen, S. Wedding, Childs, Dr. Enguehard, Alma, 75c per doz.; $5 per 100. John Walker, Youngstown, O.

Chrysanthemums, stock plants, C. Touset, $1.25 per doz. Nonin, $2 per doz. Appleton, Monrovia, Opah, Alice Byron, Golden Chadwick, W. Chadwick, V-Morel, E. Fitzroy, Dr. Enguehard, J. Marshall, O. P. Bassett, L. Mountford, $1 per doz. Lambert Floral Co., Xenia, O.

Chrysanthemum novelties, White Sport of Duckham, Mrs. A. T. Miller, Moneymaker, Rose Lawrence, Mary Godfrey, Buttercup, Miss Miriam Hankey, Mrs. Henry Barnes and many others. Chas. H. Totty, Madison, N. J.

Chrysanthemums, Willowbrook, Robt. Halliday, Robinson, Alice Byron, Appleton, Ivory, Bonnaffon, Negoya, Golden Chadwick, W. H. Chadwick, Omega, 60c per doz.; $3 per 100. H. F. Port, Maywood, Ill.

Chrysanthemums, stock plants of the following varieties at $4 per 100; Kalb, Glory of Pacific, Polly Rose, Pink Ivory, White Ivory, Wm. Duckham, Maud Dean, Marie Layer, Dr. Enguehard, A. J. Balfour, Alice Byron, R. Halliday. W. H. & C. B. Newman, Akron, N. Y.

Chrysanthemums, select plants, Golden Wedding, Polly Rose, Mrs. Chadwick, Col. Appleton, Ben Wells, O. P. Bassett, N. Pockett, Wm. Duckham, V-Morel, Robinson, 60c per doz.; $4 per 100. Cash. McRae-Jenkinson Co., Cheswick, Pa.

Chrysanthemums, C. Touset, Nonin, $1 per doz.; $7 per 100; $60 per 1,000. Pacific, Estelle, Willowbrook, Halliday, Kalb, L. Harriet, 60c per doz.; $4 per 100. Eggeling Floral Co., 1653 S. Grand Ave., St. Louis, Mo.

Chrysanthemums, stock plants, Rosiere, $1.50 per doz. Emereter, Merstham, C. Touset, $1 per doz. Monrovia, Omega, M. Bergman, Willowbrook, 75c per doz. Eli Cross, Grand Rapids, Mich.

Chrysanthemums, stock plants, Estelle, October Sunshine, J. K. Shaw, 75c per doz.; $6 per 100. W. H. Gullett & Sons, Lincoln, Ill.

Chrysanthemums, stock plants, Touset, $7 per 100. Roi de Italia, $5 per 100. W. A. Chalfant, Springfield, Mo.

Chrysanthemums, baby, 7-in. azalea pots, 50c each. Robt. Craig Co., Market and 49th St., Philadelphia.

Chrysanthemums, leading foreign and American varieties. Nathan Smith & Son, Adrian, Mich.

Chrysanthemums. Wood Bros., Fishkill, N. Y.

Chrysanthemums. Geo. A. Kuhl, Pekin, Ill.

CIBOTIUMS.

Cibotium Scheidei, specimens, $25 per pair. Robt. Craig Co., Market and 49th Sts., Philadelphia.

CINERARIAS.

Cineraria, Benary, Cannell, Sutton's strain, all colors mixed, 2¼-in., $2.50 per 100. Shellroad Greenhouses, Grange, Baltimore, Md.

COBOEA.

Coboea Scandens, 4-in., $8 per 100. Godfrey Aschmann, 1012 Ontario St., Philadelphia, Pa.

COREOPSIS.

Coreopsis grandi, 3c. M. Kohankie, Painesville, O.

CROTONS.

Crotons, 4-in., $3 per doz.; $25 per 100; 5-in., $6 per doz.; $50 per 100; 6-in., 75c and $1 each. Made-up pans, $1.50, $2, $3, $5, $6 and $7.50 each. Robt. Craig Co., Market and 49th Sts., Philadelphia.

CYCLAMENS.

Cyclamen plants, giganteum strain, seed taken of exhibition stock only, 3-in., $7 per 100, well set with buds. C. Winterich, Cyclamen Specialist, Defiance, O.

Cyclamen, 5-in., 20c; 4-in., 12c. G. Aschmann, 1012 Ontario St., Philadelphia.

Cyclamen, high grade, 3-in., $8; 4-in., $20. Geo. A. Kuhl, Pekin, Ill.

DAHLIAS.

Dahlias, improved Countess of Lonsdale, cactus type, 6 for $1; $1.75 per doz.; $12 per 100. Arthur T. Boddington, 342 W. 14th St., New York.

Dahlias, field clumps, 10 varieties, $5 per 100. Cash. McRae-Jenkinson Co., Cheswich, Pa.

Dahlias. Thos. S. Ware, Ltd., Feltham, England.

DAISIES.

Daisies, Longfellow and Snowball, $2 per 1,000. Shippensburg Floral Co., Shippensburg, Pa.

If you do not find what you need in our Ready Reference Department, write us about it.

The Transvaal Daisy (Gerbera Jamesoni). The handsomest brilliant scarlet flowered herbaceous plant in existence. Strong field-grown clumps, $12 per 100. Bobbink & Atkins, Rutherford, N. J.

Daisies, dbl., leading vars., $2.50 per 1,000. Byer Bros., Chambersburg, Pa.

DEUTZIAS.

Deutzias, in variety. W. & T. Smith Co., Geneva, N. Y.

DRACAENAS.

Dracæna fragrans, 5-in., 50c each; $5 per doz.; D. indivisa, 2-in., $2.50 per 100; 6-in., 20 to 26 ins., 50c each; $5 per doz.; 7-in., 30 to 34 ins., 75c each; $9 per doz.; D. Terminalis, 2-in., $1 per doz.; 3-in., $1.50 per doz.; 6-in., $9 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Dracænas, fragrans, 6-in., $6 per doz.; 7-in., $9; 8-in., $15 per doz. Lindeni, 6-in., $9 per doz.; 7-in., $12 per doz.; Indivisa, 4-in., $10 per 100; 5½-in., $20 per 100; Terminalis, 5-in., $4 per doz.; 5½-in., $5 per doz.; 7-in., $15 per doz. A. Schultheis, College Point, N. Y.

Dracæna, indivisa, field-grown, 5-in., $15 per 100; 6-in., $25 per 100. Storrs & Harrison Co., Painesville, O.

Dracæna Bruanti, 30-in., 6-in. pots, 50c each; $5 per doz. G. Aschmann, 1012 Ontario St., Philadelphia.

Dracæna Sanderiana, 2½-in., $12 per 100. Robt. Craig Co., Market and 49th Sts., Philadelphia.

Dracæna indivisa, 4 and 5 in., $10 and $25 per 100. Geo. M. Emmans, Newton, N. J.

FERNS.

Ferns, Adiantum hybridum, 8-in. pans, 2 ft. spread, $1.25 each; 7-in., 50c each. Scottii, 5-in., $4.50 per doz.; $35 per 100; 6-in., $6 per doz.; $50 per 100; 7-in., $9 per doz.; $75 per 100; 8-in. pans, $1 each. N. Elegantissima, 8-in. pans, $1.25 each; 6-in. pots, 75c each; 5-in., 50c each; 2½-in., $8 per 100; $75 per 1,000. Whitmani, 6-in. pots, $1 each; $10 per doz.; 8-in., $1.25 each; $14 per doz.; N. Barrowsii, 5-in., 35c; 6-in., 75c; 8-in., $1.25 each. Boston, 8-in., $12 per doz. Robt. Craig Co., Market and 49th Sts., Philadelphia.

Ferns, Boston, 2½-in., 60c per doz.; $5 per 100. 3-in., $1.50 per doz.; $10 per 100. 4-in., $2.50 per doz.; $20 per 100. 5-in., 50c each; $5 per doz.; $40 per 100. 6-in. pans, 75c each; $8 per doz.; $60 per 100. 7-in., $1 each; $10 per doz.; $75 per 100. 8-in., $1.50 each. $15 per doz. 9-in., $2 to $2.50 each. 10-in., $3 to $3.50 each. 12-in., $4 to $5 each. Ferns for dishes, asst., 2¼-in., $3 per 100; $25 per 1,000. Vaughan's Seed Store, Chicago and New York.

Ferns, Boston, 5-in., $3 per doz.; 6-in., $5 per doz.; 6½-in., $9 per doz.; 8-in., $15 per doz.; 11-in., $2.50 to $3 each. Specimens, 12-in., $5, $6 and $7 each; 14-in. $15 per pair. Scottii, 5½-in., $3 per doz.; 6-in., $6 per doz.; 7 and 8-in., $12 per doz. Elegantissima, 5½-in., $5 per doz. Whitmani, 4½-in., $6 per doz. Piersoni, 5-in., $4 per doz.; 6-in., $6 per doz.; 6½-in., $9 per doz.; 7-in., $12 per doz. A. Schultheis, College Point, N. Y.

Ferns, Barrowsii, 7-in., 75c to $1 each; 6-in., 50c; 5½-in., 40c; 5-in., 35c; 4-in., 25c. Scottii, 8-in., $1.25; 7-in., 75c; 6-in., 50c; 5½-in., 40c; 4-in., 20c. Elegantissima, 5-in., 30c. Boston, 7-in., 75c; 6-in., 50c; $5 per doz.; 5-in., 30c to 35c; 4-in., 20c. Ferns for dishes, 2½-in., $5 per 1000; 3-in., $6. G. Aschmann, 1012 Ontario St., Philadelphia.

Ferns, Boston, strong runners, $2 per 100. Piersoni, 6-in., $40 per 100; 7-in., $60. Scottii, 5-in., $25 per 100; 6-in., $40 per 100; 7-in., $60 per 100. Elegantissima, 2½-in., $5 per 100. Whitmani, young plants from bench, $10 per 100. Davis Bros., Morrison, Ill.

Ferns, Piersoni, 6-in., 35c; 5-in., 25c; 4-in., 15c. Boston, 5-in., 25c; 4-in., 15c. Scottii, 5-in., 30c; 4-in., 20c. Anna Foster, 2½-in., 4c. Benj. Connell, West Grove, Pa.

Ferns, Boston, 4-in., $1.50 per doz.; 5-in., $3; 6-in., $4.20; 6-in., strong, $6; 7-in., $9. Large specimens, $1.50, $2, $3 each. Assorted ferns for dishes, $3 per 100; $25 per 1,000. Scottii, 10-in., $2 each. Fern Balls, 7 to 9 dormant or in leaf, $4.20 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Ferns, Boston and Piersoni, 4-in., 10c; 5-in., 12½c; Boston, 6 and 7-in., 15c; 3-in., 5c; Tarrytown, 3-in., 10c; 4-in., 15c; 6-in., 25c; runners, $2 per 100; Scottii, 3-in., 8c; 4-in., 12½c; 5-in., 15c. Byer Bros., Chambersburg, Pa.

Ferns, Whitmani, runners from bed, $7 per 100; $60 per 1,000; 3-in., $10 per 100; $90 per 1,000. Scottii, runners from bed, $25 per 1,000; 3-in., $40 per 1,000. Wm. K. Harris, 55th St. and Springfield Ave., Philadelphia.

Ferns, N. Piersoni Elegantissima, 2¼-in. pots, $12 per 100; specimen plants, 6-in., $1 each; 8-in., $2; 10-in., $3; 12-in., $5; 14-in., $7.50; 16-in., $10. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns, Boston, 4-in., 10c; 5-in., 12½c; 3-in., 5c; Tarrytown, 3-in., 10c; 4-in., 15c; 6-in., 25c; runners, $2 per 100; Scottii, 3-in., 8c; 4-in., 12½c. Byer Bros., Chambersburg, Pa.

Ferns, Boston, Piersoni, Anna Foster, and Sword, pot grown, 2¼, 3, 4 and 6-in., $3.50, $8, $15 and $40 per 100. Ludvig Mosbaek, Onarga, Ill.

Ferns, for dishes, fine plants, 2½-in., $3 per 100; $25 per 1,000; 3-in., $5 per 100; $45 per 1,000. Gus Adrian, Clifton, Cincinnati, O.

Ferns, N. Whitmani, 2¼-in., $25 per 100. Boston, 2¼-in., $3 per 100. H. H. Barrows & Sons. Whitman, Mass.

Ferns, Boston, from bench, for 4 and 5-in., $10 and $15 per 100. J. W. Dunford, Clayton, Mo.

Ferns, orders booked now for N. Amerpohlii, Janesville Floral Co., Janesville, Wis.

Ferns, Boston, Piersoni, Elegantissima, Scottii, cheap. W. W. Coles, Kokomo, Ind.

Ferns, Boston, 5-in., 30c each. Piersoni, 6-in., 50c each. Geo. M. Emmans, Newton, N. J.

Ferns, Boston, 5-in., $25; Specimens, 75c and $1. W. H. Gullett & Sons, Lincoln, Ill.

Ferns, Boston, 4 and 5-in. John Wolf, Ott and Anderson St., Savannah, Ga.

Ferns, Scottii, 5-in., $25 per 100. Holton & Hunkel Co., Milwaukee, Wis.

Ferns, A. Hybridum, 2¼-in., $5 per 100. A. Ley & Bro., Langdon, D. C.

Ferns, all leading varieties. R. Dreyer, Woodside, L. I., N. Y.

Ferns, Boston, Piersoni, Barrowsii, Scottii, Whitmani, Elegantissima, all sizes. Geo. A. Kuhl, Pekin, Ill.

FICUS.

Ficus, 6-in., $6 per doz.; 6½-in., branched, $9 per doz.; 6½-in., single, $8 per doz.; 7-in., branched, $9 per doz.; 10-in., 3 in pot, $2 to $2.50 each. A. Schultheis, College Point, N. Y.

Ficus pandurata, 2½ to 3 ft., $3 each; 3½ to 4 ft., $4; 4½ to 5 ft., in tubs, $7.50; branched plants $4, $5 and $7.50 each. Robt. Craig Co., Market and 49th Sts., Philadelphia.

Ficus, 6-in., 25 to 30 ins., 40c to 50c each. G. Aschmann, 1012 Ontario St., Philadelphia.

Ficus elastica, 5-in., 12 to 14 ins., $5 per doz.; $40 per 100. Vaughan's Seed Store, Chicago and New York.

GARDENIAS.

Gardenia Veitchii 5 and 6-in., 50c, 75c and $1 each. Robt. Craig Co., Market and 49th Sts., Philadelphia.

GERANIUMS.

Geraniums, unrooted cuttings, S. A. Nutt, $1 per 100, cash. McRae-Jenkinson Co., Cheswick, Pa.

Geraniums, leading vars. A. M. Herr, Lancaster, Pa.

Geraniums, from 2-in. pots. Alliance, Lemoine, 1905, 25c each; $2 per doz. Fleuve Blanc, $1.50 per doz.; $10 per 100. Cactus, 4 vars., $2 per doz., $15 per 100. Double Dryden, $1 per doz.; $5 per 100. Nutt, La Pilote, Poitevine, Mme. Barney, Centaure, Kendall, Mme. Jaulin, Viaud, Mme. Charotte, 40c per doz.; $2 per 100; $18 per 1,000. Ville de Poitiers, M. de Castellane, Berthe de Presilly, M. Jolly de Bammeville, T. Meehan, 50c per doz.; $3 per 100; $25 per 1,000. R. Vincent, Jr., & Son, White Marsh, Md.

Geraniums, S. A. Nutt, Castellane, John Doyle, Perkins, Double Gen. Grant, La Favorite, Poitevine, 2-in. pots, $2 per 100; R. C., $1 per 100. Geo. M. Emmans, Newton, N. J.

GLOXINIAS.

Gloxinias. L. Van Houtte Pere, Ghent, Belgium.

GREENS.

Greens, wreathing, standard, per coil, 20 yds., 60c; light weight, 50c; standard dyed, 60c; light weight, 50c. Wreaths, holly, Delaware, $1.10 per doz.; Southern, $1 per doz.; evergreen mixed, $1 per doz. Evergreen, plain, $1 per doz.; with immortelles, $1.10 per doz. Galax, green or bronze, 90c per doz.; with immortelles, $1 per doz.; magnolia wreaths, $1 per doz.; with immortelles, $1.10 per doz. Delaware holly, per crate, $4 to $4.50; Southern, $3.25 to $3.75. Mistletoe, per lb., 20c. Needle pines, per doz., $1.50. Galax leaves, per 1,000, $1. California pepper boughs, per crate, $4.50. Magnolia leaves, per barrel, $6.50. H. Woods Co., 127 S. Water St., Chicago.

Greens, dagger and fancy ferns, $1.25 per 1,000. Bronze and green galax, $1 per 1,000; 10,000 lots, $7.50. Bouquet green, per 100 yds., $7. Laurel festooning, 5c and 6c per yd. Laurel wreaths, $3 per doz.; branch laurel, per bunch, 5c. Boxwood, per lb., 20c. Leucothoe sprays, per 100, $1. Green and Spaghnum moss, $1 per barrel. Lyrata (new). H. M. Robinson & Co., 8 Province St., Boston, Mass.

Greens, holly and holly wreaths, choice Delaware, $3 per case; wreath, 10c and 12c. Laurel roping, 3c per yd. Harry L. Hubbs, N. E. cor. 34th and Cumberland St., Philadelphia.

Greens, cut ferns, fancy and dagger, 90c per 1,000. Bouquet green, $7.50 per 100 lbs. Xmas trees by car load or small lots. Sphagnum Moss, 50c per sack. Thos. Collins, Hinsdale, Mass.

Holly, Delaware holly, Lycopodium and a full line of Xmas green decorations. Buy in Denver and get quick delivery. Price list now ready. Barteldes Seed Co., Denver, Col.

Greens, holly, bouquet green, laurel, mistletoe, needle pines, wreathing, holly and evergreen wreaths, etc. Vaughan's Seed Store, Chicago and New York.

Greens, galax, leaves, ferns and leucothoe sprays, holly. Princess pine, all kinds of evergreens. Galax leaves, $1 per 1,000. N. Lecakes & Co., 53 W. 28th St., New York.

Greens, cut palmetto and cycas palm leaves, galax, leucothoe, ferns, mosses and all decorating evergreens. The Kervan Co., 20 W. 27th St., New York.

Decoration Material, fancy fern leaves, also galax, green sheet moss, etc. Ask for latest price list. Barteldes Seed Co., Denver, Col.

Greens, holly, bouquet green, mistletoe, evergreen wreathing, etc. E. F. Winterson Co., 45-49 Wabash Ave., Chicago.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 52 W. 28th St., New York.

Greens, fancy ferns, $1 per 1,000. Galax, $1.25. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. A. J. Fellouris, 52 W. 28th St., New York.

Greens, Beaven's fadeless sheet moss, $3.50 per bag. Southern wild smilax. E. A. Beaven, Evergreen, Ala.

If you do not find what you need in our Ready Reference Department, write us about it.

Greens, evergreens, galax, ferns, decorative supplies, moss. Jno. P. Scherer, 636 Garden St., Union Hill, N. J.

Greens, bouquet green and Christmas trees. Northern Mich. Evergreen Nursery, Clark St. Bridge, Chicago.

Greens, Southern wild smilax. Caldwell The Woodsman Co., Evergreen, Ala.

Greens, wild smilax, Bermuda grass sets. F. & S. Lee, Marion, Ala.

HARDY PERENNIALS.

Iris Germanica, Mme. Chereau, Gracchus, Fiorentine, Socrates, Duchess de Nemours, Dr. Bernice and 20 others, $2.50 per 100; $22.50 per 1,000. Hemerocallis in 10 vars., $3.75 per 100; $30 per 1,000. Delphinium Belladonna, 1 yr., plants, $6.25 per 100; $57.50 per 1,000; 3 yr., clump, $8.75 per 100; $75 per 1,000. Chrysanthemum maximum King Edward, largest white Marguerite, strong from ground, $8.75 per 100. Lythyrus latifolius White Pearl, from ground, $12.50 per 100. Thos. S. Ware, Ltd., Feltham, England.

Hardy Perennials, German iris, asst. colors; golden glow (Rudbeckia), Baltonia, white and pink, $1 to $5 per 100 clumps. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Hardy pinks, field-grown, Essex Witch, M. Gray, Abbottsford, 3½c. Byer Bros., Chambersburg, Pa.

Phlox, iris, pinks, etc. Vick & Hill, Rochester, N. Y.

HELIOTROPE.

Heliotrope, blue, R. C., 75c per 100. Shippensburg Floral Co., Shippensburg, Pa.

HIBISCUS.

Hibiscus Syriacus Meehani. P. J. Berckmans Co., Inc., Augusta, Ga.

HOLLYHOCKS.

Hollyhocks, dbl., 4 colors, 1-yr., 3c. Byer Bros., Chambersburg, Pa.

HYDRANGEAS.

Hydrangeas, Otaksa and Thos. Hogg, 7-12 crowns, $12 per 100; 5-6, $9 per 100; 4, $7 per 100. Jackson & Perkins Co., Newark, N. Y.

Hydrangea Otaksa, field-grown, 6 to 8 up to 10 to 12 shoots, $15 per 100. W. F. Kasting, Buffalo, N. Y.

IVY.

Ivy, hardy English, $2 per 100; $15 per 1,000. R. Vincent, Jr., & Son, White Marsh, Md.

Ivy, English, 4½-in., $2 per doz.; $15 per 100. A. Schultheis, College Point, N. Y.

JERUSALEM CHERRIES.

Jerusalem cherries, 3½-in. in bloom, $4 per 100. J. W. Dunford, Clayton, Mo.

MARANTAS.

Maranta Lietzii, 2½-in., $1 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Maranta rosea, 3-in., $25 per 100. Robt. Craig Co., Market and 49th St., Philadelphia.

MUSHROOM SPAWN.

Mushroom Spawn, pure culture spawn, and importers of English mushroom spawn. Knud Gundestrup & Co., 4273 Milwaukee Ave., Chicago.

Mushroom spawn, Pure Culture, per 10 bricks, $1.50; 25 bricks, $3.50; 50 bricks, $6.50; 100 bricks, $12. W. C. Beckert, 103 Federal St., Allegheny, Pa.

Mushroom spawn, English in bricks, per 100 lbs., $6 f. o. b. New York, $6.50 f. o. b. Chicago. Vaughan's Seed Store, Chicago and New York.

Mushroom Spawn, English and pure culture. Weeber & Don, 114 Chambers St., New York.

Mushroom Spawn, frequent importations from England. J. J. Styer, Concordville, Pa.

NURSERY STOCK.

Nursery stock, shade trees, fruit trees, small fruits, shrubs, clematis, Barberry Thunbergii. W. & T. Smith Co., Geneva, N. Y.

Nursery stock. trees and shrubs. Price list on application. Peterson's Nursery, 503 W. Peterson Ave., Chicago.

Calycanthus, sweet shrub, 1½ to 2 feet transplanted, $5 per 100. The E. Y. Teas Co., Centerville, Ind.

Nursery stock, evergreen and deciduous flowering shrubs and vines. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, all kinds of hardy stock. Klehm's Nurseries, Arlington Heights, Ill.

Nursery stock, deciduous trees and shrubs, evergreens. Cottage Gardens Co., Queens, L. I., N. Y.

Nursery stock, pot-grown shrubs, conifers and ornamental stock. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, Biota, aurea nana, conifers, oranges, etc. P. J. Berckmans Co. (Inc.), Augusta, Ga.

Nursery stock, large trees, oak, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, plants and shubbery of all kinds. Dingee & Conard Co., West Grove, Pa.

ORANGES.

Oranges, otaheite, 5 to 20 fruit, 25c a fruit. Robt. Craig Co., Market and 49th Sts., Philadelphia.

ORCHIDS.

Orchids, C. Dowiana, C. Gigas, C. Mossiæ, C. Percivaliana, C. speciosissima, C. Eldorado, C. superba, C. labiata, C. Leopoldii. Lager & Hurrell, Summit, N. J.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England; New York office, room 1, 235 Broadway.

Orchids, imported seedlings. Julius Roehrs Co., Rutherford, N. J.

PALMS.

Palms, Cocos, 2½-in., $2 per doz.; C. Bonetti, specimens, $40 each. Kentia Bel., 3-in., $2 per doz.; 6-in., $1.25 each, $15 per doz.; Kentia Fors., 6-in., $1.25 each, $15 per doz.; 7-in., $2, $2.50 and $3 each, $24 per doz. Phœnix Can., 2-in., $1 per doz.; 10-in., $3 each; large specimens. Phœnix Recli, 3½-in., $2 per doz.; 4-in., $3 per doz.; 6-in., 50c each, $6 per doz.; 7-in., 75c each. Latania Bor., 3-in., $1.50 per doz.; 3½-in., $2; 4-in., $3; 5-in., $5; 7-in., $12. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Palms, Kentia Fors., made-up, 1 large and 3 small in pot, 45 to 48, 25 to 30 ins., $2, $2.50; 6-in., single, 36 to 45 ins., 5 to 6 leaves, $1.25 to $1.75; 6-in., 32 to 36 ins., 5 to 6 lvs., $1; 5½ to 6-in., 30 ins., 5 lvs., 75c; 4-in., made-up, 3 plts. in pot, 18, 20 to 25 ins., 25c, 30c, 35c. Cocos Wed., 15c. Areca Lutescens, 5-in., 24 ins., made-up, 3 plts., 35c; 4-in. pots, 20 to 24 ins., 3 plts., 25c. Areca Sapida, 25 ins., 50c each. G. Aschmann, 1012 Ontario St., Philadelphia.

Palms, Cocos, 3-in., $2 per doz.; C. Bonetti, specimens, $40 each. Kentia Bel., 3-in., $2 per doz.; 6-in., $1.25 each, $15 per doz.; Kentia Fors, 6-in., $1.25 each, $15 per doz.; 7-in., $2, $2.50 and $3 each, $24 per doz. Phœnix Can., 2-in., $1 per doz.; 10-in., $3 each; large specimens. Phœnix Recli, 3½-in., $2 per doz.; 4-in., $3 per doz. Latania Bor., 3-in., $1.50 per doz.; 3½-in., $2; 4-in., $3; 5-in., $5; 7-in., $12. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Palms of all kinds. R. Dreyer, Woodside, L. I., N. Y.

Palms. P. J. Berckmans Co. (Inc.), Augusta, Ga.

Palms. L. Van Houtte Pere, Ghent, Belgium.

Palms, Kentia Fors., 3 to 4 plants, 8-in., $1.50 to $3; 10-in., $6 each; 14-in., $15 to $20 each; single plants, 50c to $2 each. Belmoreana, 5-in., $4 per doz.; 6-in., $9 per doz.; 6½ and 7-in., $18 per doz; large plants, $2.50 to $3.50 each. Livistona, 5 to 5½-in., $5 per doz.; 6½-in., $9 per doz.; 7-in., $12 per doz. Cycas revoluta, 5½, 6, 7 and 8-in., 50c to $1.50 each. A. Schultheis, College Point, N. Y.

PANDANUS.

Pandanus Veitchii, 4-in., 50c each; 5-in., 75c each; 6-in., $1 each. Pacifica, 6-in. pots, $1.50 each; 7-in., $2 each. Robt. Craig Co., Market and 49th Sts., Philadelphia.

Pandanus Veitchii, 5-in., $4 per doz.; 6-in., $6 per doz.; 6½-in., $9 per doz.; 7-in., $18 per doz.; 8-in., $2 each. A. Schultheis, College Point, N. Y.

Pandanus Veitchii, 6-in., per doz., $12. Utilis, 3-in., $1.50 per doz.; 4-in., per doz., $3; 5-in., per doz., $5. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

PANSIES.

Pansies, $3 per 1,000; 50c per 100. Jos. H. Cunningham, Delaware, O.

Pansies, giant prize, mixed colors, $3 per 1,000. Peter Brown, Lancaster, Pa.

Pansies, giant, $3 per 1,000. Byer Bros., Chambersburg, Pa.

Pansies, giant, $2 per 1,000. Shippensburg Floral Co., Shippensburg, Pa.

PEONIES.

Peonies, Prince Charles, Lord Salisbury, Duchess of Sutherland, Rosea maxima, Mme. Furtado, Philomile, Leonie, Mons. Boquil, Festiva, Hypatia, Mons. Rousselon, Mme. Moreau, 1 yr., $1.50 per doz.; $10 per 100; 2 yr., $2 per doz.; $15 per 100. Thos. S. Ware, Ltd., Feltham, England.

Peonies, choice kinds, Festiva Maxima, Felix Crousse, Queen Victoria, etc., at lowest rates. Fine mixed sorts, $5 per 100. The E. Y. Teas Co., Centerville, Ind.

Peonies, Queen Victoria, $9 per 100. Festiva Maxima, $30 per 100; Fragrans, $6 per 100. G. H. Wild, Sarcoxie, Mo.

Peony Queen Victoria, 3 to 6 eye divs., $10 per 100; $90 per 1,000. Storrs & Harrison Co., Painesville, O.

Peonies. Wholesale grower of the best varieties. J. F. Rosenfield, West Point, Neb.

Peonies a specialty. Peterson Nursery, 503 W. Peterson Ave., Chicago.

Peonies, all vars. Jacs Smits, Ltd., Naarden, Holland.

Peonies. W. & T. Smith Co., Geneva, N. Y.

PEPPERS.

Peppers, Celestial or Xmas., 4-in., $1.25 per doz.; $10 per 100, 5-in., $2 per doz.; $15 per 100. Vaughan's Seed Store, Chicago and New York.

POINSETTIES.

Poinsettias, 3-in., $8; 4-in., $12.50; 6-in., 50c each. Geo. A. Kuhl, Pekin, Ill.

PRIMULAS.

Primroses, Chinese, 2½-in., $5; 3-in., $8; 4-in., $12.50. Obconica, 2½-in., $5; 3-in., $8. Baby, 3-in., $8. Geo. A. Kuhl, Pekin, Ill.

Primroses, obconica, alba and rosea, $1.50 per 100; $12 per 1,000. Jos. H. Cunningham, Delaware, O.

Primula obconica, $2 per doz.; $15 per 100. A. Schultheis, College Point, N. Y.

Primroses, 4-in., $10 per 100; 5¼-in., $2 per doz. G. Aschmann, 1012 Ontario St., Philadelphia.

Primula obconica, 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

PRIVET.

Privet, California, the best. R. Dreyer, Woodside, L. I., N. Y.

If you do not find what you need in our Ready Reference Department, write us about it.

RHODODENDRONS.

Rhododendrons. Jacs Smits, Ltd., Naarden, Holland.

Rhododendrons. Cottage Gardens Co., Queens, L. I., N. Y.

ROSES.

Roses, Baby Rambler, 1st size, 2 yr., $3 per doz.; $25 per 100; $200 per 1,000. 2nd size, 2 yr., $2.50 per doz.; $20 per 100; $150 per 1,000; 1st size, 1 yr., $2 per doz.; $15 per 100; $120 per 1,000. Pot-grown, 4-in., $3 per doz.; $20 per 100. 5-in., $5 per doz.; $40 per 100. 6-in., $6 per doz., $50 per 100. Etoile de France, 1-yr., dormant, $2 per doz.; $15 per 100. Richmond, 3-in., $8 per 100; $75 per 1,000; 4-in., $12 per 100; $100 per 1,000. Killarney, 3-in., $8 per 100; $75 per 1,000; 4-in., $12 per 100; $100 per 1,000. Vaughan's Seed Store, Chicago and New York.

Roses, 2-yr., field-grown, hybrid perpetuals, $10 and $12 per 100; Crimson Rambler, $9 per 100; Dorothy Perkins, $7 per 100. Lady Gay, 2½-in. pots only. Jackson & Perkins Co., Newark, N. Y.

Rose, Queen Beatrice, finest forcing pink, to be disseminated spring of 1907. F. H. Kramer, 916 F St., N. W., Washington, D. C.

Roses, from 2½-in. pots, Ivory, G. Gate, Bride, Maid, Chatenay. Mrs. J. W. Crouch, 709 Market St., Chattanooga, Tenn.

Roses, C. Soupert, Marie Pavie, C. Rambler, Dorothy Perkins, P. J. Berckmans Co. (Inc.), Augusta, Ga.

Roses, H. P's, H. T's, T's, R's, Cl's, B., etc., 101 best sorts, own roots. Leedle Floral Co., Springfield, O.

Roses, Crimson Rambler, 4 to 7 ft., $10 per 100; No. 2's, $6 per 100. C. M. Niuffer, Springfield, O.

Roses, Magna Charta, 2-yr., field-grown, $12 per 100. Storrs & Harrison Co., Painesville, O.

Roses, Dorothy Perkins, strong field plants, $7 per 100. The E. Y. Teas Co., Centerville, Ind.

Roses, strong 3-in., Bride and Maid, $4; 2½in., $2. W. H. Gullett & Sons, Lincoln, Ill.

Roses, Bride, Maid, G. Gate, Ivory, $1.50 per 100. Geo. A. Kuhl, Pekin, Ill.

Roses, 4-in. pots. Muskogee Carnation Co., Muskogee, Ind. Ter.

Roses, field-grown for forcing. W. & T. Smith Co., Geneva, N. Y.

Roses, from 3-in. pots. Wood Bros., Fishkill, N. Y.

Roses, climbing plants. Jacs Smits, Ltd., Naarden, Holland.

SEEDS.

Seeds, giant-flowered cyclamen, German strain, white, dark crimson, Rosa von Marienthal, dark rose, white with carmine eye, white fringed, Rubin, per 1,000 seeds, $5; per 100, 65c. Salmon, 100 seeds, $1.50. Giant flowered mixed, 100 seeds, 50c; 250, $1.15; 1,000, $4.50; 5,000, $20. Giant orchid-flowered, white, red, pink, white with carmine eye, lilac, each, 100 seeds, $1; 1,000, $9; orchid-fld., mixed, 25 seeds, 25c; 100, 85c; 1,000, $8. Rokoko, colors and mixed, 100 seeds, $2.50; 50, $1.35. New English grown, Rosy Morn, Picturatum, Grandi, Album, Excelsior, Princess May, Princess of Wales, Mauve Queen, Duke of Connaught, Duke of Fife, Salmon Queen, 100 seeds, $1; 1,000, $9 net. Fimbriatum, 100 seeds, $2.50. Vaughan's Seed Store, Chicago and New York.

Seeds, Asparagus, A. plumosus nanus, Northern greenhouse grown seed, 100 seeds, 60c; 250 seeds, $1.25; 1,000 seeds, $4.50. Southern greenhouse grown, 1,000 seeds, $2.50; 5,000 seeds, $10. A. plumosus robustus, 100 seeds, $1; 1,000 seeds, $9. Decumbens, 100 seeds, 50c; 1,000 seeds, $4. Comorensis, 100 seeds, $1; 1,000 seeds, $7.50. Cash discount 2 per cent. Vaughan's Seed Store, Chicago and New York.

Seeds, 5,400 acres of garden seeds in cultivation. Braslan Seed Growers' Co., San Jose, Cal.

Seeds, palms, Kentia Fors., K. Bel., $1.25 per 1,000. Canterburyana, $3 per 1,000. Moorei, $12 per 1,000. Areca Baueri, $1 per 1,000. Seaforthia elegans, 50c per 1,000. Livistona australis, 50c per 1,000. Bacularia monostachya, $1.50 per 1,000. Gymnostachys anceps, $2 per 1,000. Calamus Muelleri, $1.50 per 1,000. Tree seeds, Castanospermum australe, $5 per 1,000. Araucaria excelsa, $1.25 per 1,000. J. Staer, Wahroonga, N. S. W., Australia.

Seeds, sweet peas, Earliest White, per pkt. (40 seeds), 25c; 5 pkts., 75c net. ½ size pkts., 15c; 2 pkts., 25c; 10 pks., 75c. Burpee's Earliest of All, per oz., 10c; ¼ lb., 30c; per lb., $1. W. Atlee Burpee & Co., Philadelphia.

Seeds, L. C. Nungesser, Griesheim near Darmstadt, Germany, exporter and importer. Specialties: Selected grass and clover seeds, alfalfa of Provence and Turkestan; free from dodder and cuscuta. Crimson clover.

Seeds, Suhr's genuine Danish Cauliuower, Dwarf Erfurter and Danish Giant; Cabbage, Danish, Ball Head. Wholesale only. Write for particulars. S. Suhr, Copenhagen, Denmark.

Seeds, mignonette, New York Market. Sweet peas, pink and white. Tomato, The Don, Stirling Castle. Weeber & Don, 114 Chambers St., New York.

Seeds, Rocky Mountain Columbine, true, new crop, ¼ oz., 40c; oz., $1.25. Buy now, supply limited. Barteldes Seed Co., Denver, Col.

Seeds, specialties, beans, cucumber and tomato, radish, peas, muskmelon, sweet corn and squash. S. M. Isbell & Co., Jackson, Mich.

Seed, Kentia Belmoreana, 100, 75c; 1,000, $5; 2,500, $11.75; 5,000, $22.50. H. H. Berger & Co., 47 Barclay St., New York.

Seeds, Araucaria imbricata, $10 per 1,000. Funtumia elastica, $5 per 1,000. Jules Van Mol, rue Goffart 27, Brussels, Belgium.

Seeds, all kinds, specialties, onion, carrot, lettuce, sweet peas. Pacific Seed Growers' Co., 109 Market St., San Francisco.

Seeds, cabbage and cauliflower. Hjalmar Hartmann & Co., 12 Stormgade, Copenhagen, 31 Barclay St., New York.

Seeds, Hollyhock, Myosotis, Pansies, all seeds. Hasslach & Roumanille, seed growers, St. Remy de Provence, France.

Seeds, Asparagus plumosus, per oz., $1; per lb., $14; 5 lbs., $55; 10 lbs., $100. F. G. Taylor Seed Co., Glendale, Cal.

Seeds, high grade grass, clover, agricultural and forest tree seeds. Conrad Appel, Darmstadt, Germany.

Seeds, all kinds of vegetable and flower seeds. C. C. Morse & Co., 171 Clay St., San Francisco.

Seeds, Asparagus plumosus, $3.50 per 1,000 seeds. J. M. Thorburn & Co., 33 Barclay St., New York.

Seed, Pandanus utilis, $6 per 1,000 seeds. J. M. Thorburn & Co., 33 Barclay St., New York.

Seeds of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Seeds, Snowball cauliflower. R. Wiboltt, Nakskov, Denmark.

Seeds. W. Atlee Burpee Co., Philadelphia, Pa.

SELAGINELLAS.

Selaginella Denticulata, 3-in., $1 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

SMILAX.

Smilax, 2-in., strong, $1 per 100; $9 per 1,000. C. Humfeld, Clay Center, Kan.

Smilax, 3-in., $4 per 100; $35 per 1,000. Pochlmann Bros. Co., Morton Grove, Ill.

Smilax, $2 per 100; $15 per 1,000. R. Vincent, Jr., & Son, White Marsh, Md.

Smilax. Wood Bros., Fishkill, N. Y.

Smilax, 3-in., $2.50; 2¼-in., $2. W. H. Gullett & Sons, Lincoln, Ill.

SPIREAS.

Spirea Van Houttei. W. & T. Smith Co., Geneva, N. Y.

Spireas. Jacs Smits, Ltd., Naarden, Holland.

STEVIAS.

Stevia, fine large plants, 6-in., 20c; 7-in., 25c; 8-in., 30c. Thos. Salveson, Petersburg, Ill.

VERBENAS.

Verbenas, 60 named vars., Rooted cuttings, 75c per 100; $6 per 1,000. Plants, $2.50 per 100; $20 per 1,000. J. L. Dillon, Bloomsburg, Pa.

VINCAS.

Vinca Minor, Hardy periwinkle, good clumps, $1.50 per 100; $10 per 1,000. The E. Y. Teas Co., Centerville, Ind.

Vinca Var., rooted cuttings, $1 per 100; $7.50 per 1,000. Holton & Hunkel Co., Milwaukee, Wis.

Vinca Var., 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

VIOLETS.

Violets, Gov. Herrick, new single violet, good keeper; rooted cuttings $2 per doz.; $10 per 100; $75 per 1,000; 5,000 or more, $60 per 1,000. H. R. Carlton, Willoughby, O.

Violets, Pincess of Wales, field-grown, 4c. M. Kohankie, Painesville, O.

Violets, California, large clumps, $5 per 100. J. W. Dunford, Clayton, Mo.

Violets. Wood Bros., Fishkill, N. Y.

WISTARIAS.

Wistaria Magnifica, 3-yr., strong, $3 per 100. The E. Y. Teas Co., Centerville, Ind.

WHOLESALE CUT FLOWERS.

Commission Dealers.

Allen, J. K., 106 W. 28th St., New York.

Amling, E. C., 32-36 Randolph St., Chicago.

Angermueller, Geo. H., 1324 Pine St., St. Louis, Mo.

Berning, H. G., 1402 Pine St., St. Louis.

Cleveland Cut Flower Co., 215 Huron road, Cleveland, O.

Deamud, J. B., Co., 51 Wabash Ave., Chicago.

Flower Growers' Market, 60 Wabash Ave., Chicago.

Ford Bros., 48 W. 28th St., New York.

Froment, Horace E., 57 W. 28th St., New York.

Guttman, Alex. J., 43 W. 28th St., N. Y.

Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Henshaw, A. M., 52 W. 28th St., New York.

Horan, Edward C., 55 W. 28th, N. Y.

Hunt, E. H., 76 Wabash Ave., Chicago.

Kennicott Bros. Co., 40-44 Randolph St., Chicago.

Kessler, Phil. F., 55 W. 26th St., N. Y.

Kuehn, C. A., 1122 Pine St., St. Louis.

Langjahr, Alfred H., 55 W. 28th St., New York.

McCullough's Sons Co., J. M., 316 Walnut St., Cincinnati, O.

McKellar, Chas. W., 51 Wabash Ave., Chicago.

McKissick, W. E., 1221 Filbert St., Philadelphia.

Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Murdoch, J. B. & Co., 745 Liberty Ave., Pittsburg, Pa.

N. Y. Cut Flower Ex., Coogan Bldg., 6th Ave. and W. 26th St., New York.

Niessen Co., Leo, 1217 Arch St., Phila.

Pennock-Meehan Co., 1608-18 Ludlow St., Philadelphia.

If you do not find what you need in our Ready Reference Department, write us about it.

Pittsburg Cut Flower Co., Ltd., 222 Oliver Ave., Pittsburg, Pa.

Pittsburg Florists' Exchange, 217-223 Diamond St., Pittsburg, Pa.

Pollworth, C. C. Co., Milwaukee, Wis.

Randall, A. L. Co., 19 Randolph St., Chicago.

Raynor, John I., 49 W. 28th St., N. Y.

Rice Bros., 128 N. 6th St., Minneapolis, Minn.

Seligman, John, 56 W. 26th St., N. Y.

Sheridan, Walter F., 39 W. 28th St., New York.

Traendley & Schenck, 44 W. 28th St., New York.

Vaughan & Sperry, 58-60 Wabash Ave., Chicago.

Welch Bros., 226 Devonshire St., Boston.

Winterson, E. F. Co., 45-49 Wabash Ave., Chicago.

Young, A. L. & Co., 54 W. 28th St., New York.

Young, Thos., 43 W. 28th St., N. Y.

Zech & Mann, 51 Wabash Ave., Chicago.

Growers.

Bassett & Washburn, 76-78 Wabash Ave., Chicago.

Benthey-Coatsworth Co., The, 35 Randolph St., Chicago.

Bruns, H. N., 1409-1411 W. Madison St., Chicago.

Budlong, J. A., 37-39 Randolph St., Chicago.

Chatogue Greenhouses, Mobile, Ala.

Elliott, W. H., Brighton, Mass.

Hill, The E. G. Co., Richmond, Ind.

Jensen & Dekema, 674 W. Foster Ave., Chicago.

Muskogee Carnation Co., Muskogee, I. T.

Peacock Dahlia Farms, Atco, N. J.

Poehlmann Bros. Co., 35-37 Randolph St., Chicago.

Reinberg, Peter, 51 Wabash Ave., Chicago.

Sinner Bros., 60 Wabash Ave., Chicago.

Weiland & Risch, 59 Wabash Ave., Chicago.

Wietor Bros., 51 Wabash Ave., Chicago.

Wilcox, J. F., Council Bluffs, Iowa.

Wittbold, Geo. Co., 1657 Buckingham Place, Chicago.

RETAIL CUT FLOWERS.

Atlanta Floral Co., 41 Peachtree St., Atlanta, Ga.

Bertermann Bros. Co., 241 Massachusetts Ave., Indianapolis, Ind.

Blackistone, 14th and H Sts., N. W., Washington, D. C.

Boland, J. B. Co., 47-49 Geary St., San Francisco.

Breitmeyer's Sons, John, cor, Miami and Gratiot Aves., Detroit, Mich.

Cooke, George H., Connecticut Ave. and L St., Washington, D. C.

Daniels & Fisher, Denver, Col.

Donohoe, W. H., 2 W. 29th St., N. Y.

Eyres, H. G., 11 N. Pearl St., Albany, N. Y.

Grillbortzer, D. G., Alexandria, Va.

Gude, A. & Bro., 1214 F St., Washington, D. C.

Hansen, Mrs. M. A., Galveston, Tex.

Hauswirth, P. J., Audit. Annex, Chi.

Hess Q Swoboda, 1415 Farnum St., Omaha, Neb.

Holm & Olson, St. Paul, Minn.

Keller, J. B., Sons, 25 Clinton St., Rochester, N. Y.

Kellogg, Geo. M., 906 Grand Ave., Kansas City, Mo.; also Pleasant Hill, Mo.

Kimmel, W. W., 1139 14th St., N. W., Washington, D. C.

Lange, A., 40 E. Madison St., Chicago.

Livingston Seed Co., Columbus, O.

Matthews, 16 W. 3rd St., Dayton, O.

Mayberry & Hoover, 1339 14th St., N. W., Washington, D. C.

Miller, Theo., 4832 Delmar Blvd., St. Louis, Mo.

Mills The Florist, 36 W. Forsyth St., Jacksonville, Fla.

Murray, Samuel, Coates House Con., 1017 Broadway, Kansas City, Mo.

Park Floral Co., The, Denver, Col.

Palmer's, Buffalo, N. Y.

Robertson, John, 1108 Connecticut Ave., Washington, D. C.

Schulz, J., 644 4th Ave., Louisville, Ky.

Small, J. H. & Sons, 14th and G Sts., Washington, D. C.

Virgin, Uriah J., 833 Canal St., New Orleans, La.

Washington Florist Co., The, 13th and F; also 14th and R Sts., Washington, D. C.

Weber, Fred C., 4320-28 Olive St., St. Louis, Mo.

Wilcox, J. F., Council Bluffs, Iowa.

Wilson, Robt. G., Fulton St. and Greene Ave., Brooklyn, N. Y.

ARTIFICIAL FLOWERS.

Artificial flowers of all kinds. Artificial poinsettias, 12-in. diam., 18-in. stems. J. Schroeder, 344 Ontario St., Cleveland, O.

BOILERS.

Boilers, improved greenhouse boilers, made of best material; shell firebox sheets and heads of steel; water space all around (front, sides and back). Kroeschell Bros. Co., 45 Erie Street, Chicago.

Boilers, Gurney heaters, heat by steam or hot water. Gurney Heater Mfg .Co., 111 5th Ave., New York; 74 Franklin St., Boston.

Boilers, the Burnham boilers, made for greenhouse heating. Lord & Burnham Co., 1133 Broadway, New York.

Boilers, corrugated, fire box and sectional, greenhouse heating. Hitchings & Co., 1170 Broadway, New York.

Boilers, boilers of high grade for greenhouses. Steam and hot water. Giblin & Co., Utica, N. Y.

Boilers of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Boilers, water tube steam boilers. King Construction Co., N. Tonawanda, N. Y.

Boilers, write for prices. Johnston Heating Co., 1133 Broadway, N. Y.

Boilers, Myers & Co., 1122 Betz Bldg., Philadelphia.

BOXES.

Cut Flower Boxes, water-proof; corner lock style. No charge for printing on orders above 250 boxes. Livingston Seed Co., Columbus, O.

Cut Flower Boxes; send for prices. Edwards Folding Box Co., Philadelphia, Pa.

BUILDING MATERIAL.

Building material, lumber for greenhouse benches. Ship lap, drop siding, sheathing, flooring, white cedar posts, etc. We are in special position to furnish "Pecky Cypress"; everything in pine and hemlock building lumber. Adam Schillo Lumber Co., cor. Weed and Hawthorne Sts., Chicago.

Building Material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouses and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building Material, cypress sash bars, Tennessee red cedar posts, pecky cypress benches, hotbed sash and frames, ventilating apparatus, pine, fittings and all supplies needed in new or reconstruction work. Foley Mfg. Co., 471 W. 22d St., Chicago.

Building Material, cypress sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 111-125 Blackhawk St., Chicago.

Building Material. Our designs embody best features of greenhouse construction. Best grade gulf cypress used. Red cedar posts, iron fittings, hotbed sash. Lockland Lumber Co., Lockland, Ohio.

Building Material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 617 Sheffield Ave., Chicago.

Building Material for U-Bar greenhouses. Pierson U-Bar Co., Metropolitan Bldg., 4th Ave. and 23d St., N. Y.

Building Material of all descriptions, cold frames, hotbed sash, etc. Lord & Burnham Co., 1133 Broadway, N. Y.

Building Material, cold frames, hotbed sash of every description. Hitchings & Co., 1170 Broadway, New York.

Greenhouse materials of all kinds for greenhouse heating. Johnston Heating Co., 1133 Broadway, New York.

Building Material of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Building Material of all kinds. S. Jacobs & Sons, 1365-79 Flushing Ave., Brooklyn, N. Y.

CONCRETE MACHINES.

Ideal Concrete Machines for concrete block construction. Ideal Concrete Machinery Co., South Bend, Ind.

CUT FOLWER HOLDER.

The Anglais table decoration, made in sections, can be adjusted to any form desired. "Japana" flower holder, 4½-in., 50c; 3½-in., 35c; 2½-in., 25c. M. V. Garnsey, 131 So. Waiola Ave., La Grange, Ill.

FERTILIZERS.

A sample 100-lb. bag of BLATCHFORD'S PLANT GROWER AND LAND RENOVATOR FERTILIZER only $2.75. It is composed solely of pure Rose Growers' Bone Meal, Nitrate of Soda, Peruvian Guano, Sulphate of Ammonia, Sulphate of Potash and Gypsum, in the correct proportions. For benches and potting plants, roses, carnations, lilies, 'mums, etc., it has never been surpassed. Address

THE BARWELL AGRICULTURAL WORKS, WAUKEGAN, ILL.

Est. at Leicester, England, in 1800.

Wizard Brand pulverized sheep manure. The Pulverized Manure Co., 32 Exchange Ave., Chicago.

GLASS.

Glass importers and jobbers; greenhouse glass a specialty. Window glass. James H. Rice, corner Michigan, St. Clair and Illinois Sts., Chicago.

Glass, plate and window glass, greenhouse glass a specialty. Sprague-Smith Co., 167-169 Randolph St., Chicago.

Glass, a lot of 16x18 A and B double strength at low price. A. Dietsch Co., 617 Sheffield Ave., Chicago.

Glass, window glass. Greenhouse glass a specialty. H. M. Hooker Co., 59 W. Randolph St., Chicago.

Glass, French and American "White Rose" brand. Stenzel Glass Co., 2 Hudson St., New York.

Glass, all sizes. Metropolitan Material Co., 1398 Metropolitan Ave., Brooklyn, N. Y.

Glass, all kinds and sizes. Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.

Glass, special greenhouse. G. F. Reynolds, Durhamville, N. Y.

GLAZING POINTS.

Glazing Points, see the point? Holds glass firmly. Peerless glazing points are the best. No rights or lefts. Box of 1,000 points, 75c, postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

GOLD FISH.

Gold Fish, Comets, Japanese Fantails, Fringetails, Telescopes, etc. Fish globes and aquariums. The J. M. McCullough's Sons Co., 316 Walnut St., Cincinnati, O.

If you do not find what you need in our Ready Reference Department, write us about it.

Goldfish aquaria and aquarium supplies. Fred. Kaempfer, 88 State St., Chicago.

GREENHOUSE CONSTRUCTION.

Greenhouse Construction, builders of greenhouses for private estates, institutions, parks, etc. Pierson U-Bar Co., Metropolitan Bldg., 4th Ave. and 23d St., New York.

Greenhouse Construction, sash bar greenhouses. New Truss construction and iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse Construction, builders of every type of greenhouses; the most modern designs. Hitchings & Co., 1170 Broadway, N. Y.

Greenhouse Construction, builders of modern greenhouses. Myers & Co., 1122 Betz Bldg., Philadelphia.

GUTTERS.

Gutters, Jennings, improved iron gutters. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

Gutters, Garland's gutters will keep snow and ice off your glass. A sample of our gutter is on exhibition at Chicago Flower Growers' Market. Geo. M. Garland, Des Plaines, Ill.

Gutters, Lord & Burnham Improved V-shape gutter, with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

Gutters, new duplex gutter, only drip-proof gutter on the market. E. Hippard, Youngstown, O.

IMMORTELLES.

Immortelles, bright scarlet and other colors for Xmas trade. Buy now. Dozen bunches, $2.75; 50 bunches, $11. Barteldes Seed Co., Denver, Col.

INSECTICIDES.

Insecticides, Nicoteen Aphis Punk, 60c per box 12 sheets; $6.50 per case of 12 boxes. Nikoteen Liquid, $1.50 per pint; $13 per case of 10 pints. Nicotine Mfg. Co., St. Louis, Mo.

Insecticides, tobacco paper, 24 sheets, 75c; 144, $3.50, 288, $6.50; 1,728, $35.10. Nico-Fume Liquid, ¼ pint, 50c; pint, $1.50; ½ gal., $5.50; gal., $10.50; 5 gal., $47.25. Kentucky Tobacco Product Co., Louisville, Ky.

Wilson's Plant Oil, for scale and insects, ½ pt., 25c; pt., 40c; qt., 75c; ½ gal., $1.25; gal., $2; 5 gals., $9. Andrew Wilson, Summit, N. J.

Fumigating Supplies, vaporizing pans for tobacco extract, improved. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

Fumigating supplies, tobacco stems, 300 lb. bales, $1.50. W. C. Beckert, 103 Federal St., Allegheny, Pa.

Insecticides, Carman's Antipest insecticide and fungicide, $1.50 per gal. Perfection Chem. Co., Flushing, N. Y.

Insecticide, Nicoticide, Bug Killer, the best bug killer and bloom saver. P. R. Palethorpe Co., Louisville, Ky.

Fumigating Supplies, tobacco dust for fumigating. Edwin L. Koppelman & Co., 81 Pine St., New York.

Fine, pure tobacco dust $2 per cwt.; $30 per ton. Wm. C. Smith & Co., St. Louis, Mo.

Fumigating Supplies, tobacco powder and stems. The H. A. Stoothoff Co., 116 West St., New York.

LAWN MOWERS.

Lawn Mower. The Clipper lawn mower, No. 1, 12-in., $5; No. 2, 15-in., $6; No. 3, 18-in., $7; No. 4, 2-in., $8. Draft, money order or reg. letter. Clipper Lawn Mower Co., Dixon, Ill.

METAL DESIGNS.

Metal signs, send for prices. A. Herrmann, 404-12 E. 34th St., New York.

MISCELLANEOUS.

Florists' overdue accounts and bad debts collected by the National Florists' Board of Trade, 56 Pine St., N. Y.

Engravings, best engravings and illustrations of every description for catalogues. Send for estimates. Globe Eng. & Elec. Co., 427 Dearborn St., Chicago.

Printing, large runs of catalogues a specialty. Write for figures. Regan Printing House, 89-91 Plymouth Place, Chicago.

PAINT, PUTTY, ETC.

Paint, Ideal Greenhouse Lead; Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, N. Y.

Paint, Putty, etc. H. M. Hooker Co., 59 W. Randolph St., Chicago.

Paint, Putty, etc. The Jas. H. Rice Co., 80-82 Wabash Ave., Chicago.

PIPE, FITTINGS, ETC.

Pipe, iron fittings, etc., galvanized iron sash hinges, screw eyes, screw hooks, U bolts, galvanized iron buckles and wires. Fittings for purlin and ridge supports. Foley Mfg. Co., 471 W. 22d St., Chicago.

Iron Fittings, patent iron bench fittings and roof supporters. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

Pipes, valves, fittings of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

A Bargain, 4-in. cast iron pipes, 5 foot lengths at 12c per foot. C. C. Pollworth Co., Milwaukee.

Iron Fittings, etc.; send for prices. Lockland Lumber Co., Lockland, O.

POTS, PANS, ETC.

Pots, standard flower, 1½-in., $2.77 per 1,000; 2-in., $3.33; 2½-in., $3.88; 3-in., $5.27; 3½-in., $6.10; 4-in., $7.77; 4½-in., $10; 5-in., $13.60; 6-in., $22.20; 7-in., $4 per 100; 8-in., $6; 9-in., $8.88; 10-in., $13.33; 12-in., $22.22; 14-in., $38.88; 16-in., $66.66; 20-in., $1.25 each. Azalea pots and bulb pans same price. 2x2½-in rose pots, $3.50 per 1,000. A. F. Kohr, 1521 N. Leavitt St., Chicago.

Pots, standard, seed pans, cut flower cylinders, hanging baskets, lawn vases, etc. Hilfinger Bros. Pottery, Ft. Edward, N. Y.

Pots, standard flower pots. The Whildin Pottery Co., Philadelphia, Pa.; Jersey City, N. J.; Long Island City, N. Y.

Pots, before buying write for prices. Geo. Keller & Son, 361-63 Herndon St., near Wrightwood Ave., Chicago.

RAFFIA.

Raffia, samples free if you mention the American Florist. Large assortment of colors. R. H. Comey Co., Camden, N. J., 810-24 Washburn Ave., Chicago.

SUPPLIES.

Red Bells, bright color tissue paper, 6-in., best seller, 60c per doz.; gross, $5. Other sizes in proportion. We have the goods. Write us. Barteldes Seed Co., Denver, Col.

Supplies, wire designs. Pittsburg Florists' Ex., 228 Diamond St., Pittsburg, Pa.

Supplies, flower baskets, novelties. Riessner Bros., Lichtenfels, Bavaria.

A HOLLY WREATH

FOR HOLIDAY CIRCULARS AND ADVERTISING : : : :

Plates for printing this fine Holly Wreath in two colors—green leaves and red berries and ribbon—$5.00 per set of two plates.

Smaller size, 2x2½ inches, $3.00 per set of two plates.

Plate of above sizes for one color, $2.70. The smaller size, one color, $1.50.

Cash with order.

American Florist Company,
324 Dearborn Street, CHICAGO.

If you do not find what you need in our Ready Reference Department, write us about it.

IN the U-Bar Construction we encase the wooden sash bar with a galvanized steel U shaped bar; the combined member being no larger than the smallest sash bar used in other constructions. U-Bar Greenhouses are the best greenhouses built because they eliminate all heavy iron rafters, many lateral supports, place the bars farther apart, while still giving a house of wonderful rigidity and durability. Pierson U-Bar Company, **Designers and Builders, U-Bar Greenhouses,** Metropolitan Building, 4th avenue and 23rd street, New York.

GLASS

GOOD BRANDS.
QUICK SHIPMENTS.
LARGE STOCK.

Warehouse on railroad switch. **Be Sure and Get Our Prices.**

SHARP, PARTRIDGE & CO.,
22nd and Lumber Sts., CHICAGO.

Please mention the American Florist when writing.

WINANDY BROS.

Greenhouse Builders,

3730 N. Lincoln Street, Rogers Park Station, **CHICAGO.**

Write for our estimates.

N. TONAWANDA, N. Y. TORONTO, ONT.

KING CONSTRUCTION CO.
GREENHOUSE CONSTRUCTION AND EQUIPMENT
WRITE FOR CATALOGUE AND PRICES

GREENHOUSE LUMBER

FIRST QUALITY. STRICTLY CLEAR.

LOUISIANA GULF CYPRESS.

For **GREENHOUSE** purposes nothing surpasses our material either in durability, or in excellence of workmanship.

PRICES REASONABLE.

QUICK SERVICE IS ASSURED IN FILLING ALL ORDERS.

Hotbed Sash, Cedar Posts, Iron Fittings, Bench Material.

LOCKLAND LUMBER CO.
LOCKLAND, O.

Please mention the American Florist when writing.

GARLAND'S GUTTERS
WILL KEEP SNOW AND ICE OFF YOUR GLASS.
DES PLAINES, ILL.
SEND FOR CATALOGUE.

A Section of our Gutter is on Exhibition at the Chicago Flower Growers' Market.

THE STANDARD

VENTILATING MACHINERY

The original machine with self-oiling cups. The most powerful, least complicated, very compact, with ease of operation.

The New Duplex Gutter

Over six miles in use and highly recommended by all. The only **Drip Proof** gutter on the market.

The Standard Return Steam Trap

It has no equals for simplicity or its working. Catalogue free.

E. HIPPARD, Youngstown, Ohio.

An Economic Investment

A MOREHEAD TRAP

Write us, we will explain how our trap can better the quality of your flowers and cut down your operating expenses.

MOREHEAD MFG. CO.
1047 Grand River Ave.
DETROIT, MICH.

EVANS' IMPROVED CHALLENGE VENTILATING APPARATUS

WRITE FOR ILLUSTRATED CATALOGUE
QUAKER CITY MACHINE WORKS.
RICHMOND, IND.

THE TEST —OF— PRODUCTS.

Here is a test that every florist and grower can make for himself, as the construction of your house vitally affects the stock you grow. If your houses are not built right you cannot expect to turn out perfect plants.

Does your house produce the amount of stock and kind of stock it should? Let us furnish you the material for your next house and then make a test—we only ask for a trial order.

Our catalogue will tell you more.

Next Week:
"The Test of Construction."

JOHN C. MONINGER CO.
113 E. Blackhawk St.,
CHICAGO.

Please mention the American Florist when writing.

THE AMERICAN FLORIST

America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXVII. CHICAGO AND NEW YORK, NOVEMBER 17, 1906. No. 963

THE AMERICAN FLORIST

TWENTY-SECOND YEAR.

Copyright 1906, by American Florist Company. Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

324 Dearborn St., Chicago.

Eastern Office: 1133 Broadway, New York.

Subscription, $1.00 a year. To Europe, $2.00. Subscriptions accepted only from the trade.

Volumes half yearly from August 1903.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—WM. F. KASTING, Buffalo, N. Y., president; H. M. ALTICK, Dayton, O., vice-president; W. J STEWART, 11 Hamilton Place, Boston, Mass., secretary; H. M. BEATTY, Pittsburg, Pa., treasurer. Twenty-third annual meeting at Philadelphia, Pa., August, 1907.

OFFICERS-ELECT—WM. J. STEWART, Boston, Mass., president; JOHN WESTCOTT, Philadelphia, Pa., vice president; P. J. HAUSWIRTH, Auditorium Annex, Chicago, secretary; H. B. BEATTY, Pittsburg, Pa., treasurer.

INTERNATIONAL EXHIBITION—A grand international exhibition will be held with the annual convention at Chicago, November, 1908.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual convention and exhibition at Chicago, November 6-12, 1906. WM. DUCKHAM, Madison, N. J., president; DAVID FRASER, Penn and Homewood Ave., Pittsburg, Pa., secretary.

AMERICAN ROSE SOCIETY.

Annual meeting and exhibition at Washington, D. C., March 13-15, 1907. ROBT. SIMPSON, Clifton, N. J., president; BENJAMIN HAMMOND, Fishkill-on-Hudson, N. Y., secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention and exhibition at Toronto, Canada, January, 1907. JOHN H. DUNLOP, Toronto, Canada, president; ALBERT M. HERR, Lancaster, Pa., secretary.

THE AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

Annual convention at Toronto, Ont., 1907. BYRON D. WORTHEN, Manchester, N. H., president; F. L. MULFORD, Harrisburg, Pa., secretary.

AMERICAN PEONY SOCIETY.

Third annual meeting and exhibition at Ithaca, N. Y., 1907. C. W. WARD, Queens, N. Y., president; A. H. FEWKES, Newton Highlands, Mass., secretary.

Contents, page 802.

Advertising Rates, 802.

Index to Advertisers, 832.

Ready Reference Advts., 833.

THE EXHIBITIONS.

Horticultural Society of Chicago.

CONTINUED FROM LAST WEEK.

The fourth day of the show was largely devoted to private gardeners, and the interesting nature of the exhibits brought out by this competition should insure even greater encouragement to the private men another year. The foliage plants were very good indeed. Ficus Parcelli is fine, the plant being in fruit; the leaves are soft green distinctly splashed with white. Sanchezia nobilis variegata has large green leaves striped with yellow. Both are fine plants, included in J. J. Mitchell's first prize lot of five. Dracæna Goldei is distinct, the glossy green leaves barred with white, and this plant won for Martin A. Ryerson.

Polypodium goniophlebium subauriculatum is a very cumbersome name, but it is a fine plant, the long drooping fronds attaining a length of five to six feet; this was from E. J. Uihlein. Several fine crotons were also shown. Fine American Beauty roses, very effectively arranged, came from three competitors; the second prize lot, in an upright pedestal-like basket, from C. Frauenfelder, being exquisite.

Among the sports and seedling carnations Red Chief shown by F. Dorner & Sons Co., Lafayette, Ind., takes a foremost place. The color is clear red, the blooms standing well, and it should be heard of in the near future. Winsor, shown by the F. R. Pierson Co., Tarrytown, N. Y., is a gem. The color is quite distinct, a lovely flesh pink, not unlike the old Grace Wilder in this respect. Valentine, from the Chicago Carnation Co., is very fine, with a smooth edge to the petals, and lighter in color than rose pink Enchantress. Seedling 49 from the same firm is also good. A rule compelling exhibitors to name all varieties coming before the judges would be an advantage, and the judges should also be empowered to throw out all sorts that are not an improvement on existing kinds; or if they have the power they should use it. Certainly some of the kinds entered and awarded prizes were not improvements. It is not our province or wish to criticise unduly the judges' awards, but the ridiculous standard set for judging exhibition kinds should be altered. There are 35 points given for size and 15 for depth, out of 100, while color counts only ten. Surely comment on this is not needed. Why was that lovely seedling No. 26 from the F. Dorner & Sons Co. left out? The winning variety was certainly fine, but there is a distinction about the unplaced one that appeals to all lovers of a beautiful flower. The color is a lovely chrome yellow shading to a lighter tint, and possibly it is unique in this respect. It is a fine globular flower and no doubt will win out in the near future. Alice Roosevelt, from the E. G. Hill Co. is a large and very solid white flower, perfectly incurved and apparently as hard as a ball. Detroyat, from the E. G. Hill Co., is an immense pink flower not unlike the old Etoile de Lyon, but more refined than this old sort.

The premiums offered on Saturday for floral devices called forth a fine display of original and striking designs, which were in every way a credit to our local retailers. Perhaps the most interesting of all were the devices for carrying in a bridal party, outside of the regulation bouquets. In the first prize exhibit from the F. E. Butler Floral Co., Old Colony building, Chicago, a muff decorated with lily of the valley and white orchids, and a straw hat trimmed with Killarney roses were the selected objects, and they were beautifully treated. The second prize exhibit consisted of three baskets, the largest having Killarney roses, the others pink sweet peas and lily of the valley, respectively. In every case the blending of the colors of the flowers and ribbons was exquisite. The same excellent taste was exhibited in the arrangement of the baskets of roses, Liberty being the selected variety in the first prize basket, and Killarney in the second. The baskets of carnations and chrysanthemums, in their respective classes, were of fine design, red and pink being used in the first and second prize designs of the former flowers, yellow and white in the latter.

Peter Reinberg well deserved the premium awarded his exhibit as the best tended display throughout the

show, for the blooms in every case were fresh and beautiful to the last. John N. May's choice exhibit of pompon and other chrysanthemums was also interesting right along, especially the large number of outdoor grown varieties.

Friday's Awards.

Best five geraniums in not over 10-inch pots.—First, A. Strude (Robert Mueller, gardener), Chicago; second, Martin A. Ryerson (John Reardon, gardener), Chicago.

Best palm.—First, E. G. Uihlein (H. Skigoldeger, gardener), Chicago; second, J. J. Mitchell (Geo. Woodward, gardener).

Best croton.—First, Martin A. Ryerson; second, J. J. Mitchell.

Best dracæna.—First, Martin A. Ryerson; second, E. G. Uihlein.

Best pandanus.—First, Martin A. Ryerson; second, J. J. Mitchell.

Best decorative plant other than above.—First, J. J. Mitchell; second, Martin A. Ryerson.

Best Boston fern or sport.—First, J. J. Mitchell.

Best five foliage plants.—First, J. J. Mitchell; second, E. G. Uihlein.

Best grafted specimen plant.—First, J. J. Mitchell; second, A. S. Trude.

Best new or rare plant.—First, J. J. Mitchell; second, E. G. Uihlein.

Best 12 ferns.—First, J. J. Mitchell; second, E. G. Uihlein.

CHRYSANTHEMUMS.

Best 12 blooms yellow.—First, E. M. Barton, Hinsdale, Ill.; second, J. J. Mitchell.

Best 12 blooms pink.—First, J. J. Mitchell; second, E. M. Barton.

Best 12 blooms any other color.—First, E. M. Barton.

Prizes for chrysanthemums, seedlings, sports and undistributed importations, to be shown on 18-inch stems:

Best six blooms yellow, not darker than Major Bonnaffon.—First, E. G. Hill Co.

Best six blooms white.—First, E. G. Hill Co.

Best six blooms pink, lighter than Viviand Morel.—First, E. G. Hill Co.

Best six blooms, not lighter than Viviand Morel.—First, E. G. Hill Co.

Best six blooms any other color.—First, E. G. Hill Co.

Best 100 American Beauty roses arranged for effect.—First, C. A. Samuelson, Chicago; second, C. Frauenfelder, Chicago; third, Eaton's Flower Shop, Chicago.

CARNATIONS, SEEDLINGS AND SPORTS.

Best 20 blooms red.—First, Chicago Carnation Co., Joliet, Ill.

Best 20 blooms Daybreak class.—First, Chicago Carnation Co.

Best 20 blooms Scott class.—First, F. R. Pierson Co., Tarrytown, N. Y.

Best 20 blooms Lawson class.—First, B. K. & B. Floral Co., Richmond, Ind.

Sweepstakes, best seedling chrysanthemums entered in above five classes.—First, E. G. Hill Co.

AT THE CHICAGO SHOW.

The Chicago Carnation Co's vase of White Perfection carnation.

Saturday's Awards.

Best basket of roses.—First, C. Frauenfelder & Co.; second, the Butler Floral Co.

Best basket of carnations.—First, the Eaton Flower Shop; second, C. A. Samuelson.

Best basket of chrysanthemums, no bloom to exceed three inches in diameter.—First, C. A. Samuelson; second, Anton Then.

Best arrangement for bridal party other than bouquet; suitable for carrying.—First, F. E. Butler Floral Co.; second, C. A. Samuelson.

Premium offered by Benj. Hammond for the exhibit presenting the best appearance throughout the run of the show.—First, Peter Reinberg; second, John N. May, Summit, N. J.

Special Awards.

Highly Commended: Poter Nurseries, Swain, Nelson Sons & Co., Ltd., Vaughan's Seed Store and Hill's Dundee nursery; for nursery stock.

Honorable mention: W. J. Smyth, Chas. A. Samuelson, Schiller, Kidwell, Wienhoeber, Ganger & Gormley, Hobbs & Co., Simmons, Frauenfelder, A. Lange, McAdams, Central Floral Co., and Eaton's Flower shop for booths; Robert Craig Co., Philadelphia, Pa., for exhibit of foliage plants; Foley Mnfg. Co. and John Moninger Co., for model greenhouses; J. J. Mitchell, for seedling chrysanthemum.

First prize: Ernest Oechslin, Oak Park, Ill., for cyclamens; prize $15, J. Rosenwald for Thuya obtusa.

First class certificates: H. H. Barrows & Son, Whitman, Mass., for Nephrolepis Whitmani; Chas. H. Totty, Madison, N. J., for new single seedling chrysanthemum.

The Lectures.

The lecture feature with stereopticon views proved very popular. The programme included the following: "Making our Homes Attractive," by E. G. Routzahn, secretary Bureau of Civic Co-Operation, Chicago; "Park Utility," by C. B. Whitnall, Milwaukee, Wis.;

AT THE CHICAGO SHOW.

Floral booth of Chas. A. Samuelson, Chicago.

AT THE CHICAGO FLOWER SHOW BANQUET.
Auditorium hotel, November 8, 1906.

"Ornamental Gardening," by J. C. Blair, professor of horticulture, University of Illinois; "Welfare Work," by National Cash Register Co.; "School Gardening for Children," by Miss Susan B. Sipe; "Practical Home Ground Planting," by Frederic Cranefield, secretary State Horticultural Society, Madison, Wis.

Carnations at the Chicago Show.

I was much impressed with the display of carnations at the Chicago show. Many of the exhibits would have done credit to a February show. Perhaps the most sensational variety in the show was White Perfection. This variety is certainly rightly named for it is as near perfection in a white carnation as seems possible or reasonable to expect at present, and in all probability it will be many years before it will be outclassed. Judging from the reports it has made the same first class showing in all parts of the country where it has been tried. A well known grower remarked that it was no use to put up any other variety against White Perfection. I believe that it will hold the same place among whites that Lawson and Enchantress have held among the pink varieties.

Perhaps the varieties that next received the most favorable comment were Aristocrat and Winsor. The former is a dark or cerise pink of perfect form on long stems. Winsor is a very pleasing and beautiful shade of light pink, quite distinct. The keeping qualities of this carnation are truly wonderful. It shows much of the Lawson type and I and told, by people not financially interested, that it is a very free and healthy variety.

There were more entries of Enchantress than any other variety and there was not a poor vase in the whole lot. It was so close between the first and second that the judges were fully 30 minutes deciding and then they said that there was less than a point's difference between the two. Rose Pink Enchantress looked well and many people think that it will be as popular as the light variety in a few years. White Lawson as shown by Anton Then was grand for November and proved that when well grown it is hard to beat. Gov. Wolcott, as shown by Poehlmann Bros., were also extra fine.

Seedlings were not shown very extensively. The writer noticed a few that looked good but it is not very safe to judge a seedling without seeing it growing. A pink variety of the Lawson type from the B. K. and B. Floral Co., and a light pink about the same color as Rose Pink Enchantress, named J. A. Valentine, from the Chicago Carnation Co., looked very promising.

To sum it all up it is my opinion that the two new varieties of last year, Rose Pink Enchantress and White Perfection, have come to stay and that the demand for them will be greater than the supply; that Pink Lawson is still the best dark pink, and Enchantress the best light pink variety. Among the reds it is hard to choose between Robert Craig, Victory and Cardinal.

W. W. COLES.

NOTES.

The Hartshorne benefit booth netted $572.41. Much credit is due to W. P. Kyle for his persistent attention to this laudable work, and the heartiest thanks of the trade are due to Orr & Lockett, Chicago hardware merchants, for placing at the disposal of the committee a $400 ice box specially made for the occasion.

Reinberg's table of cut roses in variety, distinctly labeled, was one of the most attractive features of the show to the general public. A similar table of carnations in variety, well maintained throughout the week, would have proved equally popular.

Manager Asmus had the week of his life so far as work is concerned and he was badly handicapped toward the close by a bad foot, but he kept the ball rolling swiftly until the big hall was completely cleared.

One of the flower show managers instructed visitors how to make their back yards beautiful at a slight cost. Just as though we did not know enough to write to our congressman for seeds.—Chicago Daily News.

The American Rose Society did not lose anything in being represented by such men as Alex. Montgomery, John Burton, John N. May and Wm. H. Elliott.

The committee on privileges cleaned up almost $500, an excellent showing under the circumstances.

Fifteen thousand yards of laurel wreathing were used in decorating the hall.

Additional Visitors.

Out-of-town visitors continued to come all through the show, including Sunday, the closing day:

Arthur Bather, Minneapolis, Minn.
Ed. Bergstrom, Momence, Ill.
I. G. Bishop, Pontiac, Mich.
Harriett Carmichael, Kankakee, Ill.
Jas. Chacona, Milwaukee, Wis.
Frederick Cranefield, Madison, Wis.
J. W. Davis, Morrison, Ill.
Theo. A. and Miss Emily Dorner, LaFayette, Ind.
Miss H. B. Dudley, Galesburg, Ill.
H. A. Dubois, Danville, Ill.
Miss Julia Ecco, Minneapolis, Minn.
Miss Eckhart, Minneapolis, Minn.
Miss Ruth and Miss C. B. Flick, Fort Wayne, Ind.
Gust Frederickson, St. Joseph, Mich.
Perle B. Fulmer, Des Moines, Ia.
John Gipman, Niles, Mich.
Alex. J. Gutman, New York.
W. A. Hartman, South Haven, Mich.
A. M. Hills, Columbus, O.
Simon Hunfield and wife, Muncie, Ind.
Geo. W. Jack, Springfield, Ill.
Miss Leah Jennings, Galesburg, Ill.
P. N. Kapsalis, Milwaukee, Wis.
W. L. Kring and wife, Fairbury, Ill.
Oswald Milag, South Bend, Ind.
Mrs. E. Miller, Milwaukee, Wis.
Andre Nylof, Minneapolis, Minn.
John Nylof, Minneapolis, Minn.
I. G. Panos, Minneapolis, Minn.
Mrs. Chas. W. Pike, Racine, Wis.
Francis Robinson, Grand Rapids, Mich.
J. J. Salmon, Akron, O.
James Souden, Minneapolis, Minn.
Jerome K. Stock, Detroit, Mich.
Mrs. August S. Swanson, St. Paul, Minn.
Mrs. Wm. Swinbank, Sycamore, Ill.
L. R. Taft, Agricultural College, Mich.
J. F. Walstrum, Kalamazoo, Mich.
R. H. Wells, Kalamazoo, Mich.
Otto Will, Minneapolis, Minn.
G. Winburn, Milwaukee, Wis.
Violet S. With, Milwaukee, Wis.
Mrs. Wood, South Bend, Ind.

Pennsylvania Horticultural Society.

CONTINUED FROM LAST WEEK.

The displays of roses and carnations were not quite up to expectations. The quality was there but the entries were very meager. In the professional class Alfred Burton was easily first in the American Beauty contest with a vase of 50 magnificent blooms.

Wm. Kleinheinz was first in the amateur and private gardener class with 12 choice blooms, which were nearly, if not quite, up to the others.

Wm. Leonard, of Lansdowne, exhibited his seedling rose, not yet named. This is a very fine variety. In appearance it is not unlike La France, having the reflex petals of this old favorite. It is considerably darker in color, however, and seems a robust grower, the stems strong and the foliage large and dark green in color. It is the result first of a cross between American Beauty and Kaiserin, and this seedling crossed with Liberty. Mr. Leonard has given a house up to this variety and says it is a very free and continuous bloomer.

The carnation collection was very choice, what there was of it, there being some vases of Robert Craig, Lawson and Enchantress that were very fine. John E. Haines staged his new sport, Pink Imperial, a very large flower with good stem and almost the exact color of Lawson. He claims it to be just as free as this famous sort and a splendid grower that will do anywhere. If this is the case, he has a very valuable acquisition and it will soon be found in every collection. The F. R. Pierson Co., Tarrytown, exhibited Winsor, the new pink.

Coccoloba pubescens exhibited by the Wm. Graham Co. attracted considerable attention on account of its oddity. The specimen stood four feet high with leaves 15 to 18 inches in diameter about one foot apart. These were almost round and partially encircled the main stem of the plant, having no leafstalk.

Wm. Batchelor had two entries of merit. One was the new Asparagus Ducheri, a small plant of which was exhibited for the first time last year by the H. A. Dreer Co., who are the introducers to this country. Its native habitat is the Belgian Congo. It has all the earmarks of a commercial plant, its long tasseled leaves being ideal for decorative work. The other novelty was a seedling coleus, having a light yellow center with a broad dark green border. This is a very distinct and striking sort and will no doubt make a fine addition to the list of varieties for bedding out.

K.

The American Institute of New York.

The seventy-fifth annual fair of the American Institute of the City of New York was held in the Institute's quarters in the Berkeley Lyceum building, November 7-9. The large shows of previous seasons were somewhat accentuated in the minds of regular patrons by this season's affair, which was the opposite extreme in point of area and number of exhibits. Decorative and foliage exhibits were conspicuous by their almost entire absence, a few specimen plants here and there being all in this line to be seen. Nevertheless, the show was very creditable, and the stagings excellent. Chrysanthemums naturally formed the bulk of the exhibition. Charles H. Totty of Madison, N. J., made a fine showing of chrysanthemum novelties. He staged, among others, Mrs. Henry Barnes, a beautiful new pink; Buttercup, a yellow of considerable promise; M. M. De Moris, a beautiful new white; Geo. Lawrence, a new yellow possessing excellent commercial possibilities; Winter Cheer, a fine incurved pink, which was much admired; Mrs. Geo. Hunt, an excellent white; and Prest. Viger, a deep pink with yellow on reverse of petals. Mr. Totty also showed White Duckham, probably his best commercial new variety. In the section for bush plants Peter Duff of Orange, N. J., carried off the honors. There was a fair showing in the carnation section. The Cottage Gardens Co., of Queens, showed Alma Ward, their beautiful new white, in excellent shape. They also showed Mrs. C. W. Ward, Mrs. Tom Harvey, Beacon, Lieutenant Peary, and Robert Craig to advantage. The F. R. Pierson Co., Tarrytown, N. Y., showed a grand vase of Winsor, their new pink. There was a fairly good staging of roses, but for lack of room they were very poorly displayed. L. A. Noe of Madison, N. J., scored well in the prize list.

Lager & Hurrell, Summit, N. J., made a nice display of orchids in flower, but want of space prevented them from making a display in keeping with their resources. In their grouping were some excellent Cattleya labiata, cypripediums and phaleonopsis.

Among the awards were the following:

CHRYSANTHEMUMS.

Fifty blooms, one variety.—Ernest Ashley, Allentown, Pa., first; E. G. Hill Co., Richmond, Ind., second.

Thirty varieties, one bloom of each, 10-inch stems.—John J. McNicoll, Glen Cove, L. I., first; Wm. Turner, Oceanic, N. J., second.

Twenty varieties, one bloom of each.—Alex MacKenzie, first; J. J. McNicoll, second.

Ten varieties, one bloom of each.—Wm. Turner, first; Alex MacKenzie, second.

Ten blooms, any white variety.—Wm. Hastings, first; N. Butterbach, second.

Ten blooms, any pink variety.—Wm. Hastings, second.

Ten blooms, any yellow variety.—Wm. Turner, first; Alex MacKenzie, second.

Ten blooms, any bronze variety.—Alex MacKenzie, first; Thos. Atchison, second.

AT THE CHICAGO SHOW.

Display of pompons from the E. G. Hill Co., Richmond, Ind.

THE H. A. DREER CO.'S COLLECTION OF NEW AND RARE PLANTS AT THE PHILADELPHIA SHOW.

Six blooms, any crimson variety.—Wm. Turner, first.

Ten blooms, each different variety.—R. Vince, Morristown, N. J., first; J. S. Howarth, Yonkers, N. Y., second.

Eighteen blooms, in six varieties.—Wm. Turner, first; J. J. McNicoll, second.

Six blooms, white, any new variety.—C. H. Totty, Madison, N. J., first.

Six blooms, pink, any new variety.—George Hale, first.

Six blooms, any white variety.—Wm. Turner, first; George Hale, second.

Six blooms, any yellow variety.—Wm. Turner, first.

Six blooms, white, incurved.—Wm. Turner, first; Alex MacKenzie, second.

Six blooms, pink, incurved.—Wm. Turner, first; C. H. Totty, second.

Six blooms, yellow, reflexed.—J. J. McNicoll, first; Wm. Hastings, second.

Five blooms, any variety in commerce.—George Hale, first.

Six blooms, anemone, bronze.—J. J. McNicoll, first.

Six blooms, anemone, pink.—J. J. McNicoll, first.

Six blooms, anemone, white.—N. Butterbach, first.

Collection of hardy chrysanthemums.—Thos. Meehan & Sons, Philadelphia, special prize.

Collection of pompons.—John N. May, Summit, N. J., first; Oscar Carlson, Fairfield, Conn., second.

Vase of single chrysanthemums.—C. H. Totty, first; R. Vince, second.

Specimen bush plant, white.—Peter Duff, Orange, N. J., first; J. J. McNicoll, second.

Specimen bush plant, yellow.—Peter Duff, first; J. J. McNicoll, second.

Specimen bush, pink.—Peter Duff, first; J. J. McNicoll, second.

Twelve bush plants, as grown for market, in pots. Alex Mackenzie first.

Specimen standard, yellow. — Peter Duff, first.

Specimen, standard, white. — Peter Duff, first.

CARNATIONS.

Three varieties, 25 of each. — R. Vince, first; G. T. Schuneman, Baldwin, L. I., second.

The varieties Alma Ward, Mrs. C. W. Ward, Mrs. Tom Harvey and Beacon, exhibited by the Cottage Gardens Co., were awarded certificates.

VIOLETS.

100 blooms, single.—R. Vince, first.

100 blooms, double.—Geo. T. Schuneman, first.

ROSES.

Vase, 12 blooms American Beauty.—L. A. Noe, Madison, N. J., first.

Vase, 25 blooms, tea scented, J. N. May with Wellesley.

L. A. Noe also won chief honors in the other classes for pink, white, red and yellow tea scented roses. R. Vince also gained a first for yellow, and N. Butterback a close second on pink.

Hardy varieties, display.—First, Mrs. Percy G. Forbes.

Six ferns.—First, H. F. A. Lange; second, Henry Littlefield; third, Edward W. Breed; fourth, Hugo Book.

Eight decorative plants.—First, Edward W. Breed; second, Hugo Book; third, Allyne W. Hixon.

Gratituities. — Hanging ferns, Edward W. Breed; single chrysanthemums, Mrs. L. P. Kinnicutt, Misses Crompton, Mrs. Percy G. Forbes; seedling, Misses Crompton, fernery, A. Van Leeuwan; globes, Henry F. Littlefield; roses and violets, Henry F. Littlefield; roses, H. F. A. Lange; roses and carnations, Worcester Conservatories; chrysanthemums, Mrs. E. M. Gill, Mrs. J. C. Whitin; decorative plants, H. F. A. Lange; boys' bamboos and chrysanthemums, H. F. A. Lange; plants, Allyne W. Hixon.

Ontario Horticultural Association.

The third annual exhibition of the Ontario Horticultural Association, held at Toronto, November 6-10, was by far the most successful ever held in this city, both from point of attendance and for display of bloom and general arrangement. Though predicted that it was too early for the best blooms the flowers in the cut bloom section were considerably better than last year, as many as eight competing in some classes. The Black Dyke band of England at a cost of $2,000 gave nine concerts which no doubt were responsible for the splendid attendance. In the rose section the prizes were keenly contested for and the quality of the blooms shown was excellent. At the closing of the show a vase each of American Beauty and Killarney roses shown by J. H. Dunlop were in much better condition than when first entered. In the carnation section the entries were not so numerous as in other years, although the quality was of the best. The F. R. Pierson Co., of Tarrytown, showed a splendid vase of their Winsor, which was much admired. Lager & Hurrell, Summit, N. J., made a nice display of orchids. Chrysanthemum plants in the large specimen classes were not as numerous as would have been the case had the show been later in the season. The judges were: Chrysanthemums and plants, J. Wilshire, Montreal, Que.; roses, carnations and made-up work, E. Mepstead, Ottawa, Ont.

Visitors came from all parts, among whom were T. McKenna, Joseph Bennett, T. McHugh, Montreal, Que.; J. R. Fotheringham, of the F. R. Pierson Co., Tarrytown, N. Y.; Geo. Stuck, of Lager & Hurrell, Summit, N. J.; R. Cameron, Niagara Falls, Ont.; A. E. Ewing, Woodstock, Ont.; C. Scrim, Ottawa, Ont.; L. L. Van, Barrie, Ont.; R. Jennings, Brampton, Ont.; A. G. Johnston, Kingston, Ont.; A. Zirkman, of Rice & Co., Philadelphia, Pa.; T. W. Duggan, W. A. Algie and a delegation of 81 employes of the Dale Estate, Brampton, Ont.

The following are the awards:

Chrysanthemums, one specimen.—Allen Gardens, first.

One standard.—Allen Gardens, first; H. H. Fudger, second; Exhibition park, third.

Three specimens. — Allen Gardens, first; Exhibition park, second.

Specimens in 10-inch pots.—Allen Gardens, first.

Specimens, yellow, in 10-inch pots.—Allen Gardens, first.

Twelve single stems in 6-inch pots.—Allen Gardens, first; H. H. Fudger, second.

Twelve single stems, 8 varieties.—D. Robertson, first; Allen Gardens, second.

Specimen palms, 4 varieties.—Exhibition park, first; Allen Gardens, second.

Fifty ferns, 8 varieties, 3-inch pots.—T. Manton, first; Wm. Jay, second.

Six specimen ferns.—Sir Henry Pellatt, first; Exhibition park, second.

Orchids in flower.—H. Dale Estate, first; Exhibition park, second; Allen Gardens, third.

Six cyclamen in bloom.—Wm. Jay, first.

Twelve primulas in bloom.—H. H. Fudger, first.

Six pots of callas in bloom.—Sir Henry Pellatt, first; Wm. Jay, second; Allen Gardens, third.

Six begonias.—D. Robertson, first; Sir Henry Pellatt, second; Wm. Jay, third.

Twelve table plants in 6-inch pots.—T. Manton, first; Sir Henry Pellatt, second; Exhibition park, third; Allen Gardens, fourth.

Group of plants arranged for effect, Hallam Cup.—Exhibition park, first; Allen Gardens, second; Sir Henry Pellatt, third; T. Manton, fourth.

Display of orchids.—H. Dale Estate, first; Exhibition park, second; T. Manton, third; Allen Gardens, fourth.

Decorated dinner table, to seat eight, laid complete.—J. S. Simmons, first; A. Jennings, second; T. Manton, third.

Twenty-five cut chrysanthemums, distinct varieties.—D. Robertson, cup; H. Dale Estate, second; J. H. Dunlop, third; R. Cameron, Niagara Falls, fourth.

Twelve distinct varieties, Hallam cup.—T. McHugh takes the Hallam challenge cup and also Score's special prize for the largest bloom in the exhibition, 22½ inches; Sir Henry Pellatt, second; H. Dale Estate, third; J. H. Dunlop, fourth.

Twenty-five T. Eaton.—R. Jennings, Brampton, takes the Eaton cup.

Twenty-five Dr. Oronhyatekha cup.—R. Jennings.

Twenty-five, any variety.—Sir Henry Pellatt, first; D. Robertson, second; H. Dale Estate, third; J. H. Dunlop, fourth.

Vase of 50 roses, American Beauty excluded.—Bedford Park Floral Co., first; J. H. Dunlop, second; H. Dale Estate, third.

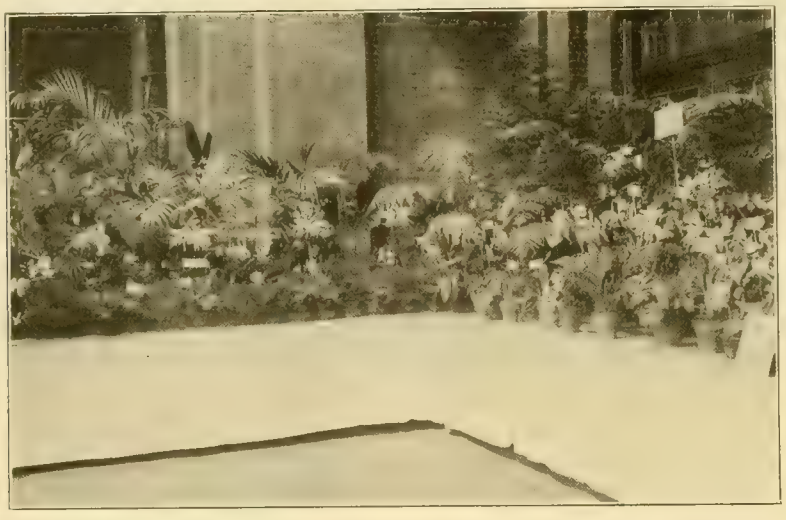
Cut violets.—H. Dale Estate, first; Carlton & Marx, Lampton Mills, second.

Bunch 50 single violets.—H. Dale Estate, first; Carlton & Marx, second; R. Jennings, third.

Best standing funeral design.—J. H. Dunlop, first; T. Manton, second; J. S. Simmons, third.

Basket of chrysanthemums.—J. S. Simmons, first; J. H. Dunlop, second.

Basket any flowers.—J. H. Dunlop,



GROUPS OF ORCHIDS AND FOLIAGE PLANTS AT BOSTON, MASS.

Exhibited by Mrs. J. L. Gardner and the Julius Roehrs Co.

Twelve, any variety.—H. Dale Estate, first; R. Cameron, second; Steele Briggs Co., third; North Toronto Floral Co., fourth.

Six distinct varieties, never before exhibited in Ontario.—T. McHugh, first; H. H. Fudger, second; H. Dale Estate, third; J. H. Dunlop, fourth.

Six white.—Steele, Briggs Co., first; H. Dale Estate, second; R. Jennings, third; Sir Henry Pellatt, fourth.

Six pink. — D. Robertson, first; H. Dale Estate, second; R. Jennings, third; Steele, Briggs Co., fourth.

Six yellow.—H. Dale Estate, first; R. Jennings, second; Sir Henry Pellatt, third; J. D. Manton, fourth.

Six crimson.—H. Dale Estate, first; Steele, Briggs Co., second; R. Jennings, third; H. H. Fudger, fourth.

Twenty-five white carnations, named.—H. Dale Estate, first; R. Jennings, second.

Twenty-five red, named.—H. Dale Estate, first; J. D. Manton, second.

Twenty-five light pink.—H. Dale Estate, first; R. Jennings, second; George Allan, Toronto Junction, third.

Twenty-five dark pink.—H. Dale Estate, first; George Allan, second.

Twenty-five crimson,—H. Dale Estate, first.

Twenty-five variegated.—H. Dale Estate, first.

Fifty, any variety, arranged loosely in vase.—H. Dale Estate, first.

Fifty, any variety, with any foliage.—H. Dale Estate, first; G. D. Manton, second; Sir Henry Pellatt, third.

Ten cut roses, yellow.—H. Dale Estate, first; J. H. Dunlop, second.

Ten white.—Toronto Floral Co., first; H. Dale Estate, second; J. H. Dunlop, third.

Ten pink.—H. Dale Estate, first; Bedford Park Floral Co., second; J. H. Dunlop, third.

Ten crimson.—H. Dale Estate, first; J. H. Dunlop, second.

Ten light pink.—J. H. Dunlop, first; H. Dale Estate, second; Bedford Park Floral Co., third.

Ten, any other color.—H. Dale Estate, first; Toronto Floral Co., second.

Ten American Beauty roses.—J. H. Dunlop, first; H. Dale Estate, second; George Allan, third.

Twenty-five American Beauty roses.—H. Dale Estate, first; J. H. Dunlop, second; J. D. Manton, third.

first; J. S. Simmons, second.

Table center piece of chrysanthemums.—J. H. Dunlop, first; J. D. Manton, second; J. S. Simmons, third.

Hand bouquet.—J. S. Simmons, first; J. H. Dunlop, second; T. Manton, third.

H. G. D.

Lake Geneva Gardeners.

The Lake Geneva Gardeners' and Foremens' Association held its second annual flower show in Loncs opera house at Lake Geneva, Wis., November 9 and 10. The show was formally opened by Chas. L. Hutchinson in a very appropriate address. The hall decoration was made of oak leaves and evergreens very tastefully arranged. The flowers and plants were well grown, far superior to those of last year and the competition was keen all around. The people of Lake Geneva showed their appreciation by turning out very liberally and the exhibition hall was crowded all the time by admirers of the autumn beauties. Following is the premium list:

CUT CHRYSANTHEMUMS.

Best six blooms, white, one variety,—Frank Keuhne, gardener to O. W. Potter, first; Ed. Sundgren, gardener to K. Fairbank, second; Albert Reupke, gardener to H. C. Lytton, third.

Best six blooms, yellow, one variety.—Axel Johnson, gardener to R. T. Crane, first; William Wahlstedt, gardener to Geo. Sturgis, second; Frank Keuhne, third.

Best six blooms, pink.—A. J. Smith, gardener to J. J. Mitchell, first; Raymond Niles, gardener to W. S. McCrea, second; Albert Reupke, third.

Best six blooms, red.—Axel Johnson, second.

Best six blooms, any color.—A. J. Smith, first; Frank Keuhne, second; Axel Johnson, third.

Best 25 blooms, mixed.—A. J. Smith, first.

Best six blooms Major Bonnaffon, yellow.—A. J. Smith, first; Frank Keuhne, second.

Best six blooms, Timothy Eaton.—Button Bros., first; Frank Keuhne, second.

Best six blooms Enguehard.—Frank Keuhne, first; Button Bros., second.

Best six blooms of Shrimpton.—Frank Keuhne, first.

Best six blooms, Appleton.—Wm. Wahlstedt, first; Frank Keuhne, second; Button Bros., third.

Best six blooms Queen. — Button Bros., first; Axel Johnson, second.

Best six blooms Viviand Morel.—Frank Keuhne, first; Axel Johnson, second; Albert Reupke, third.

Best six blooms Robinson.—Axel Johnson, first.

Best six blooms Richardson.—Wm. Wahlstedt, first.

Best collection blooms.—Axel Johnson, first.

Best six sprays white, one variety.—Frank Keuhne, first; Wm. Longland, gardener to C. L. Hutchinson, second.

Best six sprays pompon, yellow, one variety.—Frank Keuhne, first; Wm. Longland, second; Axel Johnson, third.

Best six sprays pompon, pink,—Wm. Longland, first; Frank Keuhne, second.

Best six sprays pompon, red.—Wm. Longland, first; Frank Keuhne, second.

MORRIS COUNTY GARDENERS' AND FLORISTS' SOCIETY, MADISON, N. J.

Partial view of floor from gallery, showing center group at flower show.

Best collection sprays pompon.—Wm. Longland, first; Frank Keuhne, second.

Best six sprays anemone, white.—Axel Johnson, first; Wm. Longland, second; Frank Keuhne, third; Albert Reupke, special.

Best six sprays anemone, yellow.—Wm. Longland, first.

Best six sprays, anemone, pink.—Frank Keuhne, first; Wm. Longland, second.

Best six sprays anemone, red.—Wm. Longland, first; Frank Keuhne, second.

Best pompon, yellow.—Wm. Longland.

Best anemone, yellow.—Wm. Longland.

Best anemone, pink.—Wm. Longland.

Best anemone, white.—Wm. Longland.

Best anemone, red—Wm. Longland.

Best group of anemones, 50 square feet limit.—Wm. Longland.

Best group pompons, 50 square feet limit.—Wm. Longland, first; Wm. Wahlstedt, second.

CHRYSANTHEMUM DR. ENGUEHARD AT HARRY S. HOPKINS', BINGHAMTON, N. Y.

S. B. Chapin's prize for the best group of anemones, Wm. Longland.

Mrs. W. S. McCrea's prize for the best specimen anemone, any variety, Albert Reupke.

Mrs. H. C. Lytton's prize for the best 25 carnations, A. J. Smith.

C. L. Hutchinson's prize for the best collection of cut anemones, Wm. Longland.

C. L. Hutchinson's prize for the best collection of cut pompons, Wm. Longland.

H. M. Dickenson's prize for the best 12 yellow chrysanthemums, A. J. Smith, first; Frank Kuehne, second.

The Arthur Boddington prize for the best 12 pink chrysanthemums, A. J. Smith.

The Arthur Boddington prize for the best 12 white chrysanthemums, Frank Kuehne.

New Haven Horticulturol Society.

The annual floral fete and competition of the New Haven Horticultural society opened at the new music hall November 6. The display in the various classes was of a very high standard and competition was very keen.

Among the out of town exhibitors who carried off honors were Henry Cliff, gardener to O. G. Jennings of Fairfield, Conn.; A. Bretschneider, gardener to J. Habinger; Walter Angus, gardener to Robert Scoville of Chapinville, Conn.; J. P. Lorenson, gardener to Stewart Smith, Stamford; Oscar Carlson, gardener to Mrs. O. B. Jennings, Fairfield; Edward Jenkins of Belfountaine gardens, Lenox, Mass.; J. T. Burns, gardener to Miss Bliss, New Canaan; William Slack, Stamford.

Among the special displays for exhibition only were a group of palms and cut flowers by John H. Murray, Yale botanical gardens. A splendid display including many rare plants was made by David Kydd, gardener to Mrs. Francis Wayland. Much interest was taken in the amateur class. The Elm City Nursery Co. and the Frank Platt Co. both have special exhibits at the show.

The awards of premiums were as follows:

Best group of plants and cut flowers arranged for general effect not to exceed 100 square feet floor space, open to florists only.—First, Frank Platt Co.

Best group foliage and flowering plants not to occupy over 75 feet of floor space.—First, Robert Paton; second, D. Kydd.

Best display of seeds, bulbs, tools and garden fixtures.—First, F. Platt.

Best collection of orchids.—First, Henry Cliff.

Best specimen, palm, any variety.—First, D. Kydd, Robert Paton.

Best specimen cycas.—First, Ernest Carroi; second, Paton.

Best specimen tree fern, any variety.—First, Kydd; second, Paton.

Best specimen rubber plant.—First, Carroi; second, James Bruce.

Best collection anemone.—Wm. Longland, first; Frank Keuhne, second.

ROSES.

Best 12 blooms American Beauty.—A. J. Smith, first; Axel Johnson, second.

Best 12 blooms pink, any variety.—A. J. Smith, first; Axel Johnson, second.

Best 12 blooms yellow, any variety.—Axel Johnson, first.

Best 12 blooms red, any variety.—Albert Reupke, first; Axel Johnson, second.

CARNATIONS.

Best 12 blooms white, any variety.—A. J. Smith, first.

Best 12 blooms, dark pink, any variety.—A. J. Smith, first; Axel Johnson, second; Albert Reupke, third.

Best 12 blooms, red, any variety.—Axel Johnson, first; A. J. Smith, second.

Best 12 blooms, new varieties.—Axel Johnson, first.

Best 12 spikes lily of the valley.—Frank Keuhne.

Best 50 violets.—A. J. Smith, first; Axel Johnson, second; Frank Keuhne, third. In this competition the quality of the exhibits were so nearly equal that it was a difficult matter for the judges to place the prizes.

CHRYSANTHEMUM PLANTS.

Best specimen white, any variety.—A. J. Smith.

Best specimen pink, any variety.—Frank Keuhne.

Best specimen yellow, any variety.—A. J. Smith.

Best specimen pompon, any variety.—William Longland.

Best specimen anemone, any variety.—Albert Reupke.

Best six single stem, white.—Albert Reupke.

Best six single stem, pink.—Albert Reupke.

Best 25 single stem, mixed colors.—Axel Johnson.

Best standard, any color.—A. J. Smith.

Best standard, yellow.—A. J. Smith, first; Vaughan's Seed Store, Chicago, second; Albert Reupke, third.

Best standard pink.—A. J. Smith.

Best pompons, any color.—Wm. Longland.

Best pompon, red.—Wm. Longland.

Best pompon, white.—Wm. Longland.

Best pompon, pink.—Wm. Longland.

A CORNER OF THE ORANGE, N. J., SHOW.

Best hanging basket Asparagus Sprengeri.—Albert Reupke, first; A. J. Smith, second.

Best hanging basket Boston fern.—Albert Reupke, first; A. J. Smith, second.

Best six begonias, any variety.—Albert Reupke, first.

Best six Begonia Rex.—Axel Johnson, first; Albert Reupke, second.

Best six Begonia Gloire de Lorraine.—Frank Keuhne, first.

Best six heliotrope.—Albert Reupke, special.

Best three callas.—Frank Keuhne.

SPECIAL AWARDS.

In the special prizes A. J. Smith won the sweepstakes prize for the best general display of cut chrysanthemums.

Frank Kuehne was first, Axel Johnson second, for the best general display of chrysanthemum plants.

Best specimen asparagus, any variety.—First, A. Breitschneider; second, A. J. Thomson.

Best specimen Boston fern.—First, Carroi; second, Bruce.

Best specimen Nephrolepis Piersoni.—First, Breitschneider; second, Kydd.

Best specimen adiantum.—First, Paton; second, Breitschneider.

Best three greenhouse foliage plants.—First, Kydd; second, Paton.

Best three greenhouse flowering plants.—First, A. Breitschneider.

Best six ferns, six varieties in pots or pans not over 12 inches.—First, Paton; second, Carroi.

Best specimen chrysanthemum plant in pot not over 12 inches in diameter, trained in bunch form.—First, Carroi.

Best 12 chrysanthemum plants in six varieties, one flower to each plant, to be grown in six-inch pots.—First, W. Angus.

Best six chrysanthemum plants, six varieties, one flower to each plant, to be grown in 6-inch pots.—First, W. Angus.

Best 25 chrysanthemum plants, six or more varieties, with six or more flowers on each plant, in pots not over seven inches in diameter.—First, A. J. Thomson.

Best six pompon chrysanthemum plants, distinct varieties, in pots.—First, H. Cliff.

Best collection of fruited branches of trees, shrubs and vines.—First, D. Kydd, Jr.

Most artistic basket of berries, flowers and autumn foliage, open to ladies only.—First, Mrs. Breitschneider.

CUT BLOOMS.

Best 36 blooms, six varieties, six each, 30-inch stems.—First, Edwin Jenkins, with six splendid vases of Jones, Morton F. Plant, Mary Inglis, D. V. West, F. S. Vallis and Wm. Duckham. Second, Henry Cliffe, gardener to C. G. Jennings, Fairfield, Conn. Third, Oscar Carlson, gardener to Mrs. C. B. Jennings, Fairfield, Conn.

Best 30 chrysanthemum blooms, 10 varieties, three of each.—First, Cliff; second, Kydd.

Best 24 chrysanthemum blooms, 12 varieties. Introductions of 1906 debarred from this class.—First, Cliff; second, Carlson.

Best 18 chrysanthemum blooms, 18 varieties, 15 inches of stem, one flower to a vase.—First, Jenkins; second, Carlson.

Best 12 pink chrysanthemum blooms, one variety.—First, Carlson; second, Angus.

Best 12 white chrysanthemum blooms, one variety.—First, Carlson; second, Angus.

Best 12 yellow chrysanthemum blooms, one variety.—First, Carlson; second, Angus.

Best 12 and any other color chrysanthemum blooms, one variety.—First, Cliff.

Best 12 tea-scented white roses.—First, J. P. Stevenson; second, A. J. Long.

Best 12 tea-scented pink roses.—First, A. J. Long; second, Carlson.

Best 12 tea-scented pink roses.—First, Long; second, Lorenson.

Best 12 of any other variety of roses.—First, Lorenson.

Best six American beauty roses.—First, Cliff; second, Lorenson.

Best 25 red carnations.—First; Cliff; second, Carlson.

Best 25 white carnations.—First, Carlson; second, Cliff.

Best 25 light pink carnations.—First, Carlson; second, Cliff.

Best 25 dark pink carnations.—First, Carlson; second, Cliff.

Best 25 carnations, four or more varieties, open to private gardeners only.—First, Lorenson; second, Cliff.

Best 12 carnations from a seedling not yet disseminated. Must be as good or better than standard varieties.—First, Cliff.

Best bunch of 400 violets, double variety.—First, John Sclombs; second, William Stock.

Best bunch of 50 violets, double variety, open to private gardeners and amateurs only.—First, Stock.

Best six chrysanthemum blooms, three varieties, open to amateurs only.—First, James Moore.

Dutchess County Horticultural Society.

The twelfth annual exhibition of the Dutchess County Horticultural Society opened at the state armory at Wappingers Fall, N. Y., November 6.

Among those who offered prizes were F. B. Lown, Irving Grinnell, Mrs. A. Rogers, Charles Mitchell, C. J. Reynolds, Mrs. Frances Dinsmore, Peter Henderson & Co., Horatio N. Bain, and Clarence Lown.

The following is a list of the prize winners:

Chrysanthemums in pots, best six plants.—Archibald Rogers, Hyde Park, first.

Foliage and flower plants, for the best round table of ornamental and flowering plants, arranged for effect.—Archibald Rogers, first; Wm. P. Clyde, New Hamburgh, second.

Group of ornamental foliage plants, arranged for effect.—Archibald Rogers, first.

Best group of chrysanthemums in pots.—Archibald Rogers, first.

Six decorative foliage plants.—Archibald Rogers, first; W. P. Clyde, second.

Table of decorative foliage plants.—Archibald Rogers, first; W. P. Clyde, second.

Best specimen plant asparagus.—A. Rogers, first.

Best specimen fern.—A. Rogers, first.

Best specimen begonia.—Winthrop Sergeant, Fishkill Landing, first.

Best arranged basket of chrysanthemums.—W. Sergeant, first.

Cut flowers, chrysanthemums.—Best vases of 25 yellow, W. Sergeant, first; 36 blooms, Ogden Mills, first; F. M. Vanderbilt, second; 12 blooms, white, W. Sergeant, first; Chauncey Marshall, New Hamburgh, second; 12 blooms, yellow, Wm. P. Clyde, first; 12 blooms, pink, F. W. Vanderbilt, first; C. Marshall, second; 12 blooms, any other color, F. W. Vanderbilt, first; W. P. Clyde, second; six blooms, white, Ogden Mills, first; F. W. Vanderbilt, second; six blooms, pink, O. Mills, first; W. Sergeant, second; six blooms, yellow, F. W. Vanderbilt, first; W. Sergeant, second; six blooms, crimson, C. Marshall, first; F. W. Vanderbilt, second. For vase of 25, W. Sergeant, first; Fred Heeremans, Lenox, second; 24 blooms, distinct varieties, F. W. Vanderbilt, first; W. P. Clyde, second; 12 blooms, distinct varieties, F. W. Vanderbilt, first; O. Mills, second.

Cut roses.—Twenty American Beauty, Archibald Rogers, first; O. Mills, second. Collection of roses, four varieties, F. Heeremans, first; 12 roses, pink, G. L. Haight, Staatsburgh, first; O. Mills, second; 12 roses, white, W. J. Saltford, first; John J. Riker, Portchester, second; 12 roses, crimson, O. Mills, first; J. J. Riker, second.

Carnations.—Twenty-five light pinks, F. W. Vanderbilt, first; J. J. Riker, second; 25 dark pinks, F. W. Vanderbilt, first; W. J. Saltford, second; 25 reds, W. J. Saltford, first; A. W. Williams, Highland, second; 25 variegated, W. J. Saltford, first; W. P. Clyde, second; 25 crimson, W. P. Clyde, first; A. W. Williams, second; 25 whites, W. J. Saltford, first; W. P. Clyde, second; 24 blooms, J. Riker, first; F. W. Vanderbilt, second; best seedling carnation, Adam Loub & Son, Hughsonville, certificate of merit.

Mayor Hine prize, for best 200 double blue violets.—George A. Saltford, Rhinebeck.

Charles Mitchell prize, for best 100 double blue violets.—Benjamin Willig, Poughkeepsie.

C. J. Reynolds prize, for private gardeners, 50 double blue violets.—F. W. Vanderbilt.

C. J. Reynolds prize, for best collection of hardy chrysanthemums.—A. Rogers.

The following is a list of the judges: William Turner, Oceanic, N. J.; Thos. Harrison, Glen Cove, L. I.; R. W. Allen, Hudson.

Orange, N. J.

The twelfth annual exhibition of the New Jersey Floricultural Society was held in the auditorium of the woman's club of the Oranges November 5-6, and brought out a good competition. Chrysanthemums, roses, orchids, carnations, and ornamental plants combined to form one of the most artistic displays ever made in this section. There were 20 principal exhibitors and 65 cash prizes, 18 of which were donated by patrons, amounting in all to $150.00.

The awards were as follows:

Group of chrysanthemums and foliage plants, 75 square feet.—A. Colgate (Geo. Reid, gardener), first; Wm. Runkle (D. Kindsgrab gardener), second.

Display of orchids with ferns and foliage plants for effect, 35 square feet.—Wm. Barr (A. W. Godwell gardener), first.

Single orchid in flower.—Wm. Barr, first; N. Bradley (R. Carruthers gardener), second.

Twelve chrysanthemums, four varieties, 6-inch pots.—J. Crosby Brown (Peter Duff gardener), first; A. C. Van Gassbeeck (W. Bennett gardener), second.

Six plants, single stem.—J. Crosby Brown, first; A. C. Van Gaasbeeck, second.

Bush plant.—J. Crosby Brown, first.

Flowering plant other than chrysanthemum.—J. Crosby Brown, first.

Foliage plant.—Wm. Runkle, first; Wm. Barr, second.

Specimen fern.—J. Crosby Brown, first; Wm. Runkle, second.

Cut flowers, chrysanthemums, 12 distinct varieties.—J. Crosby Brown, first; A. B. Jenkins (Geo. Von Qualen gardener), second.

Six white.—J. Crosby Brown, first; A. B. Jenkins, second.

MORRIS COUNTY GARDENERS' AND FLORISTS' SOCIETY, MADISON, N. J.

Grouping on stage of chrysanthemums and foliage plants at the flower show.

Six yellow.—Mrs. Wm. Pierson (Chas. Ashmead gardener), first; A. B. Jenkins, second.

Six pink.—Stewart Hartshorne (A. F. Coparn gardener), first.

Six bronze.—J. Crosby Brown, first; A. B. Jenkins, second.

Six crimson.—A. B. Jenkins, first.

Four varieties pompons.—John N. May, Summit, N. J., first; J. Crosby Brown, second.

The Peter Henderson prize for 12 cut roses.—A. B. Jenkins, first; J. Crosby Brown, second.

Twenty-five carnations.—A. B. Jenkins, first; S. and A. Colgate, second.

Fifty double violets.—J. Crosby Brown, first; A. B. Jenkins, second.

Fifty single violets.—J. Crosby Brown, first; Chas. Hashaway (Max Schneider gardener), second.

Chas. H. Totty's prize for six flowers of Morton F. Plant chrysanthemum.—J. Crosby Brown, first; Mrs. Wm. Pierson, second.

Artistic floral arrangement.—Hales, florist, East Orange, N. J., first; Mrs. Pierson, second.

Entries for exhibition only and certificated were as follows:

Lager and Hurrell.—A tasteful display of orchids, 15 square feet.

Chas. H. Totty.—Six magnificent blooms of the distinct variety. White Duckham, a prototype of its pink namesake.

F. R. Pierson of Tarrytown, N. Y.—Vase of carnation Winsor.

John Reimels, Woodhaven, N. Y.—Vase of carnation Winsome which have been in the possession of the secretary and now, five days after the show, are as fresh as ever.

Popkin & Collins.—Decorative group of chrysanthemums and table of pompons.

J. Hansen.—Group for artistic effect.

H. C. Potter.—Vase of Appleton seedling carnations.

Chas. Hathaway, Max Schneider, gardener.—Vase of Killarney roses.

T. A. Gillespie, George Oakley, gardener.—Vase of pompons. J. B. D.

Worcester County Horticultural Society.

The chrysanthemum exhibition of the Worcester County Horticultural Society, held in its own hall, November 8, was very artistically arranged. In the center was a large group of palms and ferns by H. F. A. Lange, the platform by Hugo Book, the center of the sides by Henry F. Littlefield and H. F. A. Lange, for which they received gratuities. At the corners of the hall were large groups of decorative plants by Edward W. Breed, Hugo Book and Allyne W. Hixon, receiving premiums in order given. In front of the platform tables with vases containing over 500 roses and carnations from the Worcester Conservatories; on the sides of the hall tables of roses from H. F. Littlefield and H. F. A. Lange. Pot plants of single chrysanthemums from Mrs. L. P. Kinnicutt and the Misses Crompton and Mrs. Percy G. Forbes, Ferneries and globes from A. Van Leeuwan and H. F. Littlefield. Suspended from the gallery were two immense nephrolepis ferns from Edward W. Breed.

The vases of large blooms were arranged on tables about eight inches high. The library was used for the special exhibition of apples for the Eames prize. This exhibition, as are all of this society, was free to the public. There was a large attendance.

PRIZE WINNERS.

Twelve blooms, named.—First, Mrs. J. C. Whitin; second, George W. Knowlton; third, Henry F. Littlefield.

Six blooms, named.—First, George W. Knowlton; second, Mrs. J. C. Whitin; third, Henry F. Littlefield.

Large vase, twenty-five blooms.—First, Mrs. J. C. Whitin; second, H. F. A. Lange; third, George W. Knowlton; fourth, Henry F. Littlefield.

Large vase, ten blooms, white.—First, Mrs. J. C. Whitin; second, George W. Knowlton; third, Henry F. Littlefield; fourth, Stonewall Farm.

Large vase, ten blooms, pink.—First, Mrs. J. C. Whitin; second, H. F. A. Lange; third, Misses Crompton; fourth, H. F. Littlefield.

Large vase, ten blooms, yellow.—First, Mrs. J. C. Whitin; second, George Knowlton; third, Henry F. Littlefield; fourth, Misses Crompton.

Large vase, six blooms, pink.—First, Mrs. J. C. Whitin; second, H. F. A. Lange; third, George W. Knowlton.

Large vase, six blooms, red.—First, George W. Knowlton; second, Mrs. J. C. Whitin; third, H. F. A. Lange.

Large vase, six blooms, yellow.—First, Mrs. J. C. Whitin; second, George W. Knowlton; third, Henry F. Littlefield.

Large vase, six blooms, white.—First, Mrs. J. C. Whitin; second, George W. Knowlton; third, Edward W. Breed.

Large vase, six blooms, any other color.—First, Mrs. J. C. Whitin; second, George W. Knowlton; third, Stonewall Farm.

Best single bloom.—First, George W. Knowlton; second, Mrs. J. C. Whitin; third, Henry F. Littlefield.

CHRYSANTHEMUMS

Influence of Climatic Conditions on Chrysanthemum Culture.

Paper by E. G. Hill, Richmond, Ind., read before the Chrysanthemum Society of America, Chicago, November 7, 1906.

The responsibility of writing a paper on the subject of chrysanthemums, or on any branch pertaining thereto, is no small one. Since the beginning of the chrysanthemum era, much has been written on the subject; so much indeed has been written and printed, and so much of value withal, that it smacks of pure presumption for me to undertake to speak entertainingly upon any branch of chrysanthemum culture.

Would you know how to take care of your stock plants? Would you inquire as to the best time to take cuttings or the best kind of cuttings to take. Would you ask as to the ideal soil, as to the best methods of shipping and marketing, or a complete set of rules for growing, staging and exhibiting chrysanthemums at the annual exhibitions, you would naturally turn to the very able and excellent book published by our ex-president, Arthur Herrington, or the older, but no less valuable work published by Elmer D. Smith, that old-time expert of Adrian, Mich.

Then, look at our cultural notes in the trade papers. What volumes these notes would make if brought together into book form. In justice to the judgment and ability of the writers for these papers, I believe that a compiler of these notes would find it hard to cut anything out, for they are of universal value. With all these facts staring me in the face, it becomes a very hard problem to select a branch of this subject on which I may say anything, other than repetitions and quotations from abler men. However, facing the necessity of fulfilling a promise made without the full realization of its responsibility, I have decided to make a few remarks along the line of the influence of climatic conditions upon the culture of chrysanthemums.

No doubt, many of the members present have read the very valuable work from the hands of W. Wells, the famous chrysanthemum expert of England. In this book, Mr. Wells endeavors to describe the methods which have won him so many prizes and so much honor before the National Chrysanthemum Society of England, yet after a study of this book, with my mind entirely open to conviction, and with a desire to learn from him, it is exceedingly hard to find any point of value for our part of the country.

The most able chrysanthemum notes which have been published in the United States in years are coming from time to time from the pen of our honored member, Mr. Totty, yet there are points in his notes which will scarcely fit the ultra-dry atmospheric conditions facing us in the central states. Mr. Wells very carefully directs his readers to avoid over-watering as one would avoid a serpent. In Indiana, it is extremely difficult to over-water chrysanthemums when they are growing vigorously during the hot summer months. Our greatest trouble lies in our benches drying out at the bottom while we are carefully watering on top, so we find that to succeed in producing fine flowers, we must daily go to the bottom of our benches to discover whether the water is penetrating the depth of the bench.

Mr. Wells grows his magnificent exhibition blooms in pots, setting upon cement ledges outdoors. On the other hand, we of Indiana, plant our chrysanthemums in a bench constructed with a view to "keeping their feet cold." We have become firmly convinced that benches with too thorough drainage are not the best benches for chrysanthemum growing. Of course, we must always avoid letting our soil become water-logged, but it is very difficult in our section of the country where the air in the summer is intensely hot and dry, and where evaporation from foliage is extremely rapid, to over-water chrysanthemums.

The influence of climate upon the selection of buds for obtaining the best results with the different varieties is a subject of the utmost interest. It is certain that chrysanthemums do not act in this country, at least in our section, in the same manner as they do in England, or even along our eastern coast. We are convinced that it is much more difficult to properly develop first crown buds in our section of the country than in a locality where the atmosphere is somewhat more humid. On the other hand, we have less excuse for losing flowers from damping.

The English writers tell of their methods of timing the buds. We have repeatedly attempted to accomplish something of this kind, but find that it is utterly impossible to change the date of any particular variety to any considerable extent. The reason we assign is the subject of this paper. To explain more fully our view, where the weather is cool and much of the time cloudy, the conditions for growing chrysanthemums are far more fully under the control of the grower, and he may by studying individual varieties control his results. Where the atmosphere is dry and evaporation from the foliage is rapid, chrysanthemums grow and develop more in accordance with nature's laws and are less under control of the operator. How often we have followed the directions given by our English friends regarding first crown buds, only to see the result of our year's work a great abnormal flower, commonly known as a "bull head," instead of the beautiful bloom as described in the catalogue.

It is generally understood that the French growers are unable to produce flowers of the size or color to compare

with those grown by many experts in England. In spite of the wonderful blooms produced by prominent members of this society in the east, we have understood that they are somewhat behind our English friends also. Now, is it not entirely possible that conditions in France and the United States, which we know are somewhat alike as to climate, may prove the stumbling block? It has always seemed very peculiar to us that the varieties originating in France are frequently beautiful upon the terminal bud, while varieties which come from England, as a class, are worthless on this bud. It is certain that we get by far the most beautiful color on our terminals, while in England, the use of a terminal bud is the exception rather than the rule.

I am loathe to believe that the growers in this country are behind our English friends in ability, and I would not do credit to the west did I not say that the men of the west are as well able to grow fine flowers as those in the east. It comes down to a question of local conditions, and I am firmly convinced that the climate is the most potent factor of all.

New Chrysanthemums at Pittsburg.

At the regular monthly meeting of the Pittsburg and Allegheny Florists' and Gardeners' Club, November 6, there was a very beautiful display of chrysanthemum flowers both from home and distant growers. Prominent among all stood a group of new varieties, magnificent blossoms, from the E. G. Hill Co., Richmond, Ind. So strikingly fine were these that a special committee was appointed to report on them, John W. Jones, the president of the club being chairman, and the other members of it, P. S. Randolph, Robt. Chive, and Wm. Falconer.

Grandest of all the blooms was Detroyat, a clear pale pink, lights up beautifully at night, and very large. Mr. Randolph declared it is the best pink chrysanthemum he ever saw.

Others were: Mme. L. Roussel, incurved golden bronze, very large and full; one of the finest of its color.

Mme. I. Rivol, bronze pink, large, full, solid; a good commercial flower.

M. Pechow, golden yellow, full open flower; good for private growers.

Mrs. Geo. Beach, incurved golden yellow, very full and fine, reminding one of Bonnaffon.

M. George Traffaut, clear yellow, incurved, very full; very fine commercial or otherwise; paler in color, but style of Bonnaffon.

Marie Viullermet, clear pure white, somewhat flat, suggestive of Silver Wedding, but larger.

Dubuison Foubert, warm yellow, very large, very full of petals, suggestive of Golden Wedding, but paler; fine for private growers.

Mlle. Suzanne Gauthiers, pure white, reflexed narrow petals, but globular-shaped head, later than the others.

Beatrice May, pure white, very large and full, fine stem and good foliage.

Amateur Conslel, a very fine bold, velvety crimson, full headed flower with excellent stem.

Chrysanthemum Society of America.

WORK OF THE COMMITTEES.

Chicago, November 3. — Claremont, yellow, exhibited by Adam Wolnewicz, Chicago, scored 80 points commercial scale.

Boston, November 3.—White sport of Wm. Duckham, Japanese incurved, exhibited by Chas. H. Totty, Madison, N. J., scored 86 points commercial scale and 88 points exhibition scale.

Philadelphia, November 6.—Mlle. E. Chabanne, light pink, loose incurved, exhibited by the E. G. Hill Co., Richmond, Ind., scored 87 points commercial scale and 87 points exhibition scale.

Cincinnati, November 10. — Charles Ragee, Ivory white, incurved, exhibited by John Tries, Newport, Ky., scored 86 points commercial scale.

No. 74-4-05, pink, Japanese incurved, exhibited by Nathan Smith & Son, Adrian, Mich., scored 83 points commercial scale.

No. 55-4-05, bronze, Japanese reflexed, exhibited by N. Smith & Son, scored 80 points exhibition scale.

DAVID FRASER, Sec'y.

Florists' Plant Notes.

FOR LATE NOVEMBER.

AZALEAS.—Of the half dozen or more varieties of Azalea Indica that can be relied upon as good for very early forcing, Apollo, Simon, Mardner, Vervæneana and Deutsche Perle are the best. The last named sort forces easiest, the most evenly balanced in form and most perfect in bloom; but being a white flowering variety it lacks the holiday cheer of the others. Nevertheless it is forced extensively for Christmas, its color apparently being no bar to public appreciation. These early varieties should be potted up as soon as received. Most azaleas, when arriving, are burdened with a ball of compactly packed roots entirely too bulky to permit the use of pots that would be of proportional size to the crowns. No harm will come from reducing the ball of roots to the proper size by cutting it down all around with a sharp instrument. After that the balls should be submerged in water to make certain of their being wet clear through before being placed in the new soil used in potting. This should be a clean grade of ordinary good potting soil, rammed down firmly around the old ball of roots with a potting stick. Success in the forcing of azaleas in part depends on this operation being well done so that in applying water this is led toward the root center instead of draining uselessly through the new earth. After having stood a day or two in a shady and cool place forcing may begin in a temperature of 55°, gradually going up to 65°, and even a few degrees higher should the need of urgent measures justify such a course. During that process much watering and sprinkling is needed.

LILIES.—When it is noticed that the foliage of lilies under forcing shows withered or dried up tips, it is time to look for the cause of the disfigurement. It is often laid to heavy fumigation when it could easily be traced to over-watering. A lily with yellowish or red tipped leaves has lost much in beauty and its value commercially is greatly reduced. Another great defect in lilies is the lack of gracefulness. The appearance of most of the stunted stock marketed every year gives plain evidence of faulty treatment. The common causes are irregularity in watering, instability of temperature, but more often a sudden lowering of heat in transferring to cool quarters before the plants have reached that stage when this carries no risk. Hardening off should never be undertaken before most of the buds have turned from green to white. As the flowers open remove the stamens with a pair of scissors before the scattering pollen spoils the purity of the petals.

STEVIAS.—Most useful flowers are those of Stevia serrata, coming, as they do, at a season when they are most appreciated. Mixed with flowers of a less airy character they lend grace to any kind of floral work. If the plants are kept in a warm greenhouse, they will soon be done flowering, too soon for being of any service at the holidays, when they would be most welcome. Forty degrees is high enough for stevias. After flowering some of the plants should be retained for next year's stock.

ERICAS.—The greatest drawback to entire success in the culture of ericas is mildew. This is the season when the disease easily gains quickly, unless good care is taken of the plants. Most of these will now be far enough advanced to endure fire heat without resenting it and this must now be called upon to assist ventilation in keeping the atmosphere dry and buoyant. A crowded stand and a warm and moist air favor mildew as nothing else would and must therefore be looked upon as undesirable. Ericas now coming into bloom will safely bear a temperature of 45°, but it should not rise any higher than that. There should be at all possible times plenty of ventilation through the house. The full light is necessary but a thin shade on bright and sunny days is of benefit. Any excess either way in watering must be carefully avoided and sprinkling should be discontinued altogether now.

GARDENIAS.—The most critical period in the growing of gardenias for winter cutting is close at hand. If they are making a thrifty growth but showing no buds as yet, it is time to force bud-formation by reducing heat and moisture to a point within the limits of safety but far enough away from the normal to cause an appreciable check in growth. After this has been accomplished and a good set of buds has resulted it is of utmost importance to hold the temperature steadily at 70°, with little deviation either way until the buds are near opening, when a rise of 5° or 6° will prevent a dropping of ths buds and bring about a fine crop of perfect flowers. At this period the plants must never suffer for the want of just sufficient moisture at their roots, never more than will drain off quickly, leaving the soil moderately wet but not in a soaked condition. A drying out of the soil now means the loss of a crop of high priced flowers, and too much water the yellowing of the foliage and often the death of the plants. Sprinkling is necessary and would do all the more good if tempered water could be used for the purpose. Mealy bug, never missing on gardenias, grown under glass, must be kept down by the use of whale-oil soap and the syringe.

BOUVARDIAS.—A lot of nicely done bouvardias in pots is good stock at Christmas, or for that matter at any time during winter and spring. Most attractive for the holiday trade is the deep pink variety of Hogarth as are also all the fine scarlets. A steady heat of 60°, the full light and sunshine and a plentiful supply of water at the roots and over head are now about all that are needed to have these charming plants at their best and brightest at the right time. Where they are grown extensively in the free soil of a bench, greater care in general treatment is necessary than when grown in pots, though the flowers produced under this method of culture are nearer the market requirements. It is very easy to spoil a promising crop by over watering. An examination of the bench soil, apparently quite dry at the surface, often shows the soggy condition of the lower earth, fully explaining the dying off of plants here and there and the unhealthy appearance of those remaining. Even in well drained benches this happens only too frequently. Abundant ventilation on bright days, care in watering and steady heat lessen the trouble considerably.

EPACRIS.—It is much easier to attain success in the growing of winter flowering epacrises than with ericas, although the former in their cultural requirements differs but little from the latter. Epacrises also want a cool temperature, not over 45°, and plenty of light and fresh air. But while a dry atmosphere is necessary for the welfare of ericas, epacrises are less exacting in this particular, which, at this time of year, means much in bringing about congenial conditions. A moderate amount of floating humidity, in an otherwise pure and buoyant atmosphere, is not only harmless but is an aid in giving perfect finish to well advanced plants of epacris. At this stage in their growth there is also little danger of over watering plants growing in well drained pots and keeping the roots moist without ever letting them become really wet. This is a point of importance in their culture.

LACHENALIAS.—At this time lachenalias are ready to start into new growth and they should be transplanted into new soil, though some growers leave them in the same pots for years, causing them to make but a meager growth. Better results are obtained by repotting them every year, the two last weeks in November being the proper time. Several bulbs are planted in a 5-inch or 6-inch pot, deep enough below the surface to be just out of sight. Any good potting soil, liberally enriched with decayed manure, suits lachenalias. An airy, cool greenhouse and a bench or shelf pretty close to the light is a good place for them. Like all bulbous plants they need lots of water when in rapid growth and preparing to bloom.

E.

To Be Done Now.

IN THE GREENHOUSES.

Keep a moderately dry atmosphere about maidenhair ferns carrying fronds that are matured, or nearly so.

Give Cattleya Mossiæ the best and lightest position in the cattleya house, and get the growths finished.

Pick over old stock plants of lobelia that were boxed or potted to supply cuttings.

Keep the weeds down on the rose benches. They encourage red spider, aphides, and other insects.

Although red pepper, camphor, and other ingredients are powerful agents in fumigation, it is well to be very careful in their use until experience has been gained.

Look out for the little green worm on sweet peas, and kill him and all his family on sight, or trouble will result.

Thrips are most mischievous on pink and red roses; no old flowers should be left on the benches as they form a hide for the insects.

If not already done, put the walks between the benches in order for the winter. Cinders and ashes absorb moisture freely, and make a firm dry walk.

Bouvardias dislike coddling in a hot or close structure. A cool house with plenty of air moving about them suits them best.

Although the current year's spirea clumps do not force very readily until the new year, they are best in their pots; any slight root action that takes place will then help to establish them.

IN THE STORE.

Be there early and get all cleaning up and arranging done if possible before your morning customers arrive.

Keep the leaves of plants away from the window glass. It doesn't look well and a sharp frost may injure them.

Immortelles are all very well in their way, but live flowers are the goods for a live florist.

A clear window shows up the best points and colors of the flowers, but no matter how good the latter are, smeared windows spoil their effect.

The popular shower bouquet affords unlimited scope for the carrying out of artistic effects and original ideas.

A cluster of violets, or a bloom or two of a mauve orchid, placed in any one part of an all white wreath, or floral design, gives character to the whole, and is a decided improvement.

A small aquarium, filled with water hawthorn and other aquatic plants, was recently noted in a florist's window.

Better have too many flowers than not enough. Their display advertises your store to the passers-by.

Never leave flowers from the wholesale market a minute longer than necessary before unpacking, nor pack deliveries until their time has nearly arrived.

Lily of the valley should be kept away from strong light and sun as much as possible. Grown in a close dark place they soon wilt if exposed to conditions directly opposite.

OUTDOORS.

As the plants are cleared from the carnation quarters begin cultivating at once. Autumn cultivation sweetens the soil and destroys many weeds and insects.

Give a mulch of well decayed manure to the beds of peonies now. It acts as a protection in winter and enriches the soil for next season.

Gravel walks and drives must be lightly swept in order to disturb the surface as little as possible, and always from the edges to the center.

Use a light roller on the grass frequently, now the surface is moist. It keeps down worm casts, gives a tidier appearance, and prevents injury by frosts later.

Prepare the quarters for next season's sweet peas early and use plenty of good manure in the lower spit. Deep and thorough cultivation is necessary for this popular flower.

Dahlias have been very disappointing this year, but keep stock good for next year, when the conditions may be quite different.

Where the old bench soil has been dumped outside the houses, get it carted away and all cleaned up for winter as soon as possible.

Fill up all holes and inequalities about the paths and alley ways where there is much walking, with cinders or other hard material.

Potting benches and other temporary erections that have been rigged up for summer use outside should be taken down now, and the materials stowed away for future use.

BALTIMORE, MD.—McLaughlin Bros. Inc., have filed application for permission to erect a greenhouse 13 by 25 feet at the northwest corner of Lafayette avenue and Aiken street.

CAMBRIDGE, MASS.—Frank Kelley, whose four years' experience with Wm. E. Doyle, and three years' service at the Parker house, have given him a good line on the business, has joined his brother Harry, who recently started up in Pemberton square. Both are popular and they are likely to succeed.

GRAND RAPIDS, MICH.—The Grand Rapids Herald of November 4 devoted four pages to illustrated write-ups of the floral industry at this place, the firms enumerated including Chas. Chadwick, Park Floral Co., Henry Smith, Eli Cross, Miss M. A. Harkett, Paul Goebel & Co., Miss J. D. Livingston, N. B. Stover, James Schols, Reed's Lake Floral Co., George Hopp, Grand Rapids Floral Co. and Crabb & Hunter.

OBITUARY.

Mrs. J. W. Taber.

Mrs. J. W. Taber, a very successful florist of Shreveport, La., died of a complication of diseases November 9. Mrs. Taber was born in Natchitoches in 1847 and moved to Shreveport in 1881. In 1883 she was married to John W. Taber, who died in 1900. Mrs. Taber started the business under the name of the City Greenhouses in March, 1901. In 1904 she moved to the present location on Fairfield avenue and changed the name of her business to the Rose-Lea Greenhouses. Mrs. Taber is survived by one son, E. M. Taber, who will continue the business in his own name; also by a stepson and two sisters.

Mrs. Bertha H. Engelmann.

Mrs. Engelmann, wife of F. A. Engelmann, Falicon, Clarksville, Mo., died November 8. Deceased was born at Leipzig, Germany, and is survived by her husband, who is florist and gardener to E. C. Dameron, Clarksville, Mo., two sons and one daughter, who will take the place of her mother in the home.

THE AMERICAN FLORIST

TWENTY-SECOND YEAR.

Subscription, $1.00 a year. To Europe, $2.00 Subscriptions accepted only from those in the trade.

Advertisements, on all except cover pages, 10 Cents a Line Agate; $1 00 per inch. Cash with Order.

No Special Position Guaranteed.

Discounts are allowed **only on consecutive insertions**, as follows—6 times, 5 per cent: 13 times, 10 per cent: 26 times, 20 per cent: 52 times, 30 per cent.

Space on front pages and back cover page sold only on yearly contract at $1.00 per inch, net.

THE AMERICAN FLORIST Advertising Department is for florists seedsmen and nurserymen and dealers in wares pertaining to those lines only.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Monday to secure insertion in the issue of the same week. Address

AMERICAN FLORIST CO., Chicago.

When sending us change of address always send the old address at the same time.

We do not assume any responsibility for the opinions of correspondents.

THIS ISSUE 56 PAGES WITH COVER.

CONTENTS.

The exhibitions 791
—Horticultural Society of Chicago (illus.) 791
—Carnations at the Chicago show..793
—Pennsylvania Horticultural Society (illus.) 794
—American Institute of New York..794
—Ontario Horticultural Association.795
—Lake Geneva Gardeners....796
—New Haven Horticultural Society.797
—Duchess County Horticultural Society 798
—Orange, N. J. (illus.)....798
—Worcester County Horticultural Society 799
Chrysanthemums 799
—Influence of climatic conditions..799
—New chrysanthemums at Pittsburg 800
—Chrysanthemum Society of America 800
Florists' plant notes....800
To be done now....801
Obituary—Mrs. J. W. Taylor....801
—Mrs. Bertha H. Engelmann....801
Edgar Sanders on Chicago flower show 802
American Rose Society....802
Illinois State Florists' Association.802
Florist Elbert Hubbard....803
Meetings next week....803
St. Louis 806
Chicago 811
Philadelphia 812
Boston 812
Louisville 812
New York 814
Horticultural Society of New York.814
The seed trade....818
—More about the making of catalogues (illus.) 818
—The Holland bulb season of 1906.818
—Connecticut seed notes....818
—Postage rates 818
—Parcel post with Denmark....818
—Fixes farm produce prices....819
Columbus, O. 820
The nursery trade....822
Kansas City 824
Montreal 824
Buffalo 824
St. Paul 826
Special illustrations:—
—Orchids and foliage plants at Boston 796
—Morris County Gardeners....796, 798
—Chrysanthemum Dr. Enguehard at Harry S. Hopkins', Binghamton, N. Y....797

ELMER D. SMITH has issued a new and thoroughly revised edition of his excellent "Chrysanthemum Manual." We are handling the book, the price of which is 40 cents.

CAPE FLOWERS.—Everlasting flowers and grasses to the value of £38,620 were, according to the minister of agriculture, Arthur Fuller, exported from Cape Colony during a period of three years.—Gardeners' Magazine.

WHEN will growers of cattleyas and other orchids recognize the fact that these do not want stewing in close moist houses but airy, free and natural conditions like other stock. Orchids requiring purely tropical conditions are few in number.

THE British consul general in Algeria reports the production of vegetable hair from a dwarf palm that was once considered worthless. Its fiber is an excellent cheap substitute for horsehair and it is recommended for introduction extensively into this country.

THE old fashioned pompons are still the best varieties of chrysanthemum to use for dwarf market plants. There are also among the singles some beautiful sorts of good habit, requiring no tying and forming perfect masses of bloom. Zenobia, yellow, and Snowdrop, white, are two of the best pompous, while Argenta is a really grand habited single variety.

THE original plant of Nephrolepis Amerpohli appeared among a number of seedling and other ferns at the Janesville Floral Co.'s greenhouses, Janesville, Wis., in February, 1904. No particular forcing treatment has been used in working up the stock and to use Edward Amerphol's own words, they have been grown any old way and shifted about from pillar to post as occasion demanded. A large stock has already been worked up and a still greater one is to be prepared in readiness for its distribution. Probably no other fern is finer in floral designs and it also makes a beautiful pot plant. Edward Amerpohl is delighted with his visit to Chicago, with our show, and with the orders booked for his new fern.

Edgar Sanders on Chicago Flower Show.

ED. AMERICAN FLORIST:—

I was so pleased with your report of the flower show in the Coliseum that I cannot resist sending you word of the pleasure it gave me in reading the same. I might say that on Thursday morning, though something of an effort, I had the satisfaction for an hour and a half of seeing the show with my own eyes and I was well repaid for the trouble. But what is an hour and a half, with full powers of locomotion, now denied me, to view such a monstrous exhibition, and if one cannot visit or can only partially examine the display, then give me a good descriptive report, and I am proud to say you filled the bill.

Taken all in all, it was a grand exhibition, not like any others, and this is an excellent feature, as there is often a sameness about shows not satisfying to the general public. It seemed excellently managed with an apparent good feeling among the craft. Then, too, it seems to have been successful. That big Sunday crowd was a big feature. I see it is generally said to be the first trial for the keeping of a Chicago exhibition open on Sunday. This is a mistake. The World's Fair show opened on Saturday and included a Sunday. That was a highly successful show both in exhibits and in attendance. Indeed, I find on referring to the time it was decided to keep open the second Sunday, but this was generally considered a mistake. In the following years, if I mistake not, even one Sunday was not once considered. No doubt the reduced price made it a success this year.

EDGAR SANDERS.

American Rose Society.

EXECUTIVE COMMITTEE MEETING.

The executive committee held a meeting at the Hotel Martinique, New York, November 9, 1906. All members reported in person or by letter. The arrangements for the spring show, in connection with the Washington Florists' Club, to be held in Washington March, 1907, were reported to be perfected, the agreement having been signed by Peter Bissett and Chas. E. McCauley, on behalf of the Washington Florists' Club and Robert Simpson, president of the American Rose Society. The Secretary reported to the meeting, that when at Chicago last month, he attended the local Florists' Club meeting, and was introduced to the meeting on behalf of the American Rose Society, receiving from the members courteous consideration. He had urged the western people as far as he could to join hands earnestly to make the rose society a great popular educating association and to bring in the era of a rose for every home and a bush for every garden, which to the commercial grower meant a standing and expanding interest in outdoor floral decorations of all kinds.

Letters were read from P. A. Lynch, West Grove, Pa., Jas. J. Curran, Salem, Va., and P. Welch, Boston, Mass., encouraging the best efforts possible to make the show at the national capital a success.

Since the committee meeting in August, S. S. Pennock, of Philadelphia, Pa., had sent in an application for life membership with the full fee of $50.

A special prize of $10 was reported for an exhibit of three good roses, suitable for dooryard planting, that held the foliage to the best advantage.

Robert Simpson, Clifton, N. J., offered a silver cup valued at $50 for the best collection of crimson roses.

Harry O. May, Summit, N. J., a silver cup valued at $25 for American seedling roses not yet introduced.

F. R. Pierson, Tarrytown, N. Y., offered a silver cup valued at $25 for the best collection of hybrid Wichuraiana.

Ex-President W. C. Barry advised that his firm would be pleased to offer a suitable prize to be designated later.

It was moved by H. O. May and seconded by A. Farenwald, that the president appoint a committee to prepare a synopsis of the organization and doings of the American Rose Society up to the present time.

The president appointed the secretary and Vice President Pierson as such committee.

BENJAMIN HAMMOND, Sec'y.

Illinois State Florists' Association.

A meeting of the Illinois State Florists' Association was held in the lecture hall of the Coliseum, Chicago, November 8, President Ammann in the chair and Prof. A. C. Beal officiating as secretary pro. tem. The committee appointed at Springfield to draft resolu-

tions to be presented to the state board of agriculture at its January meeting reported as follows:

Whereas, the census of 1900 demonstrated that the commercial production of flowers and plants exceeded in value that of the commercially grown fruit, and that more recent figures show that the amount of glass so used has practically doubled, so that at the present time Illinois leads the country in the growing of flowers, and whereas the use of ornamental plants and flowers in home decoration is annually increasing among the people of this state, and that the interest in the improvement of school grounds is becoming anually greater and,

Whereas, The amounts hitherto offered in premiums have not been sufficient to justify growers in making extensive exhibits of valuable flowers and plants at the State Fair, since these exhibits are usually absolutely worthless at the close of the exhibition, whereas other exhibits are worth just as much, or if they secure a prize, are worth more, than when entered. Therefore, be it

Resolved, That the Illinois State Florist Association earnestly request the State Board of Agriculture to provide a suitable building for holding an exhibit of flowers and plants during the state fair, and that the amount offered in premiums be substantially increased, to a point that will bring out an exhibit worthy of the industry, the state fair and the great state of Illinois.

A. C. BEAL,
J. C. VAUGHAN,
A. C. BROWN.
Committee.

This resolution was unanimously adopted and the president was instructed to appoint such working committees as will be necessary to make the Bloomington meeting in February a success.

Florist Elbert Hubbard.

East Aurora, October 27.—Elbert Hubbard, Roycrofter, has taken a term lease of the property of Capt. G. J. Gardner in Willink and will run a large greenhouse in connection with his famous Roycroft institution. The property consists of several acres of land which is intersected by a deep ravine, and grown up on either side by willows and trees. The ravine has been used as a dumping ground for years past, but will now be cleared out and fitted up with benches and swings and made a beautiful park. Money will be spent lavishly on the improvements, and in the erection of new greenhouses.

"Ali Baba," who is an expert on pansies and geraniums, will be made superintendent, and his efforts will be untiring in making the place beautiful. The townspeople look with favor upon this act of Fra Elbertus and it will win over many friends to him.—Buffalo Times.

Florists and Divorce.

The lot of the florist does not in some cases appear to be a happy one. Here we have in one town, Cleveland, O., Mrs. Ella Wilson suing her Charlie for cruelty, staying out late at night and doing other things that he ought not to have done, while Mrs. Fannie Newman is in equally sore straits, her husband, Paul, being also cruel, extravagant and prone to nightly wanderings.

Mrs. Nickleby said that something in the leather she supposes was responsible for the crimes of French shoemakers. Is it possible that there are germs in geraniums, microbes in Maid roses or some such insidious foe lurking among some other flower that is the cause of all this? If so we must look up a remedy for it at once.

Meetings Next Week.

Boston, Mass.—Gardeners' and Florists' Club of Boston, Horticultural hall, November 20.

Dayton, O.—Dayton Florists' Club, 112 South Main street, November 19.

Denver Col.—Denver Floral Club, 323 Charles block, November 23, at p. m.

Des Moines, Ia.—Des Moines Florists' Club, Iowa Seed Co.'s store, November 20, at 8 p. m.

Detroit, Mich.—Detroit Florists' Club, 40 Miami avenue, November 21, at 8 p. m.

Hamilton, Ont.—Hamilton Gardeners' and Florists' Club, office of member, November 20, at 8 p. m.

Hartford, Conn.—Hartford Florists' Club, November 23, at 8 p. m.

Montreal, Que.—Montreal Gardeners' and Florists' Club, Alexandria rooms, 2204 St. Catherine street, November 19.

Newport, R. I.—Newport Horticultural Society, November 21.

Providence, R. I.—Florists' and Gardeners' Club of Rhode Island, 96 Westminster street, November 19, at 8 p. m.

Richmond, Ind.—Richmond Florists' Club, greenhouses of member, November 19.

Salt Lake City, Utah.—Salt Lake Florists' Club, Huddardt Floral Co., 114 East Second South street, November 20.

Seattle, Wash.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street, November 20.

St. Louis, Mo.—Plant and Cut Flower Growers' Association, November 21, at 8 p. m.

Toronto, Ont.—Toronto Gardeners' and Florists' Association, St. George's hall, Elm street, November 20, at 8 p. m.

Bulletins Recently Issued.

By the Department of Agriculture, Washington, D. C.: "The Construction of Sand-Clay and Burnt-Clay Roads," by Wm. L. Spoon, office of public roads.

"Sugar Pine and Western Yellow Pine in California," by Albert W. Cooper, forest service.

"Forest Planting on Coal Lands in Western Pennsylvania," by S. N. Spring, forest service.

"Practical Information for Beginners in Irrigation," by S. Porter, irrigation engineer.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

Cash with Adv.

Plant Advs. NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1906 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—By young man with two years' experience in general greenhouse work; good reference; state wages Address
114 Jefferson St., Waterloo, Iowa.

Situation Wanted—As foreman of up-to-date commercial place; can furnish best of references by present employer and others in Chicago trade. Address Key 830, care American Florist.

Situation Wanted—By a good general greenhouse man, English, 23 years of age; 9 years' experience; good references Address
T. GOLDNEY, Winchester Hall,
Port Chester, N. Y.

Situation Wanted—By an all-around florist; good on 'mums, carnations and soft wooded plants, also palms and ferns. State wages and particulars in first letter. Address
Key 837, care American Florist.

Situation Wanted—By a first-class greenhouse man; 15 years' experience; No. 1 propagator and potter; good grower of bedding and general stock; steady, honest, sober and reliable; commercial or private. Key 839, care American Florist.

Situation Wanted—By florist and landscape gardener, 20 years' experience in this country and England, three years in last place; first-class references; private place preferred. Address
Key 836, care American Florist.

Situation Wanted—I wish to correspond with party desiring first class grower and propagator of roses, carnations, 'mums and general stock. I have had 15 years' practical experience and can show results; good references. State full particulars with salary. Address
Key 834, care American Florist.

Help Wanted—Good man in tea rose section. Address, with full particulars,
R. WILL & SON, Box 29, Minneapolis, Minn.

Help Wanted—A rose grower to take charge of a section; must be sober and reliable; state references and wages. Address
C. C. POLLWORTH CO., Milwaukee, Wis.

Help Wanted—Assistant florist for a commercial place, middle west; wages $30.00 per month and board. Send copy of references in first letter. Address Key 838, care American Florist.

Help Wanted—At once, experienced, single and sober greenhouse man; wages $25.00 per month and board; steady position for right party. Address with reference H. HEEPE'S SONS,
26 So. Main St., Akron, O.

Help Wanted—A bright young man, age 22 to 35, for an established florist business; good position to right man; state experience and salary expected. CHAS. HENRY FOX,
21st St. and Columbia Ave., Philadelphia.

Help Wanted—At once, single and sober man as day fireman for steam boilers; wages $25.00 per month and board; steady position for right party. Address with references H. HEEPE'S SONS,
26 So. Main St., Akron, O.

Help Wanted—A first-class grower of pot plants and bulbs; only a man of experience need apply. Also a good store man; must be a first-class designer and decorator; give full particulars with references in first letter. State wages expected. Address MARTIN & FORBES,
347 Washington St., Portland, Ore.

Wanted—Applications of reliable and capable men as salesmen, decorators, or designers, or assistants thereto. A. W. SMITH,
345 Sixth Ave., Pittsburg, Pa.

For Sale—Carnation supports, $15.00 per 1000; $125.00 for 10,000.
JAMES W. DUNFORD, Clayton, Mo.

For Sale—Established retail florist business in St. Louis, Mo., doing $7,500.00 to $8,500.00 per year. Address Key 823, care American Florist.

For Sale—Nine greenhouses, dwelling house and barn, 3½ acres of ground. For particulars address
P. O. Box 109, Newtown, Bucks Co., Pa.

For Sale—A1 down-town retail store for sale; established 10 years; bargain. Enquire
VAUGHAN & SPERRY, 60 Wabash Ave., Chicago.

For Sale—All the glass, 10x12 double strength A, on five houses, each 20 ft. by 115 ft., for $500 as it stands. Will include sash bars and doors. Also two Kroeschell hot water boilers; one steam boiler, 20 H. P., used three months, dirt cheap.
BRANT & NOE FLORAL CO.,
W. Peterson and N. 48th Aves., Chicago.

For Sale—A thriving florists' business in Illinois; 20,000 ft. of glass, all planted with roses, carnations, 'mums and general stock in fine condition; modern 10-room dwelling, all built within the last 10 years; last year's sales, $6,000.00. Cause for selling, other business. Address
Key 805, care American Florist.

FOR SALE.

Old established retail florist's store. Reason for selling, going west. For particulars, write to
F. K., 700 N. 5th St., Philadelphia, Pa

FOR SALE.

COLORADO SPRINGS, COLO.

Wholesale and retail business, well located, 34 greenhouses, 13 acres of land, 4 boilers, 16-60; 2 dwellings. For terms address
WM. CLARK.

FOR SALE.

Des Moines, Iowa, wholesale and retail greenhouse establishment, 29,000 feet of glass, three acres of ground, well located, all in good order, with good wholesale and retail trade. Price, about $8,400; terms reasonable.

VAUGHAN'S SEED STORE
CHICAGO.

AFTER A SEASON

of dullness comes the Busy Season for you.

REMEMBER US

....IN....

Florists' Specialties and Greenhouse Requisites.

POLLWORTH MILWAUKEE LEADERS IN OUR LINES.

CHRYSANTHEMUMS.

100,000 Plants, mostly grown to single stems, all colors and in any quantity. Very large $3.00 per doz; Medium, $2.00 per doz.; Small, $1.25 to $1.50 per doz.

Also Fine Beauties, Tea Roses and Carnations.

WIETOR BROS., 51 Wabash Avenue, CHICAGO.

Indianapolis.

BUSINESS FAIRLY ACTIVE.

During the first part of the week, business was good, but very slow towards the end. All the leading cut flowers are plentiful and of good quality. Prices are about the same as last week. Although this is chrysanthemum time roses are in good demand and prices remain firm.

NOTES.

The Bertermann Bros. Co. held a flower show at their store and conservatory last week. An abundance of the best material was used and arranged with exquisite taste. The attendance was much larger than the firm had anticipated and the show proved a success all around. One of the notable features was the window, on one side of which was shown a bunch of R. Halliday chrysanthemums in a $300 vase. The other side contained vases with 300 American Beauty roses. Other features were a mirror decoration of cattleyas and other orchids, both blooming plants and cut flowers; a wedding decoration and a beautiful table decoration.

The November meeting of the association was well attended. It was decided to have a show and an entertainment in connection with the annual meeting in January, and have both affairs more elaborate than heretofore. At present the association is working on a set of rules and a scale for judging novelties. The rules will be severe, and one of the association's medals or certificates won under these rules will stand for the highest degree of excellence.

John Bertermann, and Homer and Geo. Wiegand attended the flower show in Chicago last week. J.

COUNCIL BLUFFS, IA.—J. F. Wilcox was entrusted with the making of the elaborate floral emblem used at the banquet of the society of the army of the Tennessee. It is composed of immortelles typical of the undying affection mutually felt by the nation and its heroes, and nearly 30,000 of the flowers were used. The emblem stands six feet high; the background is a reproduction of the national colors, in front of which an eagle is suspended by a golden chain, bearing in its claws a silver dart. Upon its breast the bird wears the inscription "Forty Rounds."

MUMS! MUMS! MUMS!

All the best midseason sorts in large supply. We can fill any order, dozen or 1000, from now to Thanksgiving with stock of best quality. We shall also have for **THANKSGIVING** a large supply of the choicest

Violets, American Beauties, Brides, Maids, Richmonds,

as well as all the leading varieties of **CARNATIONS.** Send your

THANKSGIVING ORDERS

to us now and **we will take good care of them.** If we cannot fill your order completely, the stock is not to be had in this market.

J. A. BUDLONG,

WHOLESALE GROWER AND SHIPPER OF CUT FLOWERS.

37 and 39 East Randolph Street, CHICAGO, ILL.

Special Values in Dreer Palms.

The varieties and sizes here offered are all of excellent value and in prime condition for retailing or for decorative work. For a more complete list see our current Wholesale List.

ARECA LUTESCENS

4-in. pots, 3 plants in a pot, 15-in. high.....$3.50 per dozen; $25.00 per 100

COCOS WEDDELLIANA

The best, thriftiest plants of this we have ever offered.

2¼-in pots, 5 to 6-in. high....per doz., $1.50; per 100, $10.00; per 1000, $ 90.00
3-in. " 8 to 10-in. " ....per doz., 2.00; per 100, 15.00; per 1000, 140.00

KENTIA FORSTERIANA

6-in. pots,	6 leaves,	24 to 28 in. high	$ 1.00 each
6-in. "	6 "	28 to 30 in. "	1.25 "
6-in. "	6 "	30 to 32 in. "	1.50 "
7-in. "	6 "	34 to 36 in. "	2.00 "
7-in. "	6 "	36 to 40 in "	2.50 "
9-in "	6 "	46 to 48 in. "	3.50 "
7-in. tubs,	6 "	48 in. "	4.00 "
12-in. "	6 to 7 leaves,	8 to 10 ft. high	15.00 "

KENTIA FORSTERIANA—MADE UP PLANTS

9-in. pots,	4 plants in a pot,	3½ ft. high	$ 4.00 each
9-in. tubs,	4 " "	tub, 4 ft. high	5.00 "
12-in. "	4 " "	6½ to 7 ft. high	15.00 "
13-in. "	4 to 6 plants in a tub,	5½ to 6 ft. high, very bushy	15.00 "

KENTIA BELMOREANA

6-in. pots,	6 leaves,	20 to 24 in. high	$1.00 each
6-in. "	6 "	24 to 26 in. "	1.25 "
6-in. "	6 to 7 leaves,	26 to 28 in. high	1.50 "
7-in. "	6 to 7 "	34 to 36 in. "	2.50 "
9-in tubs,	6 to 7 "	48 in. high, heavy	7.50 "

LATANIA BORBONICA

7-in. pots, 6 to 8 leaves, heavy plants.....$1.00 each

LIVISTONA ROTUNDIFOLIA

4-in. pots.....$4.00 per dozen; $30.00 per 100

PHOENIX CANARIENSIS

The following are all growing in light wooden tubs and are plants of good value.

2½ ft. high	$2.00 each
3½ ft. "	3.50 "
4 to 4½ ft. high	5.00 "
4½ to 5 ft. "	6.00 "

PHOENIX ROEBELENII

Nicely characterized plants of this beautiful rare palm, which undoubtedly is destined to be one of the most popular palms of the future. 4-in. pots, 10 in. high, $1.00 each; 5-in. pots 12-in. high, $1.25 each; 8-in. pots, 18-in. high, $3.50 each.

For a complete list of seasonable decorative and other stock see our current wholesale list.

HENRY A. DREER, 714 Chestnut Street, PHILADELPHIA.

ADVERTISE THANKSGIVING SPECIALTIES NEXT WEEK.

"Mums"
Violets
Roses
Carnations
Brun's
Fancy Valley
Harrisii
Boxwood
Wild Smilax
Red Berries
Leucothoe
Adiantum
Fancy Ferns

WE PAY EXPRESS BOTH WAYS IF YOU DON'T LIKE THE GOODS.

When Placing Your Order for CUT FLOWERS

with us you are not depending upon ONE GROWER. On the contrary we receive daily consignments from

40 to 60 PRODUCERS,

many of them specialists in their line, and we always give you the advantage of

INSIDE CHICAGO MARKET QUOTATIONS.

WRITE, TELEPHONE OR TELEGRAPH.

E. F. WINTERSON CO., 45-47-49 Wabash Ave. CHICAGO.

St. Louis.

COLD WEATHER STIFFENED PRICES.

Weather conditions last week played a great part in the standing of the market. We had Indian summer all week. Friday the weather changed, snowed and got colder, which is the condition at present. Prices of roses were very low. Carnation prices were also very low, that is considerably lower than last week, but at this writing everything has stiffened. American Beauty roses are scarce, not enough to fill orders, especially the finer grades. Chrysanthemums in small and medium sizes were plentiful, but the market was short of fancy grades. Anything approaching the fancy was very much in demand. Violets have greatly improved and are selling well. Paper White narcissi have made their appearance.

CLUB MEETING.

The Florists' Club held one of the most enthusiastic meetings ever held, at their hall, Grand and Shenandoah avenues, November 8. Prof. H. C. Irish presided. The attraction was the chrysanthemum exhibit. Himmer Bros., Meramec Highlands, took first prize for white and yellow chrysanthemums. J. W. Dunford, Central, took second for white, and third for yellow and pink chrysanthemums. Bentzen Floral Co., took first and second prize on pink, and third on white chrysanthemums.

A committee was appointed to take preliminary plans to have a flower show in 1907. Frank A. Weber, A. J. Bentzen and William C. Smith were given 30 days time to look over the situation and report to the main body. The show will be held in the new Coliseum building if it is finished by that time. The aim of the Florists' Club is to make the affair more than a local one and should there be any proceeds above the expense of running the show, the surplus is to be given to hospitals.

Many visitors were present, especially ladies. The younger members of the club are strong advocates of making the Florists' Club a more representative body. This club intends to have a show, and is convinced that the only way to have a successful one is to get the general public interested.

NOTES.

Wm. C. Smith has returned from Chicago, and spoke highly of the flower show, of the beautiful and wonderful arrangement of everything, nothing crowded in, everything showing to advantage.

Miss Theresa Badaracco has her windows very tastefully decorated with fancy chrysanthemums. This lady is one of the most enterprising and energetic of our lady florists.

F. C. Weber has his windows beautifully arranged with chrysanthemums in various artistic styles. His windows are always much admired by the best people in passing.

Robt. Rudolph, of Paducah, Ky., is shipping some extra fine chrysanthemums to this market, also some fine Enchantress and Prosperity carnations.

J. W. Dunford is cutting a large quantity of first class chrysanthemums, which are handled exclusively by H. G. Berning.

Riessen Floral Co. has had large orders for fancy chrysanthemums, and has not been able to procure enough to fill them.

George Waldbart has his windows beautifully decorated with some of the largest and finest chrysanthemums seen here.

Otto Koenig was very enthusiastic when speaking of the grandeur and completeness of the Chicago show.

A mammoth free exhibition of chrysanthemums is now on at Shaw's Garden, from November 12-26.

F. H. Weber reports trade as first class.

Visitors: Maurice Widmer and wife, Highland, Ill.; D. W. Augspurger, Peoria, Ill.

BAY CITY, MICH.—Boehringer Bros., the Park avenue florists, are building a large addition to their greenhouse office.

KANSAS CITY, MO.—L. A. Goodman, 4000 Warwick boulevard, secretary of the Missouri State Horticultural Society, announces that the forty-ninth annual meeting will be held at Boonville, December 4 to 6, and that a good programme will be provided. The hotels and railroads will give special rates.

COLUMBIA CITY, IND.—Wagoners' have just completed moving from their city lot to their 25-acre tract just outside the city limits where they have one house 21x100 feet on a south hillside devoted mostly to carnations. Their seedlings occupy almost the entire space and they think these are better than anything in cultivation in their class, and are likely to be heard from in the future.

ST. LOUIS, Nov. 14.

Roses, Beauty, long stem	3 00@ 4 00
" " medium stem	1 50@ 2 50
" " short stem	50@ 1 00
" Bride, Bridesmaid	2 00@ 5 00
" Pres. Carnot	2 00@ 8 00
" Kaiserin	2 00@ 8 00
" Chatenay, Richmond	2 00@ 5 50
Carnations, common	1 50@ 2 00
" best	3 00
Smilax	12 50@15 00
Asparagus Sprengeri	1 00@ 3 00
" Plumosus, strings	25 00@40 00
" cut sprays	1 00@ 3 00
Fancy ferns, per 1000, $1 75	
Lily of the valley	4 00
Chrysanthemums, f'cy, doz., $2@$3	
" ordinary, 75c@1.50	
Violets	50

PITTSBURG, Nov. 14.

Roses, Beauty, specials	@25 00
" " extras	15 00@18 00
" " No. 1	@10 00
" " ordinary	4 00@ 6 00
" Bride, Bridesmaid	3 00@ 8 00
" Chatenay	4 00@ 8 00
" Richmond	4 00@ 8 00
" Kaiserin	4 00@ 8 00
" Cusin	4 00@ 6 00
" Perle	4 00@ 6 00
" Bon Silene	4 00
Chrysanthemums	4 00@25 00
Carnations	1 00@ 3 00
Lily of the valley	2 00@ 4 00
Violets	1 00@ 1 25
Smilax	12 50@15 00
Asparagus, strings	30 00@50 00
" Sprengeri	2 00@ 4 00
Lilies	18 00@18 00
Adiantum	75@ 1 50

CINCINNATI, Nov. 14.

Roses, Beauty, per doz.	$1 00@$4 00
" Bride, Bridesmaid	3 00@ 6 00
" Liberty	4 00@ 8 00
" Meteor, Golden Gate	3 00@ 6 00
Carnations	1 00@ 3 00
Lily of the valley	3 00@ 4 00
Asparagus	50 00
Smilax	12 50
Adiantum	1 00
Asparagus plumosus and Sprengeri in bunches, per bunch 25c	
Ferns, per 1000, $1 50	
Longiflorum lilies	6 00@15 00
Asters	1 00@ 2 00
Gladiolus	2 00@ 3 00

MILWAUKEE, Nov. 14.

Roses Beauty, per doz.	0 75..3 00
" Liberty, Chatenay	2 00@ 6 00
" Bride, Bridesmaid	2 00@ 6 00
" Meteor, Golden Gate	3 00@ 6 00
" Perle	2 00@ 4 00
Carnations	2 00@ 4 00
Smilax	12 00
Asparagus, sprays	3 00
" Sprengeri	3 00
Lily of the valley	3 00@ 4 00
Adiantum	1 00@ 1 50
Chrysanthemums	10 00@35 00
Common ferns, $1 50 per 1000	
Longiflorum, $2 00 per doz	
Violets	1 00

CLEVELAND, Nov. 14.

Roses, Beauty, per doz.	$1 50..3 00
" Bride, Bridesmaid, Meteor	3 00@ 5 00
" Kaiserin	4 00@ 8 00
Carnations	2 00@ 3 00
Smilax	15 00
Asparagus, strings	25 00@50 00
" Sprengeri	1 00@ 2 00
Common ferns, per 1000, $1 50	
Chrysanthemums	6 00@15 00

AT CHICAGO'S Greatest Flower Show

WE RECEIVED 19 First Prizes, 16 Second Prizes and 2 Silver Cups; 38 Entries, 37 Prizes on Roses, Carnations and Chrysanthemums. . . . .

Cut Flowers for Everybody.

WE HAVE ONE MILLION FEET OF GLASS. Is there any doubt of our ability to properly fill and attend to your wants?

We are now cutting heavily on **Roses, Beauties, Carnations, Valley, Lilies, Asparagus, Adiantum, Sprengeri and Smilax. The quality** of our Roses was never so good as they are this season—Maids, Brides and Beauties. Richmond are especially select long stem.

We want your trade, now, holidays, and all the time.

We do the largest shipping of Cut Flowers. Why? Because we have the best stock, and give the best for the money. **Our motto is to never disappoint a customer.** Your interests are ours. We can and do ship direct from our greenhouses when necessary or desired. We can receive orders at the store as late as 6 P. M. Phone the greenhouses and they can ship on any of the night trains. What other house can equal this?

We therefore have every facility for handling your orders in the best possible way, therefore your best interests are to give us your entire business. You may be attached to one house and fully satisfied and don't care to change; you are the one we want to give us a trial, we can show you a difference to your advantage.

We submit to you our price list below and hope you will not delay in sending us an **order.**

THANKSGIVING PRICE LIST.

ROSES

SPECIAL SELECT BRIDES, MAIDS	8c to 10c
Select Firsts	6c to 8c
Medium	4c
Good Short	3c
SPECIAL SELECT RICHMOND	10c
Select Firsts	8c
Medium	4c to 6c
Short	3c
SELECT PERLE, SUNRISE, CHATENAY	8c
Select Firsts	6c
Medium	4c
Short	3c
KILLARNEY, Extra Select	12c
Select	8c to 10c
Medium	6c to 8c
Short	4c
AMERICAN BEAUTIES, select, long, per doz.,	$6.00
Medium, per doz.,	$3.00 to 4.00
Short, per doz.,	1.00 to 2.50

CHRYSANTHEMUMS

Fancy, per doz,	$3.00 to $4.00
Good Medium, per doz.	1.50 to 2.00
Good Small, per doz.,	.75 to 1.25
SELECT CARNATIONS, per 100,	5.00 to 6.00
Good Firsts, per 100,	4.00
VALLEY, Select, per 100,	4.00 to 5.00
LILIES, per 100,	16.00
ASPARAGUS, per string,	.50 to .60
Sprays, per bunch,	.35 to .50
SPRENGERI, Sprays, per bunch,	.35 to .50
SMILAX, per doz.,	1.50
ADIANTUM, per 100,	1.00 to 1.50
FERNS, per 1000.	1.50
STEVIA, per 100,	2.00
VIOLETS, per 100,	1.00 to 1.50

POEHLMANN BROS. CO.

WHOLESALE GROWERS OF CUT FLOWERS

Long Distance 'Phone Central 3578.

33-37 Randolph St., CHICAGO.

HENRY M. ROBINSON & Co.

Wholesale Florists. **Florists' Supplies.**

11-15 Province St., 9 Chapman Place, **BOSTON.**

AMERICAN BEAUTIES, RICHMONDS, CARNATIONS, VALLEY, CHRYSANTHEMUMS.

BEAVEN'S
Fadeless Sheet Moss
$3.50 per bag.

Southern Wild Smilax
IN ANY QUANTITY.
E. A. BEAVEN, Evergreen, Ala.

— PRICE LIST FOR —
Christmas Decorations
EVERGREEN WREATHING
NATURAL.

Standard grade, per coil, 20 yds	$0 60
Light weights, per coil	50
Standard grade, dyed, per coil, 20 yds	60
Light weights, dyed, per coil	50

WREATHS.

Holly, fancy Delaware, per doz	1 10
" Southern, per doz	1 00
" and **Evergreen,** mixed, per doz	1 00
Evergreen, plain, per doz	1 00
" with Immortelle flowers, per doz	1 10
Galax, green or bronze leaves, per doz	90
" with Immortelle flowers, per doz	1 00
Magnolia Wreaths, per doz	1 00
" with Immortelle, per doz	1 10
Delaware Holly, per crate	$4 00 to 4 50
Southern Holly, per crate	3 25 to 3 75
Mistletoe, per lb	20
Needle Pines, per doz	1 50
Galax Leaves, per 1000	1 00
CALIFORNIA PEPPER BOUGHS, beautiful for decoration and very fragrant, per crate	4 50
Magnolia Leaves, heavily packed, per barrel	6 50

Let us book your orders now, and you name date when you want goods shipped.
We manufacture all our stock employing 100 hands.
H. WOODS CO. 127 S. Water St., CHICAGO.
Please mention the American Florist when writing.

Hardy Cut Ferns
FANCY or DAGGER,
90c per 1000.
Bouquet Green, fine quality, $7.50 per 100 lbs.
Xmas. Trees, by the carload or in small job lots.
Sphagnum Moss, fine quality, 50c per sack.
All orders by mail or despatch or long distance telephone promptly attended to.
THOMAS COLLINS, Hinsdale, Mass.

Los Angeles.

A. F. Borden, for a number of years manager for Redondo Floral Co., has resigned his position with the old company, and has rented a store in the Henny building on Third street. He will open up as a retail florist at once. Mr. Borden is one of the best known florists on the coast, and all wish him well.

J. Ortignoc, who has been running a floral department in the Broadway department store, has retired and taken his old position with Morris Goldensen. Mr. Bertrand has taken his place at the department store.

LIVERMORE FALLS, ME.—George H. Fuller is excavating for the foundation for a greenhouse on Park avenue.

XMAS. GREENS

WRITE OR WIRE US for prices whenever you are ready to buy. Prices are quoted by mail for prompt acceptance, and customers are especially desired to ask us for net prices just when ready to buy, as values on this **FLUCTUATE** almost daily. We keep in close touch with the market and supply at right prices.

☞ **Write for a copy of our Christmas Circular. Just issued.**

Vaughan's Seed Store
CHICAGO: 84-86 Randolph St., **NEW YORK:** 14 Barclay St.

Extra Fine New Crop **FANCY FERNS** **$1.25 per 1000**
Discount on large orders.
GREEN and BRONZE GALAX .....$1.25 per 1000
Send for our weekly price list on Cut Flowers. Let us have your standing order for Ferns; will make price right all through the season.
MICHIGAN CUT FLOWER EXCHANGE
WM. DILGER, Mgr. 38 and 40 Broadway formerly Miami Ave., DETROIT, MICH.

HOLLY! HOLLY! HOLLY!
Holly Wreaths, Lycopodium and **Lycopodium Wreathing.** Our man in the woods with 12 years' experience in packing, can ship you direct and thus save extra expense of freight. Choice, well-berried **Holly Wreaths,** $10.00 to $15 00 per 100. **Delaware Holly,** $3.00 per case. Cash with order please.
DUMONT & CO., WHOLESALE FLORIST, 135 Filbert Street, **Philadelphia.**

HOLLY AND HOLLY WREATHS.
If you want good Holly buy it from me. I have a man experienced in packing for years, and quote you prices as follows: Choice Delaware, per case, $3.00, 16 cubic feet. Holly Wreaths, 10c and 12c. Laurel Roping, 3c per yard. Orde early to assure prompt delivery. Cash with order.
HARRY L. HUBBS, Commission Merchant, N. E. Cor. 34th and Cumberland Sts.,
Bank Reference. **PHILADELPHIA.**

BOUQUET GREEN
Best quality at **lowest rates.** We gather our own **Greens** and bring by our own boat direct. Also **CHRISTMAS TREES.**
Northern Michigan Evergreen Nursery.
SCHOONER GEO. L. WRENN, H. Schuenemann, Capt. S. W. cor. Clark St. Bridge, **CHICAGO.**

RICE BROTHERS
WHOLESALE SHIPPERS of home grown Cut Flowers, comprising the newest varieties of blooms. Full line of supplies and decorative greens. Trial order solicited. Weekly price list issued.
113 N. 6th St., MINNEAPOLIS, MINN.

SOUTHERN WILD
SMILAX.
Caldwell The Woodsman Co.
EVERGREEN, ALABAMA.

IT PAYS To Tell the Advertiser..... Where You Saw His Advertisement.

CHRYSANTHEMUM NOVELTIES.

This Year I Have to Offer Among Many Others:

IN WHITES

WHITE SPORT of Wm. Duckham, winner of the $50.00 Frick Prize at Chicago.

MRS. A. T. MILLER, a lovely white, Certificate, C. S. A.

MONEYMAKER, a white with a commercial future.

IN YELLOWS

ROSE LAWRENCE, MARY GODFREY, BUTTERCUP.

IN PINKS

MISS MIRIAM HANKEY, one of the most beautiful things I have ever handled. Also

MRS. HENRY BARNES, and many others.

My New List Will Be Ready December 1. SEND FOR IT.

CHARLES H. TOTTY, Madison, N. J.

Please mention the American Florist when writing

PITTSBURG CUT FLOWER CO. Ltd.

Pittsburg's Oldest and Largest Wholesalers.

REMOVED TO NEW LOCATION.

HEADQUARTERS FOR

Chrysanthemums, Carnations, Lilies, Adiantum Hybridum, Box Wood Sprays,

Beauties, Roses, Valley, Violets, Wild Smilax.

222 Oliver Ave., PITTSBURG, PA.

Please mention the American Florist when writing

CARNATION IMPERIAL

Variegated seedling, pink shade similar to Enchantress, and a deeper pink. Flowers 3-4 inches, strong calyx, good stems, early, free and a continuous bloomer.

PINK IMPERIAL.

A sport of Imperial, of a pleasing pink shade that has long been wanted.

My own origination. To be disseminated in 1907. Place your order at once.

PRICES. — Selected cuttings, delivery commencing in December, 1906, **$2.50** per dozen; **$12** per 100; **$100** per 1000; 50 at 100 rates; 250 at 1000 rates. 5 per cent discount for cash with the order.

JOHN E. HAINES, Bethlehem, Pa.

Please mention the American Florist when writing.

Nephrolepis Whitmani

Runners from bed, $7.00 per 100; $60.00 per 1000.

Strong established plants, in 3-in. pots, $10 per 100; $90.00 per 1000.

Nephrolepis Scottii

Runners from bed, $25.00 per 1000.

Strong plants, in 3-in. pots, $40.00 per 1000.

For prices on larger sizes and on other plants send for our Fall circular.

WM. K. HARRIS,

55th St. and Springfield Ave. PHILADELPHA, PA.

E. H. HUNT

"THE OLD RELIABLE"

MUMS and VIOLETS

Chrysanthemums in any quantity and all colors. Choicest single and double **Violets.** All other **Cut Flowers. Ferns,** etc., in any quantity.

Wholesale Florist, 76 Wabash Ave., CHICAGO.

KENNICOTT BROS. COMPANY

40-42-44 Randolph St., CHICAGO.

Our reputation has always been that we fill orders when others fail. All stock in season at Lowest Market Rates.

THE BENTHEY-COATSWORTH CO.

35 RANDOLPH ST. **WHOLESALE FLORISTS** CHICAGO.

E. C. AMLING

THE LARGEST, BEST EQUIPPED, MOST CENTRALLY LOCATED WHOLESALE CUT FLOWER HOUSE IN CHICAGO.

32, 34, 36 RANDOLPH ST., CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Please mention the American Florist when writing

WEILAND & RISCH

Wholesale Growers and Shippers of

CUT FLOWERS

59 Wabash Ave., CHICAGO

'Phone Central 879

Write for our wholesale price list.

WHOLESALE FLORISTS

Please mention the American Florist when writing.

Chicago Notes.

F. C. Smith, of Ashland, Wis., is still in town enjoying a well-earned vacation.

Miss Bather, of the John R. Bather Co., of Clinton, Ia., is here visiting the various greenhouses.

Joseph Ziska has bought up all outstanding interests in the Chicago Rose Co. With the assistance of his son he will continue the business under the same firm name as heretofore.

Our system of small parks is attracting attention in other cities. A committee arrived here November 9 from Newark, N. J., to inspect them, and will be entertained by the Small Parks commission.

The big chrysanthemum plant with its 500 blooms, which was exhibited at the show all last week, now graces the window of H. H. Kohlsaat's restaurant on Wabash avenue near Madison street. It is in rather cramped quarters, but still is showing its magnificent mass of bloom to some effect.

Wholesale Flower Markets

CHICAGO, Nov. 14.

Roses, Beauty, 30 to 36-in. stems		$4 00
" " 20 to 24-in. "	$2 50@	3 00
" " 15 to 18-in. "	1 50@	2 00
" " 12-in. "	75@	1 00
" Liberty, Chatenay	4 00@	7 00
" Bride, Bridesmaid	4 00@	7 00
" Golden Gate	4 00@	7 00
" Killarney, Richmond	4 00@	10 00
Carnations	1 00@	2 00
" fancy	2 00@	4 00
Lily of the valley	2 00@	5 00
Cattleyas....per doz., $6 00@$7 50		
Harrisii lilies, per doz., $2 00@$2 50		
Asparagus plumosus, per string 35c@50c		
" " per bu., 35c@$1 00		
" Sprengeri	2 00@	4 00
Green Galax		1 00
Galax leaves.....per 1000, $1 25		
Adiantum	75@	1 00
Fancy ferns.....per 1000. $1 50		
Smilax.....per string, 10c@12½c		
Chrysanthemums, per doz., $1 00@$3 00		
Violets	50@	1 25
Leucothoe sprays		75
Wild smilax, 25 lb., $3; 40 lb., $4; 50 lb., $5		

The Geo. Wittbold Co.

1657-1659 Buckingham Place, CHICAGO.

The only retail florist in Chicago who grows his own cut flowers.

FUNERAL WORK ORDERS, OUR SPECIALTY

SINNER BROS.

WHOLESALE CUT FLOWERS

60 Wabash Ave., Chicago.

Careful attention to all

SHIPPING ORDERS.

Please mention the American Florist when writing

Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO

Telephone, Central 3284.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO,

Wholesale Dealers and Growers of Cut Flowers

GREENHOUSES: HINSDALE, ILL.

Be your own Commission Man

THE

FLOWER GROWERS' MARKET

furnishes the facilities.

See PERCY JONES, Mgr.

60 Wabash Ave., CHICAGO.

Please mention the American Florist when writing

Vaughan & Sperry,

Wholesale Florists,

58 and 60 Wabash Ave., CHICAGO.

WRITE FOR SPECIAL PRICES.

Please mention the American Florist when writing.

PETER REINBERG

Grower and Wholesaler of Cut Flowers.

1,200,000 feet of glass.

Headquarters for American Beauty.

51 Wabash Ave., CHICAGO.

Please mention the American Florist when writing.

Poehlmann Bros. Co.

Wholesale Growers of and Dealers in Cut Flowers.

All telegraph and telephone orders given prompt attention.

Greenhouses: MORTON GROVE, ILL.

35-37 Randolph St., CHICAGO.

Please mention the American Florist when writing

Jensen & Dekema

CARNATION SPECIALISTS

674 W. Foster Ave., CHICAGO.

Please mention the American Florist when writing

WIETOR BROS.,

Wholesale Growers of Cut Flowers

All telegraph and telephone orders given prompt attention.

51 Wabash Ave., CHICAGO.

Chicago.

MARKET QUIET.

As usual, the flower show has had a rather depressing effect on trade. That is the explanation offered by some. But the cold and damp weather, with its snow, rain and slush might have had the same effect without any flower show. Saturday, for the first time in many weeks, the market failed to clean up, stock being carried over Sunday and even into Monday in many instances. But the cold wave of Sunday night came to the relief of an overstocked market. Stock generally is more scarce and prices have an upward tendency. Roses, particularly American Beauty, are especially scarce. Violets, too, are hardly abundant enough. Carnations, however, are coming considerably more freely, and the height of the chrysanthemum season sees that queen of autumn flowers in generous supply. Lily of the valley is a scarce article these days and continues to bring a very good price. Harrisii lilies are seen on all stands, but slight call is made for them. A few callas are also seen, though the season is too early for either much of a supply or demand. Cattleyas have become scarce, the labiata going off crop and the Percivalliana and Trianæ not yet coming in. Green goods of all sorts are coming in great quantities. Asparagus Sprengeri is possibly not so abundant, still there is plenty to go around easily. The quality of all blooms is improving, roses showing fine form, size, color and length of stem. The same may be said of carnations. What violets are on the market are also appearing in fine condition.

NOTES.

Zech & Mann are receiving lily of the valley of superior quality from their out-of-town shippers. They are also showing Maud Dean and Major Bonnaffon chrysanthemums of which they are pardonably proud. Mr. Zech said, in commenting on the effect of the flower show on trade, that business was never good in show week, but that these exhibitions had the effect of cultivating the public taste and so gradually increasing the demand though this effect might not be immediately felt. The "missionary" work was in a general way of benefit to the trade.

Miss Minnie Speck is assisting E. Francis, manager for Scheiden & Shoos at the Flower Growers' Market. This firm has been showing blooms from their new seedling carnation. This is to be given a name and disseminated next year. It is a deep red in color, extra double, and its flowers have been known to last an entire week on the counters of the market, only being placed in the ice box by night.

Chas. W. McKellar Monday had at his place some sprays of Vanda cœrulea and Dendrobium formosum which he had been exhibiting at the flower show for Geo. Field, of Washington, D. C. After most other show blooms had lost their freshness these were still standing erect and beautiful. The color had slightly faded from the flowers of the vanda but still indicated their species.

Chas. A. Carlson, an old time florist of Benton Harbor, Mich., and father of Miss Betta Carlson, who has a retail store on Jackson boulevard, near Dearborn street, died Sunday, the interment taking place on Tuesday. Miss Carlson and the other surviving members of the family have the heartfelt sympathy of the trade.

The types last week in our advertising columns made it appear as if C. H. Hunt were at 51 Wabash avenue. Of course letters and packages addressed to "The Old Reliable, Chicago, Ill.," would reach their destination all right, but it might be as well to retain the "76 Wabash avenue," too.

J. A. Budlong is showing some fine Englehart, Plumridge and yellow Eaton chrysanthemums. The Englehart is a specially grand keeper, a vase of these blooms appearing in prime condition after a week's exposure on the counters.

M. V. Garnsey has just shipped 10 barrels of the Japana flower holder to Germany. This means a big business, as each barrel contains from 25 to 75 dozen Japanas, according to the size. The shipment included all sizes.

Wietor Bros. have in sight a big crop of chrysanthemums and roses for the holidays. This house was showing some Golden Chadwick chrysanthemums of exceptional merit.

One of Geo. Reinberg's teams bringing flowers to market ran into one of the posts of the elevated road and smashed the wagon.

Some extra fancy lily of the valley and violets are seen at E. F. Winterson's.

Peter Reinberg is coming in with as fine a crop of roses as could be wished for the Thanksgiving festival.

Mr. Eastwell, of Smith and Fetters, of Cleveland, O., is stopping at the Palmer house for a few days.

Chas. A. Samuelson celebrated his thirty-seventh birthday November 8.

E. C. Amling is showing some extra fancy sweet peas and single violets.

ORCHIDS

MY SPECIALTY

Thanksgiving Price List

BEAUTIES	Per Doz.
30 to 36-inch	$5.00 to $6.00
24 to 30-inch	4.00 to 5.00
15 to 20-inch	2.00 to 2.50
8 to 12-inch	1.00 to 1.50
Shorts, per 100	5.00 to 6.00

ROSES—(Teas)	Per 100
Bride, Maid and Perle	$5.00 to $8.00
Richmond and Liberty	5.00 to 10.00
Golden Gate and Chatenay	5.00 to 8.00
Roses, my selection	4.00
CARNATIONS	3.00 to 4.00
" Fancy	5.00 to 6.00
ORCHIDS, Cattleyas per doz	6.00 to 7.50
Dendrobium "	4.00 to 5.00
Assorted, box	$5.00 to 25.00

Florists' Supplies of all kinds at lowest prices

MISCELLANEOUS			
Asparagus Strings, each	.40 to .50	Gardenias, doz.	$4.00 to $5.00
Asp. and Sprengeri, bunch	.25 to .50	Mums, fancy, doz	$3.00 Per 100
Adiantum, per 100	1.00	Ordinary, doz.,	$1.50 to $2.00
Ferns, Common, per 1,000	1.50	Violets	1.00 to $1.50
Galax, G. and B " "	1.00 to 1.50	Valley	3.00 to 4.00
Leucothoe Sprays " "	7.50	Valley, special fancy	5.00
Wild Smilax, 50-lb. cases	6.00	Harrisii and Callas	15.00 to 20.00
Sheet Moss, per bag or bbl	2.50	Smilax, per doz	1.50

SUBJECT TO MARKET CHANGE.

Give me your advance orders for Thanksgiving and you can feel assured of securing the best stock this market supplies.

CHAS. W. McKELLAR
51 Wabash Avenue :: :: CHICAGO, ILL.

"THE BUSIEST HOUSE IN CHICAGO."

...WE OFFER...

Beaven's Fadeless Sheet Moss

Wild Smilax, Fancy Ferns, Roses, Carnations, Violets, Valley, Pansies

and all CUT FLOWERS in season.

J. B. DEAMUD, Pres.
W. P. KYLE, Vice-Pres.
ALEX. NEWETT, Mgr.

J. B. DEAMUD CO.,
51 and 53 Wabash Ave., CHICAGO.

WHITE VIOLETS
$2.00 per 100.
S. S. PENNOCK-MEEHAN CO., 1610-1618 LUDLOW ST., Philadelphia, Pa.

Philadelphia.

DEMAND LIVELY.

The demand last week was lively, weddings and the fair debutantes keeping things moving. At one of these teas, where the sisters came out together, there were over 200 clusters. This is believed to be the record so far for such an affair in this city. Chrysanthemums are now at their height and prices lag a little. Very nice flowers sell for $1.50 per dozen. Some of the fancies bring $2.50 to $3.50. Wm. K. Harris is in with Grace, a light sport of Maud Dean. This is a daybreak color with a trifle darker center, a very beautiful flower. He is also cutting Maud Dean. Roses are fairly plentiful, although all select stock seems to find ready sale. American Beauties range from $1.50 to $3, with a few specials bringing $1 more per dozen. Carnations are fairly plentiful, of good quality and selling as well as anything else. The price is $2 to $4.

NOTES.

The Chester county mushroom growers have experienced much difficulty this fall owing to their beds damping off during warm spells of weather. In some cases they had to be entirely cleared out. This is unfortunate, as prices are very high, as much as $1.25 per pound having been obtained, with an average since the season opened of 75 cents.

John Burton is back from Chicago, and is loud in his praise of the great show, at which he was one of the judges. He particularly admires the way in which the retail dealers helped in making the display the success that it was, their booths being the main feature of the exhibition.

The Leo Niessen Co. is very strong on American Beauty and Liberty roses, handling these favorites in large quantities. This concern is pushing the completion of its new building, which will double its present facilities.

Henry Fox is making his windows very attractive with made-up baskets and other arrangements of like nature. He is well pleased with the increase in his business.

The Pennock-Meehan Co. is handling an immense quantity of chrysanthemums, many of them very choice. The firm reports business excellent.

Wm. McKissick is making a hit with pompon chrysanthemum sprays. These are from the Shellem nurseries and sell on sight. K.

LIBERTY, N. Y.—The Shields farm near here has recently been purchased by Adam C. Breckenridge, a retired florist of Brooklyn, who intends building extensively upon the property. Large conservatories among other things are planned.

Boston.

TRADE SATISFACTORY.

In several branches of the trade there has been a decided enlivenment, causing business conditions in general to bear more satisfactory appearances. Funeral work in particular for the past week has been in great demand, coming from all classes of people. Cut flower trade so far this season is greatly increased over the usual fall demand and runs principally to chrysanthemums and roses, with violets selling better than heretofore. The market is well supplied with all sorts of flowers and slightly overstocked with chrysanthemums, which are now being received in great quantities in numerous varieties and all shades. We are just beginning to receive some really first class blooms, and, having been eagerly awaited for a month, they sell remarkably well. Much criticism has resulted from the inferior stock of late displayed. Numerous varieties of small chrysanthemums flood the market, and prove satisfactory to the medium class of trade. American Beauty, Richmond and Liberty outsell all other varieties of roses and are excellent. The demand for red roses was never greater and the market never in a better position to meet this demand. Carnations are abundant, all varieties now being cut. Among the best and most satisfactory are Fair Maid, Fenn and pink Patten. Many new varieties, the products of local growers, are on exhibition, a number of which have every appearance of successful futures. Princess of Wales violets were never more popular, and with thousands cut daily they simply overwhelm the double varieties. Calla lilies are again before the trade.

NOTES.

W. S. Wilson, for the past eight years prominent as a grower of roses, died suddenly November 8, at his home in Wellesley, Mass. Pneumonia was the cause of death, which resulted after a week's illness, and it was with much surprise and regret that the news was received by his fellow-tradesmen. Mr. Wilson formerly was located at New London, Conn. Coming to Massachusetts, he purchased a suitable site for rose growing, at which he was an expert, in which work his untiring efforts and attention secured for him great success. Of reticent disposition, Mr. Wilson's first attention was devoted to his family and his business. His products were always classed with the best, and as he was his own salesman, he came in direct communication with his trade. He was one of the original stock holders of the Boston Co-operative Flower Market, and at his stall daily during the season he could be seen displaying his stock to the buyers. Mr. Wilson leaves, besides a wife, two daughters and a son, the latter being a student at the Massachusetts Institute of Technology.

W. F. Alyward has accepted the position of market salesman for the firm of Anderson & Williams, handling along with their large crops of roses an excellent stock of Bouvardia Humboldtii which this firm introduced as a commercial flower in this section.

D. Henry Sullivan, who was assistant superintendent of public grounds under William Doogue, lately deceased, has been appointed to the vacancy by Mayor Fitzgerald and it is expected the appointment will be confirmed by the board of aldermen at its next meeting.

William Hastings, the popular traveling agent for the A. H. Hewes Co., has just returned from a successful trip through the southern states. He reports business all through this section booming with a very bright outlook for the future.

Patten & Co., of Tewksbury, have added another excellent carnation to their already large list of the best on the market. This season they are displaying Rose Pink Enchantress, the first to be seen in the local market.

W. H. Knapp, of Newtonville, is cutting the first of his annual crop of cosmos to which he devotes a large section of his plant.

H. W. Vose, of Hyde Park, is rather in advance of the season, sending to market the first bulb stock of Paper White narcissus.

B.

Louisville.

TRADE FAIR.

Business the past week has averaged very fair, probably the only over supply being roses, which are in full crop now. Chrysanthemums are with us in great quantities, and find a very satisfactory demand, the quality being very good. American Beauty has also had an excellent demand. Other roses have a fair demand, and can be had in satisfactory quantities, the quality being good. The supply of carnations is much better than it has been for some time, as is the quality. The demand is satisfactory. Violets are in very good supply of good quality. The demand is satisfactory. It is still impossible to secure good lily of the valley in quantities. The demand is good. Mignonette can be had in small quantities, as can lilies. Green goods are in fair supply.

The regular monthly meeting of the Kentucky Society of Florists was held at Fred L. Schulz's wholesale house with a very encouraging attendance.

F. L. S.

Beauties

THE BEST AND THE LARGEST STOCK IN PHILADELPHIA.

THE LEO NIESSEN CO.

WHOLESALE FLORIST.

Open From 7 A. M. to 8 P. M.

1217 Arch St., PHILADELPHIA, PA.

Chrysanthemums

ANY GRADE. ANY VARIETY. ANY QUANTITY.

PITTSBURG FLORISTS' EXCHANGE, Pittsburg, Pa.

NOW READY

to fill orders for **American Beauties, Lily of the Valley, Carnations** and all varieties of **Tea Roses** in lots of one hundred to one thousand at short notice. Get our prices before ordering elsewhere.

WELCH BROTHERS, 226 Devonshire St., BOSTON, MASS.

ASPARAGUS PLUMOSUS NANUS.

Cut Strings, 50 cents each.

W. H. ELLIOTT, Brighton, Mass.

THE

J. M. McCullough's Sons Co.

Wholesale Commission Florists.

CONSIGNMENTS SOLICITED.

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES, SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

Please mention the American Florist when writing.

THE

Rose Pink Enchantress

Is the best and the most profitable pink carnation in sight. If ever you had a good thing on your bench you will be sure to find one in the

Rose Pink Enchantress

Ask me who has it in your neighborhood, and I will unhesitatingly refer you to your own neighbor. It is **THE** carnation to grow.

Price:—Strong rooted cuttings, $7.00 per 100; $60,00 per 1000. Address

S. S. SKIDELSKY,

824 No. 24th Street, PHILADELPHIA, PA.

Please mention the American Florist when writing

Holton & Hunkel Co.

Wholesale Florists

Milwaukee, Wis.

Please mention the American Florist when writing.

H. G. BERNING,

Wholesale Florist

1402 Pine St., ST. LOUIS, MO.

Please mention the American Florist when writing.

Wholesale Flower Markets

PHILADELPHIA, Nov. 14.

Roses, Tea	3 00@ 4 00
" " extra	6 00@10 00
" Liberty	4 00@15 00
" Queen of Edgely, extra	16 00@35 00
" " first	12 00@15 00
" Beauty, extra	16 00@35 00
" " first	12 00@15 00
Carnations	2 00@ 5 00
Lily of the Valley	2 00@ 5 00
Asparagus, bunch	25 00@50 00
Smilax	15 00@20 00
Adiantum	1 00@ 1 50
Cattleyas	40 00@50 00
Gardeniaa	40 00@50 00
Lilium Harrisii	12 50@15 00
Violets, single	50@ 75
" double	75@ 1 00
Chrysanthemum special	40 00@50 00
" extra	20 00@30 00
" medium	10 00@16 00

BOSTON, Nov. 14.

Roses, Beauty, best	25 00@35 00
" " medium	12 00@20 00
" " culls	2 00@ 8 00
" Bride, Bridesmaid	2 00@ 4 00
" Extra	6 00@ 8 00
" Liberty	6 00@25 00
Carnations	1 00@ 2 00
" Fancy	2 00@ 3 00
Lily of the Valley	2 00@ 4 00
Smilax	8 00@12 00
Adiantum	1 00@ 1 50
Asparagus	35 00@50 00
Sweet peas	25@ 75
Violets	50@ 75
Asters	75@ 1 00
Gladioli	2 00@ 4 00

BUFFALO, Nov. 14.

Roses, Beauty	5 00@25 00
" Bride, Bridesmaid, Meteor	3 00@ 8 00
Carnations	1 50@ 3 50
Lily of the valley	3 00@ 4 00
Asparagus, strings	40 00@50 00
Smilax	12 00@15 00
Adiantum	75@ 1 50
Lilies	5 00@15 00
Chrysanthemums	5 00@20 00
Violets	60@ 1 00

THE ART OF Floral..... Arrangement.

The first special newspaper in the world for floral arrangement.

250 ILLUSTRATIONS ANNUALLY.

Specimen number free. Subscription, $2.40 yearly.

BINDEKUNST-VERLAG,

J. Olbertz, ERFURT, GERMANY.

Please mention the American Florist when writing

J. B. MURDOCH & CO.

WHOLESALE FLORISTS,

FLORISTS' SUPPLIES.

545 Liberty Ave., PITTSBURG, PA.

Please mention the American Florist when writing.

C. A. KUEHN,

Wholesale Florist,

22 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

Please mention the American Florist when writing.

POMPON CHRYSANTHEMUMS. ALL SEASONABLE CUT FLOWERS.

ABSOLUTELY THE BEST POSSIBLE SERVICE.

W. E. McKissick

WHOLESALE FLORIST,

Business Hours 7 a.m. to 8 p.m. 1221 Filbert Street, PHILADELPHIA, PA.

Nephrolepis Whitmani

2¼-inch, $25.00 100,

Boston Ferns 2¼-in. $3.00 per 100.

Henry H. Barrows & Sons, WHITMAN MASS.

Eine absolute Nothwendigkeit!

Hiermit $1.00 für mein Abonnement. Es ist die Pflicht eines Jeden prompt für den „American Florist" zu bezahlen, weil dieser eine absolute Nothwendigkeit für jeden Blumenzüchter ist.

Carl Roegner, Alabama.

New York.

MARKET ACTIVE.

The market is moving along with a certain amount of satisfaction to such growers as can send in good stock, but the general run of arrivals is having a rather hard time to make good. The demand, for the time of year, is not what it should be and reasons for such a condition are hard to advance. So far there has been no real glut in chrysanthemums, but the market is experiencing a plentity just now which is embarrassing. Roses are plentiful, and minor grades are rather hard to clear out. Crimson varieties are taken a little more freely, owing no doubt to the season, and Liberty and Richmond are both more attractive than they have been for many months. Among the offerings in pink, Killarney is doing very well, and appears to be a good thing to handle. Carnations are becoming daily more plentiful, but are taken well, and the best long stemmed and full flowered varieties will bring a trifle more than quotations when selected. Enchantress appears to have the best call in every respect. Violets are not coming in anything like quantity, and some of the handlers are quite free in their remarks as to the direct shipments to the west which the Hudson river growers are making. Orchids have recovered from the little slump experienced two weeks ago, and fair prices are now obtained for cattleyas; and the supply is just about even with the demand. Lilies go off fairly well, and are not short in the offerings. Lily of the valley cleans up well, and gardenias at times do not quite supply the demand. Bouvardia, snapdragon and pansies, are among other offerings which seem to clean out well.

The Market, November 14.—The market was rather sluggish today, roses cleaning out poorly.

NOTES.

C. W. Eberman, formerly in charge of the plant department of Siegel Cooper Co., has gone into business on his own account at No. 53 West Thirtieth street, the store recently occupied by Julius Lang. He will deal in plants of all kinds at wholesale, and will conduct his business on a wholesale and commission basis. Charlie is well known and should be able speedily, to work up a successful business.

H. H. Barrows of Whitman, Mass., was in town this week, and gathered statistics as to how Nephrolepis Whitmani was doing in this market. Incidentally he took a few orders for plants, and made rather a wide acquaintance at the meeting of the New York Florists' Club, of which he is a member.

Jacob Hauck of Bloomfield, N. Y., is shipping to A. J. Guttman some very fine Timothy Eaton chrysanthemums, also blooms of a new pink variety originating with him.

J. K. Allen is showing daily shipments of that fine pink carnation, Mrs. Clarence Mackay. Next to Enchantress it is filling a want for a strong pink.

Alex. J. Guttman returned from Chicago on Monday afternoon and is very enthusiastic in his eulogies of the Chicago Flower Show last week.

J. H. Small & Son in their window decorations this week are using large fir cones, with trailing ivy for their general decorative bases.

Alfred H. Langjahr is receiving daily some fine snapdragon and in green goods his asparagus brings many buyers to his store.

Peter Brown is opening up again in the wholesale business at 45 West Twenty-ninth street, opposite his old quarters.

Frank Millang, of the Coogan building, is nursing a severely sprained ankle.

New York Florists' Club.

The meeting of the New York Florists' Club, November 12, which was ladies' night, was probably the best attended in the history of the club. Nearly 250 members and guests were present, and the arrangements made for the gathering were carried out without a hitch. Routine business of the club was pushed through rapidly so that the entertainment feature should not suffer. Nominations for officers put forward by the nominating committee were as follows: For president, Charles H. Totty and John B. Nugent, Jr.; vice-president. H. O. May and A. J. Manda; secretary, John Young and Alex. J. Guttman; treasurer, C. B. Weathead and L. W. Wheeler; trustees, Walter F. Sheridan, Julius Roehrs, Jr., E. V. Hallock, J. Donaldson, Charles Lenker and John Scott. A committee was appointed to prepare a memorial on the death of the father of Philip J. Kessler, a much esteemed member of the club. The exhibition of flowers was very fine.

A. McDonald, gardener to J. B. Duke, Somerville, N. J., staged one of the finest exhibits of chrysanthemums ever seen in the club rooms. There were 15 varieties shown, all in exhibition form.

Guttman & Weber, of Lynbrook, L. I., showed a fine vase of Rose Pink Enchantress carnations, which was much admired.

Paul Niehoff, Lehighton, Pa., staged a fine vase of his new Aurora rose, and was awarded a preliminary certificate.

C. W. Ward exhibited a handsome vase of mixed carnations.

Peter Fisher, Ellis, Mass., showed his new carnation, Beacon, and gained a preliminary certificate.

Chas. H. Totty showed his new chrysanthemum, White Duckham, but on account of the heavy demand upon his stock for exhibition purposes the committee on awards deferred decision for a view of later stock.

H. Turner, gardener to Howard Gould, showed three vases of grand chrysanthemums.

H. H. Barrows, Whitman, Mass., showed two very fine specimens of Nephrolepis Whitmani.

Victory carnations were admirably staged by Guttman & Weber and fulfilled all that the disseminators had claimed for them in the way of appearance.

Andrew Wilson and L. Boelsen were elected to membership and H. D. Darlington, Emile Savoie, C. Sierens, and Paul Niehoff were nominated for membership.

President Scott brought the Clan MacDonald glee club from Brooklyn, and their glees were greatly enjoyed.

Andrew Wilson, the "plant oil man" from Summit, N. J., earned his new membership in the club by his ability as an entertainer. A violin solo, buck and wing dance, and digitorial solo were among his specialties, and his able assistant, Mr. Lusk, showed great "banjoistic" ability, one of his specialties being an electric serenade performed in the darkened room.

The young daughter of John Bernie gave three or four Scotch dances in highland costume, to the accompaniment of pipe, played by an accomplished Highlander, also in the national costume. This was a notable event on the programme.

The Rickards Bros. did a turn in the way of vaudeville entertainment which proved that if anything happened to the very fine seed business they are building up they would get a grand boost from the florists if they should take to the boards.

With John B. Nugent's solos taken into account the club made a fine showing with its own talent. Outside of this, solos and recitations by friends of the club were liberally provided, and with solid and liquid repasts for those in attendance, the gathering went home highly impressed with the facilities afforded by the club for a delightful evening.

Horticultural Society of New York.

PLANT HARDINESS AND ACCLIMATIZATION.

The responses to the preliminary letter of inquiry, issued in the early part of this year, have proved so encouraging that the council of the Horticultural Society of New York, at the meeting held on October 10, decided to proceed with the project, and is arranging to hold the conference on plant hardiness and acclimatization in New York about the end of September, 1907.

From all parts of the United States, from several European countries, and from South America and Canada, as well as the West Indian Islands, active interest has been expressed, and at this early date, a number of papers and contributions have been promised. The conference has the endorsement of the United States Department of Agriculture, and the majority of the directors and horticulturists of the state experiment stations have signified their intention of contributing information, or sending delegates.

The great importance of the subjects to be discussed in their relationship to practical horticulture, fruit growing and the nursery trade is evident to everyone, and the council, in soliciting your further support, thanks you for any attention in the past.

A special committee of the society, in charge of the arrangements for the conference, was appointed as follows: James Wood, N. L. Britton, P. O'Mara, H. A. Siebrecht and Leonard Barron. Communications from those interested should be addressed to the office of the society, Room 60, Bryant Building, 55 Liberty Street, New York.

LEONARD BARRON, Sec'y.

..ORCHIDS..
ARRIVED IN FINE CONDITION.
Cattleya Harrisoniae, C. Intermedia, C. Gigas, C. Trianae C. Speciosissima, C. Leopoldii, Laelia purpurata, Oncidium varicosum Rogersii, Marshallianum, Phalaenopsis amabilis and P. Schilleriana.
Lager & Hurrell, SUMMIT, N. J.
Orchid Growers and Importers.

HORACE E. FROMENT, Wholesale, Commission,
Successor to William Chormley.
Orchids, Roses, Carnations, Valley, Lilies, Etc.
57 West 28th Street, NEW YORK CITY.
Telephones 2200 and 2201 Madison Square.

WE WILL CUT **20,000 Cattleya Labiata**
FLOWERS, ALSO PLANTS IN BLOOM, ALL AT THE LOWEST MARKET PRICES.
SIEBRECHT & SON, ...ROSEHILL NURSERIES.. NEW ROCHELLE, N. Y.

Choice Carnations. Selected Roses.
Traendly & Schenck
NEW YORK CITY,
44 W. 28th Street, Cut Flower Exchange.
New Telephone No. 798 & 799 Madison Sq.
Please mention the American Florist when writing

CARNATIONS
MY SPECIALTY
Consignments Solicited. Prompt Payments
Established 1891.
Alfred H. Langjahr, 55 W. 28th St., NEW YORK.
Telephone 3924 Madison Square.
Please mention the American Florist when writing

FORD BROS.
Receivers and Shippers of
Fresh Flowers
48 West 28th St. NEW YORK.
Telephone 3870-3871 Madison Sq.
Please mention the American Florist when writing

N. Y. Cut Flower Exchange
Coogan Bldg., 6th Ave. & W. 26th St., New York.
Open for Cut Flower Sales at 6 o'clock Every Morning.
Desirable Wall Space to Rent for Advertising.
V. S. DORVAL, JR., Secretary.
Please mention the American Florist when writing

JOHN P. SCHERER,
Wholesale Dealer in
EVERGREENS, GALAX, FERNS and DECORATIVE SUPPLIES.
I can supply everything needed in the way of GREENS OR MOSS.
636 Garden St., UNION HILL, N. J.

ORCHIDS
Largest Importers, Exporters, Growers and Hybridists in the World.
SANDER, St. Albans, England.
NEW YORK OFFICE: Room 1, 235 Broadway
T. MELLSTROM Agent

Charles H. Totty
WHOLESALE FLORIST
Chrysanthemum Novelties A Specialty. MADISON, N. J.

ORCHIDS...
(28 HOUSES)
Imported, semi-established, established, and fine Hybrids. Stove and greenhouse plants.
Inspection invited. Correspondence solicited.
JULIUS ROEHRS CO., Rutherford, N. J.

Wholesale Flower Markets

NEW YORK, Nov. 14.

Roses, Beauty, best	10 00@20 00
" medium	5 00@10 00
" culls	1 00@ 4 00
" Liberty, best	3 00@ 7 00
" " culls	1 00@ 2 00
" Bride, Bridesmaid, G. Gate	5 @ 5 00
" Kaiserin, Carnot	1 00@ 6 00
Carnations	1 00@ 1 50
" fancy and novelties	2 00@ 4 00
Lily of the valley	1 00@ 4 00
Lilies	6 00@15 00
Violets	50@ 75
Smilax	6 00@ 8 00
Adiantum	50@ 1 00
Asparagus	20 00@50 00
Chrysanthemums, doz.	$0 50@$2 00

Thomas Young
WHOLESALE FLORIST.
43 West 28th St., NEW YORK.

Alex. J. Guttman
The Wholesale Florist of
NEW YORK.
Phone 1664-1665 Mad. Sq. 43 W. 28th Street.

Moore, Hentz & Nash,
Wholesale Commission Florists,
55 and 57 West 26th Street,
Telephone No. 756 Madison Square. New York.

N. Lecakes & Co.
53 W. 28th St., NEW YORK.
Tel. No. 1214 Madison Square
Stands at Cut Flower Exchange, Coogan Bldg., W. 26th Street & 34th Street Cut Flower Market. SPECIALTIES: Galax Leaves, Ferns and Leucothoe Sprays, Holly, Princess Pine and all kinds of Evergreens.
Green and Bronze Galax Leaves, $1.00 per 1000.

A. J. FELLOURIS,
J. J. Fellouris, Manager.
Wholesale and Retail Dealer in all kines of EVERGREENS, Fancy and Dagger Ferns Bronze and Green Galax.
Telephone, 2675 Madison Square.
52 West 28th Street, NEW YORK.

George Cotsonas & Co.
Wholesale and Retail Dealers in all kinds of
Evergreens.
Fancy and Dagger Ferns, Bronze and Green Galax.
Phone 1202 Mad. Sq.
Main Store, 50 W. 28th St., NEW YORK

—FLOWERS SHIPPED BY—
JOHN I. RAYNOR
Are the best product of the best growers for the New York Market.
Adiantum Croweanum sold here exclusively.
49 W. 28th St., NEW YORK.
Tel. 1998 Madison Square.
Please mention the American Florist when writing

Walter F. Sheridan,
WHOLESALE FLORIST,
Telephones 3532 and 3533 Madison Square.
39 West 28th St., NEW YORK.
Please mention the American Florist when writing.

J. Seligman. Joseph J. Levy
John Seligman & Co.
WHOLESALE FLORISTS
56 West 26th Street, NEW YORK.
OPPOSITE N. Y. CUT FLOWER CO.
Everything in Cut Flowers. Consignments from growers solicited. Prompt returns. Best prices. Satisfaction guaranteed. Tel. 4878 Madison.

PHIL. F. KESSLER
Wholesale Commission Florist
Telephones { 2921 / 5243 } Madison Square.
55 WEST 26th STREET,
Consignments solicited. Prompt payments. New York.

A. M. HENSHAW
Wholesale Commission Florist,
Consignments of first-class stock solicited. A Square Deal guaranteed to all who trade here.
Telephone 5583 Madison.
52 W. 28th St., NEW YORK

A. L. Young & Co.
WHOLESALE FLORISTS.
Consignments of choice cut flowers solicited. Give us a trial.
54 West 28th St, NEW YORK.
Telephone, 3559 Madison Square.

C. W. EBERMAN
Wholesale and Commission
PLANTS.
Consignments Solicited.
53 W. 30th Street, Telephone 3767 Mad. Sq. NEW YORK.
Please mention the American Florist when writing.

THE KERVAN COMPANY,
20 West 27th St., NEW YORK.
Wholesale dealers in fresh cut Palmetto and Cycas Palm leaves, Galax, Leucothoe Ferns, Mosses and all Decorating Evergreens.

J. K. ALLEN.
Wholesale Commission Florist.
106 West 28th St., NEW YORK CITY.
Open every day at 6:00 A.M Tel. 167 Madison Sq.
Please mention the American Florist when writing.

CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

William H. Donohoe, No. 2 West 29th St., (One Door Off 5th Ave.) NEW YORK.

PHONES: 3034 and 3035 MADISON SQUARE.

Write, wire or telephone your orders to the above. Personal attention assured.

The best is none too good. Prices always right. Send me your next order.

DETROIT.

JOHN BREITMEYER'S SONS

Cor. MIAMI and GRATIOT AVES.

DETROIT, MICH.

...Artistic Designs...

High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

MILWAUKEE.

C. C. Pollworth Co.

MILWAUKEE, WIS.

Will take proper care of your orders in WISCONSIN.

INDIANAPOLIS.

Bertermann Bros. Co.

FLORISTS

241 Massachusetts Ave., INDIANAPOLIS, IND.

ST. LOUIS.

Fred. C. Weber,

FLORIST,

4320-4328 Olive St., ST. LOUIS, MO.

Established 1873. Bell, Lindell 676.

DENVER.

The Park ...Floral Co.

J. A. VALENTINE, President. DENVER, COLO.

OMAHA.

HESS & SWOBODA,

Florists,

1415 Farnam Street. 'Phone 1501 and L. 1582. OMAHA, NEB

Please mention the American Florist when writing.

DENVER.

FLORAL DESIGNS AND FLOWERS.

Best Quality on Shortest Notice.

DANIELS & FISHER, DENVER, COLO.

Order by mail, telephone, telegraph or cable. Cable address: "Daniels Denver."

LONDON PARIS BERLIN

A. Lange

Prompt Attention to STEAMSHIP ORDERS.

Main Address 40 East Madison Street, Heyworth Bldg. ...CHICAGO.

Agents in all Leading European Cities.

GUDE BROS. CO. FflorISTS 1214 F ST. N.W. WASHINGTON, D.C.

WASHINGTON, D. C.

Gude's.

CHICAGO.

P. J. HAUSWIRTH

Auditorium Annex,

CHICAGO.

Mail, telegraph or telephone orders filled promptly in best style.

BUFFALO.

Palmer's

Buffalo, N. Y.

W. J. Palmer & Son, 304 Main St.

WASHINGTON.

GEO. H. COOKE,

FLORIST

Connecticut Avenue and L Street, WASHINGTON, D. C.

KANSAS CITY.

Samuel Murray

...FLORIST...

Coates House Conservatory

1017 Broadway, KANSAS CITY, MO.

Both 'Phones 2670 Main.

Write, Telephone or Telegraph. All orders given prompt attention.

KANSAS CITY.

GEO. M. KELLOGG,

836 Grand Avenue,

KANSAS CITY and PLEASANT HILL, MO.

Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

BROOKLYN, N. Y.

Robert G. Wilson

Fulton St. and Greene Ave. BROOKLYN

Greenhouses: Short Hills, N. J.

—Deliveries in—

Greater New York, Long Island and New Jersey.

Trade orders from all parts of the country filled for delivery at residence, steamer, hotel, or theater on wholesale basis. Satisfaction guaranteed. Wire or telephone.

ST. PAUL.

HOLM & OLSON,

ST. PAUL.

THE LEADING FLORISTS OF THE NORTHWEST

Orders will be well cared for anywhere in Minnesota and the Dakotas.

GALVESTON.

Mrs. M. A. Hansen,

—FLORIST—

Galveston, Texas.

Special attention given to Telegraph or Telephone Orders. 'Phone 1912.

JACKSONVILLE.

MILLS THE FLORIST,

36 W. Forsyth Street,

JACKSONVILLE, FLA.

WASHINGTON.

Mayberry & Hoover

Florists and Decorators

1339 Fourteenth St., Northwest

Telephone North 508. WASHINGTON, D. C.

New Orleans

CUT FLOWERS

For Tourists and General Trade.

Wire or mail. Highest Grade Stock Only.

URIAH J. **VIRGIN,** —838— CANAL ST.

COLUMBUS.

The Livingston Seed Co.

FLORISTS

Cover All Ohio Points. 114 North High St.

YOU WANT CUT FLOWERS

That you can sell to advantage. You want the **BEST STOCK,** and only the **BEST,** don't you? Then give us a trial. We have **every** facility for handling the choicest lines of seasonable stock—and we do.

FLORISTS' SUPPLIES are specialties of ours The most up-to-date and best of supplies can be obtained of us at lowest price. Try us once and we will get your future orders. Write for catalogue.

A. L. RANDALL CO., 19-21 Randolph St., Chicago

The Cleveland Cut Flower Company,

WHOLESALE CUT FLOWERS, FLORISTS' SUPPLIES, WIRE DESIGNS.

215 Huron Road, CLEVELAND, OHIO.

Cut Flowers or Designs

Will be delivered for the Trade on Wire or Ma Orders in Best Qualities and Prices.

ST. LOUIS.

Theodore Miller

FLORIST,

Long Distance Phone, Bell, Forest 56, Kinloch, Delmar 201. **4832 Delmar Boulevard ST. LOUIS, MO.**

Please mention the American Florist when writing

DAYTON, O.

Matthews,

FLORIST,

16 W. 3rd St., DAYTON, O.

Please mention the American Florist when writing.

ALBANY, N. Y.

EYRES

Flowers or Design Work.

DELIVERED IN ALBANY AND VICINITY ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

Please mention the American Florist when writing

ROCHESTER.

J. B. KELLER SONS,

FLORISTS.

25 Clinton Ave., N., ROCHESTER, N. Y.

Rochester Phone 506. Long Dist. Bell Phone 2189.

Please mention the American Florist when writing

SAN FRANCISCO.

J. B. Boland Co.

Successors to Sievers & Boland,

FLORISTS,

47-49 Geary St., SAN FRANCISCO, CAL.

LOUISVILLE.

JACOB SCHULZ, 644 Fourth Ave., LOUISVILLE, KY.

Cut Flowers of BEST QUALITY in season delivered promptly to any address.

Write, Telegraph or Telephone.

Cumberland and Home Phones 223 and 984.

Please mention the American Florist when writing.

ATLANTA.

ATLANTA FLORAL CO.

41 Peachtree Street, ATLANTA, GEORGIA.

Please mention the American Florist when writing.

ORCHIDS.

We are still headquarters for Orchids; following is the list of plants just arrived in fine condition:

Cattleya Harrisoniae, C. Intermedia, C. Gigas, C. Trianaei, C. Speciosissima, C. Leopoldii, Laelia purpurata, Oncidium varicosum Rogersii, O. Marshallianum, Phalaenopsis amabilis and P. Schilleriana and many more.

We also recommend our fine stock of established Orchids, many of which are now in sheath and spike, also selected Orchid Peat, Live Sphagnum Moss, Orchid Baskets; etc.

LAGER & HURRELL, Summit, N. J.

FERNS.

Extra Fine and Cheap.

FROM BENCH. Boston, 3-inch 5c; 4-inch, 10c.; 5-inch, 12½c. Tarrytown, 3-inch, 10c.; 4-inch, 15c; 6-inch, 25c; Tarrytown Runners, fine stock, $2.00 per 100. Scottii, 3-inch, 8c; 4-inch, 12½c.

FLOWERING BEGONIAS, 8 kinds, 2-inch, 2½c.

ASPARAGUS SPRENGERI, 2½-in., $2.00 per 100

Dbl. DAISIES, Longfellow, Delicata, $2 50 per 1000.

HARDY PINKS, field, Essex Witch, M. Gray, Abbottsford, 3½c.

Dbl. HOLLYHOCKS, 4 colors, field, 1 year, 3c

HARDY CARNATIONS, nice young plants from frames, $2 00 per 100.

REX BEGONIAS, 3-inch, 8c.

Cash or C. O. D.

BYER BROS., Chambersburg Pa.

Please mention the American Florist when writing

Chrysanthemum Stock Plants.

Mrs. William Duckham, Col. Appleton, Merza, Cheltoni, F. A. Cobbold F. S. Vallis, Wm. Duckham, Nellie Pockett, Henry Robinson, etc., per 100, $10.00. All strong plants.

C. PETERSON, 307 Lincoln St., FLUSHING, NEW YORK.

Blackistone Florist
14th and H Sts. N.W.
Washington, D.C.

Please mention the American Florist when writing.

FERNS FROM BENCH.

BOSTONS, ready for 4 and 5-inch pots. $10.00 and $15.00 per 100 respectively.

CARNATIONS.

1500 Norway, extra large, healthy plants, $3.50 per 100; $30.00 per 1000.

ASPARAGUS.

Heavy, 2½-inch, plants, ready for a shift.

Sprengeri, extra fine.. 3.00 per 100; 25.00 per 1000

JERUSALEM CHERRIES, 3½-inch, now in bloom, $4.00 per 100. These plants are ready for 5-inch.

J. W. DUNFORD, Clayton, Mo.

Poehlmann Bros. Company

MORTON GROVE, ILL.

STOCK 'MUM PLANTS.

WHITE—Kalb, Alice Byron, Robinson, Adelia, White Bonnaffon, Crawford, Timothy Eaton, Chadwick, Merry Christmas, Willowbrook, Wanamaker.

YELLOW—Col. Appleton, Halliday, Yellow Eaton, Major Bonnaffon, Whilldin, Reiman, Merstham Yellow, Sunshine

PINK—McNiece, Perrin, Enguehard, Maud Dean, Pink Ivory.

RED—Intensity.

$6.00 per 100; **75c** per dozen, for limited time. This stock will have to be moved to make room.

ORDER AS SOON AS POSSIBLE.

Always mention the American Florist when you order stock.

The Seed Trade.

American Seed Trade Association.
H. W. Wood, Richmond, Va., Pres.; C. S Burge, Toledo, O., First Vice-Pres.; C. E. Kendel. Cleveland, O., Sec'y and Treas. Twenty-fifth annual convention at New York, 1907

ONION SEED prices are still in the air.

VISITED NEW YORK: A. H. Goodwin, Chicago.

GARDEN BEANS are hardly as plentiful as was supposed.

ONION SETS, both summer tops and white multipliers, are scarce.

MILFORD, CONN.—Mrs. Enoch Clark, mother of Albertus M. Clark, died October 15, aged 84 years.

HOLLISTER, CAL.—Articles of corporation have been filed by the A. J. Pieters Seed Co., with offices and principal place of business at this place.

BOUQUET GREEN. — The outlook for bouquet green in Wisconsin districts is no better November 15. Very cold weather, with considerable snow, prevails.

VISITED CHICAGO: Judson Kramer, Cedar Rapids, Ia.; G. Purvis, of Rennie & Co., Montreal, Que.; the Kendel brothers, of the firm of A. C. Kendel, Cleveland, O.; A. C. Brown, Springfield, Ill.

LOCAL Wisconsin papers have warned farmers and others to keep out of the woods where bouquet green picking is done as the open season is now at hand for deer hunting and a Swede green picker was shot November 10.

DES MOINES, IA.—The Iowa Seed Co. had quite a successful opening and flower show at its store November 10 and 11. Visitors were handed a circular commemorative of its thirty-sixth year of business, giving a brief historical sketch of the firm with illustrations.

HOLLY. — Holly conditions generally are reported fair. It is thought there will be enough to go around, both east and west. Carefully packed stock will be secured as usual only from houses who buy for cash. Commission stock never has been and probably never will be dependable.

More About the Making of Catalogues.

The illustration herewith shows the Mucah cover made for Vaughan's catalogue of 1905, to which reference was made in our issue of October 13, page 550. We are advised that the artist will again visit this country soon. In connection with the making of catalogues one of our correspondents well suggests that it is a work which must be kept at unceasingly. No opportunity should be neglected to gather material for the next catalogue.

The Holland Bulb Season of 1906.

Hillegom, October 29.—Bulbs during the season now drawing to a close have sold exceedingly well. Hyacinths are sold out entirely. The leading varieties of tulips have sold at advanced prices and some exporters filled their orders at considerable loss. Crocuses advanced 50 per cent and are sold out entirely. Iris Hispanica and Scilla Sibirica held their prices notwithstanding the fact that there was an abundant supply on the market. The demand for these bulbs was very heavy. The gladiolus crop is only middling. Brenchlyensis is selling at high prices.

Vaughan's Catalogue Cover by Mucha.

Connecticut Seed Notes.

The final round up of Connecticut products in seeds would indicate nothing in surplus with the possible exception of a little turnip. Sweet corn has cured perfectly, and will be fine stock and sample, but the quantity on account of a much reduced acreage is very much less than for the past two or three years. Onion has developed shorter than the lowest estimates, and is altogether a very disappointing crop. Prices for Connecticut grown seeds must be advanced to the wholesale seed trade for contract orders, or it will be impossible to produce the quantities wanted by the trade.

Watson S. Woodruff, of S. D. Woodruff & Sons, Orange, was elected November 6 to represent his town in the general assembly, by one of the largest majorities ever given a candidate. His vote in his own district was one of the most remarkable ever given any candidate from the fact that out of a total vote cast in the district of 155 he received all but four.

Postage Rates.

ED. AMERICAN FLORIST:—

We notice in the last issue of your paper an item regarding a reduction in postal rates between New Zealand and the United States. We do considerable business with New Zealand and looked up this matter at once, but we find that your statement does not fully cover the case. It is not our own people that are benefited by this lower rate, but the people of New Zealand. They can send a letter from New Zealand to any part of the United States for one penny, English money, which is equal to 2 cents of our money, but we are still compelled to pay 5 cents postage on a letter the weight not to exceed ½ ounce. There is no chance for the reduction of letter postage we understand before October 1, 1907.

As the writer has previously stated, there is scarcely a civilized country in the world where the postal facilities are not better than here in the United States. While the people are accustomed to look with pride on our postal system, still it is simply because they do not know the conditions which exist in other countries. Congress continues to be dominated by the railroad and express lobbyists and the country merchants associations of the United States are acting as catspaws for the express companies, seeking to prevent the introduction of a parcels post system, which is opposed on the ground of the deficit in the post office department. This deficit is caused largely by the government paying about ten times as much for hauling mail matter as the railroad companies charge the express companies for their cars.

Canada has no post office deficit. Their rate on merchandise packages is less than half the rate in this country, and their rate on newspapers and other second class matter is only one-half cent per pound, while it is one cent per pound in the United States.

CHAS. N. PAGE.

Parcel Post With Denmark.

The secretary of the treasury recently issued a notice to collectors and other officers of the customs that a parcels-post treaty concluded with Denmark took effect on October 1. The customary provisions regarding prohibited importations subjecting the packages to customs dues and customs regulations are contained in the convention and embraced in part of the secretary's instructions.

The agreement provides in part that there shall be admitted to the mails exchanged thereunder articles of merchandise and mail matter, except letters, post cards, and written matter of all kinds that are admitted under any conditions to the domestic mails of the country of origin, except that no parcel

5,400 ACRES OF GARDEN SEEDS IN CULTIVATION.
Braslan Seed Growers Co.
WHOLESALE SEED GROWERS.
SAN JOSE, CALIFORINA.

—FRESH—
Kentia Belm. Seed
100, 75c; 1000, $5.00; 5,000, $22.50.

	Per 100	1000
Fresh Pandanus Utilis Seed.....	$1.00	$6.00
Asparagus Sprengeri....	.15	.75
Fern Seedlings for dishes, best assortment from flats	1.25	10.00
Asparagus Pl. Nanus Seedlings..	1.25	10.00
Asparagus Sprengeri Seedlings (special).....	.75	6.00

H. H. BERGER & CO.,
47 Barclay St., NEW YORK.

must exceed $50 or its equivalent in value, 4 pounds 6 ounces in weight, nor the following dimensions, viz., greatest length in any direction 3 feet 6 inches, greatest length and girth combined 6 feet, and must be so wrapped or inclosed as to permit the contents to be easily examined by customs officers and by postmasters duly authorized to do so.

Fixes Farm Produce Prices.

East St. Louis, Ill., October 26.—Prices on farm products were fixed today by the American Society of Equity at its convention here and by accepting the report of the committee; the members of the society bind themselves not to sell products at less than the following prices:

Wheat, No. 1 northern or No. 2 red, $1; corn, to the end of this year, 45c; from Jan. 1 to April 1, 50c; after April 1 and until prices are again fixed, 55c; oats, 40c; barley, No. 2, 55c; rye, 75c; buckwheat, 70c; potatoes, Irish, 65c; sweet, 75c; beans, navy, $1.50; red, $2; cotton, 12c; wool, 30c; hogs, $6.50; cattle, $6; sheep, $5.50; hay, $14; broomcorn, $75 to $100.

In nearly all the instances, the list of prices is to be based on Chicago markets, the exceptions being the price for beans, which is based on Detroit quotations, and cotton, on New York.

It was explained in the convention that members must receive the prices named, less the cost of transportation.

There were stormy scenes in the convention today. The fixing of prices was opposed on anti-trust grounds. The convention re-elected its officers, except the treasurer, the new treasurer being John P. Stelle of Indianapolis.

Bargain Seeds.

Gladys to the garden goes
Every sunny spring,
Bends her back, and digs and hoes;
Works like anything.
Plants a multitude of flowers,
(She buys bargain seeds)
But the summer sun and showers
Only bring up weeds.
—Chicago Record Herald.

MUSHROOM SPAWN.

Frequent importations from England. Always fresh and lively.

J. J. STYER, Concordville, Pa.

HJALMAR HARTMANN & CO.

Growers for the Wholesale Trade Only.

31 Barclay St. NEW YOYK. | 12 Stormgade, COPENHAGEN.

CAULIFLOWER and CABBAGE SEED

MICE PROOF SEED CASES.

SEND FOR BOOKLET.

HELLER & CO., Montpelier, O.

QUALITY SEEDS BULBS PLANTS

SEND FOR CATALOGUE.

ARTHUR T. BODDINGTON

342 West 14th St., New York.

J. STAER, Nurseryman and Seedsman,

WAHROONGA, New South Wales, AUSTRALIA.

Collector of Australian and Island Seeds and Plants. Palms, Ferns, Platyceriums, Orchids, Eucalyptus, ornamental trees and shrubs.

PALM SEEDS.

	Per 1000		Per 1000
Kentia Forsteriana	$1.25	Livistona Australis	.50
" Belmoreana	1.25	Bacularia Monostachya	1.50
" Canterburyana	3.00	Calamus Muelleri	1.50
" Moorei	12 00	Gymnostachys Anceps	2.00
Areca Baueri	1.00		
Seaforthia Elegans.	.50		

TREE SEEDS.

Castanospermum Australe.....$5.00 per 1000
Araucaria Excelsa. ..... 1.25 per 1000

Please mention the American Florist when writing.

PURE CULTURE

MUSHROOM SPAWN.

Per 10 bricks....$1.50 | Per 25 bricks..$ 3.50
Per 50 bricks.... 6.50 | Per 100 bricks.. 12.00

Fresh Tobacco Stems, in bales of 300 lbs.. $1.50

W. C. BECKERT, Allegheny, Pa.

C. C. MORSE & CO.

SEED GROWERS.

171-173 Clay Street, : SAN FRANCISCO, CAL.

OUR SPECIALTIES: Onion, Lettuce, Sweet Peas; also Carrot, Celery Celeriac, Cucumber, Endive, Leek, Mustard, Parsley, Parsnip, Radish, Salsify, Spinach. Tomato and **Flower Seeds.**

Growers for the Trade on Contract.

Warehouses: at SANTA CLARA.

Farms and Farm Headquarters: CARNADERO, near GILROY.

Registered Cable Address: "Morseed," San Francisco.

Seasonable Bulb Stock

We call attention to a few leading varieties of which we have good stocks,

FINE FORCING STOCK OR FOR BEDDING,

which we can supply as long as unsold as follows:

NARCISSUS.

	Per 1000
Golden Spur, the favorite single yellow	$18.00
Grandee (Maximus)	10.00
Horsfieldi	16.00
Princeps, large Irish single trumpet Daffodil	7.00
Single Von Sion, very early, much earlier than Trumpet Major	11.00
Trumpet Major, French-grown, forces extra early	12.00
Double Von Sion, extra sized bulbs	12.00
Double Von Sion, mammoth double-nosed or top-root	20.00
Incomparable fl. pl.	9 00
Incomparable Stella	5 50
Poeticus (Pheasant's Eye)	4.50
Poeticus Ornatus	7.00
Orange Phoenix	11.00
Giant Campernell (Jonquil-Rugulosus)	6.00
Double Jonquil	8.00
Bicolor Victoria, of great merit	....$3.C0 per 100 25.00
Barri Conspicuus	8.00
Silver Phoenix	20.00
Mrs. Langtry	10.00
Orientalis (Chinese Sacred Lily), bundle of 4 baskets 120 bulbs) for	....$4 80

HYACINTHS.

Miniature or **Dutch Romans,** fine for pans or for cutting, and can also be used very satisfactorily for bedding: very cheap and very profitable. Per 100

Grand Maitre, Gigantea, Gertrude, King of the Blue, and La Peyrouse.....$1.75

Baroness Van Tuyll and Mme. Van der Hoop..... 2.25

Czar Peter..... 2 50

Fine Named, such as Albertine, Gertrude, Grand Blanche, Robt. Steiger, Mme. Van der Hoop, L'Innocence, Baron Van Tuyll (pink) Marie, Blocksberg, Bouquet Tendre, Flevo, Garrick, Bouquet Royal, La Virginite, Prince of Orange etc., our selection of varieties.....$4 00 per 100; $30 00 per 1000

Where special varieties are wanted, write for price.

White Romans, selected bulbs 13-15 cm.. .....$3.00 per 100; $25.00 per 1000

LILIUM LONGIFLORUM.

Japan-grown, 9-10 in. bulbs, case of 200 for $15.00

Japan-grown, **Multiflorum,** 7-9 in. bulbs, case of 300 for..... 15.00

Japan-grown, **Multiflorum,** 9-10 in. bulbs, case of 200 for..... 17.00

LILIUM LONGIFLORUM.

Japan-grown, **Giganteum,** 8-10 in. bulbs, case of 225 for.....$22.50

	Per 1000
Freesia Refracta Alba, finest Bermuda bulbs	$7.50
Lily of the Valley. Just arrived. Our finest perfection grade for earliest forcing, immediate delivery, case of 2,000 pips for	$28.00
Gladiolus Colvilli alba, "The Bride"	7.50
Gladiolus Colvilli rubra	6 50
	Per 100
Astilbe, or **Spirea.** Ready for delivery. Gladstone	8.00
Astilboides floribunda and Japonica	5 00
Compacta multiflora	6.00
Dielytra spectabilis, strong clumps	8.00
	Per 1000
Crocus, large sized bulbs in finest named varieties.	
David Rizzio, La Majesteuse, Mont Blanc, Prince Albert, Sir Walter Scott, etc	5.00
Separate colors, blue, white, yellow, and striped	3.00
Allium Neapolitanum	5.00
Anemones, single	4 00
Chionodoxa Luciliae	6.50
Grape Hyacintha, blue	3.50
" " white	6.50
Spanish Iris, mixed	2.50
Double Ranunculus, French	3.50
" " Persian	4.00
" " Turban	5.00
Scilla Campanulata cerulea	3 50
Snowdrops, Single and Giant	6.00
Sparaxis	3.50
Ixias, mixed	2.50
Oxalis, Bermuda Buttercup	6.00

TULIPS.

	Per 1000
Cottage Maid	$ 9.00
Keizerskroon (Grand Duc)	17.00
La Reine	8.50
Prince of Austria	24.00
Bizardres, mixed	7.00
Darwins mixed	10.00
Golden Crown	7.50
Parrots, named	12.00
Count of Leicester	9.00
Duke of York	9.00
Gloria Solis	12.00
Lady Grandison	12.00
Murillo	19.00
Peony Red	10.00
Rose Blanche	8.00

For other varieties, see our wholesale list, which will be sent on application.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York

Utica, N. Y.

Business for the past two weeks has been rushing with plenty of good stock on the market. Chrysanthemums of good quality are selling at good prices. Roses and carnations are also going well.

The November meeting of the Utica Florists' Club was held at the greenhouses and residence of Wm. Pfieffer November 6. Mr. and Mrs. Pfieffer entertained about 25 members of the club in a way that will be long remembered by those present. A bountiful supper was served, followed by a smoker and general flower talk. It was decided to hastily arrange for a flower show which will be held in the evening, November 22, at Pfluke's hall. Many of the growers of the new varieties of chrysanthemums and carnations have signified their desire to send specimen blooms, so the exhibition promises to be a success. The display will be followed by a banquet and other entertainments which will be decided by the committee in charge composed of J. C. Spencer, Wm. Pfieffer and Frank McGowan.

NOTES.

J. C. Spencer of the firm of Spencer & Martin attended the flower show at Poughkeepsie during the past week. Mr. Spencer also visited the establishment of F. R. Pierson at Tarrytown, N. Y.

Frank Baker is cutting some of the finest carnations to be found in Utica. Chrysanthemums are also at top notch at this place.

Wm. Mathews has a pleasing display of rare orchids in his store windows.

BUD.

Columbus, O.

At the next meeting of the Florists' Club, which will be held November 13, the club will celebrate their entry into new quarters by a musical programme, which it is hoped will satisfy all present. There will also be a chrysanthemum show in which all the local florists will compete. Small cash prizes will be awarded to the winners.

Graff Bros. have a very nice display of chrysanthemums in their window, principally white and yellow.

C. A. Roth reports that everything on his place is doing fine and making a good showing.

CARL.

WILLOW GROVE, PA.—The addition to the greenhouses back of the car barn, will so increase their capacity that larger shrubs may now be taken in.

Queen Beatrice Rose.

Four to one shot. Four times as many flowers as Maid.

F. H. KRAMER, 916 F St., WASHINGTON, D. C

ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the

"Horticultural Advertiser"

This is the British Trade Paper, being read weekly by all the Horticultural traders; it is also taken by over 1000 of the best continental houses. Annual subscription to cover cost of postage 75c; Money orders payable at Lowdham, Notts.

Address **Editors of "H. A."**

Chilwell Nurseries, LOWDHAM, Notts, England

CYCLAMEN, LARGE FLOWERING for CHRISTMAS BLOOMING.

5-inch, $15.00 per 100; 4-inch, $10.00 per 100; 3-inch, $5.00 per 100, 300 for $10.00.

Primroses, Chinese and Obconica, well budded for Christmas blooming, 4-inch, $6.00 per 100; 3-inch, $3.00 per 100. **Asparagus Plumosus nanus,** 3½-inch, $6.00 per 100. **Cinerarias,** 3-inch, $3.00 per 100.

HILL TOP GREENHOUSES,
15-16 Gray Ave., UTICA, N. Y.

A Few Good Things You Want.

Cash with Order.

Dracaena Indivisa, 4 and 5-inch, $10.00 and $25.00 per 100.
Asparagus Plumosus, 2-in., $3.00 per 100.
Asparagus Sprengeri, 2-inch, $2.50 per 100.
Geraniums, S. A. Nutt, Castellane, John Doyle, Perkins, Poitevine and Double Gen. Grant, La Favorite, 2-in. pots, $2.00. Rooted cuttings $1.00 per 100.
Rex Begonia, nice plants, 2 and 2½-inch, $5.00 per 100.
Boston Ferns, 5-inch, 30c each.
Pierson Ferns, 5-inch, 50c each.
Vinca Var., 2-in., $2.00 per 100.
Primula Obconica, 2-in., $2.00 per 100.

GEO. M. EMMANS, NEWTON, N. J.

STOCK CHRYSANTHEMUMS.

Wm. Simpson, Polly Rose, Glory of Pacific, Ivory, White and Pink, Major Bonnaffon, Robt. Halliday, Maud Dean, Adelia, Viviand Morel, Lavender Queen, Yellow Jones, Queen, Silver Wedding, Geo. W. Childs, Dr. Enguehard and Alma (Pink Pompon), **75c** per dozen; **$5.00** per 100.

JOHN WALKER,
YOUNGSTOWN, - OHIO.

THE NEW

Cyclopedia of American Horticulture.

BY PROFESSOR LIBERTY H. BAILEY.

Over 4,357 articles in all by 450 expert writers, including practically all the best botanists, nurserymen, seedsmen, florists, market gardeners and experimental station horticulturists. Occupying 2,100 pages and covering 24,434 plant names, 2,800 detailed illustrations, enormously increasing the ease of identification, and 146 beautiful full page illustrations.

Every reader of this paper who is interested in farming, in gardening, in trees, in shrubs, and all out of door matters, absolutely needs this set. It takes the place of all others combined on American gardening.

In Six Great Quarto Volumes of 2,100 Pages You Find:

Descriptions alphabetically arranged of all—over a thousand—of the native trees, plants and flowers worth cultivating, with keys enabling you to name any species, as well as to find all information regarding it. Practical articles by leading experts of the country on all phases of commercial plant production and greenhouse management—cut flowers, vegetables, etc.

Fullest cultural instructions for every flower, fruit and vegetable, tree and ornamental plant you may wish to grow.

SPECIAL OFFER.

The regular price is ***$30.00.*** For a few weeks we are able to offer this new and revised edition with the new material added at ***$22.80*** cash. This offer will be withdrawn January 1, and the price increased.

American Florist Company,
324 Dearborn Street, CHICAGO.

Le Journal des Roses.

Organ of the French Rosarians.

Published at Paris. Once a month with colored plates.

Subscription $2.70 per Year. Sample Copies Free.

ADMINISTRATION DU SUISNES **JOURNAL DES ROSES**
a SUISNES, Brie
a Grisy-Suisnes. (Seine et M FRANCE.

Please mention the American Florist when writing

DAHLIAS.

Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring.

DAVID HERBERT & SON,
Successors to L. K. Peacock, Inc.. **ATCO, N. J.**

Please mention the American Florist when writing.

GOOD FERNS CHEAP.

	Per 100
BOSTONS, strong runners	$ 2.00
ELEGANTISSIMA, strong, 2½-in	5.00
PIERSONI, from 6-in pots	40.00
" from 7-in. pots	60.00
SCOTTII, from 5-in. pots	25.00
" from 6-in. pots	40.00
" from 7-in. pots	60.00
WHITMANI, strong young plants, from bench	10.00

DAVIS BROS., Morrison, Ill.

Please mention the American Florist when writing.

PANSIES.

Brown's Extra Select Superb Giant Prize Pansies.

Awarded silver medal St. Louis Exposition, 1904.

Plants, mixed colors, in any quantity, $3.00 per 1000. Cash with order.

PETER BROWN,
LANCASTER, PA.

Please mention the American Florist when writing

Muskogee Carnation Co.

Get your flowers cut fresh from greenhouse.

AMERICAN BEAUTY, BRIDE, MAID, RICHMOND and CARNATIONS.

All fancy varieties: also surplus stock of **Bride** and **Maid,** 4-inch pots. Fine plants.

MUSKOGEE, IND. TER.

Please mention the American Florist when writing

CHRYSANTHEMUMS
AND STOCK PLANTS.

	Per doz.		Per doz.
Rosiere, pink	$1.50	Omega	0 75
Emereter, "	1.00	C. Touset	1.00
Monrovia	.75	Bergman	.75
Merstham yellow	1.00	Willowbrook	.75

ELI CROSS, Grand Rapids, Mich.

LARGEST STOCK OF ALL

Belgian Plants.

AZALEAS, ARAUCARIAS, SWEET BAYS, PALMS, BEGONIAS, GLOXINIAS, ETC.

Louis Van Houtte Pere,
GHENT, BELGIUM.

Cineraria **Benary, Cannell and Sutton's** Prize Strains: dwarf or semi-dwarf, large flowers, all shades and colors, mixed. 2¼-in., $2.50 per 100. Cash please.
SHELLROAD GREENHOUSES, Grange, Baltimore, Md.

Gentlemen:

YOU CAN NOW GET THE FINEST
Lily of the Valley

Our **EXCELLENTA,** in original cases of five hundred pips, the best and strongest in the market, so that you can order a small quantity any time in the season whenever you need it.

We expect much demand for these small cases of **LILY OF THE VALLEY** and as we will have only 500 cases on hand with which to try this novelty, we advise you to send your order soon, stating the different dates on which you would want cases sent you. If you are not known to us please send cash with order and deduct 3%.

If you are not entirely satisfied you can return the Valley at our expense.

Price per original case of 500 finest Lily of the Valley, **EXCELLENTA, $7.00.**

Yours very truly,

JOHN SCHEEPERS & CO.
2, 4 and 6 Old Slip, NEW YORK.

Please mention the American Florist when writing

STOKES STANDARD SEEDS
ARE · MONEY · MAKERS
· Write · me · your · wants ·
STOKES SEED STORE
219 Market Street
Philadelphia

Please mention the American Florist when writing

THE FINEST VALLEY FOR EARLY FORCING NOW READY.

$14.00 per 1000; $1.50 per 100.

Selected Pips for forcing at all seasons

THIS stock has been picked out with the greatest care. We feel satisfied that they will fo ce out at Christmas or earlier and do splendidly. No better pips can be had. (All cold storage stock sold out.)

FANCY CUT VALLEY FOR THANKSGIVING.

H. N. BRUNS,
1409 W. Madison St., - - CHICAGO.

The Nursery Trade

American Association of Nurserymen.
Orlando Harrison, Berlin, Md., President; J. W Hill, Des Moines, Ia., Vice-President; George C. Seager, Rochester N. Y., Sec'y.
Thirty-second annual convention, Detroit, Mich., June, 1907.

AN excellent article on How to Grow Young Trees for Forest Planting by E. A. Sterling, has been reprinted by the Department of Agriculture in pamphlet form.

PRUNING a shrub or tree is often necessary, and as long as the natural habit of the tree is considered and the pruning confined to keeping it symmetrical, it is all right, but to trim them closely in cones, pyramids and other shapes is unnatural and ugly.

AUSTIN, TEX.—The Rio Grande Nursery Co., of Brownsville, was incorporated November 1, with a capital of $10,000. The incorporators are Norman G. Kittrell, Houston, H. G. Stillwell, J. G. Fernandez and Pance R. Langworth, Brownsville, and Arthur A. Parkhurst of Colorado Springs, Col.

WHERE strong and medium growing shrubs are planted next to each other, the one frequently overgrows the other, and if this is allowed to go on uninterrupted it ends in the weaker being killed out. As far as possible cut away the strong growing kinds without destroying their natural shape. Never cut out a whole lot at once or it may let in cold winds that cripple the weaker growing sorts and thus defeat the object in view.

DURING cold weather it is necessary to protect trees and shrubs from rabbits. The most effective method is to use fowl netting and turn this out a few inches at right angles at the bottom, burying this a couple of inches under the surface. Mr. rabbit commences to scratch close up to the wire with the idea of getting under it but the underground wire as well proves too tough a proposition for him and he seeks something easier. Practically nothing is safe from rabbits; they rarely tackle rhododendrons if anything else can be had, but they have very catholic tastes.

VERY bright effects in the shrubbery may be created by grouping yellow and purple leaved species, with no other color except green as a back ground. The purple leaved filbert and the yellow variegated Cornus Sibirica Spaethei occurs to mind and there are many other combinations in the two colors that would be effective. It may be noted in passing that the filbert named produces a nut of excellent quality and for this reason should not be planted where trespassers of the small boy order are likely to destroy the trees. Both these plants are strictly hardy, but sheltered positions are best for them, as the pretty color effects in spring are spoiled if the foliage is cut by cold winds.

CHOICE NORTHERN GROWN
2-year in field, fine for forcing.
CRIMSON RAMBLERS,
$10.00 per 100.
HYDRANGEA PAN. GRAND., $8.00 per 100.
C. M. NIUFFER, Springfield, Mo.

Jacs Smits, Ltd. NAARDEN, (Holland.
GROWERS OF
Rhododendrons, Axaleas, pot grown Shrubs for forcing, Lily of the Valley, Spiræa, Paeonias, Roses, Climbing Plants, good varieties of Conifers and all ornamental stock.
Personal Inspection Cordially Invited.
R. R. Depot, NAARDEN-BUSSUM, near Amsterdam.
Price list free on demand.

LARGE TREES.
OAKS and MAPLES.
PINES and HEMLOCKS.
ANDORRA NURSERIES,
Wm. Warner Harper, Prop.
Chestnut Hill, PHILA, PA

TREES AND SHRUBS.
We make especially low prices on **Nursery Stock** to Parks, Cemeteries, etc. Wholesale price-list on application. We carry immense quantities of the finest named varieties of
PEONIES.
PETERSON NURSERY 503 W. Peterson Ave. CHICAGO, ILL.

Send to **THE MOON Company**
For Your { **Trees, Shrubs, Vines and Small Fruits.**
Descriptive Illustrated Catalogue Free
THE WM. H. MOON CO.,
Morrisville, Pa.

—NOW IS THE TIME TO PLANT—
Herbaceous Perennials
We have a very large stock of **Phlox, Iris, Pinks, etc.**
Send for Price List.
VICK & HILL CO., P. O. box 613, ROCHESTER, N. Y.

LILAC BUSHES.
Large blooming white, fine for cutting, plants from 4 to 6 feet high, about 150 of them. This lot will sell cheap on account of removal. Also a few hundred Peonia Roots, large clumps. Write for prices.
RUDOLPH FISCHER, GREAT NECK, L. I., N. Y.

NURSERY STOCK
All kinds of Hardy Nursery Stock. Ask for prices.
KLEHM'S NURSERIES,
ARLINGTON HEIGHTS, ILL.

Specimen Nursery Stock.
Deciduous Trees and **Shrubs, Evergreens, Rhododendrons, Azaleas.**
Over one hundred (100) acres of the choicest varieties. Send for price list.
COTTAGE GARDENS COMPANY,
Queens, Long Island, New York.

LEEDLE grown **ROSES** are now **BIG**

Floral Company, Springfield, O.	H.P.'s H.T.'s, T.'s, R.'s, Cl's, B., etc.	values for the buyer
Expert Growers	101 best sorts on own roots, from 2½ in. and 4 in. pots.	Send your want list.
Send for price list.		

ROSES.
Heavy Native Grown Stock.

	Per doz.	100
Baby Rambler	$2.50	$20.00
Hermosa	1.65	12.50
Clothilde Soupert	1.65	12.50

Imported Roses
Extra Heavy Hybrid Perpetuals.

	Per 10	100
All leading varieties	$1.50	$12.50
Baby Rambler	2.00	17.50
Crimson Rambler	1.75	15.00

Hollyhocks.
A nice lot in separate colors...$7.50 per 100
PERENNIAL GARDENS CO., Toledo, O.

SEASONABLE STOCK FOR FLORISTS.
HYDRANGEAS FOR FORCING Otaksa and Thos. Hogg
With 7-12 flowering crowns.....$12.00 per 100
With 5-6 flowering crowns..... 9.00 per 100
With 4 flowering crowns..... 7.00 per 100
From 6-inch pots and open beds; all out-door grown.

ROSES—Strong, 2-years, field-grown, selected for forcing.
Hybrid Perpetuals.....$10.00 and $12.00 per 100
Crimson Rambler..... 9.00 per 100
Dorothy Perkins..... 7.00 per 100
And **LADY GAY,** a **new** hardy climbing rose of **exceptional merit;** ready **now,** from 2½-inch pots only. Write for prices.
JACKSON & PERKINS CO, Nurserymen and Florists, Wholesale Only, **Newark,** Wayne County, **New York.**
Please mention the American Florist when writing.

Climbing Clothilde Soupert, Marie Pavic, Crimson Rambler and Dorothy Perkins **ROSES**
Grafted Oranges and Kin Kans, Palms, Biota Aurea Nana, Conifers and other stock for Florists and Nurserymen,
IN IMMENSE QUANTITIES.
400 acres in Nurseries. 60,000 feet of glass. Catalog on application.
P. J. BERCKMANS CO. (Inc.) Fruitland Nurseries
Established 1856. **AUGUSTA, GA.**

AZALEAS. FOR FORCING CHRISTMAS TO EASTER

Our stock this season is handsomer than ever. Anybody in want of a quantity will do well to inspect our plants before placing their order. We have only popular American varieties: Schryveriana, Niobe, Paul Weber, Prof. Wolters, Raphael, Simon Mardner, Vervaeneana, Louis de Kerchove, Mme. Van der Cruyssen, Deutsche Perle, Dr. Moore, John Llewellyn, Mme. Cam Van Langenhove, Mme. Jos. Vervaene, Paul de Schryver, Memoire de l' Van Houtte, Sigismund Rucker.

	Per doz.	100		Per doz.	100
8-10 in. diam.	$3.50	$25.00	15-16 in. diam.	$9.00	$75.00
10-12 in. diam.	4.50	35.00	16-18 in. diam.	12.00	90.00
12-15 in. diam.	6.00	45.00	18-20 in. diam.	25.00	200.00
14-15 in. diam.	7.50	60.00	20-24 in. diam.	36.00	300.00

Order now and save heavy express charges; impossible to ship by freight in cold weather.

KENTIAS.

We have an immense stock of **Belmoreana** and **Forsteriana**, in all sizes, from 15 inches to 15 feet. Our $1.00, $2.00, $3.00, $4.00 and $5.00 sizes, in single and made-up plants, are particularly handsome. We want the reader to see the stock we offer. Order by mail, or call and select the plants you like the most.

Araucaria Excelsa, fine plants, at 50c, 75c, $1.00, $1.50, $2.00 $2.50 and $3.00 each.

These are all perfect and good value for the money.

Aspidistra, Green and Variegated. In all sizes, $1.00, $2.00 and $5.00 each.

BOXWOOD, Pyramidal.

These plants are conceded to be the finest ever imported to this country. (Exceptional value.)

2 ft.	$0.75 each	3½ ft.	$2.00 each	5 ft.	$5.00 each
2½ ft.	1.00 each	4 ft.	3.00 each	6 ft.	6.00 each
3 ft.	1.50 each	4½ ft.	4.00 each		

BUSH BOXWOOD, for window boxes, 25c, 35c and 50c.

BAY TREES. We have a large number in all sizes. Ask for prices.

We are pleased at all times to receive visitors at our nurseries. We have 100 acres planted with the most interesting nursery stock in the country. **SEE WHOLESALE CATALOGUE.**

BOBBINK & ATKINS, NURSERYMEN AND FLORISTS, **Rutherford, N. J.**

PEONIES.

From our large and select stock, such as the following varieties:

Prince Charles,	Philomile,
Mons. Boquil,	Lord Salisbury,
Leonie,	Festiva,
Duchess of Sutherland,	Hypatia,
Rosea maxima,	Mons. Rousselon,
Mme. Furtado,	Mme. Moreau,

and many other good varieties all true to name.
Strong 1 year old.....$1.50 per doz.; $10.00 per 100
" 2 " ..... 2.00 " 15.00 per 100

Iris Germanica, Mme. Chereau, Gracchus, Florentine, Socrates, Duchess de Nemours, Dr. Bernice and 20 other good sorts, $2.50 per 100; $22.50 per 1000.

Hemerocallis (Day Lilies), in 10 varieties, to clear, $3.75 per 100; $30.00 per 1000.

The Undermentioned are Strongly Recommended for Cut Work.

Delphinium Belladonna, distinct, continuous bloomer, lovely sky-blue, 1 year old plants, $6.25 per 100; $57.50 per 1000. 3 year old clumps, $8.75 per 100; $75.00 per 1000.

Chrysanthemum maximum King Edward, the finest and largest hardy White Marguerite, four F. C. C.'s and A. M., R. H. S., strong from ground, $8.75 per 100.

Lathyrus latifolius White Pearl, true from cuttings, flowers double the size of the old white variety, A. M., R. H. S., strong from ground, $16.25 per 100. Seedlings, not guaranteed, $12.50 per 100.

Buyers of **Begonias, Dahlias** and **Cannas** should see our catalogue and write for prices. Special terms for quantities.

THOMAS S. WARE, Ltd., FELTHAM, ENGLAND.
Formerly of Tottenham.

Please mention the American Florist when writing.

PEONIES.

Queen Victoria (Whitleyii), per 100....$ 9.00
Festiva Maxima, per 100..... 30.00
Fragrans, "Late Rose".....per 100. 6.00
Large stock of M. L. Rhubarb and Lucretia Dewberry Plants.

For 1000 rates and other varieties, write

GILBERT H. WILD, Sarcoxie, Mo.

Please mention the American Florist when writing

AZALEAS, PALMS, Etc.

Have a fine lot of Azaleas in the following varieties:

Apollo, red: **Hexe,** (Firefly) red: **Simon Mardner,** pink: **Vervaeneana,** variegated: **Empress of India,** variegated: **Hermonie,** pink: **Helen Thielman,** pink: **Mme. Van der Cruyssen,** crimson: **Niobe,** white: **Prof. Walter,** variegated.

10 to 12 inches	$35.00 per 100.
12 to 14 inches	45.00 per 100.
14 to 16 inches	55.00 per 100.
16 to 18 inches	90.00 per 100.
18 to 20 inches	150.00 per 100.

LATANIA BORBONICA, strong, 4-inch.....$15.00 per 100.
KENTIA BELMOREANA, 5-inch, strong, bushy..... 60.00 per 100.
NEPHROLEPIS ELEGANTISSIMA, 2½-inch..... 5.00 per 100.

THE STORRS & HARRISON CO.
PAINESVILLE, - OHIO.

Please mention the American Florist when writing.

HIBISCUS SYRIACUS MEEHANII

WE now offer to the trade our new hardy variegated leaf Hibiscus Syriacus Meehanii. This plant attracted much attention when exhibited at the American Nurserymen's Convention at West Baden, Ind., and American Florists' Exhibition at Asheville, N. C. Foliage beautifully variegated; never sun-scalds or reverts to the green; flowers single, very large, satiny lavender; blooms during four months; prices on application. Orders booked now.

P. J. BERCKMANS CO., Inc., Fruitland Nurseries, AUGUSTA, GA.

Please mention the American Florist when writing.

Kansas City.

TRADE GOOD.

Another very satisfactory week has just closed. The first part of the week saw a slight scarcity in general stock which was relieved somewhat towards the latter part. The weather is all one could desire; it is bringing stock out in fine shape, and with these conditions the prospects for Christmas cutting are good. In reviewing the October business, it is safe to assert that trade throughout the month exceeded by far that of previous seasons. Social affairs were numerous and of exceedingly good proportions. Funeral work was plentiful, and shippers report a greatly increased business. An occasional shortage in some lines was noticed, but generally the supply was well up to the demand. At present chrysanthemums are a great factor, and the supply at no time since the season opened has equaled the demand. Most growers complain of having to cut blooms too green and before they are fully developed. As the season advances, however with the later varieties some relief is expected. The carnation is still a scarce item, but shows much improvement each week. The prevailing price is from $1.50 to $3.50. Roses are in better supply and of good quality. Select stock in Bride, Bridesmaid, Golden Gate and Chatenay command from $6 to $8 per 100. Beauties have shown much improvement, some nice stock being cut by local growers. They sell as high as $4. Violets are good and the demand is brisk. Smilax and other greens are more plentiful.

NOTES.

Geo. M. Kellogg visited the Chicago show last week, and says it was the best exhibition he ever attended; we are willing to consider him pretty good authority on the grounds that he rarely misses any thing of interest to the trade.

The William L. Rock Floral Co. reports a splendid business. One funeral design made by them last week was a wreath containing over 100 orchids and a large quantity of lily of the valley.

Ed. Humfeld joins in a report of splendid business. Several large funerals have occurred in his vicinity during the last few days.

Ed. Ellsworth reports much improvement in roses and carnations. At present his firm is cutting a choice lot of Richmonds.

R. S. Brown's Sons are sending a nice quantity of chrysanthemums and Mr. Bridgeland finds little difficulty in disposing of them.

Chas. E. Heite attended the Chicago show last week. He staged a fine white seedling over which he is very enthusiastic.

Lewis Westervelt returned from a successful fishing trip to northern Arkansas.

Arthur Newell was busy last week with funeral work.

W. H. Abrahamson, of Hunt's, Chicago, was a caller. K. C.

Kansas City, Mo. — R. M. Snyder, who has put several millions of dollars into his private park and conservatories, was killed recently in an automobile accident. The machine hit a telegraph pole and Mr. Snyder was thrown out, fracturing his skull.

Montreal.

MARKET ACTIVE.

The chrysanthemum season is in full swing now. The St. Catherine street stores are stocked with cut blooms and pot plants of the queen of autumn flowers to their capacity. All find a ready sale. There are fully 33 per cent more chrysanthemums sold in this vicinity than last year. Ivory as a midseason white seems to be the favorite; its purity combined with perfect form and good keeping qualities make it hard to surpass. R. Halliday is leading in yellow for commercial purposes, and in pink J. K. Shaw, Dr. Enguehard, and Viviand Morel are to be seen. More pink is in evidence than in former years. For bronze and red there is a limited demand. Roses are not very plentiful at present as it is not desirable to have too many at the beginning of the chrysanthemum season. Another cause is the severe disbudding they received recently in order to assure a good crop for Christmas. Carnations are selling very well. The quality is first class and the supply fully up to the demand, some extra fine Enchantress blooms are to be seen. Shipments from the west are comparatively small, the increased local production makes itself decidedly felt on the market.

At the last meeting of the Montreal Gardeners' and Florists' Club great enthusiasm was displayed in favor of a chrysanthemum show in 1907. A committee was appointed to make an early report of ways and means of holding the same. Several growers expressed their desire to exhibit regardless of the prize money being guaranteed. Chas. J. Eddy read the continuation of his paper from last month, "Across the Continent to the Pacific Coast." The essayist chiefly dwelt on the beauties of the Rocky Mountain scenes and the vegetation of British Columbia. Funds were voted for a trophy which will be donated to the American Carnation Society at its meeting in Toronto in January next, to be used as a prize for aggregates in some section if acceptable.

The white fly is responsible for the destruction of a house of mixed plants. After all known remedies had failed to check the pest burning sulphur was applied with the above result.

Bulb planting is about finished. The outdoor planting, especially tulips, has been extra heavy, but bulbs intended for indoor forcing went rather slower than in former years.

The wholesale commission house recently opened here is of great advantage to the florists and rumors are about of another one opening.

J. D. Sinclair of Toronto was a visitor here last week. LUCK.

NEW LONDON, CONN.—John W. Maloney, the gardener on the Guthrie estate, has a fine collection of chrysanthemums growing and has been instructed to spare no pains in pursuing his work. The area already under cultivation is to be greatly extended and it is understood that a handsome Gothic cottage is to be erected on the grounds next spring for occupation by Mr. Maloney and family. John W. was last fall a very generous contributor to the success of the chrysanthemum show held in Lyric hall.

Buffalo.

BUSINESS GREATLY IMPROVED.

Good favorable weather the past week has greatly improved the quality of stock and also increased the business. Chrysanthemums are now coming in good numbers and of fine quality. Roses are good in quality. Some very fine Liberty are on sale, also fine Bride and Bridesmaid. Carnations are now of very good and in fair supply. The first Paper White narcissus blooms were offered the other day. Violets are good but not very plentiful. Society was not rushing last week, especially the fore part, owing to election. The latter part of the week showed improvement.

NOTES.

S. A. Anderson is cutting fine white and yellow Eaton and Maude Dean at his Elmwood avenue greenhouses. The new sales room is now open and well supplied with stock. It is under the management of Miss A. L. Faul, formerly with J. H. Rebstock, at his Elmwood avenue store.

Prof. Cowell is in Chicago for the chrysanthemum show. South park is havings its annual fall show and the crowds are very large the exhibit far exceeding last year's in varieties and numbers shown.

This week will be a busy one for several of the trade. C. H. Keitsch, of H. Keitsch Sons Co., has been improving the Main street store by installing a new lighting system, a mantel and new ice box.

Towns & How, successors to C. Pult, Tonawanda, N. Y., have a fine lot of roses coming out and are well satisfied with their trade so far this season.

S. A. Anderson had three fine dinners on Friday and Saturday, American Beauty roses and chrysanthemums being the flowers used.

Recent visitors: M. Zirkman, of M. Rice & Co., Philadelphia; Walter Mott, with Bobbink & Atkins, Rutherford, N. J.; Joseph Neubeck, Angola.

BISON.

Albany, N. Y.

The annual chrysanthemum show held in the lake house, Washington park, is now on. John J. Walsh, head gardener

THE
CHRYSANTHEMUM
MANUAL.
By Elmer D. Smith.
NEW AND REVISED EDITION.
PRICE 40 CENTS.
Cash with order.
American Florist Co.,
324 Dearborn St., CHICAGO.

THE SEASON TO SELL POT PLANTS

IS JUST OPENING.

All we want is a sample order to show you the fine quality of **OUR STOCK.**

Our Leading Specialty this season is **FICUS PANDURATA.**

Very much admired for its bold, handsome appearance, and already famous in Philadelphia and New York as a satisfactory, because durable, house plant.

6-inch pots, 2½ to 3 feet high.....$3.00 each
3½ to4 feet high..... 4.00 each
4½ to 5 feet high, in tubs ..... $7.50 each
Branched plants...$4.00, $5.00 and 7.50 each

CROTONS.

Well grown and well colored.

4-inch pots.....$3.00 per doz.; $25.00 per 100
5-inch pots..... 6.00 per doz ; 50.00 per 100
6-inch pots.....75c and $1.00 each

Made-up Pans, Fine Stock.

Plants at $1.50, $2.00, $3.00, $5.00, $6.00 and $7.50 each. We have never before offered made-up Crotons in as good condition.

PANDANUS VEITCHII.

Well colored.

4-inch pots, ready for shift ..... $ .50 each
5-inch pots, ready for shift ..... .75 each
6-inch pots, ready for shift ..... 1.00 each

GARDENIA VEITCHII.

5 and 6 inch pots.....50c, 75c and $1.00 each

We have 5,000 plants and call special attention to them. They are well set with buds and should be in just when the prices are good, in December and January. Send for a sample dozen.

ADIANTUM HYBRIDUM.

The finest Adiantum for cutting or for pots.

Specimen plants, 8-inch pans, 2 feet spread....$1.25 each
Specimen plants, 7-inch pans..... .50 each

NEPHROLEPIS SCOTTII.

Well grown, shapely plants.

5-inch pots..... .....$4.50 per doz.; $35.00 per 100
6-inch pots..... 6.00 per doz.; 50.00 per 100
7-inch pots..... 9.00 per doz.; 75.00 per 100
8-inch pans.....$1.00 each

NEPHROLEPIS ELEGANTISSIMA.

This is a beautiful variety, and we can give you the best plants in the country for the money.

8-inch pans, very fine... .....$1.25 each
6-inch pots, very fine... ..... .75 each
5-inch pots, very fine... ..... .50 each
2½-inch pots, ready for shift...$8 per 100; $75 per 1000

NEPHROLEPIS WHITMANI.

By many thought to be the most beautiful of this class.

6-inch pots, well grown.....$1.00 each. $10.00 per doz.
8-inch pots, well grown..... 1.25 each; 14 00 per doz.

NEPHROLEPIS BARROWSII.

An improvement on Piersoni.

5-inch pots..... 35c each 6-inch pots.....75c each
3-inch pots.....$1.25 each.

NEPHROLEPIS BOSTONIENSIS.

Still indispensable, especially in large plants.

8-inch pots.....$12.00 per doz.

BABY CHRYSANTHEMUM.

7-inch azalea pots, bushy and fine, just the thing for Thanksgiving .....50c each

PANDANUS PACIFICA.

6 inch pots, well grown plants.....$1.50 each
7-inch pots, well grown plants ..... 2.00 each

ARAUCARIA EXCELSA.

6-inch pots.....$9 00 per doz.

ARAUCARIA COMPACTA.

7-inch and 8 inch pots, 3 to 4 tiers .....$2.00 each

These Compactas are extra fine.

DRACAENA SANDERIANA

2½-inch pots, fine for fern pan centers.....$12.00 per 100

MARANTA ROSEA.

3-inch pots, also fine for fern pans.....$25.00 per 100

ASPARAGUS PLUMOSUS.

2½ inch pots, bushy.....$4 00 per 100; $30.00 per 1000
3-inch pots, bushy..... 7.00 per 100; 60 00 per 1000

CIBOTIUM SCHIEDEI.

Handsome specimens, large tubs.....$25.00 per pair

OTAHEITE ORANGES.

Just right for Xmas. Place your orders at once.

Plants with from 5 to 20 fruit.....25c a fruit

ROBERT CRAIG COMPANY, Market and 49th Streets, **Philadelphia**

at the park greenhouses, has gathered together about 600 plants, comprising 400 varieties, for the edification of the public. About 75 of the varieties are new. The local papers have devoted some space to a mention of the exhibition, together with short descriptions of the more notable varieties. The exhibition will continue as long as the plants are in bloom.

The John G. Myers Co. opened its new department store on North Pearl street on Monday. The event was one of note in the local business world. The company awarded the contracts for floral decorations to Eyres, King, Whittle Bros. and Danker. Eyres had the decorations for the first floor, King for the second and Whittle Bros and Danker for the third and fourth respectively. The award for each floor was made by the Myers Co., by lot.

Fred and John Henkes of the firm of Henkes Bros., growers at Newtonville, are spending a few weeks deer hunting in the Adirondacks. Their friends in Albany expect to enjoy a venison supper on their return.

R. D.

YOUNGSTOWN, O.—Miss Lottie Lockhart has removed from No. 11 to 27 Phelps street, the change being rendered necessary by the increased business.

BRIDGEPORT, CONN. — Hans Beck, a florist, being jilted by his sweetheart, ended his life by drinking carbolic acid on the steps of her home, where the body was found on the morning of October 28, by the girl's mother.

KINGSVILLE, OHIO.—Seven thousand roses and a large number of other kinds of flowers is a pretty big proposition for a budding young florist of 14 years. This is the number grown by young Harry H. Pitts who is daily shipping and has plenty of beautiful blossoms. Good boy Harry; keep right on at it.

BLOOMINGTON, ILL.—Fred H. Rowe, manager of the new store of the Phœnix Nursery Co., at 314 North Main street, states that business so far has been quite satisfactory. A good stock of seasonable flowers is always on hand, together with seeds, bulbs, plants and florists' supplies. The concern's new range of nine houses has been completed and is now in good running order.

St. Paul.

TRADE GOOD.

Business is very good and funeral work has been very heavy and with the debutante and wedding season on, it keeps everybody working overtime. Chrysanthemums are about at their best here now, the unfavorable weather having held them back some. The very new varieties have not shown up very well here, Eaton, Enguehard, Pennsylvania, etc., surpassing everything. Roses are doing the best possible under very unfavorable weather conditions. Very few good ones are seen. Carnations are worse off, as they go to sleep soon after being picked. Roman hyacinths and Paper White narcissus are in the market. Good violets are being picked locally, but not in any great quantity.

NOTES.

Holm & Olson have been handicapped somewhat in their new place on account of not being able to get their fixtures ready. They have several good orders booked for the near future.

Miss Gertrude Distel has the sympathy of the trade in the loss of her brother who died November 11.

Chas. Keiper had a fine lot of early chrysanthemums, Clementine Touset being one of the best.

The Swanson Floral Co. has had a fine display of chrysanthemums in its windows.

Haugen & Swanson and N. C. Hansen are picking the most violets and the best.

Aug. S. Swanson has had a nice lot of rubrum lilies which have taken well.

O.

Lincoln, Neb.

Business has been very good all fall and at no time has there been a surplus. Even at this time with chrysanthemums in full blast it is hard to get enough roses and carnations to supply the demand. There is an unusually fine lot of chrysanthemums in this market this fall, every grower having a fine crop. They sell well, not a flower having been wasted thus far. As the late varieties always sell well here every flower will probably be used. Having made the rounds of the different growers and looking over the houses it occurs to one it would be hard to find better grown stock.

DON'T SAY THERE IS NO MONEY IN CHRYSANTHEMUMS

until you have tried **Clementine Touset.** the finest, largest, earliest white to date; every florist in the country should grow a batch, or a bench, or a houseful of this fine 'mum next year. I have the largest and best stock in the country and will sell you stock plants, fine large clumps full of runners at

15c each; **$1.50** per dozen;
$12.00 per 100.

Hurry up and order at once; even this stock will not last long when florists find out how valuable a variety this is. **Moneymaker,** the early white English variety, and **Jeanne Nonin,** the late white French variety, will go at the same price as long as stock lasts. Now is the time and chance to make money.

Other varieties at 10c each; $1.00 per doz.; $6.00 per 100; such as Monrovia, white and pink Pacific, white and yellow Bonnaffon, white and yellow Eaton, Mrs. Weeks, Viviand-Morel, J. K. Shaw, Alice Byron, Dr. Galloway, Ben Wells, Dr. Enguehard, Col Appleton, Yanoma, Chadwick, etc. Cash with order.

GUNNAR TEILMANN, Marion, Ind.

Prepare for Thanksgiving and the Holidays.

WATCH PROSPERITY LOOK

Election is over, the country is settled to its normal condition. **Great prosperity** is in sight for us all. Why not for you? A little **fortune lays before your door.** Grab it now where there is a **chance for you. Look** at others; see how successful they are. Why? Because they are **wideawake.** They watch every opportunity and take advantage when bargains are offered.

A big demand is in sight now and for the ensuing holidays for the so much admired **decorative plants,** the **Araucaria Excelsa, Araucaria Excelsa Glauca,** and the **Araucaria Compacta Robusta.** What do you think? Where will you buy them? Surely from a man who makes a specialty in **importing Araucarias,** and who can offer you **bargains.** Godfrey Aschmann is the man who has the reputation for the last ten years as the great **importer** and **dealer** in **Araucarias** of America.

PRICES SLAUGHTERED ONE-HALF THE NORMAL.

Prices **never** offered so low in the history of Araucaria cultivation. Why is that? For the simple reason, to obtain room to cultivate our great Easter stock. About 5,000 Araucarias, with an immense lot of Palms, Ferns, Azaleas, Rubbers, Begonia Gloire de Lorraine, etc., must be sold by Christmas.

☞ Please take notice. In all the Araucarias only spring importations are offered; raised in pots all summer, and can be shipped any distance safely without drooping.

ARAUCARIA EXCELSA

5½-in. pots, 15 to 18 in. high, 4 to 5 tiers, 3 years old, 60c; 5½ to 6-in. pots, 18 to 23 in. high, 5 to6 tiers, 4 years old, 75c; 6-in. pots, 23to 25 in. high, 5, 6 to 7 tiers, 4 years old, $1.00; 6 to 7 in. pots, 25 to 30 in. high, 5, 6 to 7 tiers, 4 years old, $1.25; 7-in. pots, specimen plants, from $1.50, $1.75 to $2.00 each.

ARAUCARIA COMPACTA ROBUSTA—have several thousand of them; can supply all wants. These plants were never so fine in shape and condition as this year. The pet of the greenhouse; as broad as long. 6-in. pots, 3 tiers, 12 to 14 and 16 to 18 in. high, same wide, 3 years old, $1.00 to $1.25 each; 6 to 7 in. pots, 4 to 5 tiers, 18 to 20 and 22 to 25 in. high, same wide, 4 years old, $1.50 to $1.75 each; 7-in. pots, specimen, 6 to 7 tiers, and 25 to 30 in. high, same wide, 5 years old, $2.00 to $2.50 each.

ARAUCARIA EXCELSA GLAUCA—this variety on account of its beautiful green-bluish tiers, dwarf habit, fine compact shape, gives it a striking appearance, and anybody seeing the plants must undoubtedly fall in love with them at sight. 6-in. pots, 3 tiers, 14 to 16 and 18 to 20 in. high, same wide, 3 years old, $1.00 to $1.25 each; 6 to 7 in. pots, 4 to 5 tiers, 20 to 25 and 25 to 30 in. high, same wide, 4 years old, $1.50 to $1.75 each; 7 in. pots, specimen, 5 tiers, 30 to 35 in. high, same wide, 5 years old, $2.00 to $2.50 each.

All these plants are as broad as long; the finest you have ever seen.

OUR LITTLE PETS.

KENTIA FORSTERIANA, 7-in. pots, made-up plants, 1 large size, about 45 to 48 in. high in the center, and 3 smaller sizes, 25 x 30 in. high around, which gives them a good appearance, $2.00 to $2.50 each; 6-in. pots, single plants, 36 to 45 in. high, 5 to 6 good leaves, 4 years old, $1.25, $1.50 to $1.75 each; 6-in. pots, 32 to 36 in. high, 5 to 6 good leaves, 4 years old, $1.00 each; 5½ to 6 in. pots, 4 years old, 30 in. high, 5 good leaves, 4 years old, 75c; 4-in. pots, made-up plants, 3 plants in a pot, 18, 20 to 25 in. high, 25c, 30c to 35c each.

ARECA LUTESCENS, 5-in. pots, 24 in. high, made-up with 3 plants, 35c; 4-in. pots, 20 to 24 in. high, made-up with 3 plants, 25c.

ARECA SAPIDA, just imported from Belgium, something new, very attractive, looks like Kentia, 25 in. high, 50c.

COCOS WEDDELLIANA, 15c.

ASPARAGUS PLUMOSUS NANUS, 4-in. pots, large, bushy, 10c to 12c.

FICUS ELASTICA, or **Rubber Plant,** 6 in. pots, 25 to 30 in. high, 40c to 50c each.

FERNS, all raised in pots and not on benches as follows:

NEPHROLEPIS BARROWSII, 7 in. pots, as big as a bushel basket, 75c to $1.00 each; 6-in. pots, large, ready for 7-in., 50c; 5½-in., 40c; 5-in., 35c; 4-in., 25c.

NEPHROLEPIS SCOTTII, 8-in., as big as a washtub, worth $2.00, now $1.25; 7-in., as big as a bushel basket, worth $1.25, now 75c; 6-in., 50c; 5½-in., 40c; 4-in., 20c.

NEPROLEPIS ELEGANTISSIMA, 5-in. pots, 30c.

BOSTON FERNS, 7-in., very bushy, only 75c; 6-in., 50c or $5.00 per doz.; 5-in., 30c to 35c; 4-in., 20c

FERNS—A fine assortment of Ferns for dishes, large, bushy, out of 2½-inch pots, $5.00 per 100; 3-inch, 6c each.

JERUSALEM CHERRIES, (or Solanum), 6 to 7 in. pots very bushy, full of berries, from $3.00 to to $6.00 per doz.

DRACAENA BRUANTI, (imported), 30 in. high, 6-in. pots, 50c, $5.00 per doz.

CYCLAMEN, will bloom for Christmas, 5-in. pots, 20c; 4-in., 12c.

CHINESE PRIMROSES, in 4-in. pots, ready to shift into 5-in. pots, will bloom for Christmas, $10.00 per 100; 5¼-in. pots, $2.00 per doz.

HYDRANGEA OTAKSA, only pot-grown is offered, sure success for Easter forcing, 6-in. pots, 25c; 7 to 8-in., 50c.

AZALEA INDICA, just arrived, selected by myself on my recent trip to Belgium. Have all leading varieties such as Deutsche Perle, Simon Mardner and Vervæneana. These three sorts are good for Christmas forcing. Later varieties: Empress of India, Oroff, Wolters, Niobe, Bernard, Andreas Alba, Mme. Van der Cruyssen and many others, prices as follows: 35c, 40c, 50c, 60c, 75c, $1.00, $1.25 to $1.50 each.

BEGONIA GLOIRE DE LORRAINE, 6-in pots, 50c 3-in., 20c.

BEGONIA FLAMBEAU, sells on sight, 4-in., ready for a shift into 6-in., 20c.

BEGONIA ERFORDII. New Improved, blooms all winter through, 4-in., 15c.

—CASH WITH ORDER.—

When ordering, say whether the plants should be shipped in the pots or not.

GODFREY ASCHMANN,

IMPORTER AND WHOLESALE GROWER OF POT PLANTS.

1012 Ontario Street, - - PHILADELPHIA, PA.

Palms, Ferns, Etc.

WHOLESALE PRICE LIST.

	In. Tiers.	Ea.	Doz.	100
Asparagus Plumosus	..2			$3.00
" "	..3			6.00
Asparagus Sprengeri	..2			3.00
" "	..3			6.00
" "	..4		1.50	
" "	..5		2.00	

Boston Ferns, 4-in. pots, $1.50 per doz.; 5-in. pots, $3.00 per doz.; 6-in. pots, $4.20 per doz.; 6-in. pots, strong, $6.00 per doz.; 7-in. pots, $9.00 per doz. Larger specimens, $1.50, $2.00 and $3.00 each.

Scottii Ferns, 10-in. pots, $2.00 each.

ASSORTED FERNS FOR DISHES

$3.00 per 100; $25.00 per 1000. We have a large lot to offer in best varieties.

Fern Balls, 7 to 9. Dormant or in leaf. $4.20 per doz.

Cibotium Schiedei, 5-in., $9.00 per doz.; 6-in., $12.00 per doz.; 8-in., $24.00 per doz.

Dracaena Fragrans, 5-inch pots, 50c each; $5.00 per doz. 6-in. pots, 75c each; $9.00 per doz

Dracaena Indivisa. 2-inch pots, $2.50 per 100; 6-inch pots, 20 to 26 inches high, 50c each; $5.00 per doz.; 7-inch pots, 30 to 34 inches high, 75c each; $9.00 per doz.

Dracaena Terminalis, 2-inch pots, $1.00 per doz.; 3-inch pots, $1.50 per doz.; 6-inch pots, $9.00 per doz.

Maranta Lietzii, 2¼-in., $1.00 per doz.

Pandanus Veitchii, 6-in.....per doz., $12.00
" **Utiles,** 3-in.....per doz., 1.50
" " 4-in.....per doz., 3.00
" " 5-in.....per doz., 5.00

Cocos, for dishes, 3-in.....per doz., 2.00

Cocos Bonetti, large specimens, $40.00 each.

	In.	Each	Doz.
Kentia Belmoreana	3		$ 2.00
" "	6	1.25	15.00
Kentia Forsteriana	6	1.25	15.00
" "	7	2.00	24.00
" "	7	2.50	
" "	7	3.00	

Latania Borbonica, 3-in. $1.50 per doz.; 3½-in., $2.00; 4-in., $3.00; 5-in., $5.00 and 7-in., $12.00 per doz.

Phoenix Canariensis, 2-in.....per doz., 1.00
" " fine bushy plants, 10-in. pots, $3.00 each. Large specimens.

Phoenix Reclinata, 3½-in.....per doz., $2.00
" " 4-in.....per doz., 3.00

Selaginella Denticulata, 3-in., per doz., $1.00.

HARDY PERENNIALS.

German Iris, assorted colors, $1.00 to $5.00 per 100 clumps.

Golden Glow (Rudbeckia), $1.00 to $5.00 per 100 clumps.

Boltonia, white and pink, $1.00 to $5.00 per 100 clumps.

The Geo. Wittbold Co.

1657 BUCKINGHAM PLACE. CHICAGO.

Please mention the American Florist when writing.

PRIMROSES.

Obconica Alba and Rosea, $1.50 per 100; $12.00 per 1000.

ASPARAGUS Per 100

Plumosus Nanus, 2¼-in. pots, $18.00 per 1000, $2.00

PANSY PLANTS, large flowering, $3.00 per 1000; .50

CASH

JOS. H. CUNNINGHAM, Delaware, O.

ASPARAGUS PLUMOSUS

Exceptionally fine stock from 3-in. pots, $5.00 per 100.

ASPARAGUS SPRENGERI, from 3½-in. pots, $6.00 per 100.

Write for price on large lots.

SCHARFF BROS., Van Wert, Ohio.

Please mention the American Florist when writing.

ROSE PLANTS.

Still a few hundred Roses, Bride, Maid, Golden Gate, Ivory, at $1.50 per 100. Cash.

GEO. A. KUHL, Pekin, Ill.

LUDVIG MOSBAEK, Onarga, Ill.

Asparagus **Plumosus Nanus** and **Sprengeri,** 4-inch, $8.00; 3-inch, $5.00; 2¼-inch, $2 50; 2-inch, $2.00 per 100.

Ferns **Boston, Piersoni, Anna Foster** and **Sword,** 2¼-inch and 3-inch, $3 00 and $6.00 per 100. 6-in., $4.00; 8-in., $12.00; 10-in., $25.00 per dozen.

150,000 Cannas, 35 standard, leading var., true to name. Descriptive list and prices mailed free. Send list for special quotations.

50,000 Hardy Perennial Herbaceous Plants, field and pot grown. Write for list.

500,000 VERBENAS

60 Finest Named Varieties.

Rooted Cuttings, 75c pea 100; $6.00 per 1000 Plants, $2.50 per 100; $20.00 per 1000.

Our list is the choice from millions of seedlings. Order early.

The floral and plant business of the late Mr. J. L. Dillon will be continued under his name by his executors.

LOUISE H. DILLON, ALICE D. FURMAN } Executors.

J. L. DILLON, Bloomsburg, Pa.

PETUNIA

Double—Seafoam, white; Intensity, crimson and white variety; Pink Beauty, best pink; extra fine, 2¼-in., $2.50 per 100.

Asparagus Sprengeri

Large field clumps for 4-in. and 5-in. pots, $6.00 per 100.

SMILAX—Strong field clumps, $3.00 per 100.

Ageratum, Stella Gurney, strong, 2¼-inch, $2.00 per 100.

NATHAN SMITH & SON, Adrian, Mich.

ROOM....

We are crowded for room and must dispose of a lot of

BOSTON FERNS AT A SACRIFICE.

We have a large stock of **Boston, Piersoni, Elegantissima** and **Scottii.** Write for special prices which are too low to appear here.

W. W. COLES, Kokomo, Ind.

Please mention the American Florist when writing.

ROOTED CUTTINGS.

Geraniums and Carnations

Send a list of what you want and how many of each variety, and I will be pleased to quote figures on your complete order.

ALBERT M. HERR, Lancaster, Pa.

Chrysanthemum Stock Plants.

500 C. Touset, fine early white.....$7.00 per 100
500 Roi de Italia, fine early yellow.... 5.00 per 100

Will exchange for Boston Market, Wolcott or Lawson carnations, field-grown, at market prices. Send for list of new and choice varieties, 10c to 25c each.

W. A. CHALFANT, Springfield, Mo.

$2.00 per 1,000

GIANT PANSIES, best mixed; **DOUBLE DAISIES,** Longfellow and Snowball. This bargain price is on account of stock being a little smaller than we like to send out at regular price.

Alyssum, Giant Double, R. C., 75c per 100. **Heliotrope,** Blue, R. C., 75c per 100. Cash.

SPIPPENSBURG FLORAL CO., Shippensburg, Pa.

AMERICAN FLORIST ADS	Always do business Week days and every day Sundays and holidays All over the country At home and abroad

SUPERB

BOXWOODS.

Just Arrived. Perfectly Shaped.

Bushes for Window Boxes, from top of root ball, 12 to 20 inches high.....$0.75 a pair
24 inches high..... 1.00 a pair
Pyramids, 3 ft. high.....$2.00 and $3.00 a pair
" 4 ft. high..... 3.00 and 4.00 a pair
" 4 ft. 6 in. high..... 5.00 a pair
" 5 ft. high..... 7.00 a pair
Grafted Baby Ramblers on Manetti: nice bushy plants in 3½ and 4-in. pots, ready for early forcing, $15.00 per 100.

ANTON SCHULTHEIS,

19th St. and 4th Ave., **College Point, L. I., N. Y.**

WE ARE BOOKING ORDERS FOR

Nephrolepis Amerpohli

The Sensational New Fern.
Awarded Highest Certificate of Merit at the S. A. F. Convention, 1906.

JANESVILLE FLORAL CO, Janesville, Wis.

FERNS, IN FINE SHAPE

PIERSONI....6-in., 35c; 5-in. 25c; 4-in., 15c.
BOSTON.....5-in., 25c; 4-in., 15c.
SCOTTII.....5-in., 30c; 4-in., 20c.
ANNA FOSTER.....2½-in., 4c

All No. 1 stock. CASH PLEASE.

BENJ. CONNELL, Florist, West Grove, Pa

Please mention the American Florist when writing.

Cold Weather Bargains

SEND YOUR CASH FOR FOLLOWING:

	2½-in.	3-in.	4-in.
Chinese Primroses	$5.00	$8.00	$12.50
Primula Obconica	5.00	8.00	
Baby Primroses		8.00	
Cyclamen, high grade		8 00	20 00
Poinsettias		8.00	12.50
Special large plants, 6-in., 50c each			
Rex Begonias		8.00	15.00
Blooming Begonias		7.50	

If you need any size of **Ferns,** Bostons Piersoni, Barrowsii, Scottii, Maidenhair, Whitmani, Elegantissima, write for our new November list. Our customers must be satisfied.

We also are ready to sell **'Mum Stock Plants. Cut Flowers** of all kinds.

GEO. A. KUHL, Pekin, Ill.

Please mention the American Florist when writing.

Highland Grown Carnation Plants

	Per 100	1000		Per 100	1000
Flora Hill	$4.50		Glacier	$3.50	$30 00
Crusader	5.00		White Cloud.	3.50	30.00
M. A. Patten	5.00		Harlowarden	3 50	30.00
Prosperity	4.00	$35.00	Roosevelt	3.50	30.00
M. Glory	4.00	35.00	Peru	3.50	30.00

CRABB & HUNTER, Ltd., Grand Rapids, Mich.

Please mention the American Florist when writing.

CHINESE SACRED LILY BULBS

Imported direct from China—the finest bulbs procurable. Every florist should have them for store sale. Prices: Selected bulbs, **60c** per dozen; original basket, containing 30 bulbs, **$1.25;** per 1000, **$30.00.** Order to-day.

THE DINGEE & CONARD CO., Rose Growers
WEST GROVE, PA.

Please mention the American Florist when writing.

Saves Many Times
ITS PRICE.

THE AMERICAN FLORIST COMPANY'S DIRECTORY saves many times its price to every one who catalogues or circularizes the trade. Fully revised to date of publication, it puts the mail only to live names, avoiding waste of postage and printed matter, time and labor.

Contains 476 pages, lists of Florists, Seedsmen and Nurserymen of the United States and Canada by states and towns, also alphabetically; firms that issue catalogues, foreign merchants, horticultural societies and much other up-to-date information which makes it a reference book of daily utility wherever a wholesale trade is done.

Published annually by the

$2.00

Postpaid to any address.

American Florist Co.

324 Dearborn Street, CHICAGO.

Birmingham, Ala.

Conditions in all branches of the trade here are fairly good. Everyone reports business the past summer as having been 25 to 50 per cent better than any preceding year. Wm. Lindsay reports present business good, with prospects of an increasing demand in all lines the coming winter. Mr. Lindsay has one of the best stores in arrangement and location in the city hall, fronting on Nineteenth street.

Alex. S. Sawyer, who has been in the store with Hugh Seales for more than a year, acquired the store and good will of the Smith Floral Co., at 2106 First avenue, October 1. Since Coming to Birmingham from Atlanta, where he was for years with the leading concerns in the business in that city, Mr. Sawyer has made many friends. He expresses himself as being delighted with the success attending his new venture, and with the future outlook. Colonel Smith has retired to his country villa at Rosedale.

Hugh Seales, who has been located with the Dostir-Northing Drug Co. the past two years, has found better quarters on Nineteenth street between Second and Third avenues. Mr. Seales has probably the best built and most convenient range for rose growing in the state. While his stock is fairly good, he has been handicapped by a scarcity of help the past summer, consequently, both his roses and carnations were benched some weeks late. He reports business and prospects satisfactory.

C. Zbinder, manager of John L. Parker's store and greenhouses, finds business 50 per cent better than two years ago. This firm has erected 16 houses during the past year at Helena station, on the south Ensley car line, and has leased for a term of years the building at the northwest corner of Third avenue and Nineteenth street. This is one of the finest locations in the business center of the city. The building is now being enlarged and remodeled completely inside.

A. J. Koenig, who came here last spring from Nashville, Tenn., where he was foreman for the Joy & Son Co. for two years, states that he is satisfied with his new location. He now owns and operates the Lindsay greenhouses, at Woodlawn. Mr. Koenig was for a number of years in business in Louisville, where he still has numerous friends.

Andrew Hague, the genial Dane of Tuscaloosa avenue, has the finest collection of ferns in the city. Mr. Hague claims that while the demand is fairly good in the plant line generally, he finds it hard to get the prices which our more fortunate brothers north of the Ohio receive.

C. A. H.

LOS ANGELES, CAL.—Wright's Flower Shop has just completed the building of another greenhouse, 27x205 feet, giving this firm about 40,000 square feet of glass in all. This is under the supervision of Frank Speakman, formerly of Poehlmann Bros. Co., of Chicago, and the stock is in exceptionally fine condition. The prospects for the coming season's business are very bright. T. H. Wright is at present in San Francisco visiting the various growers and arranging for the purchase of stock, etc.

GERANIUMS 2½in. Pots, Ready for Immediate Delivery

Alliance. Lemoine 1905. Hybrid, Ivy and Zonal, semi-double, lilac white, upper petals feathered and blotched crimson maroon, 25c each; $2.00 per doz.

Fleuve Blanc, the semi-double Bruant that promises to become the standard white, flowers and foliage equal to Alph. Riccard. $1.50 per doz.; $10.00 per 100.

Double Dryden, $1.00 per doz.; $5.00 per 100.

Cactus Geraniums, four varieties, petals curled and twisted similar to the Cactus Dahlia, $2.00 per doz.; $15.00 per 100.

S. A. Nutt, La Pilote, Beaute Poitevine, Mme. Barney, Centaur, Miss Kendall, Mme. Jaulin, Jean Viaud, Mme. Charotte, 40c per doz.; $2.00 per 100; $18.00 per 100.

Ville Poitiers, Marquise de Castellane, Berthe de Persilly, M. Jolly de Bammeville, Thos. Meehan, 50c per doz.; $3.00 per 100; $25.00 per 1000.

Send for Geranium Catalogue. Let us figure on your future supply.

	Per 100	1000
Alternanthera, red and yellow	$2.00	15.00
Hardy English Ivy	2.00	15.00
Smilax	2.00	15.00

A cordial invitation is extended to all interested in horticulture to visit us. Cowenton station, Philadelphia division, B. & O. R. R., 12 miles north of Baltimore.

R. VINCENT, JR. & SON, White Marsh, Md.

Please mention the American Florist when writing.

Directory of Gardeners

—AND—

Estates Employing Gardeners

—IN THE—

UNITED STATES and CANADA.

Price $5, Cash With Order.

AMERICAN FLORIST CO. 324 DEARBORN ST., ...CHICAGO.

BEST ENGRAVINGS and ILLUSTRATIONS

—Of Every Description—

FOR CATALOGUES.

SEE OUR WORK IN THIS PAPER. SEND FOR ESTIMATES.

GLOBE ENGRAVING and ELECTROTYPE CO.

407-427 Dearborn St., CHICAGO.

BERTHA RATH

CARNATION.

FERNS, PALMS,

ARAUCARIA EXCEL.,

ASPIDISTRA,

Green and Variegated.

BAY TREES and PRIVET,

Fine, Strong Stock.

R. DREYER, WOODSIDE, L. I., N. Y.

SPECIALTIES.

ROSES, from 3-inch pots. CHRYSANTHEMUMS.
CARNATIONS, for fall delivery. SMILAX. VIOLETS.
IN BEST VARIETIES.

Prices low. Send for list.

WOOD BROTHERS, Fishkill, N. Y.

GOV. HERRICK THE COMING VIOLET

One that produces three times as many flowers as any violet ever offered for sale. It will please you. Order at once. Prices: $2.00 per doz.; $10.00 per 100; $75.00 per 1000; 5,000 or more at $60.00 per 1000. Send for description today.

H. R. CARLTON, Willoughby, O.

INTRODUCER and ORIGINATOR.

MABELLE, New Pink Carnation for 1907.

Color—A peculiar shade of lovely pink, with a faint yellowish cast; several shades lighter than the Lawson. Unlike most pinks, the brightest sun does not injure the color. Size—3 to 4 inches in diameter when established. Odor—Pleasing, but not strong. Stems—Invariably strong, but always graceful, ranging from 12 to 30 inches during the season. Habit, etc.—A very quick, active grower, making specimen plants in a short time, even from late cuttings. On account of its rapid growth, requires supporting very soon after benching. Gets away rapidly, blooms early and gives long stems right from the start. Productiveness—Prodigious is the best word we know of to use here. It is the most incessant bloomer, early and late, we have ever grown. Stock limited. Delivery January 5 to 10 and later. Price, $12.00 per 100, $100.00 per 1000.

THE H. WEBER & SONS CO., Oakland, Md.

Please mention the American Florist when writing.

Now is the Time

to Subscribe to the

Horticultural Trade Journal

Published weekly. The Largest Brightest, and Best British Trade Publication. Also

THE INTERNATIONAL EDITION

Published quarterly. Annual subscription for weekly and quarterly numbers, One dollar, (International money order). Subscribe to-day and keep in touch with European markets and topics.

THE HORTICULTURAL PRINTING COMPANY

BURNLEY, ENGLAND.

The Whilldin Pottery Co.

STANDARD FLOWER POTS

Our output of Flower Pots is larger than any concern in the World
Our Stock is always Large and Complete

Main Office and Factory,

713 WHARTON STREET, PHILADELPHIA

Warehouses: JERSEY CITY, N. J. LONG ISLAND CITY, N. Y.

FLORIST WARE OF EVERY KIND

A. H. HEWS & CO., INC.

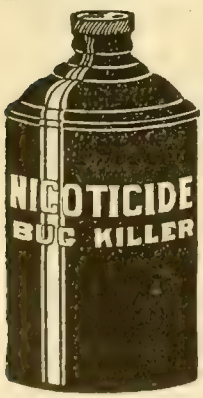
POT MAKERS FOR 140 YEARS

CAMBRIDGE, MASS.

CLIPPER LAWN MOWER CO. DIXON ILL.

The Mower that will kill all the Weeds in your Lawn. If you keep the weeds cut so they do not go to seed and cut your grass without breaking the small feeders of roots, the grass will become thick and the weeds will disappear.

The Clipper will do it. Ask your dealer for them. If they have not got them, below is the price: No. 1—12-inch Mower $5: No. 2—15-inch Mower, $6; No. 3—18-inch Mower, $7; No. 4—21-in. Mower, $8. Send draft, money-order or reg. letter.



THE BEST Bug Killer and Bloom Saver.

For PROOF Write to

P. R. PALETHORPE COMPANY,

LOUISVILLE, KY.

GEO. KELLER & SON,

MANUFACTURERS OF

FLOWER POTS.

Before buying write for prices.

361-363 Herndon Street, near Wrightwood Ave., CHICAGO, ILL.

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO

MANUFACTURERS

PHILADELPHIA, PA.

THE KELLER POTTERY COMPANY,

Manufacturers of FLORISTS' RED STANDARD POTS.

Azalea Pots, Bulb and Fern Pans, Etc.

Write for Price List. 213-15-17-19-21-23 Pearl St., NORRISTOWN, PA.

IONIA POTS.

STRONG POROUS DURABLE

In potting you will appreciate their smooth, well rounded edges. And this is but one of the many reasons why **IONIA POTS**, by superior merit alone have won a lasting place in the hearts of all our patrons. Remember us with your next order.

IONIA POTTERY COMPANY, Ionia, Mich.

Standard Flower Pots!

Packed in small crates, easy to handle.

	Price per crate		Price per crate
1500 2-in., in crate,	$4 88	120 7-in., in crate,	$4 20
1500 2¼ "	5.25	60 8 "	3.00
1500 2½ "	6.00	HAND MADE.	
1000 3 "	5.00	48 9-in., in crate,	$3.60
800 3½ "	5.80	48 10 "	4.80
500 4 "	4.50	24 11 "	3.60
320 5 "	4 51	24 12 "	4.80
144 6 "	3.16	12 14 "	4.80
		6 16 "	4.50

Seed pans, same price as pots. Send for price list Cylinders for Cut Flowers, Hanging Baskets, Lawn vases, etc. Ten per cent off for cash with order. Address

HILFINGER BROS. POTTERY, Fort Edward, N. Y or AUGUST ROLKER & SONS, New York Agents, 31 Barclay Street, New York City.

SYRACUSE RED POTS

HURRY THAT ORDER

Don't guess the sort of pot you need but decide on SYRACUSE RED POTS First in lightness, toughness and porosity—first in producing thrifty plants.

SYRACUSE POTTERY CO., Syracuse, N. Y.

CUT FLOWER BOXES

WATERPROOF Corner Lock Style.

The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always.

Size No.		Per 100	Per 1000
0.	3x 4x20	$2.00	$19.00
1.	3x 4½x16	1.90	17.50
2.	3x 6x18	2.00	19.00
3.	4x 8x18	2.50	23.00
4.	3x 5x24	2.75	26.00
5.	4x 8x22	3.00	28.50
6.	4x 8x28	3.75	36.00
7.	6x16x20	5.50	54.00
8.	3x 7x21	3.00	28.50
9.	5x10x35	6.50	62.00
10.	7x20x20	9.50	67.50
11.	3½x5x30	3.00	28.50

Sample free on application. No charge for printing on orders above 250 boxes. Terms cash.

THE LIVINGSTON SEED COMPANY, Box 104, COLUMBUS, OHIO.

Those Red Pots

"STANDARDS"

FULL SIZE AND WIDE BOTTOMS, BULB PANS AND AZALEA POTS.

DETROIT FLOWER POT M'F'Y.

HARRY BALSLEY, Rep. DETROIT, MICH. 490 Howard St.

Please mention the American Florist when writing.

STANDARD FLOWER POTS

No Charge for Crates or Packing.

Inches	per 1000	Inches	per 100
1½	$ 2.77	7	$ 4.00
2	3.33	8	6.00
2½	3.88	9	8.88
3	5.27	10	13.33
3½	6.10	12	22.22
4	7.77	14	38.88
4½	10.00	16	66.66
5	13 60	20	each, 1.25
6	22.20		

Azalea Pots and Bulb Pans same as **Standard Pots.** 2 and 2½-in Rose Pots. $3.50 per 1000. These pots are **carefully made,** very strong and porous. Liberal count is given, thereby protecting our patrons against possible breakage. **Above prices subject to 10 per cent. discount for cash.**

A. F. KOHR, 1521-23-25 N. Leavitt St, Chicago.

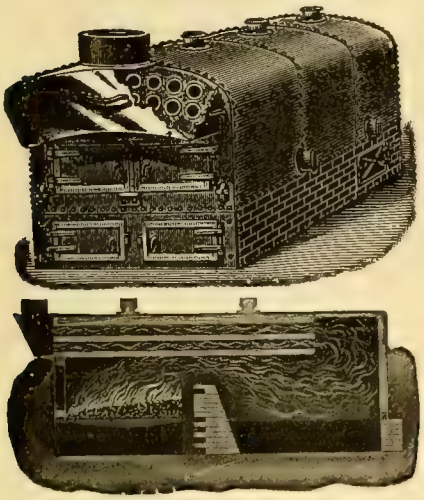
Red Standard Flower Pots

Price list and samples on application.

PADUCAH POTTERY CO., Inc.

PADUCAH, KENTUCKY.

KROESCHELL BROS. CO.
IMPROVED
Greenhouse Boiler
45 Erie Street, CHICAGO.

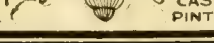


Boilers made of Steel Boiler Plate; shell, firebox sheets and heads of steel; water space all around front, sides and back. Write for information.

Please mention the American Florist when writing

NIKOTEEN APHIS PUNK
THE ORIGINAL AND GENUINE
NICOTINE FUMIGANT
STRONGEST AND MOST UNIFORM
PRICE 60 CTS. PER BOX OF 12 LONG SHEETS
$6.50 PER CASE OF 12 BOXES

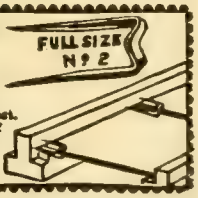
NIKOTEEN
LIQUID
FOR SPRAYING OR VAPORIZING
PRICE $1.50 PER PINT BOTTLE.
$13.00 PER CASE OF 10 PINT BOTTLES.



NICOTINE MFG. CO. ST. LOUIS MO.

Please mention the American Florist when writing

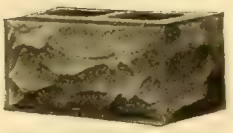
Holds Glass Firmly
See the Point
PEERLESS
Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
HENRY A. DREER, 714 Chestnut St., Phila., Pa.

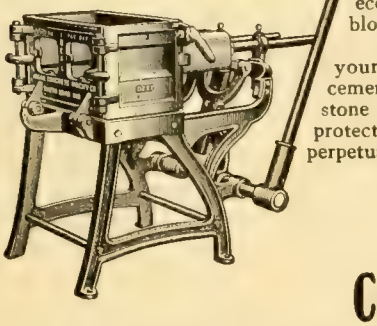


H. M. HOOKER CO.
Window Glass, Paints and Putty.
Greenhouse Glass a Specialty.
59 W. Randolph St., CHICAGO.

THE BLACK STUFF FINE TOBACCO
FOR DUSTING IS GROUND VERY FINE FROM THE HEAVY PURE LEAF
LET US TELL YOU ABOUT IT.
THE H-A-STOOTHOFF CO. 116 WEST ST. NEW-YORK

FROST-PROOF ECONOMY





Ideal Hollow Concrete Block construction will protect your greenhouse from frost and secure greatest economy in fuel. The illustration of hollow block explains it's resistance to frost.

With the Ideal Concrete Machine you can yourself make these blocks from sand, gravel and cement at little cost—far below the cost of brick, stone or lumber. Ideal Blocks not only give frost protection, but are absolutely fire-proof, and effect a perpetual saving in insurance.

IDEAL
Concrete Machines

May be operated by any man without previous experience. The process of making blocks is simple as making mortar. Blocks for every building purpose, with plain, tooled, ornamental face or natural stone effect made with the same machine. Simple, durable and adaptable to any size block within capacity.

Our catalogue will show you how to secure frost protection and fuel economy, as well as initial saving over cost of other materials. Write for it and it's freely yours.

IDEAL CONCRETE MACHINERY CO., Dept. 7, South Bend, Ind.

W. H. C. MUSSEN & CO., Montreal, Canada, Sole Agents for Canada.

THE LOW PRICE HEATING PLANTS

The Chicago House Wrecking Co. is in position to offer you an interesting proposition for furnishing you with a heating plant at a saving of at least 30%. Send us a sketch of your houses with preferred location of the boiler, the points of compass and the desired night temperature for zero weather, and we will gladly submit you an exact detail quotation of all material required to install the plant. We have ***heaters*** and ***boilers*** of every kind, both new and rebuilt. We have always on hand a large number of rebuilt boilers suitable for greenhouse heating. Our stock embraces ***fire box boilers, horizontal tubular boilers, Kroeschell boilers, cast iron sectional boilers, Erie City economizers*** and other types

We can save you considerable money on ***pipe, valves*** and ***fittings;*** also on ***doors, glass, sash*** and everything needed in the construction of your buildings.

Ask for our Special Catalogue No. 47.

CHICAGO HOUSE WRECKING CO.,
35th and Iron Streets, CHICAGO.

NICHOLAS WAPLER,
50 Barclay St., NEW YORK,
Manufacturer and Importer
TERRA COTTA
Grass Growing Heads and Animals
in different sizes and designs.
FISH GLOBES, FISH TANKS, AQUARIA,
FRENCH GLASS SHADES, round, oval and square, for covering statues, flowers, clocks and all kinds of ornaments.
Write for catalogue and prices.
IMPORTED CHINA. BOHEMIAN GLASSWARE.

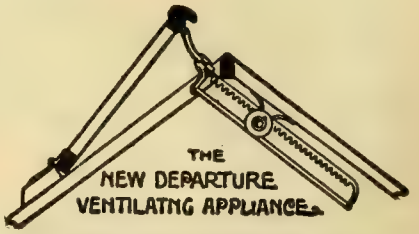
The James H. Rice Co.
IMPORTERS and JOBBERS
GREENHOUSE GLASS
A SPECIALTY.
Window Glass, Paint, Putty, etc.
Office and Warehouse: Corner of Michigan, St. Clair and Illinois Streets, CHICAGO.

GET NEW CUSTOMERS By placing your specialties before the purchasing florists of the entire country by advertising in

Send Copy Now. THE AMERICAN FLORIST.

Index to Advertisers.

Adv rates....802
Advance Co The....V
Allen J K....815
Amling E C....810
Andorra Nurseries...822
Aschmann Godfrey..826
Atlanta Floral Co...817
Barrows Henry & Son813
Bassett & Washburn.810
Baumann L & Co....839
Beaven E A....808
Beckert W C....819
Benthey-Coatsworth Co....810
Berckmans P J Co. 822 823
Berning H G.. ... 813
Bertermann Bros Co.816
Blackistone Z D....817
Bobbink & Atkins...823
Boddington A T 819
Boland J B Co....817
Braslan Seed Co....818
Breitmeyer's J Sons 816
Brown Peter....821
Bruns H N 821
Budlong J A....805
Burpee W A & Co...IV
Byer Bros....817
Caldwell the Woodsman Co....808
Carlton H R....829
Carmody J D....832
Chalfant W A....827
ChicagoCarnationCo ....I III
Chicago House Wrecking Co....831
Cleveland Cut Flo Co817
ClipperLawnMower Co....830
Coles W W....827
Collins Thos....8 8
Connell Benj....827
Cooke Geo H....816
Cotsonas Geo & Co...815
Cottage gardens....822
Cowee W J....832
Crabb & Hunter. ...827
Craig Robert Co....825
Cross Eli....821
Cunningham Jos H..827
Daniels & Fisher....816
Davis Bros....821
Deamud J B Co....811
DetroitFloPotMfv...830
Dietsch A Co.... V
Diller Caskey & Co..832
Dillon J L....827
Dingee&ConardCo..827
Dittmann Wm.... II
Donohoe W H....816
Dorner F & SonsCo I
Dreer H A.... 805 831
Dreyer R....829
Dumont & Co....808
Dunford J W....817
Eberman C W....815
Edwards Fold'g Box.830
Elliott Wm H....813
Emmans Geo M....820
Eyers H G....817
Fellouris A J....815
Fischer R....822
Florists'HailAss'n...832
Flower Growers Co..810
Foley Mfg Co.... V
Ford Bros....815
For Sale and Rent...803
Froment H E....815
Garland Geo M....840
Garnsey M V.... V
Giblin & Co....VI
Globe Eng Co....829
Gude A & Bro....816
Gundestrup K & Co .IV
Gurney Heater Co... VI
Guttman Alex J....815
Haines John E....809
Hansen M A....816
Harris Wm H....809
Hartman Hjalmar..819
Hauswirth P J....816
Heller & Co....819
Henshaw A M....815
Herbert D & Son....821
Herr Albert M....827
Herrmann A.... V
Hess & Swoboda....816
Hews A H & Co....830
Hilfinger Bros....830
Hill The E G Co.... I
Hilltop Grhs....820
Hippard E.... V
Hitchings & Co.... VI
Holm & Olson....816
Holton& Hunkel Co.813
Hooker H M Co....831
Hort Advertiser 820
Hort Trade Journal..829
Hubbs Henry L 808
Hunt E H....III 810
Ideal Concrete Mch Co....831
Igoe Bros.... V
Ionia Pottery Co 830
Isbell S M & Co....IV
Jackson&PerkinsCo.822
Janesville Floral Co.827
Jensen & Dekema...810
Johnston Heating Co840
Journal Des Roses...821
Kaempfer Fred....839
Kasting W F.... I
Keller Geo & Son...830
Keller J B & Sons...817
Keller Pottery Co...830
Kellogg Geo M.... 816
Kennicott Bros Co..810
Kervan Co The....815
Kessler P.... 815
KingConstructionCo840
Klehm's Nursery ...822
Kohr A F 830
Koppelman E L & Co V
Kramer F H....820
Kramer I N & Son.. V
Kroeschell Bros Co.831
Kuhl Geo A....827
Lager & Hurrell.814 817
Lange A....816
Langjahr A H....815
Lecakes N & Co....815
Leedle Floral Co....822
Livingston Seed Co. 816 830
LocklandLumb'rCo 840
Lord & Burnham Co. VI
Matthews. Florist...817
McCullough's J M Sons Co.... 813
McKellar Chas W...811
McKissick W E....813
Mayberry & Hoover.816
Metropolitan Mat Co V
Mich Cut Flower Ex.808
Miller Theo....817
Mills the Florist....816
Moninger J C Co....840
Moon The Wm H Co.822
Moore Hentz&Nash.815
Morse C C & Co....819
Mosbaek L....827
Murdoch J B & Co ..813
Murray Samuel....816
Muskogie Carnation Co....821
Myers & Co....832
Natl FloBd of Trade.839
N Y Cut Flower Ex .815
Nicotine Mfg Co....831
Niessen Leo Co....813
Niuffer C M....822
Northern Mich Evg Nursery....808
Olbertz J....813
Pacific Seed Co....IV
Paducah Pottery 830
Palethorpe P R Co..830
Palmer W J & Son..816
Park Floral Co....816
Pennock Meehan Co812
Perennial Gardens Co822
Perfection Chem Co. V
Peterson C....817
Peterson's Nursery. 822
Pierson F R Co....I 819
Pierson U Bar Co....840
Pittsburg Cut Flo Co.809
Pittsburg Florist Ex 813
Poehlmann Bros Co 807 810 817
Pollworth C C Co.804 816
Quaker City Machine Works....839
Randall A L Co....817
Rawson W W & Co. IV
Raynor J I....815
Ready Refer'nce Adv.833
Regan Print House..839
Reinberg Peter...II 810
Reynolds C F.... V
Rice Bros....808
Rice James H Co....831
Robinson H M & Co.808
Roehrs Julius Co....815
Sander & Son 815
Scharff Bros....827
Scheepers John & Co821
Scherer John P....815
Schillo Adam....832
Schultheis Anton....827
Schulz Jacob 817
Seligman Jno....815
Sharp Partridge&Co.840
Shellroad Grhs....821
Sheridan W F....815
Shippensburg Flo Co.827
Siebrecht & Son....815
Sinner Bros. 820
Situations & Wants..803
Skidelsky S S....813
Smith Nathan & Son.827
Smith W & T Co.... I
Smits Jacs....822
Sprague Smith Co.... V
Standard Pump & Engine Co.... VI
Staer J....819
Stearns Lumber Co.. VI
Stenzel Glass Co.... V
Stern J & Co....839
Stokes Seed Store...821
Stoothoff H A & Co.831
Storrs & Harrison Co823
Styer J J....819
Syracuse Pottery Co.830
Taylor F G Seed Co. IV
Teilmann Gunnar...826
Thompson J D Carnation Co.... I
Thorburn J M & Co IV
Totty Chas H ...809 815
Traendley & Schenck815
VanHoutte PereSons821
Vaughan & Sperry...810
Vaughan's Seed Store ....I IV 8 8
Vick & Hill Co....822
Vick's Sons Jas....IV
Vincent R Jr & Son..829
Virgin U J....816
Walker John....820
Wapler Nicholas....831
Ware Thos S....823
Weber F C....816
Weber H & Sons....829
Weeber & Don....IV
Weiland & Risch....810
Welch Bros.... 813
Whilldin Pot Co....830
Wietor Bros....804 810
Wild Gilbert H....823
Wilson Andrew V
Wilson Robt G....816
Winandy Bros 840
WintersonEF Co....806
WittboldGeo Co.810 827
Wood Bros....829
Woods H....808
Young A L & Co....815
Young Thos....815
Zech & Mann....810



CHEAPEST AND BEST.

If you doubt it try them and be convinced. Send for descriptive price circular.

J. D. Carmody, Evansville, Ind.

MYERS & CO.
BUILDERS OF
Modern Greenhouses
HEATING
BOILERS.
1122 Betz Bldg.,
PHILA., PA.

It is good business policy to mention the

American Florist

.....when writing to an advertiser.

—THE—

Florists' Hail Association

Insures over 23,000,000 square feet of glass. for particulars address

JOHN G. ESLER, Sec'y, SADDLE RIVER, N. J.

Please mention the American Florist when writing

Use our patent Iron Bench Fittings and Roof Supports.

IMPROVED VAPORIZING PANS
For Tobacco Extracts, etc. Send for Circulars.
DILLER, CASKEY & CO. SUCCESSORS TO JENNINGS BROTHERS,
S. W. Cor. Sixth and Berk Sts., PHILADELPHIA.

VENTILATING APPARATUS.

Please mention the American Florist when writing.

LUMBER for Greenhouse Benches, Ship Lap, Drop Siding, Sheathing, Flooring, White Cedar Posts, Etc.

We are in special position to furnish **"PECKY CYPRESS"** everything in **PINE** and **HEMLOCK BUILDING LUMBER.** WRITE FOR PRICES.

Adam Schillo Lumber Co. Cor. Weed and Hawthorn St., CHICAGO. Tel. North 1626 and 1627.

Please mention the American Florist when writing.

Wired Toothpicks

10,000, $1.50; 50,000, $6.25. Manufactured by

W. J. COWEE, BERLIN, N. Y.

Sample free. For sale by dealers.

ANZEIGERATEN DES AMERICAN FLORIST.

Unsere Anzeigeraten sind: für den Zoll der einzelnen Spalte, $1.00 (M. 4.17); für die Seite, 30 Zoll, $30 (M. 125). Bei mehrmaligen Einrückungen werden Diskontoraten gewährt, wie folgt:

6 Einrückungen..... 5%; 26 Einrückungen.....20%;
13 Einrückungen.....10%; 52 Einrückungen.....30%.

Raum auf den vorderen Seiten und auf der Rückseite des Umschlages wird nur in Jahreskontrakten und zu $1.00 (M. 4.17) den Zoll netto abgegeben. Zahlungen sind mittels Postanweisung erbeten.

TAUX D'ANNONCES DANS L'AMERICAN FLORIST.

Nos taux d'annonces sont $1.00 (Frs. 5-15) par pouce, largeur simple colonne, $30.00 (Frs. 154-50) par page de trente pouces avec escomptes sur les insertions consécutives, comme suit:

6 insertions.....5 pour cent. 26 insertions.....20 pour cent.
13 insertions.....10 pour cent. 52 insertions.....30 pour cent.

La place occupée par des annonces sur la première et la dernière couverture ne s'accorde que par contrat annuel au taux de $1.00 (Frs. 5-15), net, par pouce. Faites remise par Mandat-poste international.

Ready Reference Advertising.

ADVERTISEMENTS IN THIS DEPARTMENT 10 CENTS PER LINE, CASH WITH ORDER. COPY MUST REACH US MONDAY OF THE WEEK IN WHICH IT IS TO APPEAR

AGERATUMS.

Ageratums, Stella Gurney, 2¼-in., $2 per 100. Nathan Smith & Son, Adrian, Mich.

ALTERNANTHERAS.

Alternantheras, red and yellow, $2 per 100; $15 per 1,000. R. Vincent, Jr., & Son, White Marsh, Md.

ALTHEAS.

Althea Edward Bellamy, best double white, 2 to 3 feet, to close out, $5 per 100; $40 per 1,000. The E. Y. Teas Co., Centerville, Ind.

ALYSSUM.

Alyssum, giant, R. C., 75c per 100. Shippensburg Floral Co., Shippensburg, Pa.

ARAUCARIAS.

Araucaria excelsa, 5½-in., 15 ins., 4 to 5 trs., 50c; 5½-in., 15 to 18 ins., 4 to 5 trs., 60c; 5½ to 6-in., 18 to 23 ins., 5 to 6 trs., 75c; 6-in., 23 to 25 ins., 5 to 7 trs., $1; 6 to 7-in., 25 to 30 ins., 5 to 7 trs., $1.25; 7-in. specimens, $1.50 to $2. Compacta Robusta, 6-in., 3 trs., 12 to 14 and 16 to 18 ins., $1 and $1.25; 6 to 7-in., 4 to 5 trs., 18 to 20 and 20 to 25 ins., $1.50, $1.75; 7-in. specimens, 6 to 7 trs., 25 to 30 ins., $2 to $2.50. Excelsa glauca, 6-in., 3 trs., 14 to 16 and 18 to 20 ins., $1 to $1.25; 6 to 7-in., 4 to 5 trs., 20 to 25 and 25 to 30 ins., $1.50, $1.75; 7-in. specimens, 5 trs., 30 to 35 ins., $2 and $2.50. G. Aschmann, 1012 Ontario St., Philadelphia.

Araucaria excelsa, 6-in., $9 per doz. Compacta, 7 and 8-in., 3 to 4 trs., $2 each. Robt. Craig Co., Market and 49th Sts., Philadelphia.

Araucaria excelsa, 50c, 75c, $1, $1.50, $2, $2.50 and $3 each. Bobbink & Atkins, Rutherford, N. J.

Araucaria Excelsa, 6-in., 3 to 4 tiers, $1 each; $12 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Araucaria excelsa. R. Dreyer, Woodside, L. I., N. Y.

Araucarias. L. Van Houtte Pere, Ghent, Belgium.

ASPARAGUS.

Asparagus plumosus, 2¼-in., $2.50; 3-in., $5; 4-in., $8. Sprengeri, 2¼-in., $2.50; 3-in., $4; 4-in., $6; per 1,000, $55. All strong plants, ready for larger pots. Goshen Floral Co., Goshen, Ind.

Asparagus plumosus, 2-in., $3 per 100; 3-in., $6. Sprengeri, 2-in., $3 per 100; 3-in., $6; 4-in., $1.25 per doz.; 5-in., $2. George Wittbold Co., 1657 Buckingham Pl., Chicago.

Asparagus plumosus nanus, 15,000 fine young plants from 2¼-in. pots, worth $3, to close out, $1.50 per 100; $15 per 1,000. The W. T. Buckley Co., Springfield, Ill.

Asparagus plumosus, 2½-in., $4 per 100; $30 per 1,000; 3-in., $7 per 100; $60 per 1,000. Robt. Craig Co., Market and 49th Sts., Philadelphia.

Asparagus plumosus nanus. Nice young plants from 2¼-in. pots, $1.75 per 100; $16 per 1,000. Cash. The W. T. Buckley Co., Springfield, Ill.

Asparagus plumosus and Sprengeri, 4-in., $8; 3-in., $5; 2¼-in., $2.50; 2-in., $2 per 100. Ludvig Mosbaek, Onarga, Ill.

Asparagus plumosus, 4-in., Bushy, 10c to 12c. Sprengeri, 4-in., 10c. G. Aschmann, 1012 Ontario St., Philadelphia.

Asparagus plumosus, 3-in., $5 per 100. Sprengeri, 3½-in., $6 per 100. Scharff Bros., Van Wert, O.

Asparagus plumosus, 2-in., $2.50 per 100; $20 per 1,000. W. F. Kasting, 383 Ellicott St., Buffalo, N. Y.

Asparagus plumosus, 2¼-in., $2 per 100; $18 per 1,000. Jos. H. Cunningham, Delaware, O.

Asparagus plumosus, 3½-in., $6 per 100. Hill Top Greenhouses, Utica, N. Y.

Asparagus Sprengeri, 3½-in., $5 per 100. Plumosus, 3½-in., $6 per 100. Poehlmann Bros. Co., Morton Grove, Ill.

Asparagus Sprengeri, field clumps, for 4 and 5-in., $6 per 100. Nathan Smith & Son, Adrian, Mich.

Asparagus Sprengeri, 2½-in., $3 per 100; $25 per 1,000. J. W. Dunford, Clayton, Mo.

Asparagus Sprengeri, 2-in., $2.50 per 100; plumosus, 2-in., $3 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus Sprengeri, 2½-in., $2 per 100. Byer Bros., Chambersburg, Pa.

ASPIDISTRAS.

Aspidistras, green and variegated, all sizes, $1, $2 and $3 each. Bobbink & Atkins, Rutherford, N. J.

AZALEAS.

Azaleas, popular American varieties, 8 to 10 ins. diam., $3.50 per doz.; $25 per 100; 10 to 12, $4.50 per doz.; $35 per 100; 12 to 14, $6 per doz.; $45 per 100; 14 to 15, $7.50 per doz; $60 per 100; 15 to 16, $9 per doz.; $75 per 100; 16 to 18, $12 per doz.; $90 per 100; 18 to 20, $25 per doz.; $200 per 100; 20 to 24, $36 per doz.; $300 per 100. Bobbink & Atkins, Rutherford, N. J.

Azaleas, Apollo, Hexe, Simon Mardner, Vervæneana, Empress of India, Hermonie, Helen Theilman, Mme. Van der Cruyssen, Niobe, Prof. Walter, 10-12-in., $35 per 100; 12-14-in., $45; 14-16-in., $55; 16-18-in., $90; 18-20-in., $150. Storrs & Harrison Co., Painesville, O.

Azalea indica, leading varieties, 35c, 40c, 50c, 60c, 75c, $1, $1.25 to $1.50 each. G. Aschmann, 1012 Ontario St., Philadelphia.

Azaleas. Cottage Gardens Co., Queens, L. I., N. Y.

Azaleas. L. Van Houtte Pere, Ghent, Belgium.

Azaleas. Jacs Smits, Ltd., Naarden, Holland.

BAY TREES.

Bay trees, fine stock. R. Dreyer, Woodside, L. I., N. Y.

Bay trees, all sizes. Bobbink & Atkins, Rutherford, N. J.

Bay trees. L. Van Houtte Pere, Ghent, Belgium.

BEGONIAS.

Begonias Gloire de Lorraine, 6-in., 50c; 3-in., 20c. Begonia Flambeau, 4-in. pots, 20c. B. Erfordii, 4-in., 15c. G. Aschmann, 1012 Ontario St., Philadelphia.

Begonias, Rex., 3-in., $8; 4-in., $15. Blooming begonias, 3-in., $7.50. Geo. A. Kuhl, Pekin, Ill.

Begonias. Thos. S. Ware, Ltd., Feltham, England.

Rex begonias, 3-in., 8c. Byer Bros., Chambersburg, Pa.

Begonia Rex, 2 and 2½-in., $5 per 100. Geo. M. Emmans, Newton, N. J.

Begonias. L. Van Houtte Pere, Ghent, Belgium.

BOXWOOD.

Boxwood, pyramidal, 2 ft., 75c each; 2½ ft., $1; 3 ft., $1.50; 3½ ft., $2; 4 ft., $3; 4½ ft., $4; 5 ft., $5; 6 ft., $6. Bush boxwood, 25c, 35c, 50c each. Bobbink & Atkins, Rutherford, N. J.

Boxwood, 12 to 20 ins., 75c per pair; 24 ins., $1 per pair. Pyramids, 3 ft., $2.50 to $3 per pair; 4 ft., $3 to $4; 4 ft. 6 ins., $5; 5 ft., $7. A. Schultheis, College Point, N. Y.

BULBS, ROOTS, TUBERS.

Bulbs, narcissus, Golden Spur, $18 per 1,000. Grandee, $10 per 1,000. Horsfieldi, $16 per 1,000. Princeps, $7 per 1,000. Single Von Sion, $11 per 1,000. Trumpet Major, $12 per 1,000. Dbl. Von Sion, $12 per 1,000. Dbl. Von Sion, mammoth dbl. nose, $20 per 1,000. Incomparable fl. pl., $9 per 1,000; Stella, $5.50. Poeticus (Pheasant's eye) $4.50 per 1,000. Poeticus Ornatus, $7 per per 1,000. Orange Phoenix, $11 per 1,000. Giant Campernelle, $6 per 1,000. Dbl. Jonquil, $8 per 1,000. Bicolor Victoria, $2 per 100; $25 per 1,000. Barrie Consp., $8 per 1,000. Silver Pheonix, $20 per 1,000. Mrs. Langtry, $10 per 1,000. Orientalis, (Chinese sacred lily) 4 baskets, 120 bulbs, $4.80. Hyacinths, Grand Maitre, Gigantea, Gertrude, King of the Blues, La Peyrouse, $1.75 per 100. Baroness Van Thuyll, Mme. Van der Hoop, $2.25 per 100. Czar Peter, $2.50 Fine named, such as Albertine, Gertrude, Grand Blanche, Robt. Steiger, Mme. Van der Hoop, L'Innocence, Baron Van Thuyll, Marie Blocksberg. Bouquet Tendre, Flevo, Garrick, Bouquet Royal, La Virginite, Prince of Orange, etc., our selection of vars., $4 per 100; $30 per 1,000. White Romans, selected, 13-15 cm., $3 per 100; $25 per 1,000. Lilium longiflorum, Japan grown, 9-10 ins., case of 200, $15. Multiflorum, 7-9 ins., case of 300, $15; 9-10 ins., case of 200, $17. Giganteum, 8-10, case of 225, $22.50. Freesia refacta alba, $7.50 per 1,000. Lily of the valley, Perfection grade, case of 2,000 pips, $28. Gladiolus Colvilli alba, The Bride, $7.50 per 1,000; rubra, $6.50 per 1,000. Tulips, Cottage Maid, Count of Leicester, Duke of York, $9 per 1,000. Keizerskroon, $17 per 1,000. La Reine, $8.50 per 1,000. Prince of Austria, $24 per 1,000. Bizarre, mix., $7 per 1,000. Darwins Peony red, $10 per 1,000. Golden Crown, $7.50 per 1,000. Parrots, named, Gloire Solis, Lady Grandison, $12 per 1,000. Murillo, $19 per 1,000. Rose Blanche, $8 per 1,000. Crocus, large size, David Rizzio, La Majesteuse, Mont Blanc, Prince Albert, Sir Walter Scott, etc., $5 per 1,000; sep. colors, blue, white, yellow, striped, $3 per 1,000. Allium Neapolitanum, $5 per 1,000. Anemones, single, $4 per 1,000. Chionodoxa Lucillae, $6.50 per 1,000. Grape Hyacinths, blue, $3.50 per 1,000; white, $6.50 per 1,000. Spanish Iris, mix., $2.50 per 1,000. Dbl. Ranunculus, French, $3.50 per 1,000; Persian, $4 per 1,000; Turban, $5 per 1,000. Scilla Campanulata cerulea, $3.50 per 1,000. Snowdrops, single and giant, $6 per 1,000. F. R. Pierson Co., Tarrytown, N. Y.

Bulbs, L. Longiflorum, 6 to 8 ins., $3 per 100; $27 per 1,000; 7 to 9 ins., $5 per 100; $45 per 1,000; Multiflorum, 6 to 8 ins., $3 per 100; $28 per 1,000; 7 to 9 ins., $5.50 per 100; $50 per 1,000. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs, white Roman hyacinths, 12x15 ctms., $2.75 per 100; $25 per 1,000; 13x15 ctms., $3.75 per 100; $35 per 1,000; 15 and over, $5 per 100; $45 per 1,000. Tulips in var. W. W. Rawson & Co., 5 Union St., Boston.

Bulbs, Chinese sacred lilies, select, 60c per doz.; basket 30 bulbs, $1.25; per 1,000, $30. Dingee & Conard Co., West Grove, Pa.

Sparaxis, $3.50 per 1,000. Ixias, mix., $2.50 per 1,000. Oxalis (Bermuda buttercup) $6 per 1,000. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Bulbs of all kinds. Currie Bros. Co., 308 Broadway, Milwaukee, Wis.

If you do not find what you need in our Ready Reference Department, write us about it.

Bulbs, Dutch hyacinths, about $2 per 100; La Grandesse, L'Innocence, Baron Von Thuyll, Gertrude, Czar Peter, Mme. Van der Hoop, Chas. Dickens, Grand Maitre. Single hyacinths, separate colors, $2.75 per 100: White and blush rose. Double hyacinths, sep. colors, $2.75 per 100; rose, pure white, white and blush. Narcissus, Incomparable, Orange, Phœnix, Empress, Princeps, Emperor, Grand Primo, Soleil d'Or, Ard Righ. Tulips, from 1,500 to 3,000 of each: Duchess of Parma, Mon. Tresor, Thes. Moore, Rose Gris de Lin, Vaughan's New Pink, Rosa Mundi, Crimson King, Gesneriana, Joost Van Vondel, Princess Marie Ann, Pottebakker, Yellow Prince, Belle Alliance, Proserpine, Cottage Maid, Dusart, Duc Von Thol, gold striped and scarlet; Rembrandt, Gold Finch, single early mixed; single late mixed; double named; Murillo, Tournesol, red and yellow, Crown d'Or, Imperator Rutrorum, Rosine, Rose Blanche, dbl. early extra mixed, dbl. early fine mixed, dbl. late extra mixed. Parrot tulips, 4 kinds. Vaughan's Seed Store, Chicago and New York.

Bulbs, Narcissus Empress and Henry Irving, Candidum lilies. E. F. Winterson Co., 45 Wabash Ave., Chicago.

Bulbs, hyacinths, tulips, narcissus, crocus, lilies, freesias. Jas. Vick's Sons, Rochester, N. Y.

Bulbs of all kinds. A. T. Boddington, 342 W. 14th St., New York.

150,000 cannas, 35 leading varieties. Ludvig Mosbaek, Onarga, Ill.

Cannas. Thos. S. Ware, Ltd., Feltham, England.

Lily of the valley, Excellenta, per original case of 500, $7. John Scheepers & Co., 2-6 Old Slip, New York.

Lily of the valley, pips for forcing, $1.50 per 100; $14 per 1,000. H. N. Bruns, 1409 W. Madison St., Chicago.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

CARNATIONS.

CARNATIONS.

	100	1,000		100.	1,000
Pink.			White.		
Fiancee	...$6		B. Market	..$5	$45
Lawson	 6	$50	F. Burki	... 7	60
N. Fisher	... 7	60	F. Hill.	.. 5	45
G. Angel	... 4	35	W. Cloud	.. 5	45
M. Glory	 4	35	Red and Crimson.		
White.			Chicago	...$5	$45
L. Peary	 8	75	H'warden	.. 6	50

Wietor Bros., 51 Wabash Ave., Chicago.

Carnations, highland grown, F. Hill, $4.50 per 100; Crusader, M. A. Patten, $5 per 100; Prosperity, M. Glory, $4 per 100; $35 per 1,000. Glacier, W. Cloud, Harlowarden, Roosevelt, Peru, $3.50 per 100; $30 per 1,000. Crabb & Hunter, Grand Rapids, Mich.

Carnations, rooted cuttings, Red Chief, Bonnie Maid, Aristocrat, $12 per 100; $100 per 1,000. Rose Pink Enchantress, $7 per 100; $60 per 1,000; White Perfection, $6 per 100, $50 per 1,000. F. Dorner & Sons Co., La Fayette, Ind.

Carnations, White Perfection, $6 per 100; $50 per 1,000. Red Riding Hood, $12 per 100; $100 per 1,000. Rose Pink Enchantress, $7 per 100; $60 per 1,000. Aristocrat, $12 per 100; $100 per 1,000. Chicago Carnation Co., Joliet, Ill.

Carnations, Rose Pink Enchantress, rooted cuttings, $7 per 100; $60 per 1,000. S. S. Skidelsky, 824 No. 24th St., Philadelphia.

Carnations, Pink Imperial, cuttings, $2.50 per doz.; $12 per 100; $100 per 1,000. John E. Haines, Bethlehem, Pa.

Carnations, 1,500 Norway, $3.50 per 100; $30 per 1,000. J. W. Dunford, Clayton, Mo.

Carnations, Lady Bountiful and Phyllis. E. F. Winterson Co., 45 Wabash Ave., Chicago.

Carnation Mabelle, new, $12 per 100; $100 per 1,000. H. Weber & Sons Co., Oakland, Md.

Carnations, hardy plants from frames, $2 per 100. Byer Bros., Chambersburg, Pa.

Carnation, Bertha Rath. R. Dreyer, Woodside, L. I., N. Y.

Carnations for fall delivery. Wood Bros., Fishkill, N. Y.

Carnations, J. D. Thompson Carnation Co., Joliet, Ill.

Carnations, leading vars. A. M. Herr, Lancaster, Pa.

CHRYSANTHEMUMS.

Chrysanthemums, stock plants, Kalb, A. Byron, Robinson, Adelia, W. Bonnaffon, Crawford, T. Eaton, Chadwick, Merry Christmas, Willowbrook, Wanamaker, Col. Appleton, Halliday, Y. Eaton, Bonnaffon, Whilldin, Reiman, Merstham Yellow, Sunshine, McNiece, Perrin, Enguehard, M. Dean, Pink Ivory, Intensity, $6 per 100; 75c per doz. Poehlmann Bros. Co., Morton Grove, Ill.

Chrysanthemums, stock plants, Alice Byron, C. Touset, Appleton, Dr. Enguehard, Dr. Galloway, E. Fitzroy, Femina, Geo. W. Childs, Ivory, Nonin, Lord Hopetoun, Monrovia, Matchless, Mrs. H. Robinson, Mrs. Coombes, Opah, Polly Rose, Roi d' Italic, T. Eaton, Yellow Eaton, $1 per doz. Mary Mann, $2 per doz. Mrs. G. Buch, $2 per doz. E. G. Hill Co., Richmond, Ind.

Chrysanthemums, stock plants, C. Touset, Nonin and Moneymaker, 15c each; $1.50 per doz.; $12 per 100. Monrovia, Pacific, Bonnaffon, white and yellow Eaton, Mrs. Weeks, V. Morel, J. K. Shaw, A. Byron, Galloway, B. Wells, Enguehard, Golden Age, Yanoma, Chadwick, 10c each; $1 per doz.; $6 per 100. Gunnar Teilmann, Marion, Ind.

Chrysanthemums, Wm. Simpson, Polly Rose, Glory of Pacific, Ivory, white and pink, Major Bonnaffon, Halliday, M. Dean, Adelia, V-Morel, L. Queen, Yel. Jones, Queen, S. Wedding, Childs, Dr. Enguehard, Alma, 75c per doz.; $5 per 100. John Walker, Youngstown, O.

Chrysanthemums, stock plants of the following varieties at $4 per 100: Kalb, Glory of Pacific, Polly Rose, Pink Ivory, White Ivory, Wm. Duckham, Maud Dean, Marie Layer, Dr. Enguehard, A. J. Balfour, Alice Byron, R. Halliday. W. H. & C. B. Newman, Akron, N. Y.

Chrysanthemum novelties, White Sport of Duckham, Mrs. A. T. Miller, Moneymaker, Rose Lawrence, Mary Godfrey, Buttercup, Miss Miriam Hankey, Mrs. Henry Barnes and many others. Chas. H. Totty, Madison, N. J.

Chrysanthemums, stock plants, Mrs. Duckham, Col. Appleton, Cheltoni, F. A. Cobbold, F. S. Valis, Wm. Duckham, Nellie Pockett, Merza, Henry Robinson, etc., $10 per 100. C. Peterson, 307 Lincoln St., Flushing, N. Y.

Chrysanthemums, select plants, Golden Wedding, Polly Rose, Mrs. Chadwick, Col. Appleton, Ben Wells, O. P. Bassett, N. Pockett, Wm. Duckham, V. Morel, Robinson, 60c per doz.; $4 per 100. Cash. McRae-Jenkinson Co., Cheswick, Pa.

Chrysanthemums, stock plants, Rosiere, $1.50 per doz. Emereter, Merstham, C. Touset, $1 per doz. Monrovia, Omega, M. Bergman, Willowbrook, 75c per doz. Eli Cross, Grand Rapids, Mich.

Chrysanthemums, stock plants, Touset, $7 per 100. Roi de Italia, $5 per 100. W. A. Chalfant, Springfield, Mo.

Chrysanthemums, baby, 7-in. azalea pots, 50c each. Robt. Craig Co., Market and 49th St., Philadelphia.

Chrysanthemums, leading foreign and American varieties. Nathan Smith & Son, Adrian, Mich.

Chrysanthemums. Wood Bros., Fishkill, N. Y.

Chrysanthemums. Geo. A. Kuhl, Pekin, Ill.

CIBOTIUMS.

Cibotium Scheidei, specimens, $25 per pair. Robt. Craig Co., Market and 49th Sts., Philadelphia.

CINERARIAS.

Cineraria, Benary, Cannell, Sutton's strain, all colors mixed, 2¼-in., $2.50 per 100. Shellroad Greenhouses, Grange, Baltimore, Md.

Cinerarias, 3-in., $3 per 100. Hill Top Greenhouses, Utica, N. Y.

COBOEA.

Coboea Scandens, 4-in., $8 per 100. Godfrey Aschmann, 1012 Ontario St., Philadelphia, Pa.

CROTONS.

Crotons, 4-in., $3 per doz.; $25 per 100; 5-in., $6 per doz.; $50 per 100; 6-in., 75c and $1 each. Made-up pans, $1.50, $2, $3, $5, $6 and $7.50 each. Robt. Craig Co., Market and 49th Sts., Philadelphia.

CYCLAMENS.

Cyclamen plants, giganteum strain, seed taken of exhibition stock only, 3-in., $7 per 100, well set with buds. C. Winterich, Cyclamen Specialist, Defiance, O.

Cyclamens, 5-in., $15 per 100; 4-in., $10 per 100; 3-in., $5 per 100, 300 for $10. Hill Top Greenhouses, Utica, N. Y.

Cyclamen, 5-in., 20c; 4-in., 12c. G. Aschmann, 1012 Ontario St., Philadelphia.

Cyclamen, high grade, 3-in., $8; 4-in., $20. Geo. A. Kuhl, Pekin, Ill.

DAHLIAS.

Dahlias, improved Countess of Lonsdale, cactus type, 6 for $1; $1.75 per doz.; $12 per 100. Arthur T. Boddington, 342 W. 14th St., New York.

Dahlias, field clumps, 10 varieties, $5 per 100. Cash. McRae-Jenkinson Co., Cheswich, Pa.

Dahlias. Thos. S. Ware, Ltd., Feltham, England.

DAISIES.

The Transvaal Daisy (Gerbera Jamesoni). The handsomest brilliant scarlet flowered herbaceous plant in existence. Strong field-grown clumps, $12 per 100. Bobbink & Atkins, Rutherford, N. J.

Daisies, Longfellow and Snowball, $2 per 1,000. Shippensburg Floral Co., Shippensburg, Pa.

Daisies, dbl., leading vars., $2.50 per 1,000. Byer Bros., Chambersburg, Pa.

DEUTZIAS.

Deutzias, in variety. W. & T. Smith Co., Geneva, N. Y.

DRACAENAS.

Dracæna fragrans, 5-in., 50c each; $5 per doz.; D. indivisa, 2-in., $2.50 per 100; 6-in., 20 to 26 ins., 50c each; $5 per doz.; 7-in., 30 to 34 ins., 75c each; $9 per doz.; D. Terminalis, 2-in., $1 per doz.; 3-in., $1.50 per doz.; 6-in., $9 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Dracæna Bruanti, 30-in., 6-in. pots, 50c each; $5 per doz. G. Aschmann, 1012 Ontario St., Philadelphia.

Dracæna Sanderiana, 2½-in., $12 per 100. Robt. Craig Co., Market and 49th Sts., Philadelphia.

Dracæna indivisa, 4 and 5 in., $10 and $25 per 100. Geo. M. Emmans, Newton, N. J.

FERNS.

Ferns, Adiantum hybridum, 8-in. pans, 2 ft. spread, $1.25 each; 7-in., 50c each. Scottii, 5-in., $4.50 per doz.; $35 per 100; 6-in., $6 per doz.; $50 per 100; 7-in., $9 per doz.; $75 per 100; 8-in. pans, $1 each. N. Elegantissima, 8-in. pans, $1.25 each; 6-in. pots, 75c each; 5-in., 50c each; 2½-in., $8 per 100; $75 per 1,000. Whitmani, 6-in. pots, $1 each; $10 per doz.; 8-in., $1.25 each; $14 per doz.; N. Barrowsii, 5-in., 35c; 6-in., 75c; 8-in., $1.25 each. Boston, 8-in., $12 per doz. Robt. Craig Co., Market and 49th Sts., Philadelphia.

Ferns, Boston and Piersoni, 4-in., 10c; 5-in., 12½c; Boston, 6 and 7-in., 15c; 3-in., 5c; Tarrytown, 3-in., 10c; 4-in., 15c; 6-in., 25c; runners, $2 per 100; Scottii, 3-in., 8c; 4-in., 12½c; 5-in., 15c. Byer Bros., Chambersburg, Pa.

Ferns, Elegantissima, 2½-in., $5 per 100. Storrs & Harrison Co., Painesville, O.

If you do not find what you need in our Ready Reference Department, write us about it.

Ferns, Barrowsii, 7-in., 75c to $1 each; 6-in., 50c; 5½-in., 40c; 5-in., 35c; 4-in., 25c. Scottii, 8-in., $1.25; 7-in., 75c; 6-in., 50c; 5½-in., 40c; 4-in., 20c. Elegantissima, 5-in., 30c. Boston, 7-in., 75c; 6-in., 50c; $5 per doz.; 5-in., 30c to 35c; 4-in., 20c. Ferns for dishes, 2½-in., $5 per 1000; 3-in., $6. G. Aschmann, 1012 Ontario St., Philadelphia.

Ferns, Boston, 4-in., $1.50 per doz.; 5-in., $3; 6-in., $4.20; 6-in., strong, $6; 7-in., $9. Large specimens, $1.50, $2, $3 each. Assorted ferns for dishes, $3 per 100; $25 per 1,000. Scottii, 10-in., $2 each. Fern Balls, 7 to 9 dormant or in leaf, $4.20 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Ferns, Boston, strong runners, $2 per 100. Piersoni, 6-in., $40 per 100; 7-in., $60. Scottii, 5-in., $25 per 100; 6-in., $40 per 100; 7-in., $60 per 100. Elegantissima, 2½-in., $5 per 100. Whitmani, young plants from bench, $10 per 100. Davis Bros., Morrison, Ill.

Ferns, Whitmani, runners from bed, $7 per 100; $60 per 1,000; 3-in., $10 per 100; $90 per 1,000. Scottii, runners from bed, $25 per 1,000; 3-in., $40 per 1,000. Wm. K. Harris, 55th St. and Springfield Ave., Philadelphia.

Ferns, N. Piersoni Elegantissima, 2¼-in. pots, $12 per 100; specimen plants, 6-in., $1 each; 8-in., $2; 10-in., $3; 12-in., $5; 14-in., $7.50; 16-in., $10. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns, Boston, 4-in., 10c; 5-in., 12½c; 3-in., 5c; Tarrytown, 3-in., 10c; 4-in., 15c; 6-in., 25c; runners, $2 per 100; Scottii, 3-in., 8c; 4-in., 12½c. Byer Bros., Chambersburg, Pa.

Ferns, Pierson, 6-in., 35c; 5-in., 25c; 4-in., 15c. Boston, 5-in., 25c; 4-in., 15c. Scottii, 5-in., 30c; 4-in., 20c. Anna Foster, 2½-in., 4c. Benj. Connell, West Grove, Pa.

Ferns, Boston, Piersoni, Anna Foster and Sword, 2¼ and 3-in., $3 and $6 per 100; 6-in., $4; 8-in., $12; 10-in., $25 per doz. Ludvig Mosbaek, Onarga, Ill.

Ferns, for dishes, fine plants, 2½-in., $3 per 100; $25 per 1,000; 3-in., $5 per 100; $45 per 1,000. Gus Adrian, Clifton, Cincinnati, O.

Ferns, N. Whitmani, 2¼-in., $25 per 100. Boston, 2¼-in., $3 per 100. H. H. Barrows & Sons, Whitman, Mass.

Ferns, Boston, Piersoni, Barrowsii, Scottii, Whitmani, Elegantissima, all sizes. Geo. A. Kuhl, Pekin, Ill.

Ferns, Boston, from bench, for 4 and 5-in., $10 and $15 per 100. J. W. Dunford, Clayton, Mo.

Ferns, orders booked now for N. Amerpohli, Janesville Floral Co., Janesville, Wis.

Ferns, Boston, Piersoni, Elegantissima, Scottii, cheap. W. W. Coles, Kokomo, Ind.

Ferns, Boston, 5-in., 30c each. Piersoni, 6-in., 50c each. Geo. M. Emmans, Newton, N. J.

Ferns, Boston, 4 and 5-in. John Wolf, Ott and Anderson St., Savannah, Ga.

Ferns, Scottii, 5-in., $25 per 100. Holton & Hunkel Co., Milwaukee, Wis.

Ferns, A. Hybridum, 2¼-in., $5 per 100. A. Ley & Bro., Langdon, D. C.

Ferns, all leading varieties. R. Dreyer, Woodside, L. I., N. Y.

FICUS.

Ficus pandurata, 2½ to 3 ft., $3 each; 3½ to 4 ft., $4; 4½ to 5 ft., in tubs, $7.50; branched plants $4, $5 and $7.50 each. Robt. Craig Co., Market and 49th Sts., Philadelphia.

Ficus, 6-in., 25 to 30 ins., 40c to 50c each. G. Aschmann, 1012 Ontario St., Philadelphia.

GARDENIAS.

Gardenia Veitchii 5 and 6-in., 50c, 75c and $1 each. Robt. Craig Co., Market and 49th Sts., Philadelphia.

GERANIUMS.

Geraniums, unrooted cuttings, S. A. Nutt, $1 per 100, cash. McRae-Jenkinson Co., Cheswick, Pa.

Geraniums, from 2-in. pots. Alliance, Lemoine, 1905, 25c each; $2 per doz. Fleuve Blanc, $1.50 per doz.; $10 per 100. Cactus, 4 vars., $2 per doz., $15 per 100. Double Dryden, $1 per doz.; $5 per 100. Nutt, La Pilote, Poitevine, Mme. Barney, Centaure, Kendall, Mme. Jaulin, Viaud, Mme. Charotte, 40c per doz.; $2 per 100; $18 per 1,000. Ville de Poitiers, M. de Castellane, Berthe de Presilly, M. Jolly de Bammeville, T. Meehan, 50c per doz.; $3 per 100; $25 per 1,000. R. Vincent, Jr., & Son, White Marsh, Md.

Geraniums, the following "Six Kings"; S. A. Nutt, deep scarlet; A. H. Trego, scarlet; Peter Henderson, bright scarlet; Beaute Poitevine, salmon; Jean Viaud, pink; Mme. Buckner, white; all semi-double, strong top cuttings, well rooted, $1.50 per 100; $15 per 1,000. Cash. The W. T. Buckley Co., Springfield, Ill.

Geraniums, S. A. Nutt, Castellane, John Doyle, Perkins, Double Gen. Grant, La Favorite, Poitevine, 2-in. pots, $2 per 100; R. C., $1 per 100. Geo. M. Emmans, Newton, N. J.

Geraniums, leading vars. A. M. Herr, Lancaster, Pa.

GLOXINIAS.

Gloxinias. L. Van Houtte Pere, Ghent, Belgium.

GREENS.

Greens, wreathing, standard, per coil, 20 yds., 60c; light weight, 50c; standard dyed, 60c; light weight, 50c. Wreaths, holly, Delaware, $1.10 per doz.; Southern, $1 per doz.; evergreen mixed, $1 per doz. Evergreen, plain, $1 per doz.; with immortelles, $1.10 per doz. Galax, green or bronze, 90c per doz.; with immortelles, $1 per doz.; magnoiia wreaths, $1 per doz.; with immortelles, $1.10 per doz. Delaware holly, per crate, $4 to $4.50; Southern, $3.25 to $3.75. Mistletoe, per lb., 20c. Needle pines, per doz., $1.50. Galax leaves, per 1,000, $1. California pepper boughs, per crate, $4.50. Magnolia leaves, per barrel, $6.50. H. Woods Co., 127 S. Water St., Chicago.

Greens, dagger and fancy ferns, $1.25 per 1,000. Bronze and green galax, $1 per 1,000; 10,000 lots, $7.50. Bouquet green, per 100 yds., $7. Laurel festooning, 5c and 6c per yd. Laurel Wreaths, $3 per doz.; branch laurel, per bunch, 5c. Boxwood, per lb., 20c. Leucothoe sprays, per 100, $1. Green and Spaghnum moss, $1 per barrel. Lyrata (new). H. M. Robinson & Co., 8 Province St., Boston, Mass.

Greens, holly and holly wreaths, choice Delaware, $3 per case; wreath, 10c and 12c. Laurel roping, 3c per yd. Harry L. Hubbs, N. E. cor. 34th and Cumberland St., Philadelphia.

Greens, cut ferns, fancy and dagger, 90c per 1,000. Bouquet green, $7.50 per 100 lbs. Xmas trees by car load or small lots. Sphagnum Moss, 50c per sack. Thos. Collins, Hinsdale, Mass.

Holly, Delaware holly, Lycopodium and a full line of Xmas green decorations. Buy in Denver and get quick delivery. Price list now ready. Barteldes Seed Co., Denver, Col.

Greens, holly, bouquet green, laurel, mistletoe, needle pines, wreathing, holly and evergreen wreaths, etc. Vaughan's Seed Store, Chicago and New York.

Greens, cut palmetto and cycas palm leaves, galax, leucothoe, ferns, mosses and all decorating evergreens. The Kervan Co., 20 W. 27th St., New York.

Decoration Material, fancy fern leaves, also galax, green sheet moss, etc. Ask for latest price list. Barteldes Seed Co., Denver, Col.

Greens, holly, bouquet green, mistletoe, evergreen wreathing, etc. E. F. Winterson Co., 45-49 Wabash Ave., Chicago.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 52 W. 28th St., New York.

Greens, fancy ferns, $1 per 1,000. Galax, $1.25. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, galax. leaves, ferns and leucothoe sprays, holly. Princess pine, all kinds of evergreens. Galax leaves, $1 per 1,000. N. Lecakes & Co., 53 W. 28th St., New York.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. A. J. Fellouris, 52 W. 28th St., New York.

Greens, evergreens, galax, ferns, decorative supplies, moss. Jno. P. Scherer, 636 Garden St., Union Hill, N. J.

Greens, bouquet green and Christmas trees. Northern Mich. Evergreen Nursery, Clark St. Bridge, Chicago.

Greens, Beaven's fadeless sheet moss, $3.50 per bag. Southern wild smilax. E. A. Beaven, Evergreen, Ala.

Greens, Southern wild smilax. Caldwell The Woodsman Co., Evergreen, Ala.

HARDY PERENNIALS.

Iris Germanica, Mme. Chereau, Gracchus, Florentine, Socrates, Duchess de Nemours, Dr. Bernice and 20 others, $2.50 per 100; $22.50 per 1,000. Hemerocallis in 10 vars., $3.75 per 100; $30 per 1,000, Delphinium Belladonna, 1 yr., plants, $6.25 per 100; $57.50 per 1,000; 3 yr., clump, $8.75 per 100; $75 per 1,000. Chrysanthemum maximum King Edward, largest white Marguerite, strong from ground, $8.75 per 100. Lathyrus latifolius White Pearl, from ground, $12.50 per 100. Thos. S. Ware, Ltd., Feltham, England.

Hardy Perennials, German iris, asst. colors; golden glow (Rudbeckia), Baltonia, white and pink, $1 to $5 per 100 clumps. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Hardy pinks, field-grown, Essex Witch, M. Gray, Abbottsford, 3½c. Byer Bros., Chambersburg, Pa.

Hardy, perennial herbaceous plants, 50,000 field and pot grown. Ludvig Mosbaek, Onarga, Ill.

Dielytra spectabilis, strong clumps, $8 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Phlox, iris, pinks, etc. Vick & Hill, Rochester, N. Y.

HELIOTROPE.

Heliotrope, blue, R. C., 75c per 100. Shippensburg Floral Co., Shippensburg, Pa.

HIBISCUS.

Hibiscus Syriacus Meehani. P. J. Berckmans Co., Inc., Augusta, Ga.

HOLLYHOCKS.

Hollyhocks, dbl., 4 colors, 1-yr., 3c. Byer Bros., Chambersburg, Pa.

Hollyhocks, separate colors, $7.50. Perennials Gardens Co., Toledo, O.

HYDRANGEAS.

Hydrangeas, Otaksa and Thos. Hogg, 7-12 crowns, $12 per 100; 5-6, $9 per 100; 4, $7 per 100. Jackson & Perkins Co., Newark, N. Y.

Hydrangea Otaksa, field-grown, 6 to 8 up to 10 to 12 shoots, $15 per 100. W. F. Kasting, Buffalo, N. Y.

IVY.

Ivy, hardy English, $2 per 100; $15 per 1,000. R. Vincent, Jr., & Son, White Marsh, Md.

JERUSALEM CHERRIES.

Jerusalem cherries, 3½-in. in bloom, $4 per 100. J. W. Dunford, Clayton, Mo.

MARANTAS.

Maranta Lietzii, 2½-in., $1 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Maranta rosea, 3-in., $25 per 100. Robt. Craig Co., Market and 49th St., Philadelphia.

MUSHROOM SPAWN.

Mushroom Spawn, pure culture srawn, and importers of English mushroom spawn. Knud Gundestrup & Co., 4273 Milwaukee Ave., Chicago.

If you do not find what you need in our Ready Reference Department, write us about it.

Mushroom spawn, Pure Culture, per 10 bricks, $1.50; 25 bricks, $3.50; 50 bricks, $6.50; 100 bricks, $12. W. C. Beckert, 103 Federal St., Allegheny, Pa.

Mushroom Spawn, English and pure culture, Weeber & Don, 114 Chambers St., New York.

Mushroom Spawn, frequent importations from England. J. J. Styer, Concordville, Pa.

NURSERY STOCK.

Shrubs, fine, healthy stock of Tamarix, 3 to 5 ft., 3c; 4 to 5 ft., 4c; 5 to 6 ft., 5c. Deutzias, asst., 2 to 3 ft., 5c. Spiræa Bill. and opulifolia, 2 to 3 ft., 6c. Stag Horn Sumach, 4 to 5 ft., 12c; 5 to 6 ft., 15c. California privet, 2 to 3 ft., well branched, 3c. Forsythia suspensa, 2 to 3 ft., 6c. Stock must be sold to clear ground. Elmhurst Nursery, Argentine, Kans.

Nursery stock, shade trees, fruit trees, small fruits, shrubs, clematis, Barberry Thunbergii. W. & T. Smith Co., Geneva, N. Y.

Nursery stock. trees and shrubs. Price list on application. Peterson's Nursery, 503 W. Peterson Ave., Chicago.

Calycanthus, sweet shrub, 1½ to 2 feet transplanted, $5 per 100. The E. Y. Teas Co., Centerville, Ind.

Nursery stock, evergreen and deciduous flowering shrubs and vines. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, all kinds of hardy stock. Klehm's Nurseries, Arlington Heights, Ill.

Nursery stock, deciduous trees and shrubs, evergreens. Cottage Gardens Co., Queens, L. I., N. Y.

Nursery stock, pot-grown shrubs, conifers and ornamental stock. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, Biota, aurea nana, conifers, oranges, etc. P. J. Berckmans Co. (Inc.), Augusta, Ga.

Nursery stock, large trees, oak, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, plants and shubbery of all kinds. Dingee & Conard Co., West Grove, Pa.

Nursery stock, lilac bushes, large white, 4 to 6 ft. R. Fischer, Great Neck, L. I., N. Y.

ORANGES.

Oranges, otaheite, 5 to 20 fruit, 25c a fruit. Robt. Craig Co., Market and 49th Sts., Philadelphia.

ORCHIDS.

Orchids, C. Dowiana, C. Gigas, C. Mossiæ, C. Percivaliana, C. speciosissima, C. Eldorado, C. superba, C. labiata, C. Leopoldii. Lager & Hurrell, Summit, N. J.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England; New York office, room 1, 235 Broadway.

Orchids, imported seedlings. Julius Roehrs Co., Rutherford, N. J.

PALMS.

Palms, Kentia Fors., made-up, 1 large and 3 small in pot, 45 to 48, 25 to 30 ins., $2, $2.50; 6-in., single, 36 to 45 ins., 5 to 6 leaves, $1.25 to $1.75; 6-in., 32 to 36 ins., 5 to 6 lvs., $1; 5½ to 6-in., 30 ins., 5 lvs., 75c; 4-in., made-up, 3 plts. in pot, 18, 20 to 25 ins., 25c, 30c, 35c. Cocos Wed., 15c. Areca Lutescens, 5-in., 24 ins., made-up, 3 plts., 35c; 4-in. pots, 20 to 24 ins., 3 plts., 25c. Areca Sapida, 25 ins., 50c each. G. Aschmann, 1012 Ontario St., Philadelphia.

Palms, Kentia, Bel. and Fors., all sizes, 15 ins. to 15 feet; $1 to $5 sizes in single and made-up very handsome. Bobbink & Atkins, Rutherford, N. J.

Palms of all kinds. R. Dreyer, Woodside, L. I., N. Y.

Palms. P. J. Berckmans Co. (Inc.), Augusta, Ga.

Palms, Areca Lutes., 4-in., 3 plts. in pot, 15-in., $3.50 per doz.; $25 per 100; Cocos Wed., 2¼-in., 5 to 6 ins., $1.50 per doz; $10 per 100; $90 per 1,000; 3-in., 8 to 10 ins., $2 per doz.; $15 per 100; $140 per 1,000. Kentia Fors., 6-in., 6 lvs., 24 to 28 ins., $1 each; 6-in., 6 lvs., 28 to 30 ins., $1.25; 6-in., 6 lvs., 30 to 32 ins., $1.50; 7-in., 6 lvs., 34 to 36 ins., $2; 7-ins., 6 lvs., 36 to 40 ins., $2.50; 9-in., 6 lvs., 46 to 48 ins., $3.50; 7-in. tubs, 6 lvs., 48 ins., $4; 12-in., 6 to 7 lvs., 8 to 10 ft., $15. Made up, 9-in., 4 plts. in pot, 3½ ft., $4 each; 9-in. tubs, 4 plts., 4 ft., $5; 12-in., 4 plts., 6½ to 7 ft., $15; 13-in., 4 to 6 plts., 5½ to 6 ft., bushy, $15. Bel., 6-in., 6 lvs., 20 to 24 ins., $1 each; 6-in. 6 lvs., 24 to 26 ins., $1.25; 6-in., 6 to 7 lvs., 26 to 28, $1.50; 7-in., 6 to 7 lvs., 34 to 36 ins., $2.50; 9-in. tubs, 6 to 7 lvs., 48 ins., heavy, $7.50. Latania Borb., 7-in., 6 to 8 lvs., heavy, $1 each. Livistona Rotundifolia, 4-in., $4 per doz.; $30 per 100. Phœnix Can., 2½ ft., $2 each; 3½ ft., $3.50; 4 to 4½ ft., $5; 4½ to 5 ft., $6. Phœnix Roebelenii, 4-in., 10 ins., $1 each; 5-in., 12 ins., $1.25; 8-in., 18 ins., $3.50. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Palms, Cocos, 3-in., $2 per doz.; C. Bonetti, specimens, $40 each. Kentia Bel., 3-in., $2 per doz.; 6-in., $1.25 each, $15 per doz.; Kentia Fors, 6-in., $1.25 each, $15 per doz.; 7-in., $2, $2.50 and $3 each, $24 per doz. Phœnix Can., 2-in., $1 per doz.; 10-in., $3 each; large specimens. Phœnix Recli, 3½-in., $2 per doz.; 4-in., $3 per doz. Latania Bor., 3-in., $1.50 per doz.; 3½-in., $2; 4-in., $3; 5-in., $5; 7-in., $12. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Palms, Latania Bor., 4-in., $15 per 100. Kentia Bel., 5-in., $60 per 100. Storrs & Harrison Co., Painesville, O.

Palms. L. Van Houtte Pere, Ghent, Belgium.

PANDANUS.

Pandanus Veitchii, 6-in., per doz., $12. Utilis, 3-in., $1.50 per doz.; 4-in., per doz., $3; 5-in., per doz., $5. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Pandanus Veitchii, 4-in., 50c each; 5-in., 75c each; 6-in., $1 each. Pacifica, 6-in. pots, $1.50 each; 7-in., $2 each. Robt. Craig Co., Market and 49th Sts., Philadelphia.

PANSIES.

Pansies, $3 per 1,000; 50c per 100. Jos. H. Cunningham, Delaware, O.

Pansies, giant prize, mixed colors, $3 per 1,000. Peter Brown, Lancaster, Pa.

Pansies, giant, $2 per 1,000. Shippensburg Floral Co., Shippensburg, Pa.

PEONIES.

Peonies, Prince Charles, Lord Salisbury, Duchess of Sutherland, Rosea maxima, Mme. Furtado, Philomile, Leonie, Mons. Boquil, Festiva, Hypatia, Mons. Rousselon, Mme. Moreau, 1 yr., $1.50 per doz.; $10 per 100; 2 yr., $2 per doz.; $15 per 100. Thos. S. Ware, Ltd., Feltham, England.

Peonies, choice kinds, Festiva Maxima, Felix Crousse, Queen Victoria, etc., at lowest rates. Fine mixed sorts, $5 per 100. The E. Y. Teas Co., Centerville, Ind.

Peonies, Queen Victoria, $9 per 100. Festiva Maxima, $30 per 100; Fragrans, $6 per 100. G. H. Wild, Sarcoxie, Mo.

Peonies. Wholesale grower of the best varieties. J. F. Rosenfield, West Point, Neb.

Peonies a specialty. Peterson Nursery, 503 W. Peterson Ave., Chicago.

Peonies, all vars. Jacs Smits, Ltd., Naarden, Holland.

Peonies. W. & T. Smith Co., Geneva, N. Y.

PETUNIAS.

Petunias, Seafoam, Intensity, Pink Beauty, 2¼-in., $2.50 per 100. Nathan Smith & Son, Adrian, Mich.

POINSETTIES.

Poinsettias, 3-in., $8; 4-in., $12.50; 6-in., 50c each. Geo. A. Kuhl, Pekin, Ill.

PRIMULAS.

Primroses, Chinese, 2½-in., $5; 3-in., $8; 4-in., $12.50. Obconica, 2½-in., $5; 3-in., $8. Baby, 3-in., $8. Geo. A. Kuhl, Pekin, Ill.

Primroses, Chinese and obconica, 4-in., $6 per 100; 3-in., $3 per 100. Hill Top Greenhouses, Utica, N. Y.

Primroses, obconica, alba and rosea, $1.50 per 100; $12 per 1,000. Jos. H. Cunningham, Delaware, O.

Primroses, 4-in., $10 per 100; 5¼-in., $2 per doz. G. Aschmann, 1012 Ontario St., Philadelphia.

Primula obconica, 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

PRIVET.

Privet, California, the best. R. Dreyer, Woodside, L. I., N. Y.

RHODODENDRONS.

Rhododendrons. Jacs Smits, Ltd., Naarden, Holland.

Rhododendrons. Cottage Gardens Co., Queens, L. I., N. Y.

ROSES.

Roses, Baby Rambler, 1st size, 2 yr., $3 per doz.; $25 per 100; $200 per 1,000. 2nd size, 2 yr., $2.50 per doz.; $20 per 100; $150 per 1,000; 1st size, 1 yr., $2 per doz.; $15 per 100; $120 per 1,000. Pot-grown, 4-in., $3 per doz.; $20 per 100. 5-in., $5 per doz.; $40 per 100. 6-in., $6 per doz., $50 per 100. Etoile de France, 1-yr., dormant, $2 per doz.; $15 per 100. Richmond, 3-in., $8 per 100; $75 per 1,000; 4-in., $12 per 100; $100 per 1,000. Killarney, 3-in., $8 per 100; $75 per 1,000; 4-in., $12 per 100; $100 per 1,000. Vaughan's Seed Store, Chicago and New York.

Roses, home grown, Baby Rambler, $2.50 per doz.; $20 per 100. Hermosa, $1.65 per doz.; $12.50 per 100. C. Soupert, $1.65 per doz., $12.50 per 100. Imported, extra heavy hybrid perpetuals, all vars., $1.50 per 10; $12.50 per 100. Baby Rambler, $2 per 10; $17.50 per 100; Crimson Rambler, $1.75 per 10; $15 per 100. Perennial Gardens Co., Toledo, O.

Roses, 2-yr., field-grown, hybrid perpetuals, $10 and $12 per 100; Crimson Rambler, $9 per 100; Dorothy Perkins, $7 per 100. Lady Gay, 2½-in. pots only. Jackson & Perkins Co., Newark, N. Y.

Rose, Queen Beatrice, finest forcing pink, to be disseminated spring of 1907. F. H. Kramer, 916 F St., N. W., Washington, D. C.

Roses, from 2½-in. pots, Ivory, G. Gate, Bride, Maid, Chatenay. Mrs. J. W. Crouch, 709 Market St., Chattanooga, Tenn.

Roses, C. Soupert, Marie Pavie, C. Rambler, Dorothy Perkins, P. J. Berckmans Co. (Inc.), Augusta, Ga.

Roses, H. P's, H. T's, T's, R's, Cl's, B., etc., 101 best sorts, own roots. Leedle Floral Co., Springfield, O.

Roses, Crimson Rambler, 4 to 7 ft., $10 per 100; No. 2's, $6 per 100. C. M. Niuffer, Springfield, O.

Roses, Dorothy Perkins, strong field plants, $7 per 100. The E. Y. Teas Co., Centerville, Ind.

Roses, Bride, Maid, G. Gate, Ivory, $1.50 per 100. Geo. A. Kuhl, Pekin, Ill.

Roses, 4-in. pots. Muskogee Carnation Co., Muskogee, Ind. Ter.

Roses, field-grown for forcing. W. & T. Smith Co., Geneva, N. Y.

Roses, from 3-in. pots. Wood Bros., Fishkill, N. Y.

Roses, climbing plants. Jacs Smits, Ltd., Naarden, Holland.

SEEDS.

Seeds, Rocky Mountain Columbine, true, new crop, ¼ oz., 40c; oz., $1.25. Buy now, supply limited. Barteldes Seed Co., Denver, Col.

Seeds, Asparagus, A. plumosus nanus, Northern greenhouse grown seed, 100 seeds, 60c; 250 seeds, $1.25; 1,000 seeds, $4.50. Southern greenhouse grown, 1,000 seeds, $2.50; 5,000 seeds, $10. A. plumosus robustus, 100 seeds, $1; 1,000 seeds, $9. Decumbens, 100 seeds, 50c; 1,000 seeds, $4. Comorensis, 100 seeds, $1; 1,000 seeds, $7.50. Cash discount 2 per cent. Vaughan's Seed Store, Chicago and New York.

Seeds, palms, Kentia Fors., K. Bel., $1.25 per 1,000. Canterburyana, $3 per 1,000. Moorei, $12 per 1,000. Areca Baueri, $1 per 1,000. Seaforthia elegans, 50c per 1,000. Livistona australis, 50c per 1,000. Bacularia monostachya, $1.50 per 1,000. Gymnostachys anceps, $2 per 1,000. Calamus Muelleri, $1.50 per 1,000. Tree seeds, Castanospermum australe, $5 per 1,000. Araucaria excelsa, $1.25 per 1,000. J. Staer, Wahroonga, N. S. W., Australia.

Seeds, sweet peas, Earliest White, per pkt. (40 seeds), 25c; 5 pkts., 75c net. ½ size pkts., 15c; 2 pkts., 25c; 10 pks., 75c. Burpee's Earliest of All, per oz., 10c; ¼ lb., 30c; per lb., $1. W. Atlee Burpee & Co., Philadelphia.

Seeds, L. C. Nungesser, Griesheim near Darmstadt, Germany, exporter and importer. Specialties: Selected grass and clover seeds, alfalfa of Provence and Turkestan; free from dodder and cuscuta. Crimson clover.

Seeds, Suhr's genuine Danish Cauliuower, Dwarf Erfurter and Danish Giant; Cabbage, Danish, Ball Head. Wholesale only. Write for particulars. S. Suhr, Copenhagen, Denmark.

Seeds, mignonette, New York Market. Sweet peas, pink and white. Tomato, The Don, Stirling Castle. Weeber & Don, 114 Chambers St., New York.

Seeds, specialties, beans, cucumber and tomato, radish, peas, muskmelon, sweet corn and squash. S. M. Isbell & Co., Jackson, Mich.

Seeds, all kinds, specialties, onion, carrot, lettuce, sweet peas. Pacific Seed Growers' Co., 109 Market St., San Francisco.

Seeds, cabbage and cauliflower. Hjalmar Hartmann & Co., 12 Stormgade, Copenhagen, 31 Barclay St., New York.

Seeds, Hollyhock, Myosotis, Pansies, all seeds. Hasslach & Roumanille, seed growers, St. Remy de Provence, France.

Seeds, Asparagus plumosus, per oz., $1; per lb., $14; 5 lbs., $55; 10 lbs., $100. F. G. Taylor Seed Co., Glendale, Cal.

Seeds, all kinds of vegetable and flower seeds. C. C. Morse & Co., 171 Clay St., San Francisco.

Seeds, Asparagus plumosus, $3.50 per 1,000 seeds. J. M. Thorburn & Co., 33 Barclay St., New York.

Seed, Pandanus utilis, $6 per 1,000 seeds. J. M. Thorburn & Co., 33 Barclay St., New York.

Seeds, 5,400 acres of garden seeds in cultivation. Brasian Seed Growers' Co., San Jose, Cal.

Seeds of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Seeds, Snowball cauliflower. R. Wiboltt, Nakskov, Denmark.

Seeds of all kinds. Stokes Seed Store, 219 Market St., Philadelphia.

Seeds. W. Atlee Burpee Co., Philadelphia, Pa.

SELAGINELLAS.

Selaginella Denticulata, 3-in., $1 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

SMILAX.

Smilax, 2-in., strong, $1 per 100; $9 per 1,000. C. Humfeld, Clay Center, Kan.

Smilax, 3-in., $4 per 100; $35 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Smilax, $2 per 100; $15 per 1,000. R. Vincent, Jr., & Son, White Marsh, Md.

Smilax, field clumps, $3 per 100. Nathan Smith & Son, Adrian, Mich.

Smilax. Wood Bros., Fishkill, N. Y.

SPIREAS.

Spireas, japonica, strong clumps, $3.50 per 100; Astilboides Floribunda, $4 per 100; Compacta Multiflora, $4 per 100; Gladstone, $6.50 per 100. J. M. Thorburn & Co., 33 Barclay St., New York.

Astilbe, or spirea, Gladstone, $8 per 100; Astilboides floribunda and Japonica, $5 per 100; Compacta, multiflora, $6 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Spirea Van Houttei. W. & T. Smith Co., Geneva, N. Y.

Spireas. Jacs Smits, Ltd., Naarden, Holland.

STEVIAS.

Stevia, fine large plants, 6-in., 20c; 7-in., 25c; 8-in., 30c. Thos. Salveson, Petersburg, Ill.

VERBENAS.

Verbenas, 60 named vars., Rooted cuttings, 75c per 100; $6 per 1,000. Plants, $2.50 per 100; $20 per 1,000. J. L. Dillon, Bloomsburg, Pa.

VINCAS.

Vinca Minor, Hardy periwinkle, good clumps, $1.50 per 100; $10 per 1,000. The E. Y. Teas Co., Centerville, Ind.

Vinca Var., rooted cuttings, $1 per 100; $7.50 per 1,000. Holton & Hunkel Co., Milwaukee, Wis.

Vinca Var., 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

VIOLETS.

Violets, Gov. Herrick, new single violet, good keeper; rooted cuttings $2 per doz.; $10 per 100; $75 per 1,000; 5,000 or more, $60 per 1,000. H. R. Carlton, Willoughby, O.

Violets. Wood Bros., Fishkill, N. Y.

WISTARIAS.

Wistaria Magnifica, 3-yr., strong, $3 per 100. The E. Y. Teas Co., Centerville, Ind.

WHOLESALE CUT FLOWERS.

Commission Dealers.

Allen, J. K., 106 W. 28th St., New York.

Amling, E. C., 32-36 Randolph St., Chicago.

Berning, H. G., 1402 Pine St., St. Louis.

Cleveland Cut Flower Co., 215 Huron road, Cleveland, O.

Deamud, J. B., Co., 51 Wabash Ave., Chicago.

Eberman, C. W., 53 W. 30th St., New York.

Flower Growers' Market, 60 Wabash Ave., Chicago.

Ford Bros., 48 W. 28th St., New York.

Froment, Horace E., 57 W. 28th St., New York.

Guttman, Alex. J., 43 W. 28th St., N. Y.

Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Henshaw, A. M., 52 W. 28th St., New York.

Horan, Edward C., 55 W. 28th, N. Y.

Hunt, E. H., 76 Wabash Ave., Chicago.

Kennicott Bros. Co., 40-44 Randolph St., Chicago.

Kessler, Phil. F., 55 W. 26th St., N. Y.

Kuehn, C. A., 1122 Pine St., St. Louis.

Langjahr, Alfred H., 55 W. 28th St., New York.

McCullough's Sons Co., J. M., 316 Walnut St., Cincinnati, O.

McKellar, Chas. W., 51 Wabash Ave., Chicago.

McKissick, W. E., 1221 Filbert St., Philadelphia.

Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Murdoch, J. B. & Co., 745 Liberty Ave., Pittsburg, Pa.

N. Y. Cut Flower Ex., Coogan Bldg., 6th Ave. and W. 26th St., New York.

Niessen Co., Leo, 1217 Arch St., Phila.

Pennock-Meehan Co., 1608-18 Ludlow St., Philadelphia.

Pittsburg Cut Flower Co., Ltd., 222 Oliver Ave., Pittsburg, Pa.

Pittsburg Florists' Exchange, 217-223 Diamond St., Pittsburg, Pa.

Pollworth, C. C. Co., Milwaukee, Wis.

Randall, A. L. Co., 19 Randolph St., Chicago.

Raynor, John I., 49 W. 28th St., N. Y.

Rice Bros., 128 N. 6th St., Minneapolis, Minn.

Robinson, Henry M., & Co., 11-15 Province St., Boston.

Seligman, John, 56 W. 26th St., N. Y.

Sheridan, Walter F., 39 W. 28th St., New York.

Traendley & Schenck, 44 W. 28th St., New York.

Vaughan & Sperry, 58-60 Wabash Ave., Chicago.

Welch Bros., 226 Devonshire St., Boston.

Winterson, E. F. Co., 45-49 Wabash Ave., Chicago.

Young, A. L. & Co., 54 W. 28th St., New York.

Young, Thos., 43 W. 28th St., N. Y.

Zech & Mann, 51 Wabash Ave., Chicago.

Growers.

Bassett & Washburn, 76-78 Wabash Ave., Chicago.

Benthey-Coatsworth Co., The, 35 Randolph St., Chicago.

Bruns, H. N., 1409-1411 W. Madison St., Chicago.

Budlong, J. A., 37-39 Randolph St., Chicago.

Chalogue Greenhouses, Mobile, Ala.

Dittman, Wm., New Castle, Ind.

Elliott, W. H., Brighton, Mass.

Hill, The E. G. Co., Richmond, Ind.

Jensen & Dekema, 674 W. Foster Ave., Chicago.

Muskogee Carnation Co., Muskogee, I. T.

Peacock Dahlia Farms, Atco, N. J.

Poehlmann Bros. Co., 35-37 Randolph St., Chicago.

Reinberg, Peter, 51 Wabash Ave., Chicago.

Sinner Bros., 60 Wabash Ave., Chicago.

Weiland & Risch, 59 Wabash Ave., Chicago.

Wietor Bros., 51 Wabash Ave., Chicago.

Wilcox, J. F., Council Bluffs, Iowa.

Wittbold, Geo. Co., 1657 Buckingham Place, Chicago.

RETAIL CUT FLOWERS.

Atlanta Floral Co., 41 Peachtree St., Atlanta, Ga.

Bertermann Bros. Co., 241 Massachusetts Ave., Indianapolis, Ind.

Blackistone, 14th and H Sts., N. W., Washington, D. C.

Boland, J. B. Co., 47-49 Geary St., San Francisco.

Breitmeyer's Sons, John, cor, Miami and Gratiot Aves., Detroit, Mich.

Cooke, George H., Connecticut Ave. and L St., Washington, D. C.

Daniels & Fisher, Denver, Col.

Donohoe, W. H., 2 W. 29th St., N. Y.

Eyres, H. G., 11 N. Pearl St., Albany, N. Y.

Gude, A. & Bro., 1214 F St., Washington, D. C.

Hansen, Mrs. M. A., Galveston, Tex.

Hauswirth, P. J., Audit. Annex, Chi.

Hess Q Swoboda, 1415 Farnum St., Omaha, Neb.

Holm & Olson, St. Paul, Minn.

Keller, J. B., Sons, 25 Clinton St., Rochester, N. Y.

Kellogg, Geo. M., 906 Grand Ave., Kansas City, Mo.; also Pleasant Hill, Mo.

If you do not find what you need in our Ready Reference Department, write us about it.

Lange, A., 40 E. Madison St., Chicago.

Livingston Seed Co., Columbus, O.

Matthews, 16 W. 3rd St., Dayton, O.

Mayberry & Hoover, 1339 14th St., N. W., Washington, D. C.

Miller, Theo., 4832 Delmar Blvd., St. Louis, Mo

Mills The Florist, 36 W. Forsyth St., Jacksonville. Fla.

Murray, Samuel, Coates House Con., 1017 Broadway, Kansas City, Mo.

Park Floral Co., The, Denver, Col.

Palmer's, Buffalo, N. Y.

Schulz, J., 644 4th Ave., Louisville, Ky.

Virgin, Uriah J., 833 Canal St., New Orleans, La.

Weber, Fred C., 4320-28 Olive St., St. Louis, Mo.

Wilcox, J. F., Council Bluffs, Iowa.

Wilson, Robt. G., Fulton St. and Greene Ave., Brooklyn, N. Y.

BOILERS.

Boilers, improved greenhouse boilers, made of best material; shell firebox sheets and heads of steel; water space all around (front, sides and back). Kroeschell Bros. Co., 45 Erie Street, Chicago.

Boilers, Gurney heaters, heat by steam or hot water. Gurney Heater Mfg .Co., 111 5th Ave., New York; 74 Franklin St., Boston.

Boilers, the Burnham boilers, made for greenhouse heating. Lord & Burnham Co., 1133 Broadway, New York.

Boilers, corrugated, fire box and sectional, greenhouse heating. Hitchings & Co., 1170 Broadway, New York.

Boilers, boilers of high grade for greenhouses. Steam and hot water. Giblin & Co., Utica, N. Y.

Boilers of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Boilers, water tube steam boilers. King Construction Co., N. Tonawanda, N. Y.

Boilers, write for prices. Johnston Heating Co., 1133 Broadway, N. Y.

Boilers, Myers & Co., 1122 Betz Bldg., Philadelphia.

BOXES.

Cut Flower Boxes, water-proof; corner lock style. No charge for printing on orders above 250 boxes. Livingston Seed Co., Columbus, O.

Cut Flower Boxes; send for prices. Edwards Folding Box Co., Philadelphia, Pa.

BUILDING MATERIAL.

Building material, lumber for greenhouse benches. Ship lap, drop siding, sheathing, flooring, white cedar posts, etc. We are in special position to furnish "Pecky Cypress"; everything in pine and hemlock building lumber. Adam Schillo Lumber Co., cor. Weed and Hawthorne Sts., Chicago.

Building Material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouses and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building Material, cypress sash bars, Tennessee red cedar posts, pecky cypress benches, hotbed sash and frames, ventilating apparatus, pine, fittings and all supplies needed in new or reconstruction work. Foley Mfg. Co., 471 W. 22d St., Chicago.

Building Material, cypress sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 111-125 Blackhawk St., Chicago.

Building Material. Our designs embody best features of greenhouse construction. Best grade gulf cypress used. Red cedar posts, iron fittings, hotbed sash. Lockland Lumber Co., Lockland, Ohio.

Building Material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 617 Sheffield Ave., Chicago.

Building Material for U-Bar greenhouses. Pierson U-Bar Co., Metropolitan Bldg., 4th Ave. and 23d St., N. Y.

Building Material of all descriptions, cold frames, hotbed sash, etc. Lord & Burnham Co., 1133 Broadway, N. Y.

Building Material, cold frames, hotbed sash of every description. Hitchings & Co., 1170 Broadway, New York.

Greenhouse materials of all kinds for greenhouse heating. Johnston Heating Co., 1133 Broadway, New York.

Building Material of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Building Material of all kinds. S. Jacobs & Sons, 1365-79 Flushing Ave., Brooklyn, N. Y.

CONCRETE MACHINES.

Ideal Concrete Machines for concrete block construction. Ideal Concrete Machinery Co., South Bend, Ind.

CUT FOLWER HOLDER.

The Anglais table decoration, made in sections, can be adjusted to any form desired. "Japana" flower holder, 4½-in., 50c; 3½-in., 35c; 2½-in., 25c. M. V. Garnsey, 131 So. Waiola Ave., La Grange, Ill.

FERTILIZERS.

A sample 100-lb. bag of BLATCHFORD'S PLANT GROWER AND LAND RENOVATOR FERTILIZER only $2.75. It is composed solely of pure Rose Growers' Bone Meal, Nitrate of Soda, Peruvian Guano, Sulphate of Ammonia, Sulphate of Potash and Gypsum, in the correct proportions. For benches and potting plants, roses, carnations, lilies, 'mums, etc., it has never been surpassed. Address

THE BARWELL AGRICULTURAL WORKS,
WAUKEGAN, ILL.

Est. at Leicester, England, in 1800.

Wizard Brand pulverized sheep manure. The Pulverized Manure Co., 32 Exchange Ave., Chicago.

GLASS.

Glass importers and jobbers; greenhouse glass a specialty. Window glass. James H. Rice, corner Michigan, St. Clair and Illinois Sts., Chicago.

Glass, plate and window glass, greenhouse glass a specialty. Sprague-Smith Co., 167-169 Randolph St., Chicago.

Glass, a lot of 16x18 A and B double strength at low price. A. Dietsch Co., 617 Sheffield Ave., Chicago.

Glass, window glass. Greenhouse glass a specialty. H. M. Hooker Co., 59 W. Randolph St., Chicago.

Glass, French and American "White Rose" brand. Stenzel Glass Co., 2 Hudson St., New York.

Glass, all sizes. Metropolitan Material Co., 1398 Metropolitan Ave., Brooklyn, N. Y.

Glass, all kinds and sizes. Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.

Glass, special greenhouse. G. F. Reynolds, Durhamville, N. Y.

GLAZING POINTS.

Glazing Points, see the point? Holds glass firmly. Peerless glazing points are the best. No rights or lefts. Box of 1,000 points, 75c, postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

GOLD FISH.

Gold Fish, Comets, Japanese Fantails, Fringetails, Telescopes, etc. Fish globes and aquariums. The J. M. McCullough's Sons Co., 316 Walnut St., Cincinnati, O.

Goldfish aquaria and aquarium supplies. Fred. Kaempfer, 88 State St., Chicago.

GREENHOUSE CONSTRUCTION.

Greenhouse Construction, builders of greenhouses for private estates, institutions, parks, etc. Pierson U-Bar Co., Metropolitan Bldg., 4th Ave. and 23d St., New York.

Greenhouse Construction, sash bar greenhouses. New Truss construction and iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse Construction, builders of every type of greenhouses; the most modern designs. Hitchings & Co., 1170 Broadway, N. Y.

Greenhouse Construction, builders of modern greenhouses. Myers & Co., 1122 Betz Bldg., Philadelphia.

GUTTERS.

Gutters, Jennings, improved iron gutters. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

Gutters, Garland's gutters will keep snow and ice off your glass. A sample of our gutter is on exhibition at Chicago Flower Growers' Market. Geo. M. Garland, Des Plaines, Ill.

Gutters, Lord & Burnham Improved V-shape gutter, with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

Gutters, new duplex gutter, only drip-proof gutter on the market. E. Hippard, Youngstown, O.

IMMORTELLES.

Immortelles, bright scarlet and other colors for Xmas trade. Buy now. Dozen bunches, $2.75; 50 bunches, $11. Barteldes Seed Co., Denver, Col.

INSECTICIDES.

Insecticides, Nicoteen Aphis Punk, 60c per box 12 sheets; $6.50 per case of 12 boxes. Nikoteen Liquid, $1.50 per pint; $13 per case of 10 pints. Nicotine Mfg. Co., St. Louis, Mo.

Insecticides, tobacco paper, 24 sheets, 75c; 144, $3.50, 288, $6.50; 1,728, $35.10. Nico-Fume Liquid, ¼ pint, 50c; pint, $1.50; ½ gal., $5.50; gal., $10.50; 5 gal., $47.25. Kentucky Tobacco Product Co., Louisville, Ky.

Wilson's Plant Oil, for scale and insects, ½ pt., 25c; pt., 40c; qt., 75c; ½ gal., $1.25; gal., $2; 5 gals., $9. Andrew Wilson, Summit, N. J.

Fumigating Supplies, vaporizing pans for tobacco extract, improved. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

Fumigating supplies, tobacco stems, 300 lb. bales, $1.50. W. C. Beckert, 103 Federal St., Allegheny, Pa.

Insecticides, Carman's Antipest insecticide and fungicide, $1.50 per gal. Perfection Chem. Co., Flushing, N. Y.

Insecticide, Nicoticide, Bug Killer, the best bug killer and bloom saver. P. R. Palethorpe Co., Louisville, Ky.

Fumigating Supplies, tobacco dust for fumigating. Edwin L. Koppelman & Co., 81 Pine St., New York.

Fine, pure tobacco dust $2 per cwt.; $30 per ton. Wm. C. Smith & Co., St. Louis, Mo.

Fumigating Supplies, tobacco powder and stems. The H. A. Stoothoff Co., 116 West St., New York.

LAWN MOWERS.

Lawn Mower. The Clipper lawn mower, No. 1, 12-in., $5; No. 2, 15-in., $6; No. 3, 18-in., $7; No. 4, 2-in., $8. Draft, money order or reg. letter. Clipper Lawn Mower Co., Dixon, Ill.

METAL DESIGNS.

Metal signs, send for prices. A. Herrmann, 404-12 E. 34th St., New York.

MISCELLANEOUS.

Florists' overdue accounts and bad debts collected by the National Florists' Board of Trade, 56 Pine St., N. Y.

Engravings, best engravings and illustrations of every description for catalogues. Send for estimates. Globe Eng. & Elec. Co., 427 Dearborn St., Chicago.

If you do not find what you need in our Ready Reference Department, write us about it.

Printing, large runs of catalogues a specialty. Write for figures. Regan Printing House, 89-91 Plymouth Place, Chicago.

PAINT, PUTTY, ETC.

Paint, Ideal Greenhouse Lead; Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, N. Y.

Paint, Putty, etc. H. M. Hooker Co., 59 W. Randolph St., Chicago.

Paint, Putty, etc. The Jas. H. Rice Co., 80-82 Wabash Ave., Chicago.

PIPE, FITTINGS, ETC.

Pipe, iron fittings, etc., galvanized iron sash hinges, screw eyes, screw hooks, U bolts, galvanized iron buckles and wires. Fittings for purlin and ridge supports. Foley Mfg. Co., 471 W. 22d St., Chicago.

Iron Fittings, patent iron bench fittings and roof supporters. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

Pipes, valves, fittings of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

A Bargain, 4-in. cast iron pipes, 5 foot lengths at 12c per foot. C. C. Pollworth Co., Milwaukee.

Iron Fittings, etc.; send for prices. Lockland Lumber Co., Lockland, O.

POTS, PANS, ETC.

Pots, standard flower, 1½-in., $2.77 per 1,000; 2-in., $3.33; 2½-in., $3.88; 3-in., $5.27; 3½-in., $6.10; 4-in., $7.77; 4½-in., $10; 5-in., $13.60; 6-in., $22.20; 7-in., $4 per 100; 8-in., $6; 9-in., $8.88; 10-in., $13.33; 12-in., $22.22; 14-in., $38.88; 16-in., $66.66; 20-in., $1.25 each. Azalea pots and bulb pans same price. 2x2½-in rose pots, $3.50 per 1,000. A. F. Kohr, 1521 N. Leavitt St., Chicago.

Pots, standard, seed pans, cut flower cylinders, hanging baskets, lawn vases, etc. Hilfinger Bros. Pottery, Ft. Edward, N. Y.

Pots, standard flower pots. The Whildin Pottery Co., Philadelphia, Pa.; Jersey City, N. J.; Long Island City, N. Y.

Pots, before buying write for prices. Geo. Keller & Son, 361-63 Herndon St., near Wrightwood Ave., Chicago.

Pots, red standards, full size and wide bottoms. Detroit Flower Pot Mfy., 490 Howard St., Detroit, Mich.

Pots, red standard, azalea pots. The Keller Pottery Co., 213-223 Pearl St., Norristown, Pa.

Pots, red standard. Paducah Pottery Co., Paducah, Ky.

Pots, all sizes. Ionia Pottery Co., Ionia, Mich.

Pots, Syracuse, red. Syracuse Pottery Co., Syracuse, N. Y.

Pot hangers, Kramer's $1 doz. by exp., $1.25 by mail. I. N. Kramer & Son, Cedar Rapids, Ia.

RAFFIA.

Raffia, samples free if you mention the American Florist. Large assortment of colors. R. H. Comey Co., Camden, N. J., 810-24 Washburn Ave., Chicago.

The Best Way to Collect an Account

is to place it with the

NATIONAL FLORISTS' BOARD OF TRADE, 56 Pine St., New York.

Why? Because many debtors will pay the Board, fearing otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.

Gold Fish Aquaria

and Aquarium Supplies.

Write for catalogue.

FRED KAEMPFER

88 State Street, CHICAGO, ILL.

SUPPLIES.

Red Bells, bright color tissue paper, 6-in., best seller, 60c per doz.; gross, $5. Other sizes in proportion. We have the goods. Write us. Barteldes Seed Co., Denver, Col.

Supplies and novelties of all kinds. J. Stern & Co., 125 N. 10th St., Philadelphia.

Supplies, flower baskets, novelties. Riessner Bros., Lichtenfels, Bavaria.

L. BAUMANN & CO.,

Importers and Manufacturers of

Florists' Supplies

76-78 Wabash Ave., CHICAGO.

Write for our New Catalogue F. Our prices may interest you.

The Regan Printing House

LARGE RUNS OF

CATALOGUES —OUR— SPECIALTY

WRITE FOR FIGURES.

83-91 Plymouth Place, CHICAGO.

EVANS' IMPROVED CHALLENGE VENTILATING APPARATUS

WRITE FOR ILLUSTRATED CATALOGUE

QUAKER CITY MACHINE WORKS. RICHMOND, IND.

...REMOVAL NOTICE...

Herewith we would like to advise the trade in general and our friends in particular, that we have removed our place of business to

125 North Tenth Street,

ABOVE ARCH STREET.

Thanking you for your past favors and hoping for the continuance of the same in the future, especially as we will be able with more accommodation and with a larger stock to fill your orders more promptly than heretofore. We are Yours very truly,

Philadelphia, Pa. **J. STERN & CO.**

A HOLLY WREATH

FOR HOLIDAY CIRCULARS AND ADVERTISING : : : :

Plates for printing this fine Holly Wreath in two colors—green leaves and red berries and ribbon—$5.00 per set of two plates.

Smaller size, 2x2½ inches, $3.00 per set of two plates.

Plate of above sizes for one color, $2.70. The smaller size, one color, $1.50.

Cash with order.

American Florist Company,

324 Dearborn Street, CHICAGO.

If you do not find what you need in our Ready Reference Department, write us about it.

Owing to the great strength of the U-Bars, we are enabled to space the glass 24 inches—give a curved eave line free from all ugly gutters to shade. U-Bar Greenhouses are the best greenhouses built because no other construction can use 24-inch glass successfully, none has made practical the curved eave line. **Pierson U-Bar Company, Designers and Builders, U-Bar Greenhouses,** Metropolitan Building, 4th avenue and 23rd street, New York.

GLASS

GOOD BRANDS.
QUICK SHIPMENTS.
LARGE STOCK.

Warehouse on railroad switch. **Be Sure and Get Our Prices.**

SHARP, PARTRIDGE & CO.,
22nd and Lumber Sts., CHICAGO.

Please mention the American Florist when writing.

WINANDY BROS.

Greenhouse Builders,

3730 N. Lincoln Street, Rogers Park Station, **CHICAGO.**

Write for our estimates.

N. TONAWANDA, N. Y. TORONTO, ONT.
KING CONSTRUCTION CO.
GREENHOUSE CONSTRUCTION AND EQUIPMENT
WRITE FOR CATALOGUE AND PRICES

GREENHOUSE LUMBER

FIRST QUALITY. **STRICTLY CLEAR.**

LOUISIANA GULF CYPRESS.

For **GREENHOUSE** purposes nothing surpasses our material either in durability, or in excellence of workmanship.

PRICES REASONABLE.

QUICK SERVICE IS ASSURED IN FILLING ALL ORDERS.

Hotbed Sash, Cedar Posts, Iron Fittings, Bench Material.

LOCKLAND LUMBER CO.
LOCKLAND, O.

Please mention the American Florist when writing.

AT THE CHICAGO SHOW

The Test of Products Was Demonstrated.

Which were the ones awarded the most prizes? Nine out of ten who received prizes were florists and growers whose houses were built with our material. The test of the products always proves our claim that no better material or construction is to be had in America. Whatever has been your success in the past we are sure you can do better with our material, and we want you to write us for more information about our construction. Our plans are made so that any ordinary florist can easily put up his house correctly, and our material is cut so accurately that there is no necessity for fitting it in place with the help of an experienced mechanic. Prize plants are money makers, and you should know something about the kind of houses in which the best stock is grown.

Write us and we shall be pleased to talk matters over further, giving your letter our very best attention. Send for our circular, which tells the history of cypress and why it is the best wood for greenhouse construction—then let us estimate on your needs and tell you why it pays to pay for quality.

John C. Moninger Co.
113 E. Blackhawk St., CHICAGO.

Please mention the American Florist when writing.

GARLAND'S GUTTERS
WILL KEEP SNOW AND ICE OFF YOUR GLASS.
DES PLAINES, ILL.
SEND FOR CATALOGUE.

A Section of our Gutter is on Exhibition at the Chicago Flower Growers' Market.

GREENHOUSE HEATING

Complete heating plants erected or materials furnished with working plans. Write for prices on **BOILERS.**

JOHNSTON HEATING COMPANY,
St. James Building, 1133 Broadway, NEW YORK.

For Best Results advertisers should mail new advertisements so as to reach us Monday.

THE AMERICAN FLORIST

America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXVII. **CHICAGO AND NEW YORK, NOVEMBER 24, 1906.** **No. 964**

THE AMERICAN FLORIST

TWENTY-SECOND YEAR.

Copyright 1906, by American Florist Company. Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

324 Dearborn St., Chicago.

Eastern Office: 1133 Broadway, New York.

Subscription, $1.00 a year. To Europe, $2.00. Subscriptions accepted only from the trade.

Volumes half yearly from August 1904.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—WM. F. KASTING, Buffalo, N. Y., president; H. M. ALTICK, Dayton, O., vice-president; W. J STEWART, 11 Hamilton Place, Boston, Mass., secretary; H. M. BEATTY, Pittsburg, Pa., treasurer. Twenty-third annual meeting at Philadelphia, Pa., August, 1907

OFFICERS-ELECT—WM. J. STEWART, Boston, Mass., president; JOHN WESTCOTT, Philadelphia, Pa., vice president; P. J. HAUSWIRTH, Auditorium Annex, Chicago, secretary; H. B. BEATTY, Pittsburg, Pa., treasurer.

INTERNATIONAL EXHIBITION—A grand international exhibition will be held with the annual convention at Chicago, November, 1908.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual convention and exhibition at Chicago, November 6-12, 1906. WM. DUCKHAM, Madison, N. J., president; DAVID FRASER, Penn and Homewood Ave., Pittsburg, Pa., secretary.

AMERICAN ROSE SOCIETY.

Annual meeting and exhibition at Washington, D. C., March 13-15, 1907. ROBT. SIMPSON, Clifton, N. J., president; BENJAMIN HAMMOND, Fishkill-on-Hudson, N. Y., secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention and exhibition at Toronto, Canada, January, 1907. JOHN H. DUNLOP, Toronto, Canada, president; ALBERT M. HERR, Lancaster, Pa., secretary.

THE AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

Annual convention at Toronto, Ont., 1907. BYRON D. WORTHEN, Manchester, N. H., president; F. L. MULFORD, Harrisburg, Pa., secretary.

AMERICAN PEONY SOCIETY.

Third annual meeting and exhibition at Ithaca, N. Y., 1907. C. W. WARD, Queens, N. Y., president: A. H. FEWKES, Newton Highlands, Mass., secretary.

Contents, page 848.

Advertising Rates, 848.

Index to Advertisers, 876.

Ready Reference Advts., 877.

Florists' Forcing Bulbs and Roots.

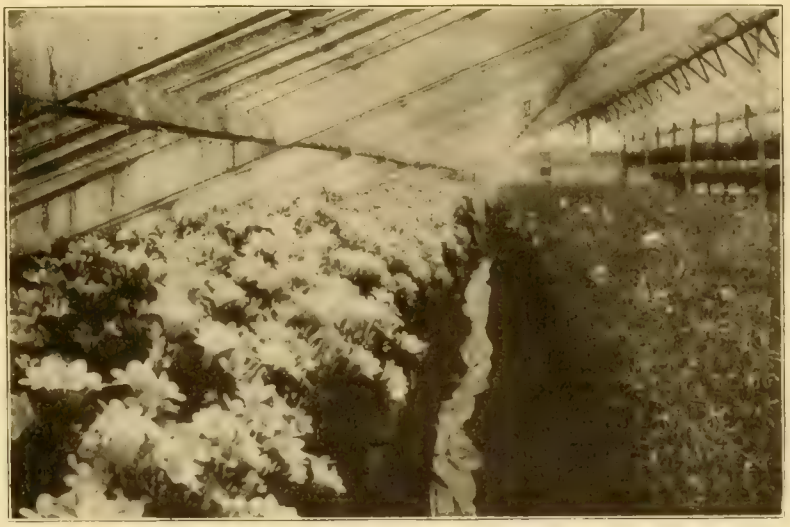
Copyright 1906 by the American Florist Company.

IX.—FREESIAS.

The unusual interest in the culture of freesias, as shown in late years, has led to a clearer understanding as to their requirements, and to a fuller recognition of their merits as subjects for forcing. Growers of bulbous stock were not slow in discovering the vital points in their culture, nor in finding out that handsome profits might be realized by going into it somewhat more extensively than has been the practice heretofore. Until lately freesias have played but an insignificant part in establishments exclusively devoted to the production of cut flowers.

Grown as a by-and-between-crop, planted in scattered rows and batches among other plants, or grown in shallow flats, densely crowded and often allowed to become dust-dry, they were not given an opportunity to show their fine qualities as producers of choice blooms. In the hands of the retail plant grower freesias fared better, for they are excellent subjects for pot culture, not over exacting as to treatment and most attractive, when in bloom.

About a dozen of the little bulbs are planted in a 6-inch pot, kept constantly moist but are not covered with earth or ashes, as is necessary with hyacinths, tulips or most other bulbs, to encourage root formation. When top growth shows it is time to place the pots on a raised staging or shelf in a well lighted house. Regularly attended to as regards watering, staking and tying, they will be at their best in January or February, if grown in a temperature of about 50° at night with a few degrees higher in the daytime. Under this method fairly good spikes for cutting may also be raised and as a venture in a small way the pot treatment answers the purpose very well. However, freesias, as a highly profitable cut flower crop,



A BENCH OF FREESIA PURITY AT RUDOLPH FISCHER'S GREAT NECK, L. I.

must be grown in benches, all by themselves, and under the surveillance of a painstaking grower. This, as is the case with all other cut flower crops of some consequence, is essential to entire success. This granted, it will be found that the culture of freesias is one of the easiest and most simple.

The bulbs, or rather corms, of freesias are among the first arrivals in the bulb line. If they are planted as soon as obtainable, all the better will be the output of flowers in midwinter. This is of greater importance than the purchase of unusually large corms. A sunny bench in an intermediate house should be chosen for freesias. Temperature has all to do with bringing them into bloom early or late and the time of planting plays no part in this. Freesias grown in an average temperature of 40° bloom in early spring, while those in a heat 10° higher will flower after Christmas, some time in January.

A well composted mixture of three parts well broken-up sod and two parts decayed manure with some sharp sand and a sprinkling of air-slaked lime added, is a good soil for freesias. The corms are pressed into the loose soil to a depth that brings their tops a full inch below the surface. Two inches in the row and six inches between rows are the right distances at which they should be planted. A planting of a number of bulbs together in evenly spaced clusters has its advantages, rendering the stringing of the bed and the cutting of flowers more convenient. A heavy watering will settle the soil, which must be kept in a moist condition right along from the start. E.

CHRYSANTHEMUMS

Chrysanthemum Emily Smith.

Quite an interesting little history is given of this new chrysanthemum in the Chicago Examiner. It was raised by Alois P. Frey, head gardener at Lincoln park, and named after the young daughter of P. H. Smith, Jr., of the Chicago post office. Miss Emily Smith, as her custom is, was enjoying a ramble in Lincoln park early last spring, when she espied her first wild flower, a hepatica peeping through the snow and took it to the genial Alois, who with characteristic kindness has named his new seedling after her.

Early Varieties.

We notice in your issue of November 10, on page 741, under the head of "Notes on Varieties" by G. T., several of our latest chrysanthemum novelties are referred to and hence beg to make a few comments.

It is evident G. T. is laboring under the wrong impression when he refers to Venetta as a yellow. It is a pure white very closely incurved and of good size. Doubtless this is a case of mistaken identity.

As to Mayor Weaver, under our cultivation, it fully equals Dr. Enguehard in size and is decidedly an improvement in color. We also notice he is inclined to retract his complimentary reference to October Frost, which appeared in your issue of October 6. G. T. has not given his time and energy to chrysanthemum growing all these years without fully appreciating the fact that bringing all varieties to perfection is quite a problem, and the best of us do not always succeed. We feel safe in assuring him that October Frost will give a good account of itself another season and may be cut the last days of September, the largest white at that time.

As to Pres. Roosevelt, we are not all growing flowers for the wholesale market, and in this connection will say a very delicate pink is one of the best selling colors over the retail counters. It can be grown as large as Col. D. Appleton and when planted by June 10 may be cut with a three foot stem. We sincerely believe G. T. will make a serious mistake in discarding these varieties without further trial. We are all inclined to draw our conclusions too soon. He possibly has forgotten

Chrysanthemum President Roosevelt.

that Ivory had been sent out three years before its merits were fully established and the S. A. Nutt geranium was out 10 years before it became popular.

NATHAN SMITH & SON.

Chrysanthemum Society of America.

EXAMINING COMMITTEES.

President Duckham has announced the committees to examine seedlings and sports on dates as follows: October 6, 13, 20, 27 and November 3, 10, 17 and 24, 1906. Exhibits, to receive attention from the committees, must in all cases be prepaid to destination and the entry fee of $2 should be forwarded to the secretary not later than Tuesday of the week preceding examination, or may accompany the blooms. Special attention is called to the rule requiring that sports to receive a certificate must pass three committees.

New York, Eugene Dailledouze, chairman, 55 and 57 West Twenty-sixth street, Thos. W. Head and Wm. Turner.

Philadelphia, Pa., A. B. Cartledge, chairman, 1514 Chestnut street, John Westcott and Wm. K. Harris.

Boston, Mass., E. A. Wood, Chairman, Wm. Nicholson and James Wheeler. Ship flowers to Boston Flower Market, care of John Walsh.

Cincinnati, O., R. Witterstaetter, chairman, James Allen and Wm. Jackson. Ship flowers to Jabez Elliott Flower Market, care of janitor.

Chicago, J. S. Wilson, chairman, J. B. Deamud and Geo. Wienhoeber. Ship flowers care of J. B. Deamud, 51 Wabash avenue.

OFFICIAL JUDGING SCALES.

The official scales of the society are as follows:

FOR COMMERCIAL PURPOSES.

Color	20
Form	15
Fullness	10
Stem	15
Foliage	15
Substance	15
Size	10
Total	100

FOR EXHIBITION PURPOSES.

Color	10
Stem	5
Foliage	5
Fullness	15
Form	15
Depth	15
Size	35
Total	100

Chicago, November 10. Miss Clay Frick, white sport of Duckham, exhibited by C. H. Totty, scored 91 points commercial scale.

Chicago, November 10. Mlle. E. Cleabaune, pink, exhibited by E. G. Hill Co., scored 89 points commercial scale.

Chicago, November 10. Incandescent, bronze and gold, exhibited by E. G. Hill Co., scored 86 points commercial scale.

Chicago, November 10. Mlle. Semon Jossier, cream white, incurved, exhibited by E. G. Hill Co., scored 89 points commercial scale.

Chicago, November 10. Dubuisson Foubert, light yellow, reflexed, exhibited by E. G. Hill Co., scored 87 points exhibition scale.

Chicago, November 10. Alice Roosevelt, cream white, exhibited by E. G. Hill Co., scored 89 points commercial scale.

Chicago, November 10. Detroyat, silvery pink, reflexed, exhibited by E. G. Hill Co., scored 89 points exhibition scale.

New York, November 10. General Picquart, lilac silver, reverse, Japanese incurved, exhibited by Howard Nichols, Yonkers, N. Y., scored 85 points commercial scale and 85 points exhibition scale.

Philadelphia, November 12. Sadie May Stremler, sport of Queen, light yellow, incurved, exhibited by J. S. Stremler, Princeton, Ky., scored 84 points commercial scale.

Philadelphia, November 17. Golden Dome, sport of Yellow Eaton, yellow, Japanese incurved, exhibited by John A. Macrae, Providence, R. I., scored 89 points commercial scale and 86 points exhibition scale.

New York, November 17. Golden Dome, sport of Yellow Eaton, a decided improvement on parent, both in color and form, exhibited by John A. Macrae, Providence, R. I., scored 89 points commercial scale.

Cincinnati, November 17. No. 34-3-05 Daybreak, pink, Japanese incurved, exhibited by Nathan Smith & Son, Adrian, Mich, scored 83 points commercial scale.

DAVID FRASER, Sec'y.

JANESVILLE, WIS.—Landscape gardening on an extensive scale is contemplated in connection with the new mansion to be built by Herman E. Dick in the Rock river district.

THE CARNATION.

Carnation Robert Craig in England.

The above new variety has crimson-scarlet, fragrant, fringed flowers three inches to four inches in diameter and perfectly double. It is quite a new variety even in America, and we felt quite sure it would soon reach our shores. An award of merit was accorded it by the Royal Horticultural Society on October 23, when shown by Hugh Low & Co., Bush Hill Park, Middlesex, and William Cutbush & Son, Highgate, London.—Gardening World.

Seasonable Notes.

From now on the carnations will require winter treatment, and every possible attention in the way of watering, feeding and ventilation, to avoid any possible check to the plants. Any set back to the plants at this time of the year may prove disastrous and require a long time to make good. Most of the standard varieties of carnations require a temperature of 50° to 52° at night, allowing a rise to 60° to 64° by day when bright. We have several varieties, including all the Lawsons, that really require a night temperature of 54° to 56° to be grown to the best advantage, but above all an even temperature must be maintained at all times, as a sudden drop is most harmful to the plants, causing a fifty per cent increase of split calyces.

Propagating can be successfully done after November 1, but the advisability of starting that early depends entirely upon whether you intend propagating just for home use, or for the wholesale market. In propagating for home use only, January 1 is early enough to commence, cuttings put in before then taking up valuable bench space as well as time. They are also more likely to get too large and pot bound before planting time in May. Cuttings put in the sand any time in January and the early part of February are without question the most desirable stock, and if they are kept moving from then on, better plants will result than from earlier striking and two months labor will have been saved, besides the bench space. Of course with the good novelties one does not feel like throwing the cuttings away at any time, and it may be advisable to use them at any time after November 1.

When propagating carnations I would impress the importance of the following point. When taking the cuttings those located on the upper and middle part of the stems are the most desirable; have a basket or small box and put the cuttings in this as they are taken from the plants, keeping them well sprinkled all the time. When making them, never cut anything from the tops, unless they are very large and soft, in which case it is advisable to trim them a little to prevent them wilting too badly the first week or two. Remove a few of the lower feathery leaves on them carefully, and cut the heel slightly with a sharp knife, not removing it entirely as that would lessen the value of the cutting.

The propagating bench can be built in different ways, and with perhaps equally good results, if properly attended to, but the brick bottomed bench is giving more satisfaction than any other. An ordinary board bottom, or, as some have it, with fine cinders, or even an inch or two of soil in the bottom of the bench, and from three to four inches of sand on top of same is perhaps as good a way as any. The sand should be packed quite solid, and the cuttings put in the sand about ¾ inch deep and 1½ to 2 inches between the rows according to the size of the cuttings; in the rows they can be put as close as possible, as long as they do not touch one another. Give them a good watering in as soon as they are planted, and after that a light syringing once or twice a day on bright days so they will not get a chance to wilt. The cuttings need all the light they can get, but no direct sun, so they must be shaded, a good way to accomplish this being to use some heavy cheese cloth or canvas, resting on wires up under the glass, as same can be pulled up and down quickly to give the cuttings the full benefit of the light when there is no sunshine.

Opinions differ greatly as to the advisability of bottom heat under a propagating glass. Personally I am in favor of as little bottom heat as possible, and there is no question but that the cuttings that are rooted with very little or no bottom heat are far superior to any that are rooted in a high temperature. The temperature in the propagating house should be 48° to 50° at night and the sand should never be more than 57° to 58°; air quite freely but avoid draft in the propagating house.

J.

NATHAN SMITH & SON'S NEW CHRYSANTHEMUM, DAKOMA.

THE ROSE.

Suggestions for November.

The chrysanthemums from now until and including the Thanksgiving will be very much in evidence. As winter approaches, the days naturally become much shorter, and we must use about as much artificial heat as sun heat. This calls for careful syringing and ventilating.

A little judicious pruning can now be done, cutting out all the useless wood at the base of the plants and some of the stunted, blind wood throughout. Do not prune any wood carrying good healthy foliage, and do not put a green employe at this work, at least not until he can follow directions. This light pruning enables one to tie the plants to a better advantage, as no useless tying has to be done. Tie the plants carefully now in order to allow the soil all the sunshine possible and the plants as much air circulating through them as they can get.

Do not neglect the disbudding and so allow the lateral buds to sap the strength of the main flower. Break the side shoots out as soon as they can be handled without injury to the crown buds.

It is yet rather early to apply liquid manures to any but the very earliest planted young stock, and the carried-over roses. Those planted in July unless they have made an unusual amount of growth are better cared for by applying a light mulch of well rotted cow

or sheep manure, finely pulverized. American Beauty requires a much heavier mulch than the tea roses and almost thrice the amount of feeding in any form. In a few weeks we can use the liquid fertilizer to a better advantage, as the watering can be done more uniformly when there is no heavy topdressing.

One must make the most careful examination of the soil daily to be able to water evenly now that firing has begun in earnest. Those pipes under the tables will bear watching as they are seldom the same distance from the tables the whole length of the houses. Therein lies the difficulty of watering. Also keep an eye on the corners and keep the sides of the tables from leaving the soil by pressing the edges of the soil firmly against them, else much of the water will run off without doing much good. This is liable to occur on old tables where the sides have decayed somewhat.

The solid beds will require very little water, as a rule, from now on, as there is very little evaporation in a house devoted to roses grown in this manner, syringing in most cases being all that is necessary. There are exceptions though, very light soil being one, and shallow soil on deep, open drainage, and bottom-heated solid beds being others. These of course will require special watering to suit the construction, and the grower must be able to use his judgment, knowing the construction and kind of soil used.

To sum it up for this month, we cannot be too painstaking in order to prepare our plants for the dark days to come, and by no means allow them to become drawn or show that much-forced, soft looking growth at this season. Keep the night temperature even and give the plants all the air they can stand. As long as the houses are heated to 75° the amount of air allowed them on clear days need not be limited. Avoid sudden changes in the temperature at all times.

E.

An Abnormal Cattleya.

ED. AMERICAN FLORIST:—

I send you a print of a remarkably fine Cattleya labiata which has just bloomed with me for the first time. It came in a large importation we got two years ago. The plant has only one lead with a spike of three flowers. The color is very deep purple and the strangest part is that the two petals on each flower have the identical markings of the throat, in fact it looks as if each flower had three lips. The print only shows slight markings on the right hand flower; this is the oddest and rarest looking cattleya that has flowered in our immense collection.

J. I.

[The reproduction of the lip markings on the petals is of rare occurrence in orchids but not unique. The same thing occurs in a rare variety of Lælia purpurata and the plant has considerable money value on that account. Strictly speaking the plant has sported just as a rose or other plant often does but with the orchid there is every probability of the sport or freak remaining constant. We advise the keeping of the plant for another year at any rate, giving it careful attention. We would also like to see a flower of it.—ED.]

WITH THE GROWERS

Poehlmann Bros., Morton Grove, Ill.

Commenced just over 20 years ago in the smallest way as a general plant growing place, Poehlmann Bros.' business has gradually reached its present high position. Showing how the place has been kept up to date it may be mentioned that not one of the 80 or so large houses now planted were standing six years ago. All are new and up-to-date in fitting and equipment, and in many ways they are unique.

An excellent system of steam heating is used, in which all condensed water is drawn back to the boilers by vacuum pumps. As a result the return steam pipes can be taken overhead to the boilers, allowing the walks to be free beneath so that cement concrete can be laid. This makes a really excellent walk for the houses, lasting and clean, and the excellent system of walks is a notable feature of this fine place. Another great advantage of the vacuum system is that much less pressure is needed to go around the very long lengths of pipe necessitated by modern greenhouse construction. It is a splendid and complete success, of which Poehlmann Bros. are justly proud.

An Abnormal Cattleya.

The plant here is divided into two portions, A and B. One of the finest carnation sections, if not the finest, in the world is included in plant A. There are:

7 houses 27 by 500 feet.
3 houses 27 by 600 feet.
2 houses 27 by 350 feet.
2 houses 27 by 150 feet.
2 houses 27 by 125 feet.

This makes a total of nearly 250,000 square feet all under one roof, all filled with carnations in full crop, and all the plants in the very pink of condition. This section alone is worth a very long journey to see. Over 160,000 carnations are benched, the numbers of a few of the principal varieties being given:

CARNATIONS.

Lawson	68,000
Enchantress	32,000
Cardinal	12,000
Prosperity	11,000
Victory	5,500
Queen	5,000
R. Craig	2,000
Phyllis	1,000
Haines	1,000

Of kinds grown in smaller numbers there are Lady Bountiful, Glendale, Prosperity, White Enchantress, Anna Hobart, Harlowarden, Fiancee, and Mrs. Morton. One of these varieties calls for very special note. Victory according to August Poehlmann, is the finest red carnation in existence, and he doesn't speak without authority. The color is a deep bright red; the plant is so free that we counted over a dozen large flowers upon one; it can be taken with an exceptionally long stiff stem, the calyx never bursts, and, last but not least, it is perhaps the very best shipper on the market. What else can possibly be desired?

Turning from carnations to roses the same fine health is seen in the plants, similar grand houses are built for them and they are grown in immense numbers. These are given in the four principal kinds:

ROSES.

American Beauty	72,000
Bride	30,000
Bridesmaid	30,000
Richmond	28,000

The exact number of other varieties grown were not easily obtainable, but Mme. A. Chatenay, Sunrise, Perle des Jardins, Uncle John, Killarney, Kaiserin, and a beautiful deep pink sport from Mme. A. Chatenay not yet named are the principal ones grown. Altogether 125,000 of the tea scented class are benched besides the American Beauty. All the plants are on their own roots and as some of the older ones have been on the benches from three to five years and still doing well it is evident that grafted plants are not the only kind that do.

Of chrysanthemums, about 90,000 are grown, in all the best commercial varieties, and we were just in time to see grand benches of Major Bonnaffon and the white Bonnaffon, Mrs. Robinson, Dr. Englehart and Col. Appleton. Many of the flowers being cut for market were well worth a place as exhibition blooms, and there seemed to be none of that falling off to weediness that is so common in some otherwise well grown collections.

Lilium longiflorum and L. Harrisii are largely grown, about 38,000 being forced each year. A specialty is made of keeping these fine lilies always in flower by introducing them to heat in successional batches. Two benches filled with these in 4-inch pots were in the best of health, and will be a fine lot. Several benches in a lean-to section were filled with plants in flower. Besides these leading lines there are many houses filled with ferns, smilax, asparagus, lily of the valley and forced Dutch bulbs. There are some grand beds of mignonette

coming on as well as large batches of stevias for cutting.

The new portion added to plant B this year consists of 15 grand houses 27x350 feet each, all now filled with American Beauty, Richmond, sport of Chatenay and Killarney roses. These are really model houses, light and with no heavy wood or iron to obstruct the sun. All the ventilators are hung on the bottom, opening at the ridge. This is better than being hinged at the ridge for several reasons. Whatever drip there is when these are open falls on the walks and not on the benches. A little crack of air may be put on without causing a draft, just enough to keep the air moving in winter, while owing to the warm air reaching the ridge it is almost impossible for icicles to form and prevent the vents closing.

IN PLANT A AT POEHLMANN BROS., MORTON GROVE, ILL.

Center walk showing concrete floor, and return pipes vacuum system overhead.

A fine shed 35 feet high with a ground floor space of 65x175 feet has been erected at one end of these new houses. Here are two fine water-tube boilers, each of 260 H. P. and room enough has been left, and chimney accommodation provided, for three more such. For handling the coal, large buckets, each holding 1650 lbs., are taken direct to the cars, hoisted onto an elevated track here, where they are placed on swivel cars so evenly adjusted and balanced that the bucket can be tipped by the hand. Owing to the large boilers used, soft coal is found to give satisfaction, this new coal shed holding 1700 tons when full. A fine cold storage chamber is being fixed, 25x60 feet, in two sections, so that different kinds of stock can be given different temperatures as necessary. Besides this there is ample room for the vacuum pumps and the refrigerator machinery, also for getting away all clinkers and waste matter generally.

One very useful machine must not be overlooked. This is the soil chopper and mixer, a great labor saving contrivance, doing the best of work with very little hand labor. Five gallons of gasoline will run this machine for 10 hours, no skilled mechanic being needed to run it, and no watching. The soil is thrown upon canvas belts and carried to the drum; if desired to mix them, manure and soil are thrown on together. After being chopped and mixed, the soil is carried to a height of about six or seven feet so it may be either loaded on wagons or on a soil stack. It takes four men to shovel the soil onto the belts and keeps them busy, so that is is evident that if this work was carried out by hand at least 12 men would be needed. Two only of this pattern machine are used in America, this one being an improvement on the other. It represents in fact about the finest machine of its kind extant, as up-to-date as everything else is on this remarkably fine place.

SAYRE, PA.—A large stock of cuttings and propagating material have been placed in the newly repaired Lehigh greenhouses. Indications point to a successful season next year for florist Dempsey.

THE EXHIBITIONS.

The Baltimore Show.

The annual chrysanthemum exhibition of the Gardeners' Club of Baltimore was held November 13, 14, 15 and 16. As noted heretofore this exhibition was the first occupancy of the new hall of the Florists' Exchange. The judges were from the Washington Florists' Club, Wm. A. Gude, Peter Bisset and Otto Bauer having accepted invitations to act.

While there have been more extensive displays it is doubtful whether there was ever a finer exhibition here of superior grade plants and flowers than that of this season. Many of the chrysanthemums were grand flowers, illustrating the intelligence and skill of the growers. The other classes showed equal in merit. The central group of palms and decorative plants which gave distinction to the display in the upper hall was contributed by Halliday Bros. and was much admired. A handsome collection of fancy leaved caladiums from Mrs. H. B. Jacobs' greenhouses and a magnificent specimen of begonia from the same place attracted general attention.

There were some good roses in competition, though competition was not very keen in them or in carnations. F. R. Pierson's Winsor seemed to make a good impression. The only exhibitor of floral designs and bouquets was F. G. Berger, John Cook's seedling roses were shown in fine condition, and some seedling chrysanthemums of G. D. Lotz aroused enthusiasm. A splendid white is named Mrs. Robt. Halliday.

A large number of prizes had been offered by individuals and firms and they were awarded as follows:

Vase of 25 crimson chrysanthemums entered for silver cup.—Edward Hermann.

Vase 25 chrysanthemums, five blooms each distinct varieties.—G. D. Lotz.

Vase 12 blooms, distinct varieties.—G. D. Lotz, first, and C. R. Diffenderffer, (C. M. Wagner, gardener,) second.

Three vases of 12 blooms each.—G. D. Lotz, first, and C. Gregorious, second.

CHRYSANTHEMUM WHITE BONNAFFON, POEHLMANN BROS., MORTON GROVE, ILL.

Vase 12 blooms Appleton.—Mrs. James A. Gary, (M. J. Hannigan, gardener.)

Vase of 12 blooms Timothy Eaton.—Mrs. James A. Gary.

Vase 12 blooms Dr. Enguehard.—G. D. Lotz.

Vase 12 blooms grown by amateur.—J. H. Straw; certificate of merit to J. C. Legg.

The Upland premiums offered by Mrs. Henry Barton Jacobs were distributed as follows:

Four vases of six blooms each of chrysanthemums—Geo. Morrison, first; G. D. Lotz, second.

Vase 20,. white incurved blooms.—Edwin Bishop.

Vase 20 blooms, yellow incurved.—Geo. Morrison, first; Edwin Bishop, second.

The "Evergreen" premiums offered by Mrs. T. Harrison Garrett were awarded as below:

Vase 12 blooms, white.—George Morrison, first; Edwin Bishop, second; F. C. Bauer, third.

Vase 12 blooms, yellow.—George Morrison, first; I. H. Moss, second; Edwin Bishop, third.

Vase 12 blooms, pink.—George Morrison, first; F. C. Bauer, second; I. H. Moss, third.

Vase 12 blooms, crimson.—Mrs. James A. Gary.

Vase 12 blooms, bronze.—C. R. Diffenderffer, first; George Morrison, second.

Vase six blooms, white.—George Morrison, first; John Cook, second.

Vase six blooms, pink.—G. D. Lotz, first; George Morrison, second.

Vase six blooms, yellow.—George Morrison, first; I. H. Moss, second.

Vase six blooms, any other color.—George Morrison, first; M. J. Hannigan, second.

Vase 25 blooms in 25 varieties.—G. D. Lotz.

Vase not less than six blooms, white seedlings.—G. D. Lotz.

Vase of not less than six blooms, yellow seedlings.—G. D. Lotz.

A prize from J. Henry Ferguson for pompons went to Richard Vincent, Jr., & Son.

The prizes for roses were adjudged as follows:

Twenty-four Richmond. — Stevenson Bros.

Twelve American Beauty. — First, Andrew Anderson; second, Geo. Morrison.

Three vases, 12 blooms each, distinct varieties.—First, John Cook, seedlings; second, Stevenson Bros., Richmond, Killarney and Bride.

Twenty-five pink roses. — Stevenson Bros. This vase also carried off the grand sweepstake prize, the roses being finely grown Killarney.

Twenty-five white roses, Brides.—Andrew Anderson.

Twenty-five Golden Gate.—Wm. Madsen.

CARNATIONS.

Best 50 blooms, white.—P. B. Welsh; reds, Geo. Morrison; pinks, F. R. Pierson Co., for Winsor; second, Stevenson Bros., for seedlings.

Following are the awards for foliage and flowering plants:

Specimen plant.—George Morrison, first; Mrs. T. Harrison Garrett, (C. Uffler, gardener), second.

Specimen flowering plant.—George Morrison.

Twelve crotons.—George Morrison, first; C. R. Diffenderffer, second.

Specimen begonia.—George Morrison.

Specimen fern.—Henry Fischer.

Orchid specimen plant in bloom.—George Morrison.

Group decorative plants.—Mrs. T. Harrison Garrett.

Group of ferns.—Mrs. T. Harrison Garrett.

After the prizes were awarded the club with some invited guests attended a banquet at the Academy hotel, where speeches were made and a good time had. Besides the judges there were present F. R. Pierson, of Tarrytown, N. Y., and S. S. Pennock, of Philadelphia. Miss Connor and Fredk. Michell, of Philadelphia, were also attendants at the show.

The new building of the Florists' Exchange proved itself well adapted to shows of moderate size, and the visitors regarded with favor the work of the committee to which was entrusted its construction. For the business accommodation of the Exchange itself it seems admirably suited and no doubt the central location, the convenient structures and the energetic committee and manager will largely develop the volume of business to be done.

The committee in charge of the show was composed of Geo. Morrison, F. C. Bauer, James Glass, G. D. Lotz and J. J. Perry. S. B.

Rhode Island Horticultural Society.

The annual chrysanthemum and carnation exhibition of the Rhode Island Horticultural Society was held in Providence, November 13 and 14. The hall was filled with chrysanthemums, which reflected great credit on the growers. Special exhibitors of chrysanthemums were John A. Macrae, F. A. Macrae & Sons and E. J. Johnson of Providence; F. A. Sayles of Pawtucket, Seth B. Borden of Fall River. The principal exhibitors of carnations were J. H. Cushing of Quidnic and J. A. Macrae of Providence, and S. J. Goddard of Framingham, Mass.

John A. Macrae exhibited his wonderful new chrysanthemum, Golden Dome, for which he was awarded a gold medal.

Among the special visitors to the exhibition were D. B. Hadwen, of Worcester, and A. A. Hixon, president and secretary, respectively of the Worcester County Horticultural Society, John H. Cox, horticultural specialist, representing the F. R. Pierson Co., L. D. Bryant, representing the A. H. Hewes Co., and Geo. Smith of Attleboro.

The following awards were given for chrysanthemums:

Best single white blooms in 6-in. pots.—Frank A. Sayles, first.

Best single pink blooms in 6-in. pots.—Frank A. Sayles, first.

Best single yellow blooms in 6-in. pots.—Frank A. Sayles, first.

Twenty-five cut blooms, Col. Appleton, long stems.—S. A. Borden, first.

Twenty-five blooms, Balfour, long stems.—J. A. Macrae, second.

Twenty-five blooms, Dr. Enguehard, long stems.—F. A. Sayles, first; J. A. Macrae, second.

Twenty-five blooms, Timothy Eaton, long stems.—J. A. Macrae, first.

Display of 50 bottles, all classes, J. A. Macrae, first.

Twelve blooms, distinct varieties.—Frank A. Sayles, first; S. A. Borden, second.

Six blooms, distinct varieties.—F. A. Sayles, first; S. A. Borden, second.

Best single bloom, white.—F. A. Sayles, first; S. A. Borden, second.

Best single bloom, pink. — F. A. Sayles, first; J. A. Macrae, second.

Best single bloom, yellow.—S. A. Borden, first; F. A. Sayles, second.

Best single flower of any other color.—S. A. Borden, first; F. A. Sayles, second.

Large vase of 50 or more blooms, long stems.—E. J. Johnson, first.

Best six vases, 10 blooms each, long stems.—J. A. Macrae, first; a fine collection of 10 blooms was disqualified by reason of not complying with the rules.

Collection of Begonia Gloire de Lorraine.—Wm. H. Hill, first.

Orchids, best single specimen.—S. A. Borden, first; Wm. H. Hill, second.

Most artistically arranged group of chrysanthemums, palms, ferns and foliage plants.—F. A. Sayles, first.

CARNATIONS.

Display of cut blooms with foliage.—J. H. Cushing, first.

Twenty-five blooms, crimson.—J. A. Macrae, first; S. J. Goddard, second.

Twenty-five blooms, dark pink.—J. A. Macrae, first.

Twenty-five blooms, light pink.—J. A. Macrae, first; S. J. Goddard, second.

Twenty-five blooms, scarlet.—S. J. Goddard, first.

Twenty-five blooms, white. — S. J. Goddard, first; J. A. Macrae, second.

Any other color.—J. A. Macrae, first; John Gerrard, second.

Best new variety, grown in Rhode Island.—J. H. Cushing, first; J. A. Macrae, second.

Best new seedling of 1906.—J. A. Macrae, first; S. J. Goddard, second.

50 blooms, Enchantress.—J. H. Cushing, first; J. A. Macrae, second.

Display of ferns in large variety.—F. B. Luther, gratuity.

White Chadwick chrysanthemums.—Chas. Faust, gratuity.

Vase of roses.—F. Macrae & Sons, gratuity.

Vase of chrysanthemums.—J. Macrae & Son, gratuity.

One hundred violets.—John Gerrard, gratuity.

Denison, Tex.

The Denison flower show, held November 8 to 10, under the auspices of the Denison Civic Improvement League, proved a very pretty and a most successful event. One of the most atrractive features of the show was a very extensive exhibit by the public schools of the city. Everything possible is being done to inculcate a love of flowers in the minds of the children and the interest of the little ones in the show offers ample evidence of the success of the undertaking. E. W. Kirkpatrick, of McKinney, Texas, a florist and horticulturist of national repute, acted as judge of the show and the following awards were made:

Best and most artistically arranged collection of plants, foliage and flowering—Majors & Gorman, first; E. H. Marchbanks, second.

Best and most artistically arranged collection of palms and cycads—Majors & Gorman, first.

Best and most artistically arranged collection ferns—Mrs. F. E. Shaffer, first.

Best and most artistically arranged collection of begonias—Mrs. Joe Fritz, first.

Best decorated dining or reception table—Misses May and Edith Menefee,

PLANT A OF POEHLMANN BROS., MORTON GROVE, ILL.

PLANT B AT POEHLMANN BROS., MORTON GROVE, ILL.

first; Mesdames C. D. Kingston and W. D. Collins, second.
Best design in cut flowers—Majors & Gorman, first; E. Farley, second.
Best original design in cut flowers—Majors & Gorman, first.
Best bridal bouquet—Majors & Gorman, first.
Best cycas palm—Mrs. F. E. Shaffer, first; E. Farley, second.
Best palm, any kind other than cycas—Mrs. F. E. Shaffer, first.
Best Boston fern—Mrs. W. B. Munson, first.
Best rubber plant—Mrs. F. E. Shaffer, first.
Best asparagus plumosus—Mrs. F. E. Shaffer, first; E. H. Marchbanks, second.
Best asparagus Sprengeri—Geo. Odell, first.
Best Begonia Rex—Mrs. F. E. Shaffer, first.
Best blooming begonia—Mrs. L. S. Cox, first; Mrs. T. W. Dollarhide, second.
Best coleus—E. H. Marchbanks, first; Majors & Gorman, second.
Best lemon tree in fruit—Willie Ratliff, first; Mrs. F. E. Shaffer, second.
Best rare plant—Majors & Gorman, first.
Best vase carnations—Majors & Gorman, first.
Best 20 blooms white carnations—Majors & Gorman, first.
Best 20 blooms pink carnations—Majors & Gorman, first.
Best vase roses—Mrs. A. N. Rhamey, first; E. Farley, second.
Best 12 white roses—Mrs. A. N. Rhamey, first.
Best 12 yellow roses—Mrs. A. N. Rhamey, first.
Best 12 pink roses—Mrs. A. N. Rhamey, first.
Best 12 red or crimson roses—Mrs. A. N. Rhamey, first.
Best 12 assorted roses—Mrs. Garner, first; Mrs. W. D. Collins, second.
Best collection of chrysanthemums—Majors & Gorman, first; E. Farley, second.
Best one plant white chrysanthemum—Majors & Gorman, first; E. Farley, second.
Best one plant yellow chrysanthemum—E. Farley, first.
Best one plant pink chrysanthemum—E. Farley, first.
Best one plant red or bronze chrysanthemum—Majors & Gorman, first; E. Farley, second.
Best collection of chrysanthemum blooms in variety and named—Majors & Gorman, first.
Best collection of white chrysanthemum blooms—Majors & Gorman, first.
Best collection of yellow chrysanthemum blooms—Majors & Gorman, first.
Best collection of pink chrysanthemum blooms—Majors & Gorman, first.
Best 10 bronze chrysanthemum blooms—Mrs. N. J. Wright, first; Mrs. Kratiger, second.
Best 20 assorted chrysanthemum blooms—Mrs. C. C. McCarthy, first.
Best one chrysanthemum, white—Majors & Gorman, first.
Best one chrysanthemum, yellow—Majors & Gorman, first.
Best one chrysanthemum, pink—Majors & Gorman, first.
Best one chrysanthemum, red or bronze—Majors & Gorman, first.

SOIL CHOPPER AND MIXER AT POEHLMANN BROS., MORTON GROVE, ILL.

European Horticulture.

FROM THE BRITISH TRADE PAPERS.

A NEW LUPINE.—This new plant, Lupinus polyphyllus roseus, which was finely shown by J. Cheal & Sons, Crawley, Sussex, at the recent Holland House Show of the Royal Horticultural Society, promises to be a valuable garden plant. Its color, a deep rose, is new among the lupines, and the plant is a vigorous grower and gives a long season of bloom. In fact, it has all the characteristics of a good border plant, and when it becomes well known it is sure to be largely grown. It is said to come true from seeds. Plants such as these beautify the English garden.

LINCOLNSHIRE'S POPPY CROP.—The poppy harvest in the Haxey district of Lincolnshire has just taken place. Twenty acres have this year been grown for distillation into laudanum and opium. An acre yields 40,000 poppy heads, and as much as 12 shillings per 1,000 heads have been realized by the farmers. These poppies, which have a white flower, can only be grown on the same soil once in six years.

DAVALLIA MAYI.—This fine new fern, for which H. B. May, of Edmonton, London, was awarded a first class certificate by the Royal Horticultural Society July 10, has firm stout frondage of a beautiful deep green color. The fronds are graceful and well divided, making up a plant suitable and well divided alike for pots or baskets. It is a variety of D. elegans, and has distinct, creeping rhizomes.

THE AMERICAN FLORIST

TWENTY-SECOND YEAR.

Subscription, $1.00 a year. To Europe, $2.00
Subscriptions accepted only from those in the trade.

Advertisements, on all except cover pages, 10 Cents a Line Agate: $1 00 per inch. Cash with Order.

No Special Position Guaranteed.

Discounts are allowed **only on consecutive insertions**, as follows—6 times, 5 per cent: 13 times, 10 per cent; 26 times, 20 per cent: 52 times, 30 per cent.

Space on front pages and back cover page sold only on yearly contract at $1.00 per inch, net.

The AMERICAN FLORIST Advertising Department is for florists, seedsmen and nurserymen and dealers in wares pertaining to those lines only.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Monday to secure insertion in the issue of the same week. Address

AMERICAN FLORIST CO., Chicago.

When sending us change of address always send the old address at the same time.
We do not assume any responsibility for the opinions of correspondents.

THIS ISSUE 48 PAGES WITH COVER.

CONTENTS.

Florists forcing bulbs and roots...841
—Freesias (illus.) 841
Chrysanthemums 842
—Chrysanthemum Emily Smith....842
—Early varieties (illus.)....842
—Chrysanthemum Society of America 842
Carnations 843
—Carnation Robert Craig in England 843
—Seasonable notes 843
The rose 843
—Suggestions for November....843
An abnormal cattleya (illus.)....844
With the growers....844
—Poehlmann Bros., Morton Grove, Ill. (illus.) 844
The exhibitions 845
—The Baltimore show....845
—Rhode Island Horticultural Society 846
—Denison, Tex. 846
European horticulture 847
Society of American Florists....848
American Carnation Society....848
Twenty years ago....848
Baltimore 849
Meetings next week....849
Louisville 850
Indianapolis 850
Columbus, O. 851
Buffalo 851
Hartford, Conn. 852
Providence, R. I. 852
Lenox, Mass. 854
Millbrook, N. Y. 854
Chicago 857
Philadelphia 858
Boston 858
New York 860
Washington 860
Dept. of Agriculture plant pointers.860
The seed trade....864
—Turf and manure....864
—Farmers hit free seeds....864
H. N. Bruns, Chicago....864
Pittsburg 865
The nursery trade 866
Cleveland, O. 866
Des Moines, Ia....868
Brandon, Manitoba 868
Indianapolis 870
Osage, Ia. 870
St. Louis 872
Special illustration:
—New Chrysanthemum Dakoma....843

HAVE you noticed the wider interest the managers of state fairs are taking in floriculture? You can make them take far more interest in it by waking up and keeping awake. Keep the place clean and carry the best stock in your line.

AT the Dale Estate greenhouses Brampton, Ont., the management have fitted up a fine reading and recreation room with bathroom adjoining for the use of their employes. They have also invited the men to suggest any improvements in it or to recommend any course likely to make the place more useful to them. This strikes us as an example that may be more frequently followed.

FINISH all repotting or surface dressing of Odontoglossum crispum, O. Pescatorei, and similar kinds at once. A flush of new roots usually occurs in late autumn that serves well to reestablish the plants. Besides it is important that these roots once made should not be disturbed, as they are bound to be if the plants are repotted after they have taken a hold on the compost.

Society of American Florists.

DEPARTMENT OF PLANT REGISTRATION.

The H. Weber & Sons Co., Oakalnd, Md., submit for registration the following:

Carnation Toreador, white, overlaid with deep pink, after the style of Prosperity, but showing more, and deeper color, particularly the inner portion of the flower, bounded on the outer edge of petals by a distinct white zone. Flowers fully as large as Prosperity at its best. A strong grower, stems long and extra strong.

Chrysanthemum Weber's Chadwick, a yellow sport of Golden Chadwich, much deeper in color than its parent, and several shades deeper than Major Bonnaffon.

WM. J. STEWART, Secy.

UNITED STATES EXPRESS CO. ANSWERS.

The United States Express Company, by its attorneys, Boardman, Platt & Dunning, of 35 Wall street, New York, has filed with the secretary of the interstate commerce commission an answer to the complaint of the Society of American Florists. It denies any knowledge or information sufficient to form a belief that the S. A. F. is a corporation engaged in the development and advancement of floriculture and horticulture throughout the United States. It denies knowledge or information sufficient to form a belief as to who are the members of the complainant association, but admits that certain individuals and companies make shipments of flowers from the points named in the complaint to New York. It admits that on or about May 1, 1906, the rates on flowers, from the points named to New York, were raised, but denies that they are unjust and unreasonable.

It alleges that at Somerville, N. J., Chatham, N. J., Allentown, Pa., Philadelphia, Pa., and Darrenceton, Pa., it maintains at great expense wagon service which is available to all shippers of flowers. It says that the shippers of flowers at these places bring shipments to the railroad stations at an unreasonably short time before the departure of trains, thus requiring special handling by express agents, seriously interfering with their other duties. The express company claims that all shipments of flowers delivered in New York city must be carried long distances in wagons. It also claims that the cost of collecting, handling and delivering shipments of flowers is much greater than for shipments of ordinary merchandise. In conclusion it demands that the complaint of the S. A. F. be dismissed.

American Carnation Society.

CARNATIONS REGISTERED.

By The Chicago Carnation Co., Joliet, Ill.—Red Riding Hood, in color a bright scarlet, in form a well built flower, nicely fringed and a well filled center, with a large calyx that does not burst. Stem long and strong, perfectly straight. In substance the keeping qualities are of the best, in productiveness it is early, free and always in crop, in habit it has strong clean growth with wide heavy grass, establishing itself readily and making a rapid advance.

By The H. Weber & Sons Co., Oakland, Md.—Toreador, white overlaid with pink, after the style of Prosperity but showing more and deeper color particularly the inner portion of the flower, bound on the outside of the petals with a distinct white zone. Flowers fully as large as Prosperity at its best. A strong vigorous grower with no surplus grass and will stand close planting. Stems long and extra strong. Planted August 1, it will give first class blooms by October 1.

By J. D. Thompson Carnation Co., Joliet, Ill.—Lucile, a large white bloom overlaid with pink, with a long stiff stem.

ALBERT M. HERR.

Twenty Years Ago

American Beauty had celebrated its first birthday.

Over $750 were given in cash premiums at the great Philadelphia chrysanthemum show.

Greenhouse erection was being rapidly extended all over the United States.

Advertisers using the columns of THE AMERICAN FLORIST were shipping their roses over 1,600 miles in good condition.

Andalusia and Buttercup were popular carnations.

Tuberous begonia culture was progressing rapidly, and frequently alluded to in these pages.

Chas. Reissig of Riverside, Ill., was finding drain tiles useful in rose beds.

There was no retarded lily of the valley but cultivators got fair results after the new year.

On November 3, to be exact, the Chicago Florists' Club was formed with a membership of 50.

La France was one of the most popular commercial roses.

The beautiful pure white stock Princess Alice was put into commerce by Lorenz, of Erfurt.

The New York chrysanthemum show was kept open on Sunday, only one member of the society objecting.

A severe frost occurred early in October and completely spoiled a number of flowers.

President Cleveland visited Boston and gave quite a fillip to the flower trade at the Hub.

E. S. Haskell, of New Bedford, Mass., used incandescent electric lights in his greenhouses and the effect was described as most beautiful.

Florists were apt to be behind and have to rush to catch trains, to get plants under glass at the last minute before frost and other necessary details. They still are.

A number of florists from Chicago and other western points visited the New York chrysanthemum show beginning November 2.

A horse five feet high composed of white flowers with harness of eglantine was one of the attractions among the design work at St. Louis, Mo.

The Florists' Club of Philadelphia presented George W. Childs with a magnificent bronze vase nearly eight feet high.

The beautiful old yellow anemone flowered chrysanthemum John Thorpe, Jr., was exhibited at New York.

Florists of New York blamed the craze for autumn foliage for interfering with their business.

American Beauty roses were $6 a dozen, other varieties very much cheaper, Eucharis Amazonica 25 cents, and gardenias 15 cents each.

James D. Raynolds, of Riverside, Ill., built his houses on the ridge and furrow plan, having his walks under the gutters. He considered it an improvement owing to the increased amount of air in the house leading to a better circulation, and all being center beds the plants could be readily reached and syringed.

Baltimore.

MARKET COLORLESS.

Last week was not a star engagement so far as the flower business was concerned. Election day is largely kept as a holiday, and every holiday makes some trade, and the races drew a good many strangers to the city. It would have been natural to expect some animation, but the market was colorless, as our friends, the stock brokers, say, notwithstanding ideal and inspiring weather. Even the street merchants who frequent the retail thoroughfares could with difficulty get rid of their wares. Most of these, the wares not the merchants, come from the city of brotherly love, as though there was not trash enough of our own to fill the demands of this market.

NOTES.

One of our papers recently had quite a chapter in its local columns on the increasing popularity of flowers, meaning blooming plants, for Christmas gifts, and gave some very readable and in the main correct directions for the treatment of bulbs planted in pots and glasses, so as to bring them in bloom for the holiday season. It is suggested, very pertinently, that such gifts are really very inexpensive but much prized because they are grown and cared for by the giver, the sentiment being far more delicate than involved in the perfunctory purchase of articles in the shops, which involve little thought or personal attention but merely the expenditure of more or less cash. Another article in one of our papers dilated at some length on the growing use of bunches of flowers as birthday tokens to express the good wishes and felicitations of the senders. This literature is in the direction of a defined sentiment—and it helps trade.

The Maryland State Horticultural Society will hold its annual meeting and a show of fruits, vegetables, flowers and canned goods in the spacious armory of the Fifth regiment of the Maryland national guard on December 5 and 6. Prizes aggregating about $500 will be distributed for displays in these several departments. Cardinal Gibbons will open the meeting with prayer and the governor of the state and the mayor of Baltimore will make addresses of welcome. The programme of the meeting includes papers or addresses from Prof. S. A. Beach, horticulturist of the Iowa Experiment Station; W. J. Spillman, of the U. S. Department of Agriculture; A. Herrington, of New Jersey, and some of the officials of our state institution.

A few of our Baltimore people went over to the Philadelphia show, but the attendance from here was not so large as on former occasions. S. B.

Meetings Next Week.

Baltimore, Md.—Gardeners' Club of Baltimore, Royal Arcanum building, 18 W. Saratoga street, November 26, at 8 p. m.

Chicago.—Chicago Gardeners' and Florists' Union No. 10615, 10-12 Clark street, November 28.

Cleveland, O.—Cleveland Florists' Club, Progress hall, 244 Detroit street, November 26, at 7:30 p. m.

Dayton, O.—Dayton Florists' Club, 112 South Main street, November 26.

Grand Rapids, Mich.—Grand Rapids Florists' Club, Board of Trade rooms, Pearl street, November 26.

Lake Geneva, Wis.—Lake Geneva Gardeners' and Foremen's Association, News building, December 1, at 8 p. m.

New London, Conn.—New London County Horticultural Society, Elks' hall, November 28.

San Francisco, Cal.—Pacific Coast Horticultural Society, December 1.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

Cash with Adv.

Plant Advs. NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1906 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—As foreman of up-to-date commercial place; can furnish best of references by present employer and others in Chicago trade. Address Key 830, care American Florist.

Situation Wanted—Young man 21 years old, 4½ years' experience with an all-around florist, best of references. Address AUGUST LECLERE, 234 Loudon Ave., Lexington, Ky.

Situation Wanted—By an all-around florist; good on 'mums, carnations and soft wooded plants, also palms and ferns. State wages and particulars in first letter. Address Key 837, care American Florist.

Situation Wanted—By florist and landscape gardener, 20 years' experience in this country and England, three years in last place; first-class refences; private place preferred. Address Key 836, care American Florist.

Situation Wanted—By practical florist foreman, 25 years, experienced grower fine roses, carnations, 'mums; fine designer and decorator. Good wages expected. Address FOREMAN, 47 Broadway, Detroit, Mich.

Situation Wanted—By florist and landscape garnener, 16 years' experience; 5 years in present plaee as foreman in charge of 40,000 square feet of glass. References. Kemble Floral Company, Oskaloosa, Ia. H. R. FISHER, Oskaloosa, Ia.

Help Wanted—Good man in tea rose section. Address, with full particulars. R. WILL & SON, Box 29, Minneapolis, Minn.

Help Wanted—A young man that has some experience to assist in greenhouse in northeastern Ohio; German preferred. Address Key 840, care American Florist.

Help Wanted—A good, all-around man for general greenhouse work in commercial establishment. Address with full particulars Key 842, care American Florist.

Help Wanted—Reliable, sober and industrious man, single or wife only, who understands the care of flowers and fruit. Private place. Small greenhouse with furnace to care for. Wages $25 per month, room and board; increase after six months; references required. Address DR. W. W. EVANS, Hamilton, Va.

Help Wanted—Handy man around greenhouse, capable of handling team. Must be strictly sober. State wages with board; give references. Address Key 843, care American Florist.

Help Wanted—Young man to assist in up-to-date flower store; must be decorator and understand taking care of plants, and also be able to wait on good trade. Address Key 841, care American Florist.

Help Wanted—Carnation grower; must be a No. 1 man, strictly sober and reliable; wages $30 per month with board and washing; state experience and references. Address Key 844, care American Florist.

Help Wanted—Florist with experience in growing roses, carnations and general bedding stock; must be sober and industrious; wages, $35 per month, board and room; a good home for the right man. GEO. F. MOORE, Rushville, Ind.

Help Wanted—We want a section man who understands bedding plants, ferns, palms, etc., one who is up on all varieties. To a capable man good pay and permanent place. State salary and experience in first letter. HONAKER THE FLORIST, Lexington, Ky.

Wanted—Applications of reliable and capable men as salesmen, decorators, or designers, or assistants thereto. A. W. SMITH, 345 Sixth Ave., Pittsburg, Pa.

For Sale—Carnation supports, $15.00 per 1000; $125.00 for 10,000. JAMES W. DUNFORD, Clayton, Mo.

For Sale—Established retail florist business in St. Louis, Mo., doing $7,500.00 to $8,500.00 per year. Address Key 823, care American Florist.

For Sale—Nine greenhouses, dwelling house and barn, 3½ acres of ground. For particulars address P. O. Box 109, Newtown, Bucks Co., Pa.

For Sale—A1 down-town retail store for sale; established 10 years; bargain. Enquire VAUGHAN & SPERRY, 60 Wabash Ave., Chicago.

For Sale—A bargain; $4,000.00 will buy a greenhouse plant of about 30,000 sq. ft. of glass, well stocked, steam heated; good retail trade; cheap fuel; possession given immediately. Address JOSEPH E. BONSALL, Salem, Ohio.

For Sale—All the glass, 10x12 double strength A, on five houses, each 20 ft. by 115 ft., for $500 as it stands. Will include sash bars and doors. Also two Kroeschell hot water boilers; one steam boiler, 20 H. P., used three months, dirt cheap. BRANT & NOE FLORAL CO., W. Peterson and N. 48th Aves., Chicago.

For Sale—A thriving florists' business in Illinois; 20,000 ft. of glass, all planted with roses, carnations, 'mums and general stock in fine condition; modern 10-room dwelling, all built within the last 10 years; last year's sales, $6,000.00. Cause for selling, other business. Address Key 805, care American Florist.

$2,500.00

Buys my stock, Greenhouse and Business. All in perfect condition. Write for particulars.

CHAS. WINKLER, Hastings, Neb.

FOR SALE.

Old established retail florist's store. Reason for selling, going west. For particulars, write to

F. K., 700 N. 5th St., Philadelphia, Pa

FOR SALE.

COLORADO SPRINGS, COLO.

Wholesale and retail business, well located, 34 greenhouses, 13 acres of land, 4 boilers, 16-60; 2 dwellings. For terms address

WM. CLARK.

FOR SALE.

Des Moines, Iowa, wholesale and retail greenhouse establishment, 29,000 feet of glass, three acres of ground, well located, all in good order, with good wholesale and retail trade. Price, about $8,400; terms reasonable.

VAUGHAN'S SEED STORE

CHICAGO.

Advertisers send copy early for best service...

LADIES AND GENTLEMEN! OUR PLATFORM

There is a Reason For Our Progress.

Our customers know the value of our services. We give you the *Best Goods* for the *Least Money* without sacrificing the quality. **Our Prices Are Right** and our goods paramount in quality. *Poor goods* gives *poor satisfaction* at *any price*. *Good Goods* gives the best satisfaction, invites and encourages the return of regular buyers, and is the best stimulant for the prospective ones.

We Are Growing Only Through Transactions that Make Pleased and Permanent Customers.

WE DO BUSINESS EVERYWHERE

POLLWORTH MILWAUKEE

LEADERS IN OUR LINES

FLORIST SPECIALTIES, GREENHOUSE REQUISITES

Wholesale Flower Markets

CLEVELAND, Nov. 21.

Roses, Beauty, per doz..	$1 50..6 00
" Bride, Bridesmaid, Meteor.	3 00@ 8 00
" Kaiserin	4 00@ 8 00
Carnations	3 00@ 5 00
Smilax	15 00
Asparagus, strings	25 00@50 00
" Sprengeri	1 00@ 2 00
Common ferns.....per 1000,	$1 50
Chrysanthemums	6 00@15 00

ST LOUIS, Nov. 21.

Roses, Beauty, long stem	3 00@ 5 00
" " medium stem	1 50@ 2 50
" " short stem	50@ 1 00
" Bride, Bridesmaid	2 00@ 6 00
" Pres. Carnot	2 00@ 8 00
" Kaiserin	2 00@ 8 00
" Chatenay, Richmond	2 00@ 6 00
Carnations, common	1 00@ 2 00
" best	3 00
Smilax	12 50@15 00
Asparagus Sprengeri	1 00@ 3 00
" Plumosus, strings	25 00@40 00
" cut sprays	1 00@ 3 00
Fancy ferns.....per 1000,	$1 75
Lily of the valley	3 00@ 4 00
Chrysanthemums, f'cy, doz.,	$2@$3
" ordinary, 75c@1.50	
Violets	40@ 50

PITTSBURG, Nov. 21.

Roses, Beauty, specials	25 00@35 00
" " extras	15 00@20 00
" " No. 1	10 00@12 00
" " ordinary	6 00@ 8 00
" Bride, Bridesmaid	3 00@ 8 00
" Chatenay	4 00@ 8 00
" Richmond	4 00@ 8 00
" Kaiserin	4 00@ 8 00
" Cusin	4 00@ 6 00
" Perle	4 00@ 6 00
" Bon Silene	4 00
Chrysanthemums	4 00@25 00
Carnations	1 00@ 3 00
Lily of the valley	2 00@ 4 00
Violets	1 00@ 1 50
Smilax	12 50@15 00
Asparagus, strings	30 00@50 00
" Sprengeri	2 00@ 4 00
Lilies	15 00@18 00
Adiantum	75@ 1 50

CINCINNATI, Nov. 21.

Roses, Beauty.....per doz.,	$1 00@$4 00
" Bride, Bridesmaid	3 00@ 6 00
" Liberty	4 00@ 8 00
" Meteor, Golden Gate	3 00@ 6 00
Carnations	1 00@ 3 00
Lily of the valley	3 00@ 4 00
Asparagus	50 00
Smilax	12 50
Adiantum	1 00
Asparagus plumosus and Sprengeri in bunches.....per bunch	25c
Ferns.....per 1000,	$1 50
Longiflorum lilies	6 00@15 00
Asters	1 00@ 2 00
Gladiolus	2 00@ 3 00

MILWAUKEE, Nov. 21.

Roses Beauty, per doz..	0 75..3 00
" Liberty, Chatenay	2 00@ 6 00
" Bride, Bridesmaid	2 00@ 6 00
" Meteor, Golden Gate	3 00@ 6 00
" Perle	2 00@ 4 00
Carnations	2 00@ 4 00
Smilax	12 00
Asparagus, sprays	3 00
" Sprengeri	3 00
Lily of the valley	3 00@ 4 00
Adiantum	1 00@ 1 50
Chrysanthemums	10 00@35 00
Common ferns	$1 50 per 1000
Longiflorum	$2 00 per doz
Violets	1 00

The Great Uncertainty.

Monday, planted rye and melons
On this peacefulest of scenes.
But the seeds, ignoring labels,
Came up manglewort and beans.

Tuesday, planted Hoss Thief Jimmy
On the very plainest proof;
Boys allowed that he would surely
Be an imp with cloven hoof.

Wednesday, planted Deacon Jackson;
Parson figgered out all right
He would surely be an angel
With some wings of lily white.

Now I've got a little notion
And a startling thought it brings—
'Sposing Jimmy and the Deacon
Mix like other planted things?
—McLandburgh Wilson in New York Sun.

Thanksgiving PRICE LIST.

Subject to change without notice.

American Beauty.	Per doz.
Extra long stem	$5 00 to $6.00
24-inch stem	3.00 to 4.00
20-inch stem	2.50 to 3.00
15-inch stem	2.00
12-inch stem	1.50
8-inch stem	1.00

	Per 100
CHATENAY	$6 00 to $8.00
BRIDE	6 00 to 8.00
BRIDESMAID	6.00 to 8.00
METEOR	6.00 to 8.00
UNCLE JOHN	6.00 to 8.00
KAISERIN	4.00 to 8.00
RICHMOND	6.00 to 10.00
LIBERTY	6.00 to 10.00
CARNATIONS, fancy	5.00 to 6.00
" ordinary	4.00
'MUMS, fancy.....per doz,	2.50 to 3.00
" ordinary... "	1.00 to 2.00

ALL OTHER STOCK AT LOWEST MARKET RATES.

WIETOR BROS.

51 Wabash Ave., Chicago.

FOR THANKSGIVING.

CHRYSANTHEMUMS.

The very finest commercial varieties, stiff stems and large flowers. All are kinds that will stand lots of handling without bruising, viz: Jeanne Nonin, Chadwick, Golden Wedding, Dr. Enguehard, etc.

PRICE LIST AS FOLLOWS:

	Per doz
CHRYSANTHEMUMS. according to size of flower, white, yellow and pink	$1.50 to $3.00
BEAUTIES—Extra long and select	$5.00
Stems 24 to 30 inches	$3.00 to 4.00
Stems 20 inches	2.50
Stems 15 inches	2.00
Stems 12 inches	1.50
Kaiserin, La Detroit, Bride, Maid, Liberty, Richmond, Killarney, Chatenay and Perle.	Per 100
A grade, extra long	$8.00 to $10.00
No. 1 grade, good lengths	6.00 to 7.00
No. 2 grade, medium and short lengths	4.00 to 5.00
Easter Lilies	12.50
Lily of the Valley	4.00
Carnations, all colors	3.00 to 5.00

GREENS. Asparagus, heavy	per string, .50
Asparagus Sprays	per 100, $2.00 to 3.00
Adiantum, extra long	per 100, 1.00
Smilax, extra long	per doz. strings, 1.50
New Common Ferns	per 1000, 1.50
Sprengeri	per 100, 2.00
Galax Leaves, green or bronze	per 1000, 1.25

CHRYSANTHEMUM STOCK PLANTS, $10.00 per 100.

White Varieties: Bergman, Touset, Buckbee, Adelia, Jeanne Nonin.
Yellow Varieties: Monrovia, Henderson, Halliday, Golden Wedding.
Pink Varieties: J. K. Shaw, Marie Liger, Mary Mann, Dr. Enguehard.

We grow all the flowers we sell, so can cut our stock especially to suit the weather conditions or for long distance shipments.

Bassett & Washburn,

Greenhouses: HINSDALE, ILL. L. D. Phone Central 1457. Office and Store: 76 Wabash Ave., CHICAGO.

Columbus, O.

The chrysanthemum reigns supreme now, taking its place in everything, from the modest parlor bouquet to the most elaborate decoration. This flower seems to grow in favor more and more every year. Local florists are preparing for a big holiday trade.

NOTES.

A chrysanthemum show was held here November 13 at the club room. Most of the local florists exhibited and some fine stock was shown. Prizes were awarded to the best exhibits. A musical programme added to the pleasure of the evening. Miss Lennon, a well known singer from Boston, favored the club with several vocal selections, accompanied by Mrs. Joseph Sanders.

W. A. Graff and A. M. Hills represented the Columbus florists at the big flower show at Chicago.

C. A. Roth and the Livingston Seed Co. exhibited some fine chrysanthemums not for competition.

Livingstons are holding a chrysanthemum show this week. CARL.

POUGHKEEPSIE, N. Y.—Winthrop Sargent was very successful at the Duchess county show taking first premiums for Begonia Gloire de Lorraine, best basket of chrysanthemums, 12 white blooms, six yellow and vase of 25 crimson.

KUTZTOWN, PA.—Fred N. Baer has gone into the florists' business having built an 18x80 foot greenhouse at the rear of his lot on Main street. Palms and ferns are to have his attention first with possibly cut flowers to follow.

WE CAN AND WILL

—FILL YOUR—

THANKSGIVING

Cut Flower Order to Your Advantage.

INSIDE CHICAGO MARKET QUOTATIONS.

E. F. WINTERSON CO.

45 Wabash Ave., CHICAGO.

Please mention the American Florist when writing

Buffalo.

GOOD BUSINESS.

Good weather and good business the past week has been the sign in the stores. Several receptions gave all plenty of work, chrysanthemums and American Beauties being in great demand. Some very fine Bridesmaid and Killarney roses are coming in at present.

NOTES.

Conrad Frey, of Johnson street, is first this season with a fine lot of Roman hyacinths in pans for table work, also a fine lot in flats for Thanksgiving.

S. A. Anderson had his chrysanthemum show last week and as usual the store was crowded for three days with people admiring the fine exhibit.

W. F. Kasting reports a good crowd and a pleasant time at Chicago. He thinks Buffalo is due for a show after a three-years vacation.

L. H. Neubeck at his cosy store and greenhouse on Main and High streets is very busy this season.

C. F. Christensen of Eggertsville is cutting some fine carnations and chrysanthemums.

BISON.

SINNER BROS.

58-60 Wabash Ave., CHICAGO.

BEING located in the Growers' Market, with large supplies from our own greenhouses and the stock of two score of the best growers to draw upon, we have facilities second to none for the prompt and satisfactory handling of shipping orders for all holidays.

WHOLESALE FLORISTS

HENRY M. ROBINSON & Co.

Wholesale Florists. **Florists' Supplies.**

11-15 Province St., 9 Chapman Place, **BOSTON.**

AMERICAN BEAUTIES, RICHMONDS, CARNATIONS, VALLEY, CHRYSANTHEMUMS.

Hartford, Conn.

The Connecticut Horticultural Society held a chrysanthemum show in connection with its regular meeting November 9.

J. F. Huss, gardener to J. J. Goodwin, showed the largest number of plants and blooms, which included the following varieties: Timothy Eaton, Colonel Appleton, Marie Liger, G. C. Balfour, William Duckham, Idavan, Nellie Pockett and Dr. Enguehard. Two large plants in pots, Dr. Enguehard and Georgina Pitcher, had 100 blossoms on each. Mr. Huss showed also two fine specimens of Cattleya labiata, very delicately colored, shaded from rare white to light pink.

Walter L. Goodwin showed a plant of Wm. Duckham which had 120 open blossoms. From the Elizabeth park greenhouses were specimen blooms of Ben Wells, Mrs. Wm. Duckham, Mrs. Geo. A. Mayer, Mrs. Coombes, Morton F. Plant and Valerie Greenham, with a collection of hardy plants.

President Adolph C. Sternberg, of West Hartford, presided at the meeting. Mr. Sternberg, calling attention to the handsome exhibit, said that just such exhibits were needed to arouse the public to the aims and purposes of the society. He asked experts present to tell the best way to grow specimen blooms for exhibition.

Peter Zuger, head gardener at Elizabeth park, said that there was no secret about it, it simply required good plants, good judgment and common sense. Large pots were not necessary, a 6-inch pot being just as good as a 10-inch pot. Gardeners generally fed nitrate of soda, ammonia, Clay's fertilizer and sheep and cow manure. If such stimulating food was fed, the kind should be changed weekly. The chrysanthemum was not subject to many diseases, mildew and rust being the troubles to be guarded against by careful watering. Over watering was the chief cause of those troubles. He thought that any amateur with a love for plants could grow chrysanthemums successfully. He was a judge at a chrysanthemum show in New York recently and thought that Hartford growers could hold their own with those in the metropolis. As to the fashion in the blooms, he thought the public now wanted small pompons rather than the large blooms.

J. F. Huss described the method of growing Cattleya labiata, which was formerly considered a secret. He said that the orchid could be grown by anybody having a small greenhouse.

Chairman Sternberg, in introducing Judge Dewey, county commissioner and sheriff-elect, told of the time, years ago, when Mr. Dewey offered the use of a room in the building to the society. He thanked Mr. Dewey in the name of the society for what he had done for it. Judge Dewey expressed his pleasure at being present and his admiration for the exhibits. The next meeting will be held November 23, when there will be an exhibit of begonias and cyclamen. K.

SOMERSWORTH, N. H.—Work is progressing rapidly on Mr. Ramsburg's new greenhouses, near his residence on High street.

Providence, R. I.

The annual chrysanthemum show of the Rhode Island Horticultural Society, brought out a good display of flowers, but the attendance was no improvement over former years. John Macrae was in evidence with his remarkably fine sport of yellow Eaton, which he has named Golden Dome, and which was easily the show flower of the exhibit. Mr. Macrae also won premiums with his fine carnations, although the bulk of this display fell to J. H. Cushing, of Quidnick, whose carnations are always high class flowers. Mention should be made of the terribly poor keeping qualities of pinks in the exhibition hall, due probably to the absence of sufficient ventilation, but the fact remains that 24 hours put a crimp in them. The society undoubtedly does the best that can be done with their appropriation, but it is regretable to note the public apathy with regard to the show. Fred Luther of Atlantic avenue made a fine display of sword ferns, especially Nephrolepis Whitmani and the advertisement was worth all the effort.

M. M.

MANCHESTER, MASS.—Wm. Spinney, gardener to T. Dennie Boardman, was injured in a runaway accident September 19. Mr. Spinney had been trimming the trees, and it is believed that one of the falling limbs struck the horse, causing the animal to bolt. He was standing in the wagon and was thrown out, his head being caught between the wagon and the trunk of a tree. One ear was torn off and his skull was fractured.

PETER REINBERG,

51 Wabash Avenue, CHICAGO.

FOR

Absolutely Fresh Cut Flowers.

PRICE LIST.

	Per doz.
Beauties,	
Extra select	$5.00 to $6.00
24 to 30-inch stems	3.00 to 4.00
15 to 20-inch stems	2.00 to 2.50
Short stems	1.00 to 1.50
	Per 100
Bride	$5.00 to $8.00
Bridesmaid	5.00 to 8.00
Liberty	5.00 to 10.00
Richmond	5.00 to 10.00
Chatenay	5.00 to 10.00
Golden Gate	5.00 to 8.00
Sunrise	5.00 to 8.00
Ivory	5.00 to 8.00
Perle	4.00 to 6.00
Carnations	4.00 to 5.00

ROSES, Our Selection, . . . per 100, $4.00

'Mums, Fancy.....per doz., $3.00 to $5.00 | **'Mums,** Medium.....per doz., $1.00 to $2.50

Special Values in Dreer Palms.

The varieties and sizes here offered are all of excellent value and in prime condition for retailing or for decorative work. For a more complete list see our current Wholesale List.

ARECA LUTESCENS

4-in. pots, 3 plants in a pot, 15-in. high.....$3.50 per dozen; $25.00 per 100

COCOS WEDDELLIANA

The best, thriftiest plants of this we have ever offered.

2¼-in. pots, 5 to 6-in. high....per doz., $1.50; per 100, $10.00; per 1000, $ 90.00
3-in. " 8 to 10-in. " ....per doz., 2.00; per 100, 15.00; per 1000, 140.00

KENTIA FORSTERIANA

6-in. pots.	6 leaves,	24 to 28 in. high		$ 1.00 each
6-in. "	6 "	28 to 30 in. "		1.25 "
6-in. "	6 "	30 to 32 in. "		1.50 "
7-in. "	6 "	34 to 36 in. "		2.00 "
7-in. "	6 "	36 to 40 in. "		2.50 "
9-in "	6 "	46 to 48 in. "		3.50 "
7-in. tubs,	6 "	48 in. "		4.00 "
12-in. "	6 to 7 leaves,	8 to 10 ft. high		15.00 "

KENTIA FORSTERIANA—MADE UP PLANTS

9-in. pots,	4 plants in a pot,	3½ ft. high		$ 4.00 each
9-in. tubs,	4 " "	tub, 4 ft. high		5.00 "
12-in. "	4 " "	" 6½ to 7 ft. high		15.00 "
13-in. "	4 to 6 plants in a tub,	5½ to 6 ft. high, very bushy		15.00 "

KENTIA BELMOREANA

6-in. pots,	6 leaves,	20 to 24 in. high		$1.00 each
6-in. "	6 "	24 to 26 in. "		1.25 "
6-in. "	6 to 7 leaves,	26 to 28 in. high		1.50 "
7-in. "	6 to 7 "	34 to 36 in. "		2.50 "
9-in. tubs,	6 to 7 "	48 in. high, heavy		7.50 "

LATANIA BORBONICA

7-in. pots, 6 to 8 leaves, heavy plants.....$1.00 each

LIVISTONA ROTUNDIFOLIA

4-in. pots.....$4.00 per dozen; $30.00 per 100

PHOENIX CANARIENSIS

The following are all growing in light wooden tubs and are plants of good value.

2½ ft. high.....$2.00 each
3½ ft. " ..... 3.50 "
4 to 4½ ft. high..... 5.00 "
4½ to 5 ft. " ..... 6.00 "

PHOENIX ROEBELENII

Nicely characterized plants of this beautiful rare palm, which undoubtedly is destined to be one of the most popular palms of the future. 4-in. pots, 10 in. high, $1.00 each; 5-in. pots, 12-in. high, $1.25 each; 8-in. pots, 18-in. high, $3.50 each.

For a complete list of seasonable decorative and other stock see our current wholesale list.

HENRY A. DREER, 714 Chestnut Street, PHILADELPHIA.

Nephrolepis Whitmani

Young plants from bench,

$6.00.....per 100.

DAVIS BROS., Morrison, Ill.

—SPECIAL SALE OF—

WHITMANI FERNS.

The best new one for 1907. Immediate delivery. 2½-in., $12.50; 3-in., $25.00; 4-in., $50.00; 5-in., $75.00.

AZALEAS for Christmas blooming, 60c, 75c and $1.

HYDRANGEAS, 50c, $1.00 and $1.50.

Write for our new Fern List.

GEO. A. KUHL, Pekin, Ill.

ROOTED CUTTINGS

Heliotrope, blue, 75c per 100, prepaid.
Rex Begonia, assorted, $1.25 per 100, prepaid.
Vinca Var., 90c per 100, prepaid.
Other cuttings ready soon.
Umbrella Plants, 2-in., 1½c.
Asparagus Plumosus Nanus, 2-in., 2½c, cash
Pansy Plants, Giant, all sold for this season. Many thanks friends. Remember us next year

SPIPPENSBURG FLORAL CO., Shippensburg PA.

BEAVEN'S
Fadeless Sheet Moss
$3.50 per bag.

Southern Wild Smilax
IN ANY QUANTITY.
E. A. BEAVEN, Evergreen, Ala.

—PRICE LIST FOR—
Christmas Decorations
EVERGREEN WREATHING.
NATURAL.

Standard grade, per coil, 20 yds	$0 60
Light weights, per coil	50
Standard grade, dyed, per coil, 20 yds	60
Light weights, dyed, per coil	50

WREATHS.

Holly, fancy Delaware, per doz	1 10
" Southern, per doz	1 00
" and **Evergreen,** mixed, per doz	1 00
Evergreen, plain, per doz	1 00
" with Immortelle flowers, per doz	1 10
Galax, green or bronze leaves, per doz	90
" with Immortelle flowers, per doz	1 00
Magnolia Wreaths, per doz	1 00
" with Immortelle, per doz	1 10
Delaware Holly, per crate	$4 00 to 4 50
Southern Holly, per crate	3 25 to 3 75
Mistletoe, per lb	20
Needle Pines, per doz	1 50
Galax Leaves, per 1000	1 00
CALIFORNIA PEPPER BOUGHS, beautiful for decoration and very fragrant, per crate	4 50
Magnolia Leaves, heavily packed, per barrel	6 50

Let us book your orders now, and you name date when you want goods shipped
We manufacture all our stock employing 100 hands.
H. WOODS CO. 127 S. Water St., CHICAGO.

Holly and Holly Wreaths Dark green and well berried.
Choice Delaware, per case, 2x2x4 ft...$3.00
Choice Virginia, per case, 2x2x4 ft.... 2.75
Holly Wreaths.....10 and 12c
Laurel Roping.....3c per yard
Cash. Order early and will ship on any date desired
HARRY L. HUBBS,
N. E. Cor. 34th and Cumberland Sts.,
Commission Merchant, PHILADELPHIA, PA.

Lenox, Mass.

The regular meeting of the Lenox Horticultural Society was held November 17, President S. Carlquist in the chair. The chrysanthemum exhibition committee reported finding a balance on the right side. Several of the members gave some instructive and interesting talks of various exhibitions that they have attended. A rising vote of congratulation was accorded A. J. Loveless, on his election as president of the Chrysanthemum Society of America, and we feel greatly honored that a member of our body is elected to such a prominent position. First class certificates were awarded to S. Carlquist for Chrysanthemum Japan and E. J. Norman for Cypripedium Josephianum. G. F.

Millbrook, N. Y.

Roses and carnations are doing fine at the Daheim greenhouses and a number of each are being cut daily.

H. H. Flagler has finished his new greenhouse and expects to raise only bedding plants.

Altamont greenhouses are closed for the winter.

BROOKLYN, N. Y.—George Lastus of 28 Broadway was assaulted by a Greek, George Agelopoulow, who had been in his employ and who claimed there was $3 coming to him. The florist was just quick enough to avoid a blow with a stiletto from the Greek, who made off when the police appeared, but was afterwards captured.

XMAS GREENS
HOLLY, MISTLETOE, ETC.

WRITE OR WIRE US for prices whenever you are ready to buy. Prices are quoted by mail for prompt acceptance, and customers are especially desired to ask us for net prices just when ready to buy, as values on this **FLUCTUATE** almost daily. We keep in close touch with the market and supply at right prices.

☞ **Write for a copy of our Christmas Circular. Just issued.**

Vaughan's Seed Store
CHICAGO: 84-86 Randolph St.,
NEW YORK: 14 Barclay St.

Please mention the American Florist when writing

Extra Fine New Crop **FANCY FERNS** $1.25 per 1000
Discount on large orders.
GREEN and BRONZE GALAX .....$1.25 per 1000
Send for our weekly price list on Cut Flowers Let us have your standing order for Ferns; will make price right all through the season.
MICHIGAN CUT FLOWER EXCHANGE
WM. DILGER Mgr. 38 and 40 Broadway formerly Miami Ave., DETROIT, MICH

HOLLY! HOLLY! HOLLY!
Holly Wreaths, Lycopodium and **Lycopodium Wreathing.** Our man in the woods with 12 years' experience in packing, can ship you direct and thus save extra expense of freight. Choice, well-berried **Holly Wreaths,** $10.00 to $15 00 per 100. **Delaware Holly,** $3.00 per case. Cash with order please.
DUMONT & CO., WHOLESALE FLORIST, 1305 Filbert Street, **Philadelphia.**

Dagger and Fancy Ferns
A No. 1 quality, $1.25 per 1000.
Discount on larger orders.

Southern Wild Smilax
Selected stock, $7.00 per 50-lb. case; $4.00 per 25-lb case.

Bronze and **Green Galax,** $1.00 per 1000; $7.50 per case of 10,000.
Laurel Festooning, good and full, 5c and 6c per yd.
Laurel Wreaths, from $2.00 per dozen upwards.
Princess Pine, $7.00 per 100 lbs.
Branch Laural, 50c per bunch.
Henry M. Robinson Co , BOSTON, MASS.
Please mention the American Florist when writing.

HOLLY, MOSS, ETC.
Fancy Holly, in case, 2x2x4 ft., per case, $3.00.
Laurel Branches, in case, 2x2x4 ft., long stems for decorating, per case, $2.50.
Cedar Branches, with berries, 2x2x4 ft., case, $3 00.
Green Sheet Moss, in large thin pieces, per bbl., $1.25.
Can ship now. Cash from unknown parties. Write for circular and testimonials.
W. Z. PURNELL, Snow Hill, Md.

RICE BROTHERS
WHOLESALE 113 N. 6th St.,
SHIPPERS of home grown Cut Flowers, comprising the newest varieties of blooms. Full line of supplies and decorative greens. Trial order solicited. Weekly price list issued.
MINNEAPOLIS, MINN.

SOUTHERN WILD
SMILAX.
Caldwell The Woodsman Co.
EVERGREEN, ALABAMA.

Please mention the American Florist when writing.

BOUQUET GREEN
Best quality at **lowest rates.** We gather our own **Greens** and bring by our own boat direct. Also **CHRISTMAS TREES.**
Northern Michigan Evergreen Nursery.
SCHOONER GEO. L. WRENN, H. Schuenemann, Capt. S. W. cor. Clark St. Bridge, CHICAGO.

IT PAYS To Tell the Advertiser..... Where You Saw His Advertisement.

CHRYSANTHEMUM NOVELTIES.

This Year I Have to Offer Among Many Others:

IN WHITES

WHITE SPORT of Wm. Duckham, winner of the $50.00 Frick Prize at Chicago.

MRS. A. T. MILLER, a lovely white, Certificate, C. S. A.

MONEYMAKER, a white with a commercial future.

IN YELLOWS

ROSE LAWRENCE, MARY GODFREY, BUTTERCUP.

IN PINKS

MISS MIRIAM HANKEY, one of the most beautiful things I have ever handled. Also

MRS. HENRY BARNES, and many others.

My New List Will Be Ready December 1. SEND FOR IT.

CHARLES H. TOTTY, Madison, N. J.

Please mention the American Florist when writing

PITTSBURG CUT FLOWER CO. Ltd.

Pittsburg's Oldest and Largest Wholesalers.

REMOVED TO NEW LOCATION.

HEADQUARTERS FOR

Chrysanthemums, Carnations, Beauties, Roses, Lilies, Adiantum Hybridum, Valley, Violets, Box Wood Sprays, Wild Smilax.

222 Oliver Ave., PITTSBURG, PA.

Please mention the American Florist when writing

CARNATION IMPERIAL

Variegated seedling, pink shade similar to Enchantress, and a deeper pink. Flowers 3-4 inches, strong calyx, good stems, early, free and a continuous bloomer.

PINK IMPERIAL.

A sport of Imperial, of a pleasing pink shade that has long been wanted.

My own origination. To be disseminated in 1907. Place your order at once.

PRICES. — Selected cuttings, delivery commencing in December, 1906, **$2.50** per dozen; **$12** per 100; **$100** per 1000; 50 at 100 rates; 250 at 1000 rates. 5 per cent discount for cash with the order.

JOHN E. HAINES, Bethlehem, Pa.

Please mention the American Florist when writing

Nephrolepis Whitmani

Runners from bed, $7.00 per 100; $60.00 per 1000.

Strong established plants, in 3-in. pots, $10. per 100; $90.00 per 1000.

Nephrolepis Scottii

Runners from bed, $25.00 per 1000.

Strong plants, in 3-in. pots, $40.00 per 1000.

For prices on larger sizes and on other plants send for our Fall circular.

WM. K. HARRIS,

55th St. and Springfield Ave. PHILADELPHA, PA.

E. H. HUNT

"THE OLD RELIABLE"

'MUMS AND VIOLETS.

Chrysanthemums in any quantity and all colors. Choicest single and double **Violets.** All other **Cut Flowers. Ferns,** etc., in any quantity.

Wholesale Florist, 76 Wabash Ave, CHICAGO.

KENNICOTT BROS. COMPANY

40-42-44 Randolph St., CHICAGO.

Our reputation has always been that we fill orders when others fail. All stock in season at Lowest Market Rates.

THE BENTHEY-COATSWORTH CO.

35 RANDOLPH ST. **WHOLESALE FLORISTS** CHICAGO.

E. C. AMLING

THE LARGEST, BEST EQUIPPED, MOST CENTRALLY LOCATED WHOLESALE CUT FLOWER HOUSE IN CHICAGO.

32, 34, 36 RANDOLPH ST., CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Chicago Notes.

The Ernst Wienhoeber Floral Co. supplied the flowers for the funeral of Mrs. R. F. Howe, sister of James Deering. Over 300 orchids were used and 6000 lily of the valley. It was the biggest funeral that has occurred on the north side for some time.

Peter Reinberg expects to make a heavier cut than ever before of red roses. Both Richmond and Liberty are in crop, and Uncle John and Chatenay are in fine shape for the Thanksgiving trade.

The J. B. Deamud Co. is offering chrysanthemums, carnations and green goods. This firm has just received a fresh shipment of boxwood in all sizes.

The E. F. Winterson Co. offers Enchantress carnations, Richmond, Bride and Bridesmaid roses and white and yellow chrysanthemums in quantity.

The A. L. Randall Co. is offering the better grades of chrysanthemums. Carnations and tea roses also are in good supply.

Zech & Mann are offering yellow and white chrysanthemums, also Maud Dean. Tea roses are a leading item with this firm.

E. C. Amling is receiving quantities of chrysanthemums. Sweet peas, bouvardia and mignonette are seen here.

The aged mother of John Zech passed away last Friday morning.

Visitors: Fred Mansoff, Brandon, Manitoba; Wm. Crossland, representing Northrup, King & Co., Minneapolis, Minn.

Wholesale Flower Markets

CHICAGO, Nov. 21.

Roses, Beauty, 30 to 36-in. stems	$4 00@ 5 00
" " 20 to 24-in. "	$2 50@ 3 00
" " 15 to 18-in. "	1 50@ 2 00
" " 12-in. "	75@ 1 00
" Liberty, Chatenay	4 00@ 7 00
" Bride, Bridesmaid	4 00@ 7 00
" Golden Gate	4 00@ 7 00
" Killarney, Richmond	4 00@10 00
Carnations	1 00@ 2 00
" fancy	2 00@ 4 00
Lily of the valley	2 00@ 5 00
Cattleyas....per doz.,	$6 00@$7 50
Harrisii lilies, per doz.,	$2 00@$2 50
Asparagus plumosus, per string	35c@50c
" " per bu.,	35c@$1 00
" Sprengeri	2 00@ 4 00
Green Galax	1 00
Galax leaves.....per 1000,	$1 25
Adiantum	75@ 1 00
Fancy ferns.....per 1000.	$1 50
Smilax.....per string,	10c@12½c
Chrysanthemums, per doz.,	$1 00@$3 00
Violets	50@ 1 25
Leucothoe sprays	75
Wild smilax, 25 lb.,	$3; 40 lb., $4; 50 lb., $5

The Geo. Wittbold Co.

1657-1659 Buckingham Place, CHICAGO.

The only retail florist in Chicago who grows his own cut flowers.

FUNERAL WORK ORDERS, OUR SPECIALTY.

SINNER BROS.

WHOLESALE CUT FLOWERS

60 Wabash Ave., Chicago.

Careful attention to all

SHIPPING ORDERS.

Please mention the American Florist when writing.

Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO.

Telephone, Central 3884.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO,

Wholesale Dealers and Growers of Cut Flowers

GREENHOUSES: HINSDALE, ILL.

Be your own Commission Man

THE

FLOWER GROWERS' MARKET

furnishes the facilities.

See PERCY JONES, Mgr.

60 Wabash Ave., CHICAGO.

Please mention the American Florist when writing

Vaughan & Sperry,

Wholesale Florists,

58 and 60 Wabash Ave., CHICAGO.

WRITE FOR SPECIAL PRICES.

Please mention the American Florist when writing.

PETER REINBERG

Grower and Wholesaler of Cut Flowers.

1,200,000 feet of glass.
Headquarters for American Beauty.

51 Wabash Ave., CHICAGO.

Please mention the American Florist when writing.

Poehlmann Bros. Co.

Wholesale Growers of and Dealers in Cut Flowers.

All telegraph and telephone orders given prompt attention.

Greenhouses: MORTON GROVE, ILL.

35-37 Randolph St., CHICAGO.

Please mention the American Florist when writing.

WEILAND-AND-RISCH

Wholesale Growers and Shippers of

CUT FLOWERS

59 Wabash Ave., CHICAGO.

'Phone Central 879.
Write for our wholesale price list.

WHOLESALE FLORISTS

WIETOR BROS.,

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.

51 Wabash Ave., CHICAGO.

Chicago.

TRADE A LITLE SLOW.

Trade still remains slow, the dull weather being a large factor and the approaching holiday perhaps another. One large grower asserted that but for the shipping trade last week the market would have gone to smash. Still there were one or two days when the local demand assumed quite a normal tone. Chrysanthemums are coming in plentifully as ever, especial the white and yellow varieties. The pink, too, are fairly abundant, and the deep red Intensity is also seen. Roses are abundant enough this week, there being plenty of American Beauty to go around. Bride and Bridesmaid are the varieties in largest supply, other tea roses also coming in nicely. Carnations are good property this week. The crop is fairly heavy but prices remain at a fair figure. Enchantress is the carnation seen in the greatest quantities, with Boston Market, White Cloud and Lawson also well in evidence. Violets are short, most of the supply going to help out at the New York horse show. Lily of the valley too, is a scarce article. Paper White narcissus is showing up on many counters. Sweet peas, mignonette and bouvardia are also among the offerings. Green goods of all sorts are in abundant supply. Boxwood is now offered in quantities and is meeting with a very satisfactory demand.

HEAVY STOCKS OF GROWERS AND DEALERS.

There is every prospect of a good Thanksgiving business this year. As one grower may be in full crop with one kind of stock and another grower as well supplied with a different kind, we submit herewith a report of the heavy supplies in sight as gleaned from various concerns in the wholesale market:

Poehlmann Bros. are cutting yellow and white Eaton, Golden Wedding, yellow and white Bonnaffon, Maude Dean, Englehart and Mrs. Perrin chrysanthemums. Roses are also in good crop, Richmond, Kate Molton and an unnamed sport from Chatenay, of a darker pink than the parent variety. Harrisi lilies and stevia are also shown in quantities.

Wietor Bros. will cut for Thanksgiving some excellent chrysanthemums, especially golden and white Chadwick, Golden Wedding, yellow and white Eaton and yellow and white Bonnaffon. They will also be in with a fine cut of tea roses and prospects are for a good cut of American Beauty.

The E. F. Winterson Co. is supplying quantities of Paper White narcissus to the retail trade. Mr. Winterson says that while it is a little early for this fine flower to be in stock still he has been furnishing it to the Ernst Wienhoeber Floral Co. for the past five weeks.

Weiland & Risch are having a fine cut of roses and carnations. Violets are also a leading specialty with Weiland & Risch, who are contemplating the erection of a new range of eight houses for violets and lily of the valley as early as the frost is out of the ground.

J. A. Budlong is cutting Bride, Bridesmaid, Richmond and American Beauty roses. Carnations and violets are also a strong feature. In chrysanthemums the largest offerings will be of white and yellow Eaton, Golden Chadwick and Jeanne Nonin.

Bassett and Washburn are coming in with white and yellow chrysanthemums of choice commercial varieties. Tea roses, such as Maid, Bridesmaid, Chatenay and the red sorts. Carnations also are coming in heavily.

Scheiden & Shoos have a good lot of yellow and white Eaton and Ivory chrysanthemums coming in. Their carnations are also in fine crop, especially Enchantress.

Percy Jones is receiving a fine grade of Bonnaffon and Chadwick chrysanthemums, both yellow and white, also the leading varieties of carnations and roses.

Sinner Bros. will have their usual supplies of Bride and Bridesmaid roses, carnations and chrysanthemums. Paper White narcissus is also offered.

The Benthey-Coatsworth Co. will have their customary crop of the leading tea-scented roses.

The Chicago Rose Co. is handling a fine lot of Bride, Bridesmaid, Killarney and Richmond roses, also an excellent grade of chrysanthemums.

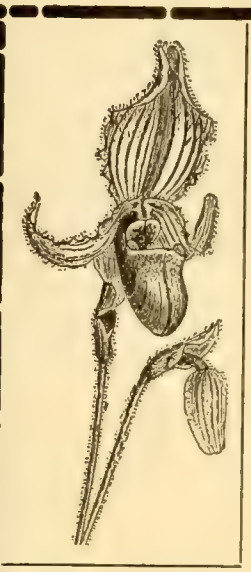
The Kennicott Bros. Co. have a plentiful supply of carnations. This firm is also receiving an excellent cut of Bonnaffon chrysanthemums.

Vaughan and Sperry are displaying with satisfaction some extra fancy Queen, Lawson and Enchantress carnations.

E. H. Hunt will have on hand chrysanthemums, also Bride and Bridesmaid roses, sufficient for all calls.

Chas. W. McKellar is in receipt of some fine Dendrobium Phalænopsis and D. formosum.

The J. B. Deamud Co. has just received a fresh supply of boxwood in all sizes.



ORCHIDS

MY SPECIALTY

Thanksgiving Price List

BEAUTIES	Per Doz.
30 to 36-inch	$5.00 to $6.00
24 to 30-inch	4.00 to 5.00
15 to 20-inch	2.00 to 2.50
8 to 12-inch	1.00 to 1.50
Shorts, per 100	5.00 to 6.00

ROSES—(Teas)	Per 100
Bride, Maid and Perle	$5.00 to $8.00
Richmond and Liberty	5.00 to 10.00
Golden Gate and Chatenay	5.00 to 8.00
Roses, my selection	4.00
CARNATIONS	3.00 to 4.00
" Fancy	5.00 to 6.00
ORCHIDS, Cattleyas per doz	6.00 to 7.50
Dendrobium "	4.00 to 5.00
Assorted, box	$5.00 to 25.00

Florists' Supplies of all kinds at lowest prices

MISCELLANEOUS

Asparagus Strings, each	.40 to .50	Gardenias, doz.	$4.00 to $5.00
Asp. and Sprengeri, bunch	.25 to .50	Mums, fancy, doz	$3.00
Adiantum, per 100	1.00	Ordinary, doz.,	$1.50 to $2.00
Ferns, Common, per 1,000	1.50	Violets	1.00 to $2.00
Galax, G. and B " "	1.00 to 1.50	Valley	3.00 to 4.00
Leucothoe Sprays " "	7.50	Valley, special fancy	5.00
Wild Smilax, 50-lb. cases	5.00	Harrisii and Callas	15.00 to 20.00
Sheet Moss, per bag or bbl	2.50	Smilax, per doz	1.50

Per 100

SUBJECT TO MARKET CHANGE.

Give me your advance orders for Thanksgiving and you can feel assured of securing the best stock this market supplies.

CHAS. W. McKELLAR

51 Wabash Avenue :: :: CHICAGO, ILL.

Please mention the American Florist when writing.

"THE BUSIEST HOUSE IN CHICAGO."

...WE OFFER...

Beaven's Fadeless Sheet Moss

Wild Smilax, Fancy Ferns, Roses, Carnations, Violets, Valley, Pansies

and all CUT FLOWERS in season.

J. B. DEAMUD, Pres.
W. P. KYLE, Vice-Pres.
ALEX. NEWETT, Mgr.

J. B. DEAMUD CO.,

51 and 53 Wabash Ave., CHICAGO.

WHITE VIOLETS, $2.00 per 100.
S. S. PENNOCK-MEEHAN CO., 1610-1618 LUDLOW ST., Philadelphia, Pa.

Philadelphia.

DEMAND FAIRLY ACTIVE.

Business the past week opened up very slowly, but was better by Saturday, when the large football game at Princeton and the Michigan-Pennsylvania struggle in this city created quite a demand for flowers of the college colors. We extend our sympathy to the west, which they will probably return with interest some time next November. Chrysanthemums now rule the flower market, there being quantities of choice blooms on hand all the time. Prices range from $1.50 to $3 per dozen. Bonnaffon, Maud Dean and Jerome Jones are the favorites in their colors. Roses are selling well considering the competition they have. American Beauty is in demand at good prices from $1.50 for 15 to 18 inches to $4 per dozen for the specials. Killarney is still the favorite pink and looks good to hold all winter if not for all time. If it does not displace the Bridesmaid, it will hold its own in the race and has certainly come to stay. Carnations are improving. Robert Craig is showing up as a great scarlet, as is also the Victory. The price for these and other specials holds at $4. Violets were very scarce last Saturday. The New York section furnished most of the doubles, which ranged in prices from $1.25 to $2 per 100. Orchids have been in good demand; the cattleyas, being very scarce, advanced to 60 cents each. Cypripediums sell from 12 cents to 15 cents. Narcissi are in and are selling at from $3 to $4. Chrysanthemums in pots are having their innings, many of them being used in the decorations. Some of the stocks are very fine.

NOTES.

H. Baversdorfer & Co. removed to their new store and factory, 1129 Arch street, November 19. Here they have a building in the center of the city with a floor space of 26,000 square feet. There are four floors, a large airy basement and a roof garden, where the band will play next summer. The first floor contains the offices and large show rooms, while the second floor is entirely filled with the very best in the basket line. Such an assortment is seldom seen and we question if its equal is to be found in the country. The third floor contains large stock rooms and on the fourth is the factory or creative department where the staple goods are manufactured and the new ideas and novelties are worked out. Above this is the roof garden, which will be useful also in many other ways. A large elevator in the rear runs from basement to fourth floor. Altogether it is one of the most complete establishments of its kind in the country, while the central location right in the business center of the city will be a great accommodation to the trade. Messrs. Bayersdorfer and Berkowitz are to be congratulated on their enterprise in making this move.

The Leo Niessen Co. is again first in with the bronze galax, the shipments arriving November 14. They are a fine lot of well colored leaves. A splendid lot of American Beauty roses are seen here and the outlook for Christmas is very promising, as Mr. Niessen says his growers report a splendid December crop.

S. S. Pennock-Meehan Co. is very busy in all departments. From eight to nine in the morning its store is crowded with customers and with its 35 employes all hustling about the place has every appearance of an up-to-date market.

Wm. McKissick offers new and scarce things, bouvardias, sweet peas and other odd things that gladden the heart of the retailer. His stock of pompon chrysanthemums is holding out and selling well.

Stoke's Seed Store is a very busy place these days. Large quantities of bulbs have been handled, while the demand for lily of the valley pips, a specialty here, is away ahead of last season. K.

Boston.

TRADE DULL.

The past week has been a dull one, with no great demand for any particular class of work, making the market lifeless, in contrast with the activity which for the last fortnight has kept the retailers on the jump. This condition is the result of the first severe weather of the winter, the temperature reaching 23° on two days, also a continued spell of dark weather which resulted in a shrinkage of the general stock. Carnations and violets shortened up exceedingly towards the end of the week. The famine in the violet market was most seriously felt and the prices ran up quickly, reaching impossible figures for the small purchasers. Few were sold at less than 75 cents per 100 while many brought $1. All the week carnations had been very plentiful and reasonably cheap, but they too felt the effects of the poor growing weather. Chrysanthemums occupy the most prominent position on the market and are the best products seen this season in this line. All the best varieties are being cut but still the stock is below the standard for this time of year. Yellow and white Timothy Eatons find most favor with buyers and their customers, and are really satisfactory varieties. Excellent Bonnaffon of a grade above the average is among the best varieties on sale at present. Dr. Enguehard is no doubt the best pink bloom and Maud Dean and Mrs. Perrin rank next. The demand for roses has fallen off slightly, their quality also has deteriorated. American Beauty roses continue to sell well and for the greater part are medium grade in length of stem, while the blooms are equally as good as on the longer grades. Killarney is rapidly improving and popular. Gardenias and orchids, especially cattleyas, are very plentiful, the demand constantly growing.

NOTES.

The annual meeting of the Massachusetts Horticultural Society was held November 17 at Horticultural Hall. The principal business before the meeting was the election of officers, and with two popular candidates up for the position the contest was very sharp and spirited. Stephen M. Weld was finally found to have been elected over his rival, Warren R. Rawson, of Arlington. Mr. Weld lives in Dedham and comes of an old and wealthy family which for generations has been prominent in the highest social and business circles of the state. He is identified with the cotton trade and a veteran of the civil war. Many of his relatives have been interested in the society since its inception and adorning the wall of the hall at present is a portrait of Aaron D. Weld, one of the new president's ancestors.

Arthur F. Estabrook, the retiring president, called the meeting to order at 11:15. Hon. Aaron Low, of Hingham, read a memorial in honor of the late Benjamin P. Ware, of Marblehead, for 41 years a member of the society, for the last seven of which he was its vice-president. The sum of $5,500 was voted for prizes and gratuities for the ensuing year. Other officers chosen were Charles S. Sargent, of Brookline, vice-president for two years; W. N. Craig, A. F. Estabrook, J. K. M. L. Farquhar and A. D. Hill trustees for three years; W. H. Heustis, A. F. Estabrook, William Nicholson, E. B. Wilder and Loring Underwood for the nominating committee.

Leonard J. Doyle, son of the well known retail florist, Wm. E. Doyle, died suddenly November 12 at 10:30 p. m. While in his usual good health and spirits he was suddenly stricken with heart disease at his father's home where he resided. He was very well known among the trade, being connected with his father's business, and his death was a great shock to his numerous friends, among whom he had been spending the evening.

W. H. Elliott and Alexander Montgomery have returned from the west where they have visited many of the famous growing establishments and in which they were greatly interested. Glowing tributes from these well known propagators are being paid to the abilities and accomplishments of their western fellow craftsmen.

Pierce Bros. are rather late in the chrysanthemum market but they have made up for their delay with the quality of their stock. They are now cutting in quantities a fine stock of superb white and yellow Eaton which are among the best blooms displayed this season.

Mann Bros. are now cutting the first of their large crop of Easter lilies, which are from a July planting. This is unusually early for these flowers and their stock is larger than ever this season. B.

Beauties

THE BEST AND THE LARGEST STOCK IN PHILADELPHIA.

THE LEO NIESSEN CO.

WHOLESALE FLORIST.

Open From 7 A. M. to 8 P. M.

1217 Arch St., PHILADELPHIA, PA.

Chrysanthemums

ANY GRADE. ANY VARIETY. ANY QUANTITY.

PITTSBURG FLORISTS' EXCHANGE, Pittsburg, Pa.

NOW READY

to fill orders for **American Beauties, Lily of the Valley, Carnations** and all varieties of **Tea Roses** in lots of one hundred to one thousand at short notice. Get our prices before ordering elsewhere.

WELCH BROTHERS, 226 Devonshire St., BOSTON, MASS.

ASPARAGUS PLUMOSUS NANUS.

Cut Strings, 50 cents each.

W. H. ELLIOTT, Brighton, Mass.

THE

J. M. McCullough's Sons Co.

Wholesale Commission Florists.

CONSIGNMENTS SOLICITED.

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES, SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

Please mention the American Florist when writing.

THE

Rose Pink Enchantress

Is the best and the most profitable pink carnation in sight. If ever you had a good thing on your bench you will be sure to find one in the

Rose Pink Enchantress

Ask me who has it in your neighborhood, and I will unhesitatingly refer you to your own neighbor. It is **THE** carnation to grow.

Price:—Strong rooted cuttings, $7.00 per 100; $60.00 per 1000. Address

S. S. SKIDELSKY,

824 No. 24th Street, PHILADELPHIA, PA.

Please mention the American Florist when writing.

Holton & Hunkel Co.

Wholesale Florists

Milwaukee, Wis.

Please mention the American Florist when writing.

H. G. BERNING,

Wholesale Florist

1402 Pine St., ST. LOUIS, MO.

Please mention the American Florist when writing.

Wholesale Flower Markets

PHILADELPHIA, Nov. 21.

Roses, Tea	3 00@ 4 00
" " extra	6 00@10 00
" Liberty	4 00@15 00
" Queen of Edgely, extra	16 00@35 00
" " " first	12 00@15 00
" Beauty, extra	16 00@35 00
" " first	12 00@15 00
Carnations	2 00@ 5 00
Lily of the Valley	2 00@ 5 00
Asparagus, bunch	25 00@50 00
Smilax	15 00@20 00
Adiantum	1 00@ 1 50
Cattleyas	50 00@60 00
Gardeniaa	40 00@50 00
Lilium Harrisii	12 50@15 00
Violets, single	50@ 75
" double	75@ 1 50
Chrysanthemum special	40 00@50 00
" extra	20 00@30 00
" medium	10 00@16 00

BOSTON, Nov. 21.

Roses, Beauty, best	25 00@35 00
" " medium	12 00@20 00
" " culls	2 00@ 8 00
" Bride, Bridesmaid	2 00@ 4 00
" Extra	6 00@ 8 00
" Liberty	6 00@25 00
Carnations	1 00@ 2 00
" Fancy	2 00@ 3 00
Lily of the Valley	2 00@ 4 00
Smilax	8 00@12 00
Adiantum	1 00@ 1 50
Asparagus	35 00@50 00
Sweet peas	25@ 75
Violets	50@ 75
Asters	75@ 1 00
Gladioli	2 00@ 4 00

BUFFALO, Nov. 21.

Roses, Beauty	30 00@40 00
" Bride, Bridesmaid, Meteor	3 00@ 8 00
Carnations	1 50@ 3 50
Lily of the valley	3 00@ 4 00
Asparagus, strings	40 00@50 00
Smilax	12 00@15 00
Adiantum	75@ 1 50
Lilies	5 00@15 00
Chrysanthemums	5 00@20 00
Violets	1 00@ 1 25

THE ART OF Floral..... Arrangement.

The first special newspaper in the world for floral arrangement.

250 ILLUSTRATIONS ANNUALLY.

Specimen number free. Subscription, $2.40 yearly.

BINDEKUNST-VERLAG, J. Olbertz, ERFURT, GERMANY.

Please mention the American Florist when writing.

J. B. MURDOCH & CO.

WHOLESALE FLORISTS,

FLORISTS' SUPPLIES.

545 Liberty Ave., PITTSBURG, PA.

Please mention the American Florist when writing.

C. A. KUEHN,

Wholesale Florist,

922 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

Please mention the American Florist when writing.

POMPON CHRYSANTHEMUMS. ALL SEASONABLE CUT FLOWERS.

ABSOLUTELY THE BEST POSSIBLE SERVICE.

W. E. McKissick

WHOLESALE FLORIST.

Business Hours 7 a.m. to 8 p.m.

1221 Filbert Street, PHILADELPHIA, PA.

Nephrolepis Whitmani

2¼-inch, $25.00 100,

Boston Ferns 2¼-in. $3.00 per 100.

Henry H. Barrows & Sons, WHITMAN MASS.

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

New York.

MARKET QUIET.

Considering the time of year there is a lack of the vim and snap which one might very naturally look for in the market at the present. Arrivals clean up, it is true, but here and there transactions are closed on a sacrificial basis. The speculator and street merchant are both needed factors in the daily consumption of stock although the deals made do not appear as such on the commission man's books. The violet problem has been somewhat bothersome during the past few days. A steady advance in values culminated on Saturday in a price beyond the reasonable quotation mark, and there has been some effort made to keep values somewhere near the point attained. The Yale-Princeton football game at Princeton last Saturday undoubtedly helped the situation, but whether or not it can be continued remains to be seen. The supply of violets in this city this season is, beyond question, lighter than in previous years, and growers' shipments to the west are known to be larger. Roses are not particularly lively in their movement and really good stock is not too plentiful. Poor stock is heaped on every hand, and it is sometimes surprising that it moves at all. American Beauty is at about the perfection point. Killarney and Chatenay are good things which require very little pushing when they approach the required standard. Bride is in somewhat better supply than it has been but is still far from being plentiful. Carnations are not over plentiful, and the general run of arrivals is a little off in quality. Some of the newer sorts are to be found on the wholesalers' tables, notably Winsor and Mrs. C. W. Ward. Enchantress appears to be more popular than ever this season in spite of its sleeping propensities. Chrysanthemums are about at their zenith, but values are still good. Varieties like Bonnaffon, Appleton, Wm. Duckham and Ivory hold up the top of the price scale. There is quite a lot of bouvardia coming in, with the new large flowered variety quite prominent. Jasmine is also arriving daily from a New Jersey grower, and sells readily. Paper White narcissus is making its appearance.

NOTES.

Large fir cones seem to be the thing for use in Thanksgiving window settings with a light strewing of autumn leaves, and a plant background. They help out a show of chrysanthemums wonderfully. Fleischman has a window setting typical of horse show week. A number of small bronze horses are disposed in open array on the window base, with chrysanthemums and American Beauty roses.

One of the novelties seen among prominent retailers is a birch bark plant holder, a flaring square in shape, with hand painted Indian figures and camp scenes on the panels.

According to figures recently put out by the new bureau of municipal investigation the cost of maintenance of the parks of Greater New York for the past year was $2,803,357.

R. Dreyer, of Woodside, L. I., is very strong just now on small ferns. His shipments to wholesale districts show stock of the highest quality.

C. H. Totty continued his western trip to Nevada where he inspected some mines in which he is interested. He arrived home this week.

Frank Reffa has moved from Cypress Hills and is now running four greenhouses at Highland Park, where he is growing general stock.

The plant wagon has been a familiar object in front of C. W. Eberman's store this week.

Anton Schultheis is sending in some fine lily of the valley to Joseph Fenrich.

Washington.

BUSINESS RATHER QUIET.

With President Roosevelt in far-away Panama, with half of the cabinet officers resting after their strenuous efforts to save the country, and the other half in a flutter over contemplated cabinet changes, for the present, social functions have sunk to insignificance. There has, however, been quite a brisk counter trade in chrysanthemums and other cut stocks, though good carnations are still scarce. Roses steadily improve in quality and many good blooms are being used in funeral work.

NOTES.

Though Washingtonians cannot vote, they take keen interest in the political fate of many members of congress, particularly those who have been prominent in the affairs of the district, or who for other reasons have become well known and popular. There is regret over the defeat of Representative Wadsworth, of New York, chairman of the house agricultural committee. Mr. Babcock, of Wisconsin, chairman of the district committee, has also fallen. His position brought him in close relations with the citizens of Washington, by whom he was highly esteemed. On the other hand, there is a feeling of exultation with many, that several of the young and popular men of the house will come back with flying colors. Of these, Nicholas Longworth, the president's son-in-law, Butler Ames, of Lowell, Mass., and Phil. Campbell, of Kansas, may with others, be mentioned as favorites with society and business people.

The chrysanthemum shows at the Department of Agriculture and U. S. Propagating Gardens have been great attractions during the week. On November 7 there were a number of distinguished visitors, among them being Viscount Aoki, ambassador from Japan to the United States, and Sir Chentung Liang-Cheng, Chinese minister. As Japan is supposed to be the "ould sod" of the plant, a chrysanthemum opinion from its official representative must be worth something. So, when he said that the flowers in the show at the gardens were larger and better than any he had ever seen at home, everybody conceded that the matter was settled, and, the next time Mrs. Millyuns swats a Washington florist with the chrysanthemum I bought in Japan, she will get the viscount's remarks handed back to her.

The regular monthly meeting of the Florists' Club was held on the night of November 6, election night. The place of meeting has been changed from the Scottish Rites hall to 1214 F street, over the Gude Bros. Co.'s store. As the interest in the elections overshadowed all other matters but little business was transacted.

Ask a Frenchman for something good to eat and a Chinaman for something new to eat. This is where Sir Chentung comes in. He says that chrysanthemum leaves make a good salad if they are properly prepared. This should be good news to some of the retailers who usually get overstocked about this time.

Christian Schellhorn is making a fine cut of yellow and white Bonnaffon chrysanthemums. His roses and general stock are also keeping well up in the procession.

Other notable visitors to Col. Brown's show were the French ambassador, M. Jusserand, and his wife, both noted for their love of flowers.

Both shows have had many visitors, the department being open each evening until 9.30.

The Minder Bros. are sending in fine blooms of the pink chrysanthemum Amorita. S. E.

Department of Agriculture Plant Pointers.

Just now, very interesting features of the work at the above named department's plant bureau, are the carnations and chrysanthemums. Dr. Galloway, chief of the bureau, Prof. Woods, vegetable pathologist, and E. M. Byrnes, superintendent of greenhouses, all take great interest in the flowers which are the staple product of commercial greenhouses. They have labored and will labor for the improvement of old varieties by careful experiments in culture. Prof. Woods has made valuable contributions to current information on the diseases of carnations and their remedies. The results of the work of Prof. Woods and his associates in the division of vegetable pathology have been from time to time recorded in bulletins sent out by the department. These bulletins contain information valuable to all who may find it necessary to contend with diseases of plants.

Superintendent Byrnes is now taking great interest in his chrysanthemum exhibit. A yellow seedling of 1905, which was named Mrs. Roosevelt by Secretary Wilson, shows up this year in fine form. It is just the size for a good commercial chrysanthemum, incurved and compact, the color being a golden yellow. The foliage is all that could be desired.

George W. Oliver, the expert plant breeder of the bureau, is constantly at work on something in the line of hybridization. At present there is to be seen a large number of seedling carnations. In the lot are several that give promise of future prominence in the carnation world.

There is an interesting and very handsome exhibit of pompons, ideal as pot plants. Noteworthy are Fred Peele, pink, and Ruby Queen, the name of the latter indicating the shade of color.

Though now under glass, the plants which comprise this exhibit were grown in pots in open frames. S. E.

Orchids!

ARRIVED IN FINE CONDITION.

Cattleya Harrisoniae, C. Intermedia, C. Gigas, C. Trianae, C. Speciosissima, C. Leopoldii, Laelia purpurata, Oncidium varicosum Rogersii, Marshallianum, Phalaenopsis amabilis and P. Schilleriana.

Lager & Hurrell, SUMMIT, N. J.

Orchid Growers and Importers.

HORACE E. FROMENT, Wholesale, Commission,
Successor to William Chormley.
Orchids, Roses, Carnations, Valley, Lilies, Etc.
57 West 28th Street, NEW YORK CITY.
Telephones 2200 and 2201 Madison Square.

WE WILL CUT **20,000 Cattleya Labiata**
FLOWERS, ALSO PLANTS IN BLOOM, ALL AT THE LOWEST MARKET PRICES.
SIEBRECHT & SON, ...ROSEHILL NURSERIES.. NEW ROCHELLE, N. Y.

Choice Carnations. Selected Roses.
Traendly & Schenck
NEW YORK CITY,
44 W. 28th Street, Cut Flower Exchange.
New Telephone No. 798 & 799 Madison Sq.
Please mention the American Florist when writing.

CARNATIONS
MY SPECIALTY
Consignments Solicited. Prompt Payments
Established 1891.
Alfred H. Langjahr, 55 W. 28th St., NEW YORK.
Telephone 3924 Madison Square.
Please mention the American Florist when writing.

FORD BROS.
Receivers and Shippers of
Fresh Flowers
48 West 28th St. NEW YORK.
Telephone 3870-3871 Madison Sq.
Please mention the American Florist when writing.

N. Y. Cut Flower Exchange
Coogan Bldg., 6th Ave. & W. 26th St., New York.
Open for Cut Flower Sales at 6 o'clock Every Morning.
Desirable Wall Space to Rent for Advertising.
V. S. DORVAL, JR., Secretary.
Please mention the American Florist when writing.

JOHN P. SCHERER,
Wholesale Dealer in
EVERGREENS, GALAX, FERNS and DECORATIVE SUPPLIES.
I can supply everything needed in the way of GREENS OR MOSS.
636 Garden St., UNION HILL, N. J.

ORCHIDS
Largest Importers, Exporters, Growers and Hybridists in the World.
SANDER, St. Albans, England.
NEW YORK OFFICE: Room 1, 236 Broadway. T. MELLSTROM Agent.

Charles H. Totty
WHOLESALE FLORIST
Chrysanthemum Novelties A Specialty. MADISON, N. J.

ORCHIDS...
(28 HOUSES)
Imported, semi-established, established, and fine Hybrids. Stove and greenhouse plants.
Inspection invited. Correspondence solicited.
JULIUS ROEHRS CO., Rutherford, N. J.

Wholesale Flower Markets

NEW YORK, Nov. 21.

Roses, Beauty, best	10 00@20 00
" " medium	5 00@10 00
" " culls	1 00@ 4 00
" Liberty, best	3 00@ 7 00
" " culls	1 00@ 2 00
" Bride, Bridesmaid, G. Gate	50@ 5 00
" Kaiserin, Carnot	1 00@ 6 00
Carnations	1 00@ 1 50
" fancy and novelties	2 00@ 4 00
Lily of the valley	1 00@ 4 00
Lilies	6 00@15 00
Violets	50@ 75
Smilax	6 00@ 8 00
Adiantum	50@ 1 00
Asparagus	20 00@50 00
Chrysanthemums, doz.	$0 50@$2 00

Thomas Young
WHOLESALE FLORIST.
43 West 28th St., NEW YORK.

Alex. J. Guttman
The Wholesale Florist of
NEW YORK.
Phone 1664-1665 Mad, Sq. 43 W. 28th Street.

Moore, Hentz & Nash,
Wholesale Commission Florists,
55 and 57 West 26th Street,
Telephone No. 756 Madison Square. New York.

N. Lecakes & Co.
53 W. 28th St., NEW YORK.

Tel. No. 1214 Madison Square

Stands at Cut Flower Exchange, Coogan Bldg., W. 26th Street & 34th Street Cut Flower Market. SPECIALTIES: Galax Leaves, Ferns and Leucothoe Sprays, Holly, Princess Pine and all kinds of Evergreens.
Green and Bronze Galax Leaves, $1.00 per 1000.

A. J. FELLOURIS,
J. J. Fellouris, Manager.

Wholesale and Retail Dealer in all kines of
EVERGREENS,
Fancy and Dagger Ferns, Bronze and Green Galax.

Telephone, 2675 Madison Square.
52 West 28th Street, NEW YORK.

George Cotsonas & Co.
Wholesale and Retail Dealers in all kinds of

Evergreens.
Fancy and Dagger Ferns, Bronze and Green Galax.
Phone 1202 Mad. Sq.

Main Store, 50 W. 28th St., NEW YORK

—FLOWERS SHIPPED BY—
JOHN I. RAYNOR
Are the best product of the best growers for the New York Market.
Adiantum Croweanum sold here exclusively.
49 W. 28th St., NEW YORK.
Tel. 1998 Madison Square.
Please mention the American Florist when writing.

Walter F. Sheridan,
WHOLESALE FLORIST,
Telephones 3532 and 3533 Madison Square.
39 West 28th St., NEW YORK.
Please mention the American Florist when writing.

J. Seligman. Joseph J. Levy
John Seligman & Co.
WHOLESALE FLORISTS
56 West 26th Street, NEW YORK.
OPPOSITE N. Y. CUT FLOWER CO.
Everything in Cut Flowers. Consignments from growers solicited. Prompt returns. Best prices. Satisfaction guaranteed. Tel. 4878 Madison.

PHIL. F. KESSLER
Wholesale Commission Florist
Telephones { 2921 / 5243 } Madison Square.
55 WEST 26th STREET,
Consignments solicited. Prompt payments. New York.

A. M. HENSHAW
Wholesale Commission Florist.
Consignments of first-class stock solicited. A Square Deal guaranteed to all who trade here.
Telephone 5583 Madison.
52 W. 28th St., NEW YORK

A. L. Young & Co.
WHOLESALE FLORISTS.
Consignments of choice cut flowers solicited. Give us a trial.
54 West 28th St, NEW YORK.
Telephone, 3559 Madison Square.

C. W. EBERMAN
Wholesale and Commission
PLANTS.
Consignments Solicited.
53 W. 30th Street, Telephone 3767 Mad. Sq. NEW YORK.
Please mention the American Florist when writing.

THE KERVAN COMPANY,
20 West 27th St., NEW YORK.
Wholesale dealers in fresh cut Palmetto and Cycas Palm leaves, Galax, Leucothoe, Ferns, Mosses and all Decorating Evergreens.

J. K. ALLEN.
Wholesale Commission Florist.
106 West 28th St., NEW YORK CITY.
Open every day at 6:00 A.M. Tel. 167 Madison Sq.
Please mention the American Florist when writing.

CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

William H. Donohoe, No. 2 West 29th St., (One Door Off 5th Ave.) NEW YORK.

PHONES: 3034 and 3035 MADISON SQUARE.

Write, wire or telephone your orders to the above. Personal attention assured.

The best is none too good. Prices always right. Send me your next order.

DETROIT.

JOHN BREITMEYER'S SONS

Cor. MIAMI and GRATIOT AVES.

DETROIT, MICH.

...Artistic Designs...

High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

MILWAUKEE.

C. C. Pollworth Co.

MILWAUKEE, WIS.

Will take proper care of your orders in WISCONSIN.

INDIANAPOLIS.

Bertermann Bros. Co.

FLORISTS

241 Massachusetts Ave.. INDIANAPOLIS, IND.

ST. LOUIS.

Fred. C. Weber,

FLORIST,

4320-4328 Olive St., ST. LOUIS, MO.

Established 1873. Bell, Lindell 676.

DENVER.

The Park ...Floral Co.

J. A. VALENTINE, President. DENVER, COLO.

OMAHA.

HESS & SWOBODA,

Florists,

1415 Farnam Street. OMAHA, NEB

'Phone 1501 and L. 1582.

Please mention the American Florist when writing.

DENVER.

FLORAL DESIGNS AND FLOWERS.

Best Quality on Shortest Notice.

DANIELS & FISHER, DENVER, COLO.

Order by mail, telephone, telegraph or cable.

Cable address: "Daniels Denver."

LONDON PARIS BERLIN

A. Lange

Prompt Attention to STEAMSHIP ORDERS.

Main Address 40 East Madison Street, Heyworth Bldg. ...CHICAGO.

Agents in all Leading European Cities.

WASHINGTON, D. C.

Gude's.

CHICAGO.

P. J. HAUSWIRTH

Auditorium Annex,

CHICAGO.

Mail, telegraph or telephone orders filled promptly in best style.

BUFFALO.

Palmer's

Buffalo, N. Y.

W. J. Palmer & Son, 304 Main St.

WASHINGTON.

GEO. H. COOKE,

FLORIST

Connecticut Avenue and L Street, WASHINGTON, D. C.

KANSAS CITY.

Samuel Murray

...FLORIST...

Coates House Conservatory

1017 Broadway, KANSAS CITY, MO.

Both 'Phones 2670 Main.

Write, Telephone or Telegraph. All orders given prompt attention.

KANSAS CITY.

GEO. M. KELLOGG,

906 Grand Avenue,

KANSAS CITY and PLEASANT HILL, MO.

Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

BROOKLYN, N. Y.

Robert G. Wilson

Fulton St. and Greene Ave. BROOKLYN

Greenhouses: Short Hills, N. J.

—Deliveries in—

Greater New York, Long Island and New Jersey.

Trade orders from all parts of the country filled for delivery at residence, steamer, hotel, or theater on wholesale basis. Satisfaction guaranteed. Wire or telephone.

ST. PAUL.

HOLM & OLSON,

ST. PAUL.

THE LEADING FLORISTS OF THE NORTHWEST

Orders will be well cared for anywhere in Minnesota and the Dakotas.

GALVESTON.

Mrs. M. A. Hansen,

—FLORIST—

Galveston, Texas.

Special attention given to Telegraph or Telephone Orders. 'Phone 1912.

JACKSONVILLE.

MILLS THE FLORIST,

36 W. Forsyth Street,

JACKSONVILLE, FLA.

WASHINGTON.

Mayberry & Hoover

Florists and Decorators

1339 Fourteenth St., Northwest

Telephone North 508. WASHINGTON, D. C.

New Orleans

CUT FLOWERS

For Tourists and General Trade.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, 838 CANAL ST.

COLUMBUS.

The Livingston Seed Co.

FLORISTS

Cover All Ohio Points. 114 North High St.

YOU WANT CUT FLOWERS

That you can sell to advantage. You want the **BEST STOCK,** and only the **BEST,** don't you? Then give us a trial. We have **every** facility for handling the choicest lines of seasonable stock—and we do.

FLORISTS' SUPPLIES are specialties of ours The most up-to-date and best of supplies can be obtained of us at lowest price. Try us once and we will get your future orders. Write for catalogue.

A. L. RANDALL CO., 19-21 Randolph St., Chicago

The Cleveland Cut Flower Company,

WHOLESALE CUT FLOWERS, FLORISTS' SUPPLIES, WIRE DESIGNS.

215 Huron Road, CLEVELAND, OHIO.

Cut Flowers or Designs

Will be delivered for the Trade on Wire or Ma Orders in Best Qualities and Prices.

ST. LOUIS.

Theodore Miller

FLORIST,

Long Distance Phone, Bell, Forest 56, Kinloch, Delmar 201. **4832 Delmar Boulevard ST. LOUIS, MO.**

Please mention the American Florist when writing

DAYTON, O.

Matthews,

FLORIST,

16 W. 3rd St., DAYTON, O.

Flowers in any arrangement for all occassions for Dayton and vicinity. Long dis. phones.

Please mention the American Florist when writing

ALBANY, N. Y.

EYRES

Flowers or Design Work.

DELIVERED IN ALBANY AND VICINITY ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

Please mention the American Florist when writing.

ROCHESTER.

J. B. KELLER SONS,

FLORISTS.

25 Clinton Ave., N., ROCHESTER, N. Y.

Rochester Phone 506. Long Dist. Bell Phone 2189.

Please mention the American Florist when writing

SAN FRANCISCO.

J. B. Boland Co.

Successors to Sievers & Boland,

FLORISTS,

47-49 Geary St., SAN FRANCISCO, CAL.

LOUISVILLE.

JACOB SCHULZ, 644 Fourth Ave., LOUISVILLE, KY.

Cut Flowers of BEST QUALITY in season delivered promptly to any address.

Write, Telegraph or Telephone.

Cumberland and Home Phones 223 and 984.

Please mention the American Florist when writing.

ATLANTA.

ATLANTA FLORAL CO.

41 Peachtree Street, ATLANTA, GEORGIA.

Please mention the American Florist when writing.

CHRYSANTHEMUMS

Large Stock Plants.

C. TOUSET, white	**CHADWICK,** white	**MONROVIA,** yellow
JEANNE NONIN, white	**GOLDEN CHADWICK**	**P. PLUMERIDGE,** yellow
BEN WELLS, whitk	**CHADWICK,** yellow	**DR. ENGUEHARD,** pink
EATON, white	**EATON,** yellow	**BALFOUR,** pink

Any of the above varieties, **$1.00 per dozen.**

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty..... WHOLESALE GROWER of **CUT FLOWERS**

FERNS.

Extra Fine and Cheap.

FROM BENCH. Boston, 3-inch 5c; 4-inch, 10c.; 5-inch, 12½c. Tarrytown, 3-inch, 10c.; 4-inch, 15c; 6-inch, 25c; Tarrytown Runners, fine stock, $2.00 per 100. Scottii, 3-inch, 8c; 4-inch, 12½c.

FLOWERING BEGONIAS, 8 kinds, 2-inch, 2½c.

ASPARAGUS SPRENGERI, 2½-in., $2.00 per 100.

Dbl. DAISIES, Longfellow, Delicata, $2 50 per 1000.

HARDY PINKS, field, Essex Witch, M. Gray, Abbottsford, 3½c.

Dbl. HOLLYHOCKS, 4 colors, field, 1 year, 3c

HARDY CARNATIONS, nice young plants from frames, $2 00 per 100.

REX BEGONIAS, 3-inch, 8c.

Cash or C. O. D.

BYER BROS., Chambersburg, Pa.

Please mention the American Florist when writing

MOBILE.

Chatogue Greenhouses

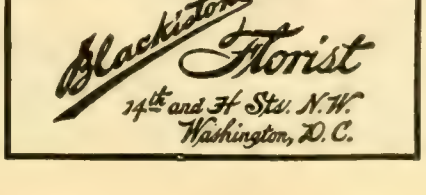
MOBILE, ALA.

TWO ACRES UNDER GLASS. ONLY HIGH CLASS FLORAL WORK OLICITED.

Orders to be delivered at short notice in or near Mobile or New Orleans will be executed with fresh stock from our mammoth plant by our own artist at Mobile, or **Mr. U. J. Virgin, New Orleans.** Orders by telegram at our expense. Address

F. P. DAVIS, Mobile, Ala.

Reference, R. G. Dunn & Co.



FERNS FROM BENCH.

BOSTONS, ready for 4 and 5-inch pots, $10.00 and $15.00 per 100 respectively.

CARNATIONS.

1500 Norway, extra large, healthy plants, $3.50 per 100; $30.00 per 1000.

ASPARAGUS.

Heavy, 2½-inch, plants, ready for a shift. Sprengeri, extra fine.. 3.00 per 100; 25.00 per 1000

JERUSALEM CHERRIES, 3½-inch, now in bloom, $4.00 per 100. These plants are ready for 5-inch

J. W. DUNFORD, Clayton, Mo.

Please mention the American Florist when writing.

Poehlmann Bros. Company

MORTON GROVE, ILL.

STOCK 'MUM PLANTS.

WHITE—Kalb, Alice Byron, Robinson, Adelia, White Bonnaffon, Crawford, Timothy Eaton, Chadwick, Merry Christmas, Willowbrook, Wanamaker.

YELLOW—Col. Appleton, Halliday, Yellow Eaton, Major Bonnaffon, Whilldin, Reiman, Merstham Yellow, Sunshine.

PINK—McNiece, Perrin, Enguehard, Maud Dean, Pink Ivory.

RED—Intensity.

$6.00 per 100; **75c** per dozen, for limited time. This stock will have to be moved to make room.

ORDER AS SOON AS POSSIBLE.

Please mention the American Florist when writing.

AMERICAN FLORIST ADS

Always do business
Week days and every day
Sundays and holidays
All over the country
At home and abroad

The Seed Trade.

American Seed Trade Association.
H. W. Wood, Richmond, Va., Pres.; C. S. Burge, Toledo, O., First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas. Twenty-fifth annual convention at New York, 1907

VISITED CHICAGO: Watson S. Woodruff, of S. D. Woodruff & Sons, Orange, Conn.

HOLLY.—The river bottoms in Tennessee, where the best holly grows, are under water this week with the highest floods recently known.

DES MOINES, IA.—The Iowa Seed Co. celebrated the thirty-sixth anniversary of the establishment of the firm November 9. Souvenirs of the occasion were given away to the hundreds of friends who called to congratulate the management. Thirty-six years of successful business has made the Iowa Seed Co. well known throughout the country and under the capable management of Chas. N. Page, immense strides have been made. A plot of ground containing 9,000 acres is used for seed growing, 31 greenhouses supply the cut flowers and many large warehouses are used for the seed and corn stocks.

ROGERS BROS., of Chaumont, N. Y., during the past few years have been gradually transferring their business of growing peas and beans to Alpena, Mich., growing their stock of peas in northern Michigan and their beans in central Michigan and western New York. They have recently sold their seed house at Chaumont to a milling concern which handles feed and farm produce. The Jefferson county, N. Y., section was once a favorable location for growing peas and beans, but the bugs became so thick and other conditions so unfavorable to the growing of peas that Rogers Bros., together with others in their line, were forced to grow their stock elsewhere.

Turf and Manure.

United States Vice-Consul C. Karminski, of Seville, writes concerning the effect of turf upon ordinary manure, as follows: Director Immendorff, of the agricultural test station at Jena, Germany, advocates the use of turf as a means of preserving manure. Results obtained through experiments in and about Jena demonstrates that the use of turf is far more efficient in preventing loss of nitrogen, while fermentation is in progress, than is sulphate of lime, phosphate of lime, sulphuric acid, etc. Turf permits the escape of but very little nitrogen, while the application of the above-named chemicals is most deficient in result and expensive. The discovery of Professor Immendorff merely corroborates experiments of a similar nature conducted by Italian agriculturists.

Farmers Hit Free Seeds.

A severe blow was dealt the free seed farce by the National Farmers' Congress, held recently at Rock Island, Ill. Congressmen have always claimed that the farmers wanted the seeds, but the farmers take a very different stand. Here, for instance, is a resolution adopted at the above meeting:

"Resolved, That we are opposed to the systems of seed distribution as now conducted by the federal government, but believe in the work of exploring foreign countries for such seeds and plants as may be profitably introduced into this country, and recommend that the money expended for seed distribution as now conducted be added to the fund for maintaining American seed and plant explorers in other countries, under direction of the United States Department of Agriculture, and the distribution of the same among the agricultural experiment stations of the country for practical test.

H. N. Bruns, Chicago.

This is an age of the specialist, and H. N. Bruns, though growing other stock well, has paid very special attention to importing and growing the very best lily of the valley. Three long low span roofed houses are devoted to the forcing of this important crop, each having closed-in benches on either side such as are generally used. A regular and large supply is kept up by planting almost daily and the plants can always be seen in every stage of development.

The average number planted weekly is 25,000, though many more are used at times of special stress. In all stages the plants look remarkably well, the crop now cutting having very large deep green foliage with flowers thrown well above it, the blossoms being plentiful on the spikes and large individually. The pips are planted closely and watered in, the lids of the cases being then put on, and they are kept quite in the dark until the flower spikes are well developed. The light is then gradually admitted and the foliage which up to now has been nearly white soon turns to a fine deep green.

This only applies to the cold storage pips that are used after the natural flowering season of the plants is over. The new crop of pips that come in autumn are grown in the full sun and light, so as to develop the leaves as much as possible. Otherwise flowers would be produced but no foliage, and this beautiful flower, more perhaps than any other, looks best when arranged with its own leaves.

As noting the reliable class of pips H. N. Bruns handles we looked through a whole large case containing some thousands of pips, and not one that we

CHINESE SACRED LILY BULBS

Imported direct from China—the finest bulbs procurable. Every florist should have them for store sale. Prices: Selected bulbs, **60c** per dozen; original basket, containing 30 bulbs, **$1.25**; per 1000, **$30.00.** Order to-day.

THE DINGEE & CONARD CO., Rose Growers
WEST GROVE, PA.

MUSHROOM SPAWN.

STYER

Frequent importations from England. Always fresh and lively.

J. J. STYER, Concordville, Pa.

THE FINEST VALLEY FOR EARLY FORCING NOW READY.

$14.00 per 1000; $1.50 per 100.

Selected Pips for forcing at all seasons.

THIS stock has been picked out with the greatest care. We feel satisfied that they will force out at Christmas or earlier and do splendidly. No better pips can be had. (All cold storage stock sold out.)

FANCY CUT VALLEY FOR THANKSGIVING.

H. N. BRUNS,
1409 W. Madison St., - - CHICAGO.

STOKES STANDARD SEEDS
ARE · MONEY · MAKERS
· Write · me · your · wants ·
STOKES SEED STORE
219 Market Street
Philadelphia

5,400 ACRES OF GARDEN SEEDS IN CULTIVATION.

Braslan Seed Growers Co.

WHOLESALE SEED GROWERS.

SAN JOSE, CALIFORNIA.

could see had missed flowering, or producing fine handsome leaves. But in a nearby case where a few hundreds that were purchased from another firm were grown there were quite a number that had never started at all, but damped off, while others that had started were not regular, yet the pips looked just as good when planted. This shows the absolute necessity of obtaining supplies from a firm who knows what it is handling, and how to handle it, if good results are looked for.

Pittsburg.

CHRYSANTHEMUMS TOO PLENTIFUL.

The climax of the chrysanthemum season came during the past week all kinds and varieties being present in such quantities that all could not be handled. The cool weather of the past few days shortened the supply very materially and by the week end they again were seen in movable quantities. Roses are over plentiful but still there are not enough carnations. Violets are still short of supply.

NOTES.

The Valley Greenhouses, Sewickley, and Patrick Maier, Millvale, are sending in an early cut of Paper White narcissus.

Mrs. Elicker of Homestead was severely shaken up in a street car collision November 16.

P. J. Demas has returned from a business trip in Ohio and West Virginia.

Geo. L. Huscroft left for New York during the week.

Visitors: J. N. Spanibel, East Palestine, Ohio: J. T. Neville, Chester, W. Va.; Martin Reauk of Philadelphia, and C. E. Sullivan of New York.

J.

DIGHTON, MASS.—Josiah T. Place is building a 25 by 100 foot greenhouse. He is stocking 30,000 geraniums and promises a fine display next spring.

HJALMAR HARTMANN & CO.

Growers for the Wholesale Trade Only.

31 Barclay St. NEW YOYK. | **12 Stormgade, COPENHAGEN.**

CAULIFLOWER and CABBAGE SEED

QUALITY SEEDS BULBS PLANTS

SEND FOR CATALOGUE.

ARTHUR T. BODDINGTON

342 West 14th St., New York.

SEEDS

If you are in need of any of the following, write us for prices.

Beet, Cabbage, Cannon Ball and Rocky Ford Musk Melon, southern-grown Watermelon, Bermuda and other Onion Seed, Okra, Mustard, French and California-grown Radish, Tomato, Mexican June Corn, Kaffir Corn, German Millet, Dwarf Yellow Milo Maize, Sugar Cane, Winter Barley, Red Rust Proof Oats, Cotton Seed, Whippoorwill and White Black-Eyed Field Peas, Spanish Peanuts, Johnson and Bermuda Grass.

TEXAS SEED AND FLORAL CO.

DALLAS, TEXAS.

J. STAER, Nurseryman and Seedsman,

WAHROONGA, New South Wales. AUSTRALIA.

Collector of Australian and Island Seeds and Plants. Palms, Ferns, Platyceriums, Orchids, Eucalyptus, ornamental trees and shrubs.

PALM SEEDS.

	Per 1000		Per 1000
Kentia Forsteriana	$1.25	Livistona Australis	.50
" Belmoreana	1.25	Bacularia Monostachya	1.50
" Canterburyana	3.00	Calamus Muelleri	1.50
" Moorei	12 00	Gymnostachys Anceps	2.00
Areca Baueri	1.00		
Seaforthia Elegans.	.50		

TREE SEEDS.

Castanospermum Australe.....$5.00 per 1000
Araucaria Excelsa..... 1.25 per 1000

PURE CULTURE

MUSHROOM SPAWN.

Per 10 bricks....$1.50 | Per 25 bricks..$ 3.50
Per 50 bricks.... 6.50 | Per 100 bricks.. 12.00

Fresh Tobacco Stems, in bales of 300 lbs., $1.50

W. C. BECKERT, Allegheny, Pa.

C. C. MORSE & CO.

SEED GROWERS.

171-173 Clay Street, : SAN FRANCISCO, CAL.

OUR SPECIALTIES: Onion, Lettuce, Sweet Peas; also Carrot, Celery Celeriac, Cucumber, Endive, Leek, Mustard, Parsley, Parsnip, Radish, Salsify, Spinach. Tomato and Flower Seeds.

Growers for the Trade on Contract.

Warehouses: at SANTA CLARA. | **Farms and Farm Headquarters: CARNADERO, near GILROY.**

Registered Cable Address: "Morseed," San Francisco.

Seasonable Bulb Stock

We call attention to a few leading varieties of which we have good stocks,

FINE FORCING STOCK OR FOR BEDDING,

which we can supply as long as unsold as follows:

NARCISSUS.

	Per 1000
Golden Spur, the favorite single yellow	$18.00
Grandee (Maximus)	10.00
Horsfieldi	16.00
Princeps, large Irish single trumpet Daffodil	7.00
Single Von Sion, very early, much earlier than Trumpet Major	11.00
Trumpet Major, French-grown, forces extra early	12.00
Double Von Sion, extra sized bulbs	12.00
Double Von Sion, mammoth double-nosed or top-root	20.00
Incomparable fl. pl	9.00
Incomparable Stella	5 50
Poeticus (Pheasant's Eye)	4.50
Poeticus Ornatus	7.00
Orange Phoenix	11.00
Giant Campernell (Jonquil-Rugulosus)	6.00
Double Jonquil	8.00
Bicolor Victoria, of great merit	$3.00 per 100 25.00
Barri Conspicuus	8.00
Silver Phoenix	20.00
Mrs. Langtry	10.00
Orientalis (Chinese Sacred Lily), bundle of 4 baskets 120 bulbs) for	$4.80

HYACINTHS.

Miniature or **Dutch Romans,** fine for pans or for cutting, and can also be used very satisfactorily for bedding: very cheap and very profitable. Per 100

Grand Maitre, Gigantea, Gertrude, King of the Blue, and La Peyrouse.....$1.75
Baroness Van Tuyll and Mme. Van der Hoop..... 2.25
Czar Peter..... 2.50

Fine Named, such as Albertine, Gertrude, Grand Blanche, Robt. Steiger, Mme. Van der Hoop, L'Innocence, Baron Van Tuyll (pink), Marie, Blocksberg, Bouquet Tendre, Flevo, Garrick, Bouquet Royal, La Virginite, Prince of Orange, etc., our selection of varieties.....$4 00 per 100; $30 00 per 1000

Where special varieties are wanted, write for price.

White Romans, selected bulbs, 13-15 cm.. .....$3.00 per 100; $25.00 per 1000

LILIUM LONGIFLORUM.

Japan-grown, 9-10 in. bulbs, case of 200 for $15.00
Japan-grown, **Multiflorum,** 7-9 in. bulbs, case of 300 for..... 15.00
Japan-grown, **Multiflorum,** 9-10 in. bulbs, case of 200 for..... 17.00

LILIUM LONGIFLORUM.

Japan-grown, **Giganteum,** 8-10 in. bulbs, case of 225 for.....$22.50

Freesia Refracta Alba. Per 1000
nest Bermuda bulbs.....$7.50
Lily of the Valley. Just arrived. Our finest perfection grade for earliest forcing, immediate delivery, case of 2,000 pips for.....$28.00
Gladiolus Colvilli alba, "The Bride"... 7.50
Gladiolus Colvilli rubra..... 6 50

Per 100

Astilbe, or **Spirea.** Ready for delivery.
Gladstone..... 8.00
Astilboides floribunda and Japonica.... 5.00
Compacta multiflora..... 6.00
Dielytra spectabilis, strong clumps... 8.00
Crocus, large sized bulbs in finest named varieties. Per 1000
David Rizzio, La Majesteuse, Mont Blanc, Prince Albert, Sir Walter Scott, etc..... 5.00
Separate colors, blue, white, yellow, and striped..... 3.00
Allium Neapolitanum..... 5.00
Anemones, single..... 4 00
Chionodoxa Luciliae..... 6.50
Grape Hyacinths, blue..... 3.50
" " white..... 6.50
Spanish Iris, mixed..... 2.50
Double Ranunculus, French..... 3.50
" " Persian..... 4.00
" " Turban..... 5.00
Scilla Campanulata cerulea..... 3 50
Snowdrops, Single and Giant..... 6.00
Sparaxis..... 3.50
Ixias, mixed..... 2.50
Oxalis, Bermuda Buttercup..... 6.00

TULIPS.

	Per 1000
Cottage Maid	$ 9.00
Keizerskroon (Grand Duc)	17.00
La Reine	8.50
Prince of Austria	24.00
Bizardres, mixed	7.00
Darwins mixed	10.00
Golden Crown	7.50
Parrots, named	12.00
Count of Leicester	9.00
Duke of York	9.00
Gloria Solis	12.00
Lady Grandison	12.00
Murillo	19.00
Peony Red	10.00
Rose Blanche	8.00

For other varieties, see our wholesale list, which will be sent on application.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York

The Nursery Trade

American Association of Nurserymen.
Orlando Harrison, Berlin, Md., President; J. W Hill, Des Moines, Ia., Vice-President; George C. Seager, Rochester N. Y., Sec'y.
Thirty-second annual convention, Detroit, Mich., June, 1907.

RIEHL'S Eclipse grape is believed to be a good one and is likely to be pushed the next year or two.

UNSIGHTLY walls or other places in the garden may be hidden by planting the pretty Spirea hypericifolia and allowing it to droop and run over them just in its own way, not troubling to prune it. It will grow anywhere, and the white flowers are very attractive in spring.

IN sheltered hollows, especially if the soil is inclined to be wet and peaty, the mollis and pontica varieties of azalea do finely, the beautiful soft tints of color and sweet perfume being in their favor. Peat is not exactly essential to their well being, any good soil being suitable that does not contain lime in quantity.

THE tree of Heaven, Ailanthus glandulosa, although a beautiful tree both in habit and appearance, should not be planted on a good lawn, as the falling leaf stems make an untidy mess in autumn. In a small state it is a fine subject for planting in the centre of subtropical beds, while as a full grown specimen it has few equals in grace of habit.

IN the more favoured locations aucubas should prove fine subjects for shrubberies and dressed grounds, but they are too tender for the more northern points. Although the foliage of the female plant is fine, even without the beries, yet a few of the male aucuba should also be planted, to ensure fertilization, and an abundant crop of the bright red berries. These, against the beautiful shining green and mottled leaves, have a fine effect.

MOST people are familiar with the common Weigela rosea, one of Fortune's many discoveries in China when he was collecting plants for the Royal Horticultural Society of England many years ago. But fine as this old shrub is, it is quite outclassed by the many new varieties since raised by hybridists and selectors. The flowers of these are larger and varied in color, while they are produced equally as freely as those of the old kind when the plants are well established.

NATIVE plants seldom get the attention they deserve, and this is true of the charming trilliums or wood lilies of the American and Canadian woods. Although they delight in the rich soil and abundant moisture of the cedar swamps, yet they do well in any moderately moist and shady part of the garden. Incidentally these wood lilies are fine for gentle forcing, or rather forwarding, in early spring. No great heat must be given but just the protection that a quite cool house affords.

EVERGREEN climbers are not too plentiful, and a really good one is the evergreen honeysuckle, Lonicera sempervirens. The foliage is a fine deep green, the tubular flowers bright scarlet and yellow. During the present autumn, in September, we noted in a northern garden a pretty combination of this fine honeysuckle on a wall, behind a border planted with the white Funkia grandiflora alba, and the effect was very fine. But the honeysuckle begins to flower early, and goes on until stopped by frost. It is quite hardy and thrives in any good garden soil.

As an effective plant for grouping for landscape work Yucca filamentosa should not be lost sight of. Frequently as it is grown as single specimens or in pairs, and it is very fine here, it is not sufficiently known as a good subject for grouping in prominent positions in the dressed grounds. It is always attractive, but doubly so in winter, when its fine green foliage shows up well among gloomy surroundings. The well known fine spikes of flower alone would make it well worth growing. Good culture is essential but not over rich soil. If the beds are well made in the first place, deeply dug and moderately enriched with manure, an annual or biennial dressing with compost or decayed manure will keep all good.

PERHAPS there is no other plant that a big display can be made with so cheaply as the oriental poppy. A packet of seed can be had for a few cents and from this hundreds of plants can be raised. Poppies do not take kindly to transplanting, so should be got into their permanent positions as soon as possible. The contrast of the immense scarlet flowers and the deep green fern like foliage is fine and there is nothing in the whole range of hardy flowering plants so effective in the landscape. The only requirements of this plant are ample room for its full development and a rich soil. Single specimens five feet high and 20 feet in circumference are not uncommon under these circumstances, and large blocks or beds may be planted, which during July and August will be quite a blaze of color. There are many light colored varieties but the crimsons and scarlets are best. Although strictly perennial the finest blossoms occur on two and three year old plants.

Cleveland, O

BUSINESS GOOD.

Chrysanthemums have full sway in this market at present, but there seems to be a scarcity of first class stock. Carnations are still scarce, hardly enough coming in to supply the demand. Violets are coming in fine, both double and single varieties selling well. Plenty of American Beauties are to be had, but like all other roses, take a back seat in chrysanthemum season. Pansies, sweet peas and lily of the valley have put in an appearance, and are picked up quickly by the retailers.

NOTES.

Westman & Getz have bought the interest held by Carl Hegenberger in the new store on 55th street and will carry on the business in the name of Westman & Getz.

Schraner and Steinbrenner had a fall opening to their customers November 17-18 which was well attended. Their display of plants and cut flowers was very fine.

The James Eadie Co. are sending in some of the finest chrysanthemums seen in this market. They retail all their product at their store on Euclid avenue.

Mrs. E. G. Wilson had some large pieces of floral work to send to Connecticut for the one hundredth birthday of Moses Cleveland.

F. W. Griffin will in the near future offer the trade a new plant stand for window display work which promises to be a hummer.

The F. R. Williams Co. are sending in some extra fine pansies; at present they have 3,000 plants to cut from, mostly purple.

Horace G. Weltz has opened a new store on E. 105th street, near Euclid avenue; this should prove to be a fine location.

After discontinuing the florist business for about a year G. H. Stehn will again open up a retail store on the south side.

OHIO.

Send to THE MOON Company
For Your { Trees, Shrubs, Vines and Small Fruits.
Descriptive Illustrated Catalogue Free
THE WM. H. MOON CO., Morrisville, Pa.
Please mention the American Florist when writing.

LARGE TREES.
OAKS and MAPLES.
PINES and HEMLOCKS.
ANDORRA NURSERIES,
Wm. Warner Harper, Prop.
Chestnut Hill, PHILA, PA
Please mention the American Florist when writing

Climbing Clothilde Soupert, Marie Pavic, Crimson Rambler and Dorothy Perkins
ROSES
Grafted Oranges and Kin Kans, Palms, Biota Aurea Nana, Conifers and other stock for Florists and Nurserymen,
IN IMMENSE QUANTITIES.
400 acres in Nurseries. 60,000 feet of glass. Catalog on application.
P. J. BERCKMANS CO. (Inc.) Fruitland Nurseries
Established 1856. AUGUSTA, GA.

PEONIES.

From our large and select stock, such as the following varieties:

Prince Charles.	Philomile.
Mons. Boquil.	Lord Salisbury.
Leonie.	Festiva.
Duchess of Sutherland.	Hypatia.
Rosea maxima.	Mons. Rousselon.
Mme. Furtado.	Mme. Moreau.

and many other good varieties all true to name.
Strong 1 year old.....$1.50 per doz.: $10.00 per 100
" 2 " " ..... 2 00 " 15 00 per 100

Iris Germanica, Mme. Chereau, Gracchus, Florentine, Socrates, Duchess de Nemours, Dr. Bernice and 20 other good sorts, $2.50 per 100; $22.50 per 1000.

Hemerocallis (Day Lilies), in 10 varieties, to clear, $3.75 per 100; $30.00 per 1000.

The Undermentioned are Strongly Recommended for Cut Work.

Delphinium Belladonna, distinct, continuous bloomer, lovely sky-blue, 1 year old plants, $6 25 per 100; $57.50 per 1000. 3 year old clumps, $8.75 per 100; $75.00 per 1000.

Chrysanthemum maximum King Edward, the finest and largest hardy White Marguerite, four F. C. C.'s and A. M., R. H. S., strong from ground, $8.75 per 100.

Lathyrus latifolius White Pearl, true from cuttings, flowers double the size of the old white variety, A. M., R. H. S., strong from ground, $16.25 per 100. Seedlings, not guaranteed, $12.50 per 100.

Buyers of **Begonias, Dahlias** and **Cannas** should see our catalogue and write for prices. Special terms for quantities.

THOMAS S. WARE, Ltd., FELTHAM, ENGLAND.
Formerly of Tottenham.

Please mention the American Florist when writing.

ROSES.

Heavy Native Grown Stock.

	Per doz.	100
Baby Rambler	$2.50	$20.00
Hermosa	1.65	12.50
Clothilde Soupert	1.65	12.50

Imported Roses

Extra Heavy Hybrid Perpetuals.

	Per 10	100
All leading varieties	$1.50	$12.50
Baby Rambler	2.00	17.50
Crimson Rambler	1.75	15.00

Hollyhocks.

A nice lot in separate colors...$7.50 per 100

PERENNIAL GARDENS CO., Toledo, O.

NURSERY STOCK

All kinds of Hardy Nursery Stock.
Ask for prices.

KLEHM'S NURSERIES,
ARLINGTON HEIGHTS, ILL.

Specimen Nursery Stock.

Deciduous Trees and **Shrubs, Evergreens, Rhododendrons, Azaleas.**
Over one hundred (100) acres of the choicest varieties. Send for price list.

COTTAGE GARDENS COMPANY,
Queens, Long Island, New York.

Please mention the American Florist when writing.

TREES AND SHRUBS.

We make especially low prices on **Nursery Stock** to Parks, Cemeteries, etc. Wholesale price-list on application. We carry immense quantities of the finest named varieties of

PEONIES.

PETERSON NURSERY 503 W. Peterson Ave. CHICAGO, ILL.

Please mention the American Florist when writing.

AZALEAS, PALMS, Etc.

Have a fine lot of Azaleas in the following varieties:

Apollo, red: **Hexe,** (Firefly) red: **Simon Mardner,** pink: **Vervaneana,** variegated: **Empress of India,** variegated: **Hermonie,** pink: **Helen Thielman,** pink: **Mme. Van der Cruyssen,** crimson: **Niobe,** white: **Prof. Walter,** variegated.

10 to 12 inches	$35 00 per 100.
12 to 14 inches	45.00 per 100.
14 to 16 inches	55.00 per 100.
16 to 18 inches	90.00 per 100.
18 to 20 inches	150.00 per 100.

LATANIA BORBONICA, strong, 4-inch	$15.00 per 100.
KENTIA BELMOREANA, 5-inch, strong, bushy	60.00 per 100.
NEPHROLEPIS ELEGANTISSIMA, 2½-inch	5.00 per 100.

THE STORRS & HARRISON CO.

PAINESVILLE, - OHIO.

Please mention the American Florist when writing.

HIBISCUS SYRIACUS MEEHANII

WE now offer to the trade our new hardy variegated leaf Hibiscus Syriacus Meehanii. This plant attracted much attention when exhibited at the American Nurserymen's Convention at West Baden, Ind., and American Florists' Exhibition at Asheville, N. C. Foliage beautifully variegated; never sun-scalds or reverts to the green; flowers single, very large, satiny lavender; blooms during four months; prices on application. Orders booked now.

P. J. BERCKMANS CO., Inc., Fruitland Nurseries, AUGUSTA, GA.

SEASONABLE STOCK FOR FLORISTS.

HYDRANGEAS FOR FORCING Otaksa and Thos. Hogg	With 7-12 flowering crowns	$12.00 per 100
	With 5-6 flowering crowns	9.00 per 100
	With 4 flowering crowns	7.00 per 100

From 6-inch pots and open beds; all out-door grown.

ROSES—Strong, 2-years, field-grown, selected for forcing.

Hybrid Perpetuals	$10.00 and $12.00 per 100
Crimson Rambler	9.00 per 100
Dorothy Perkins	7.00 per 100

And **LADY GAY,** a **new** hardy climbing rose of **exceptional merit;** ready **now,** from 2½-inch pots only. Write for prices.

JACKSON & PERKINS CO., Nurserymen and Florists, Wholesale Only, **Newark,** Wayne County, **New York.**

LEEDLE grown ROSES are now BIG

Floral Company, Springfield, O.

Expert Growers

Send for price list.

H.P.'s, H.T.'s, T.'s, R.'s, Cl's, B., etc.

101 best sorts on own roots, from 2½ in. and 4 in. pots.

values for the buyer

Send your want list.

PEONIES.

Queen Victoria (Whitleyii), per 100	$ 9.00
Festiva Maxima, per 100	30.00
Fragrans, "Late Rose" per 100	6.00

Large stock of M. L. Rhubarb and Lucretia Dewberry Plants.
For 1000 rates and other varieties, write

GILBERT H. WILD, Sarcoxie, Mo.

Please mention the American Florist when writing.

LILAC BUSHES.

Large blooming white, fine for cutting, plants from 4 to 6 feet high, about 150 of them. This lot will sell cheap on account of removal. Also a few hundred Peonia Roots, large clumps. Write for prices.

RUDOLPH FISCHER, GREAT NECK, L. I., N. Y.

CHOICE NORTHERN GROWN
2-year in field, fine for forcing.

CRIMSON RAMBLERS,

$10.00 per 100.
HYDRANGEA PAN. GRAND., $8.00 per 100.

C. M. NIUFFER, Springfield, Mo.

Please mention the American Florist when writing.

Jacs Smits, Ltd.

NAARDEN, (Holland.

GROWERS OF
Rhododendrons, Axaleas, pot grown Shrubs for forcing, Lily of the Valley, Spiræa, Paeonias, Roses, Climbing Plants, good varieties of Conifers and all ornamental stock.

Personal Inspection Cordially Invited.
R. R. Depot, NAARDEN-BUSSUM, near Amsterdam.
Price list free on demand.

——NOW IS THE TIME TO PLANT——

Herbaceous Perennials

We have a very large stock of **Phlox, Iris, Pinks, etc.**
Send for Price List.

VICK & HILL CO., P. O. box 613, ROCHESTER, N. Y.

Des Moines, Ia

TRADE LIVELIER.

Trade early this week was a little more lively than it was last week. Roses and chrysanthemums are very plentiful, but they do not move as fast as the dealers would like to have them. Carnations are coming in a little more plentiful, but still the demand is greater than the supply.

NOTES.

The many friends of Mrs. Geo. Sherman of Lozier's east side store, will be pleased to learn that the operation at the Presbyterian hospital in Chicago on her son, who swallowed a tack a few months ago, was very successful.

Mrs. Harvey Lozier, who underwent a serious operation at the Mercy hospital a short time ago, is doing nicely, and expects to be home again in a short time.

The Alpha Floral Co. displayed some very fine chrysanthemums, also some fine Mrs. Marshall Field roses, in their Walnut street window this week.

Miss Alice Kinney, formerly with the Alpha Floral Co., but now with A. G. Lozier, is confined to her home by poisoned hands.

The Iowa Seed Co. celebrated its thirty-sixth anniversary in business recently.

The Watrous Nursery Co. suffered a loss of about $2,000 from a fire last week.

Miss Mamie Doran spent a couple of days in Chicago during flower show week.

Mrs. Ida C. Hayes, of Tacoma, Wash., was a visitor in the city a short time ago.

A. G. Lozier left last week for Texas where he will spend the winter.

M.

Brandon, Manitoba.

Fred Mansoff, who sold his plant some time ago to A. E. McKenzie & Co., has returned from a shooting expedition, 840 head having fallen to his gun and that of his son in five weeks. Fred called on most of the Winnipeg growers but found carnations generally very backward there. He is now on a general tour of the U. S. and Canada taking notes of the various places and picking up pointers for the erection of his new plant, which he is going to personally attend to at once.

A piece of ground of ideal character for the purpose has been secured, the soil a rich light loam, with an abundant water supply, the water being free from alkali, and at a good pressure. The increasing value of real estate round Brandon is well shown by the fact that he has been offered $11,000 for the land in question which he purchased quite recently for $2,500. The houses are to be 300 feet in length, heated by steam, and used for the growth of carnations, roses and violets principally. F. Mansoff says that violets do not suffer much from any of the fungoid and other diseases in the good air of Brandon and the soil is well suited to their culture. Considering that he has only been in Canada 15 years, and in business only 7 years out of that, Fred has every reason to be satisfied with his progress. He reports 20° below zero at Edmonton November 19.

HELP WANTED
—TO—
Successfully Grow Chrysanthemums?
IF THIS IS YOUR CRY—REMEMBER
Smith's Revised Chrysanthemum Manual
(NOW OUT) IS A RELIABLE HELPER. Written by Elmer D. Smith, the noted Chrysanthemum Specialist. Many of the important chapters have been revised and enlarged, giving more complete details, with additional illustrations.
NEW AND UP-TO-DATE. PRICE WITHIN REACH OF ALL.
CLOTH BINDING, 100 PAGES, ONLY 40 CENTS, POSTPAID.
NATHAN SMITH & SON, Adrian, Mich.

LUDVIG MOSBAEK, Onarga, Ill.
Asparagus Plumosus Nanus and Sprengeri, 4-inch, $8.00; 3-inch, $5.00; 2¼-inch, $2 50; 2-inch, $2.00 per 100.
Ferns Boston, Piersoni, Anna Foster and Sword, 2¼-inch and 3-inch, $3 00 and $6.00 per 100· 6-in., $4.00; 8-in., $12.00; 10-in., $25.00 per dozen.
150,000 Cannas, 35 standard, leading var., true to name. Descriptive list and prices mailed free. Send list for special quotations.
50,000 Hardy Perennial Herbaceous Plants, field and pot grown. Write for list.

500,000 VERBENAS
60 Finest Named Varieties.
Rooted Cuttings, 75c per 100; $6.00 per 1000
Plants, $2.50 per 100; $20.00 per 1000.
Our list is the choice from millions of seedlings. Order early.
The floral and plant business of the late Mr. J. L. Dillon will be continued under his name by his executors.
LOUISE H. DILLON, ALICE D. FURMAN } Executors.
J. L. DILLON, Bloomsburg, Pa.
Please mention the American Florist when writing.

CHRYSANTHEMUM
STOCK PLANTS.
C. Touset, Ben Wells, Mrs. Swinburne, Mrs. Buckbee, Anna Debono, Prefet Boncourt, Nonin, Chadwick, Majestic, Adelia, Roi de Italia, H. Dick, Matchless, Mme. H. Delizy, 6c each.
NEW VARIETIES
Mme. P. Lachmann, San Souci, May Seddon, T. Richardson, Mrs. H. Partridge, Baroness Ceufica, 20c each.
Will Exchange for 50 Appelton, 25 Golden Wedding, 25 Bonnaffon.
Beatrice May, rooted cuttings in Spring, 300 stock plants, but none for sale.
W. A. CHALFANT,
SPRINGFIELD, MO.
Please mention the American Florist when writing.

CHRYSANTHEMUMS, STOCK PLANTS
C. Touset, J. Nonin, Appelton, Monrovia, Opah, Alice Byron, Golden Chadwick, W. Chadwick, V. Morel, E. Fitzroy, Dr. Enguehard, J. Marshall, O. P. Bassett, L. Montford, Lord Hopetoun, Newell, 75c per doz. Mary Mann, $1.75 per doz.
LAMPERT FLORAL CO., Xenia, O.

CHRYSANTHEMUMS.
C. Touset and Nonin, the money makers as we have found them, 75c per doz.; $5.00 per 100; Pacific, Estelle, Willowbrook, Halliday, Kalb and Lady Harriet, 60c per doz.; $4.00 per 100. Cash with order.
EGGELING FLORAL COMPANY,
1653 S. Grand Avenue, ST. LOUIS, MO.

SUPERB
BOXWOODS.
Just Arrived. Perfectly Shaped.
Bushes for Window Boxes, from top of root ball, 12 to 20 inches high.....$0.75 a pair
24 inches high..... 1.00 a pair
Pyramids, 3 ft. high.....$2.00 and $3.00 a pair
" 4 ft. high..... 3.00 and 4.00 a pair
" 4 ft. 6 in. high..... 5.00 a pair
" 5 ft. high..... 7.00 a pair
Grafted Baby Ramblers on Manetti: nice bushy plants in 3½ and 4-in. pots, ready for early forcing, $15.00 per 100.
ANTON SCHULTHEIS,
19th St. and 4th Ave., College Point, L. I., N. Y.
Please mention the American Florist when writing.

WE ARE BOOKING ORDERS FOR
Nephrolepis Amerpohli
The Sensational New Fern.
Awarded Highest Certificate of Merit at the S. A. F. Convention, 1906.
JANESVILLE FLORAL CO., Janesville, Wis.
Please mention the American Florist when writing.

FERNS, IN FINE SHAPE
PIERSONI....6-in., 35c; 5-in. 25c; 4-in., 15c.
BOSTON.....5-in., 25c; 4-in., 15c.
SCOTTII.....5-in., 30c; 4.in., 20c.
ANNA FOSTER.....2½-in., 4c
All No. 1 stock. CASH PLEASE.
BENJ. CONNELL, Florist, West Grove, Pa
Please mention the American Florist when writing.

ASPARAGUS PLUMOSUS
Exceptionally fine stock from 3-in. pots, $5.00 per 100.
ASPARAGUS SPRENGERI, from 3½-in. pots, $6.00 per 100.
Write for price on large lots.
SCHARFF BROS., Van Wert, Ohio.

'MUMS. STRONG, HEALTHY STOCK PLANTS.
Robinson, Wannamaker, Ivory, DeKalb, Willowbrook Estelle, Bonnaffon, Halliday, McNiece, Mrs. Coombes, 75c per doz.; $3.00 per 100.
Dr. Enguehard, Appleton, $1.00 per doz.; $7.00 per 100.
JENSEN & DEKEMA,
674 W. Foster Ave., CHICAGO.

Palms, Ferns, Etc.

WHOLESALE PRICE LIST.

	In.	Doz.	100
Asparagus Plumosus	..2		$3.00
" "	..3		6.00
Asparagus Sprengeri	..2		3.00
" "	..3		6.00
" "	..4	1.50	
" "	..5	2.00	

Aspidium Tensemense, 3-in., $1.00 per doz.; $8.00 per 100.
Boston Ferns. 5-in. pots, $3.00 per doz.; 6-in. pots, strong, $6.00 per doz.; 7-in. pots, $9.00 per doz. Larger specimens, $1.50, $2.00 and $3.00 each.
Pteris Argyrea, 3-in., $1.00 per doz.; $8.00 per 100.
Pteris Wimsetti, 3-in., 75c per doz.; $6.00 per 100.

ASSORTED FERNS FOR DISHES

$3.00 per 100; $25.00 per 1000. We have a large lot to offer in best varieties.

Cibotium Schiedei, 5-in., $9.00 per doz.; 6-in., $12.00 per doz.
Dracaena Fragrans, 5-inch pots, 50c each; $5.00 per doz. 6-in. pots, 75c each; $9.00 per doz.; 7-in., $1.00 each; $12.00 per doz.
Dracaena Indivisa. 2-inch pots, $2.50 per 100; 6-inch pots, 20 to 26 inches high, 50c each; $5.00 per doz.; 7-inch pots, 30 to 34 inches high, 75c each; $9.00 per doz.
Dracaena Terminalis, nicely colored, 2-in., $1.25 per doz.; 3-in., $2.00 pet doz.; 6-in., $9.00 per doz.
Maranta Lietzii, 2¼-in., $1.00 per doz.

Pandanus Utiles,	3-in.	per doz.	$1.50
" "	4-in.	per doz.	3.00
" "	5-in.	per doz.	5.00
Cocos, for dishes.	2-in.	per doz.	2.00

Cocos Bonetti, large specimens, $40.00 each.

	In.	Each	Doz.
Kentia Belmoreana	..3		$ 2.00
Kentia Forsteriana	..7	2.00	24.00
" "	.....7 x	2.50	
" "	.....7 xx	3.00	

Latania Borbonica, 3-in. $1.50 per doz.; 3½-in., $2.00; 4-in., $3.00; 5-in., $5.00 and 7-in., $12.00 per doz.
Phoenix Canariensis, 2-in. per doz., 1.00
" " fine bushy plants. 10-in. $2.50 and $3.00 each. Large specimens.
Phoenix Reclinata, 3½-in. per doz., $2.00
" " 4-in. per doz., 3.00
Aucuba Japonica, 10-in. pots, 3 ft. high, $1.50 each.
Rhododendrons, 50c and 75c each.
Boxwoods, Pyramids, in tubs, 3 ft., $4.00 each; 4 ft., $5.00 each.
Boxwoods, Bush Form, in tubs, 4 ft., $5.00 each.
" 1 ft. high, 35c each; $4.20 per doz.; 1½ ft. high., 50c each.

HARDY PERENNIALS.

German Iris, assorted colors, $1.00 to $5.00 per 100 clumps.
Golden Glow (Rudbeckia), $1.00 to $5.00 per 100 clumps.
Boltonia, white and pink, $1.00 to $5.00 per 100 clumps.

The Geo. Wittbold Co.

1657 BUCKINGHAM PLACE, CHICAGO.

GERANIUMS

ROOTED CUTTINGS.

S. A. Nutt, Doyle, Double Grant, Buchner, Gervais, **$10.00 per 1000.**

Cash with order.

PETER BROWN,

LANCASTER, PA.

Please mention the American Florist when writing.

CHRYSANTHEMUMS

Clementine Touset, Moneymaker, Jeanne Nonin, Monrovia, white and pink Pacific, white and yellow Bonnaffon, white and yellow Eaton, Mrs. Weeks, Viviand Morel, J. K. Shaw, Alice Byron, Dr. Galloway, Ben Wells, Dr. Enguehard, Col Appleton, Yanoma, Chadwick, etc., **$1.00** per doz.; **$8.00** per 100. Cash with order.

GUNNAR TEILMANN, Marion, Ind.

Please mention the American Florist when writing.

Prepare for Thanksgiving and the Holidays.

WATCH ☛ PROSPERITY ☚ LOOK

Election is over, the country is settled to its normal condition. **Great prosperity** is in sight for us all. Why not for you? A little **fortune lays before your door.** Grab it now where there is a **chance for you. Look** at others; see how successful they are. Why? Because they are **wideawake.** They watch every opportunity and take advantage when bargains are offered.

A big demand is in sight now and for the ensuing holidays for the so much admired **decorative plants,** the **Araucaria Excelsa, Araucaria Excelsa Glauca,** and the **Araucaria Compacta Robusta.** What do you think? Where will you buy them? Surely from a man who makes a specialty in **importing Araucarias,** and who can offer you **bargains.** Godfrey Aschmann is the man who has the reputation for the last ten years as the great **importer** and **dealer** in **Araucarias** of America.

PRICES SLAUGHTERED ONE-HALF THE NORMAL.

Prices **never** offered so low in the history of Araucaria cultivation. Why is that? For the simple reason, to obtain room to cultivate our great Easter stock. About 5,000 Araucarias, with an immense lot of Palms, Ferns, Azaleas, Rubbers, Begonia Gloire de Lorraine, etc., must be sold by Christmas.

☞ Please take notice. In all the Araucarias only spring importations are offered: raised in pots all summer, and can be shipped any distance safely without drooping.

ARAUCARIA EXCELSA

5½-in. pots, 15 to 18 in. high, 4 to 5 tiers, 3 years old, 60c; 5½ to 6-in. pots, 18 to 23 in. high, 5 to 6 tiers, 4 years old, 75c; 6-in. pots, 23 to 25 in. high, 5, 6 to 7 tiers, 4 years old, $1.00; 6 to 7 in. pots, 25 to 30 in. high, 5, 6 to 7 tiers, 4 years old, $1.25; 7-in. pots, specimen plants, from $1.50, $1.75 to $2.00 each.

ARAUCARIA COMPACTA ROBUSTA—have several thousand of them: can supply all wants. These plants were never so fine in shape and condition as this year. The pet of the greenhouse: as broad as long. 6-in. pots, 3 tiers, 12 to 14 and 16 to 18 in. high, same wide, 3 years old, $1.00 to $1.25 each; 6 to 7 in. pots, 4 to 5 tiers, 18 to 20 and 22 to 25 in. high, same wide, 4 years old, $1.50 to $1.75 each; 7-in. pots, specimen, 6 to 7 tiers, and 25 to 30 in. high, same wide, 5 years old, $2.00 to $2.50 each.

ARAUCARIA EXCELSA GLAUCA—this variety on account of its beautiful green-bluish tiers, dwarf habit, fine compact shape, gives it a striking appearance, and anybody seeing the plants must undoubtedly fall in love with them at sight. 6-in. pots, 3 tiers, 14 to 16 and 18 to 20 in. high, same wide, 3 years old, $1.00 to $1.25 each; 6 to 7 in. pots, 4 to 5 tiers, 20 to 25 and 25 to 30 in. high, same wide, 4 years old, $1.50 to $1.75 each; 7 in. pots, specimen, 5 tiers, 30 to 35 in. high, same wide, 5 years old, $2.00 to $2.50 each.

All these plants are as broad as long; the finest you have ever seen.

KENTIA FORSTERIANA, 7-in. pots, made-up plants, 1 large size, about 45 to 48 in. high in the center, and 3 smaller sizes, 25 x 30 in. high around, which gives them a good appearance, $2.00 to $2.50 each; 6-in. pots, single plants, 36 to 45 in. high, 5 to 6 good leaves, 4 years old, $1.25, $1.50 to $1.75 each; 6-in. pots, 32 to 36 in. high, 5 to 6 good leaves, 4 years old, $1.00 each; 5½ to 6 in. pots, 4 years old, 30 in. high, 5 good leaves, 4 years old, 75c; 4-in. pots, made-up plants, 3 plants in a pot, 18, 20 to 25 in. high, 25c, 30c to 35c each.

ARECA LUTESCENS, 5-in. pots, 24 in. high, made-up with 3 plants, 35c; 4-in. pots, 20 to 24 in. high, made-up with 3 plants, 25c.

ARECA SAPIDA, just imported from Belgium, something new, very attractive, looks like Kentia, 25 in. high, 50c.

OUR LITTLE PETS.

COCOS WEDDELLIANA, 15c.

ASPARAGUS PLUMOSUS NANUS, 4-in. pots, large, bushy, 10c to 12c.

FICUS ELASTICA, or **Rubber Plant,** 6 in. pots, 25 to 30 in. high, 40c to 50c each.

FERNS, all raised in pots and not on benches as follows:

NEPHROLEPIS BARROWSII, 7 in. pots, as big as a bushel basket, 75c to $1.00 each; 6-in. pots, large, ready for 7-in., 50c; 5½-in., 40c; 5-in., 35c; 4-in., 25c.

NEPHROLEPIS SCOTTII, 8-in., as big as a washtub, worth $2.00, now $1.25; 7-in., as big as a bushel basket, worth $1.25, now 75c; 6-in., 50c; 5½-in., 40c; 4-in., 20c.

NEPHROLEPIS ELEGANTISSIMA, 5-in. pots, 30c.

BOSTON FERNS, 7-in., very bushy, only 75c; 6-in., 50c or $5.00 per doz.; 5-in., 30c to 35c; 4-in., 20c

FERNS—A fine assortment of Ferns for dishes, large, bushy, out of 2½-inch pots, $5.00 per 100, 3-inch, 6c each.

JERUSALEM CHERRIES, (or Solanum), 6 to 7 in. pots, very bushy, full of berries, from $3.00 to $6.00 per doz.

DRACAENA BRUANTI, (imported), 30 in. high, 6-in. pots, 50c, $5.00 per doz.

CYCLAMEN, will bloom for Christmas, 5-in. pots, 20c; 4-in., 12c.

CHINESE PRIMROSES, 5¼-in. pots, very strong, in bloom and buds, $2.00 per doz.

HYDRANGEA OTAKSA, only pot-grown is offered, sure success for Easter forcing, 6-in. pots, 25c; 7 to 8-in., 50c.

AZALEA INDICA, just arrived, selected by myself on my recent trip to Belgium. Have all leading varieties such as Deutsche Perle, Simon Mardner and Vervæneana. These three sorts are good for Christmas forcing. Later varieties: Empress of India, Orolf, Wolters, Niobe, Bernard, Andreas Alba, Mme. Van der Cruyssen and many others, prices as follows: 35c, 40c, 50c, 60c, 75c, $1.00, $1.25 to $1.50 each.

BEGONIA GLOIRE DE LORRAINE, 6-in pots, in bloom and bud, for now and Christmas, 50c to 75c each.

BEGONIA FLAMBEAU, sells on sight, 4-in., ready for a shift into 6-in., 20c.

BEGONIA ERFORDII. New Improved, 4-in., 20c; 5¼-in., 25c.

All plants must travel on **purchaser's risk only.** CASH WITH ORDER.

When ordering, say whether the plants should be shipped in the pots or not.

GODFREY ASCHMANN,

IMPORTER AND WHOLESALE GROWER OF POT PLANTS.

1012 Ontario Street, - - PHILADELPHIA, PA.

Indianapolis.

QUIET TRADE.

The past week was the worst of the season in Tomlinson hall market; there was simply nothing doing and at least 90 per cent of the chrysanthemums remained unsold. The stores fared better, having plenty of funeral work and some decorations. According to orders received by the growers the north side retailers are expecting a good deal of work next week.

NOTES.

The city council is trying to force Park Superintendent Powers to resign; one of the latest moves being to cut his salary to a ridiculously low figure. As Mr. Powers is well known and liked among local florists, the proceedings are being watched with great interest.

Martin Braendlein uses galvanized iron vases for his chrysanthemums, and finds them just the thing to use on the market, being unbreakable, cheap and light and nesting in each other, are easily transported.

Bertermann's have completed a 23x100 foot propagating house, at their Cumberland place. It is their intention to have 40,000 early propagated plants in the field next summer for outdoor blooms.

Wm. Walker, of Louisville, Ky., was in this city on his annual inspection tour. This is the eleventh successive fall that we have had the pleasure of shaking hands with him.

Smith & Young Co. are erecting a cement block waiting station at their stop in Cumberland place.

J.

Osage, Ia.

The new greenhouses of Walter S. Hall were thrown open to the public Nov. 12, 13 and 14, for the annual chrysanthemum show and floral exhibit. The decorations were of Japanese lanterns, flags and festooning, which with the gorgeous display of chrysanthemums made a very beautiful sight. There was a good attendance each evening. On Thursday evening from 7 to 10 o'clock a reception was given by Mr. and Mrs. Hall to 250 invited guests, the office was beautifully decorated and arranged to look like a parlor, where the guests were received, after which they were invited up to the dining room where light refreshments were served. Here the decorations were of green, the flowers used were Timothy Eaton chrysanthemums and green carnations. Music was furnished by Prof. Annis' orchestra.

WANTED.

By retail florist near Washington, D.C., to make arrangements direct with grower to furnish **Five Hundred (500) or more Pink Carnations** twice a week.

Address **Key 845, care American Florist.**

SPECIAL SALE

'MUM STOCK PLANTS

White—Kalb, Ivory, Mrs. Chadwick, Mutual Friend. **Yellow**—Pennsylvania, Col. Appleton, Golden Age. **Pink**—J. K. Shaw, Murdock, Ivory, Viviand Morel, Liger, Indiana. **Red**—The Bard.

GEO. A. KUHL, Pekin, Ill.

Queen Beatrice Rose.

Four to one shot. Four times as many flowers as Maid.

F. H. KRAMER, 916 F St., WASHINGTON, D. C.

CYCLAMEN, LARGE FLOWERING for CHRISTMAS BLOOMING

5-inch, $15.00 per 100; 4-inch, $10.00 per 100; 3-inch, $5.00 per 100, 300 for $10.00. **Primroses,** Chinese and Obconica, well budded for Christmas blooming, 4-inch, $6.00 per 100; 3-inch, $3.00 per 100. **Asparagus Plumosus nanus,** 3½-inch, $6.00 per 100. **Cinerarias,** 3-inch, $3.00 per 100.

HILL TOP GREENHOUSES,
15-16 Gray Ave., UTICA, N. Y.

STOCK CHRYSANTHEMUMS.

Wm. Simpson, Polly Rose, Glory of Pacific, Ivory, White and Pink, Major Bonnaffon, Robt. Halliday, Maud Dean, Adelia, Viviand Morel, Lavender Queen, Yellow Jones, Queen, Silver Wedding, Geo. W. Childs, Dr. Enguehard and Alma (Pink Pompon), **75c** per dozen; **$5.00** per 100.

JOHN WALKER,
YOUNGSTOWN, - OHIO.

it is good business policy .....to mention the

American Florist

When you write to an advertiser.

THE NEW

Cyclopedia of American Horticulture.

BY PROFESSOR LIBERTY H. BAILEY.

Over 4,357 articles in all by 450 expert writers, including practically all the best botanists, nurserymen, seedsmen, florists, market gardeners and experimental station horticulturists. Occupying 2,100 pages and covering 24,434 plant names, 2,800 detailed illustrations, enormously increasing the ease of identification, and 146 beautiful full page illustrations.

Every reader of this paper who is interested in farming, in gardening, in trees, in shrubs, and all out of door matters, absolutely needs this set. It takes the place of all others combined on American gardening.

In Six Great Quarto Volumes of 2,100 Pages You Find:

Descriptions alphabetically arranged of all—over a thousand—of the native trees, plants and flowers worth cultivating, with keys enabling you to name any species, as well as to find all information regarding it. Practical articles by leading experts of the country on all phases of commercial plant production and greenhouse management—cut flowers, vegetables, etc.

Fullest cultural instructions for every flower, fruit and vegetable, tree and ornamental plant you may wish to grow.

SPECIAL OFFER.

The regular price is *$30.00.* For a few weeks we are able to offer this new and revised edition with the new material added at *$22.80* cash. This offer will be withdrawn January 1, and the price increased.

American Florist Company,
324 Dearborn Street, CHICAGO.

Le Journal des Roses.

Organ of the French Rosarians.

Published at Paris. Once a month with colored plates.

Subscription $2.70 per Year. Sample Copies Free.

ADMINISTRATION DU SUISNES **JOURNAL DES ROSES**

a SUISNES, Brie

a Grisy-Suisnes. (Seine et M FRANCE.

Please mention the American Florist when writing.

DAHLIAS.

Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring

DAVID HERBERT & SON,

Successors to L. K. Peacock, Inc., **ATCO, N. J.**

Please mention the American Florist when writing.

CHRYSANTHEMUM

STOCK PLANTS.

Touset and Nonin, $1.00 per doz.
Lavender Queen, yellow and white Eaton, Liger, Shaw and Monrovia, 75c per doz.
Will exchange for Kalb, Pink Ivory and A. Byron.

W. W. COLES, Kokomo, Ind.

Please mention the American Florist when writing.

ROOTED CUTTINGS.

Geraniums and Carnations

Send a list of what you want and how many of each variety, and I will be pleased to quote figures on your complete order.

ALBERT M. HERR, Lancaster, Pa.

Please mention the American Florist when writing.

PRIMROSES.

Obconica Alba and Rosea, $1.50 per 100: $12.00 per 1000.

ASPARAGUS Per 100

Plumosus Nanus, 2¼-in. pots, $18.00 per 1000, $2.00
PANSY PLANTS, large flowering, $3.00 per 1000; .50

CASH

JOS. H. CUNNINGHAM, Delaware, O.

Please mention the American Florist when writing.

CHRYSANTHEMUMS

AND STOCK PLANTS.

	Per doz.		Per doz.
Rosiere, pink	$1.50	Omega	0 75
Emereter, "	1.00	C. Touset	1.00
Monrovia	.75	Bergman	.75
Merstham yellow	1.00	Willowbrook	.75

ELI CROSS, Grand Rapids, Mich.

Please mention the American Florist when writing.

LARGEST STOCK OF ALL

Belgian Plants.

AZALEAS, ARAUCARIAS, SWEET BAYS, PALMS, BEGONIAS, GLOXINIAS, ETC.

Louis Van Houtte Pere,

GHENT, HELGIUM.

Please mention the American Florist when writing.

Cineraria Benary, Cannell and Sutton's Prize Strains: dwarf or semi-dwarf, large flowers, all shades and colors, mixed, 2¼-in., $2.50 per 100. Cash please.

SHELLROAD GREENHOUSES, Grange, Baltimore, Md.

Please mention the American Florist when writing.

ADVERTISERS

Send copy early for best service.

STOCK TO BUY NOW

ASPARAGUS PLUMOSUS NANUS.

We Are Headquarters.	Per 100	Per 1000
2-in pots, strong ready for a shift	$3.00	$25.00
2½-in. pots, strong, ready for a shift	4.00	40.00
3-in. pots, strong ready for a shift	7.00	65.00
Strong Seedlings	1.50	12.00

BOSTON FERNS.

Nephrolepis Exaltata Bostoniensis.

We have the finest stock in the west. All our plants are pot-grown, bushy stock, well furnished with fronds from the pot up, and cannot be compared with the cheap long-drawn-up lifted stock from the bench. A sample shipment will convince you of our superior stock. Stock ready now.

	Each	Per doz.	Per 100
2½-in pot plants		$ 0.60	$ 5.00
3-in. pot plants		1.50	10.00
4-in. pot plants		2.50	20.00
5-in. pot plants	$ .50	5.00	40.00
6-in. pans plants	.75	8.00	60.00
7-in pans plants	1.00	10.00	75.00
8-in. pans plants	1.00	15.00	.....
9-in. pans plants	$2 00 to $2 50	.....	.....
10-in pans plants	3.00 to 3.50	.....	.....
12-in. pans plants	4.00 to 5.00	.....	.....

ASSORTED FERNS FOR FERN DISHES.

We have a very large stock of all the best Pteris Ferns, 2¼-in. pots, strong and bushy assorted, per 100, $3.00; per 1000, $25.00.

CELESTIAL OR XMAS PEPPERS.

One of the very best of Christmas plants.	Per doz.	Per 100
Strong plants, 4 in. pots	$1.25	$10.00
Strong plants, 5-in. pots	2.00	15.00

FICUS ELASTICA. (Rubber Plant).

5-inch pots, 12 to 14 in. high.....$5.00 per doz.; $40.00 per 100

RICHMOND ROSES.

3-in. pots strong	8.00 per 100:	75.00 per 1000
4-in. pots, strong	12.00 per 100:	100.00 per 1000
KILLARNEY, strong		
Strong, 3-in. stock	$ 8.00 per 100:	$ 75.00 per 1000
4-in.	12.00 per 100:	100.00 per 1000
BABY RAMBLER, 2 year, selected	25.00 per 100	
" " 1-year, "	15.00 per 100	

JERUSALEM CHERRIES.

Extra bushy plants, covered with berries.

5-in. pots	each, 40c:	per doz., $3.00
6-in. pots	each, 50c:	per doz., 5 00

BEGONIA GLOIRE DE LORRAINE.

Fine plants, now in bloom.

5-in. pans	per doz., $ 9.00
6-in. pans	per doz., 12.00

FERN PTERIS TREMULA.

Strong, 4-in pot plants.....per 100, $10.00

All dormant stock now ready, such as **H. P. Roses, Crimsom Ramblers, Hydrangea P. G., Lilacs, Rhododendrons, Azalea Mollis, Deutzias, Clematis, etc., etc.**

VAUGHAN'S SEED STORE,

84-86 Randolph St., CHICAGO. 14 Barclay St., NEW YORK.

Greenhouses and Nurseries: Western Springs, Ill.

Please mention the American Florist when writing.

A Few Good Things You Want.

Cash with Order.

Dracaena Indivisa, 4 and 5-inch, $10.00 and $25.00 per 100.
Asparagus Plumosus, 2-in., $3.00 per 100.
Asparagus Sprengeri, 2-inch, $2.50 per 100.
Geraniums, S. A. Nutt, Castellane, John Doyle, Perkins, Poitevine and Double Gen. Grant, La Favorite, 2-in. pots, $2.00 Rooted cuttings $1.00 per 100.
Rex Begonia, nice plants, 2 and 2½-inch, $5.00 per 100.
Boston Ferns, 5-inch, 30c each.
Pierson Ferns, 5-inch, 50c each.
Vinca Var., 2-in., $2.00 per 100.
Primula Obconica, 2-in., $2.00 per 100.

GEO. M. EMMANS, NEWTON, N. J.

Please mention the American Florist when writing.

ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the

"Horticultural Advertiser"

This is the British Trade Paper, being read weekly by all the Horticultural traders; it is also taken by over 1000 of the best continental houses. Annual subscription to cover cost of postage 75c; Money orders payable at Lowdham, Notts.

Address **Editors of "H. A."**

Chilwell Nurseries, LOWDHAM, Notts, England

THE CHRYSANTHEMUM MANUAL.

By Elmer D. Smith.

NEW AND REVISED EDITION.

PRICE 40 CENTS.

Cash with order.

American Florist Co.,

324 Dearborn St., CHICAGO.

St. Louis.

MARKET FIRMER.

The market this week had a much firmer tone. Roses and carnations brought better prices. Violets have greatly improved. American Beauty roses are in demand and scarce. Bright weather will naturally increase the supply. Fancy chrysanthemums are now arriving more freely the show being over. Some very fine Col. Appleton were seen in the market this week. Lily of the valley was in demand and somewhat scarce.

NOTES.

We regret to announce the sudden indisposition of Geo. Angermueller. Last Saturday while waiting on a customer he bruised his knee cap in some manner. The pain was so great he fainted and fell heavily to the floor and was compelled to go home. It is hoped he will be around again the early part of the week. George is very much missed by every one.

The Townsend Floral Co. has made an addition to their greenhouse in rear of store. This firm is building up fast in a fine locality and Mr. Townsend is very much in favor with the ladies. A large ball at Columbia club and several large wedding orders kept this firm very busy the past week.

Geo. Ostertag, superintendent of parks, was last Saturday presented with a very valuable gold watch by the employes at Forest park. George was quite taken by surprise and extremely happy that the employes had shown their appreciation in such a very delicate and touching manner.

The chrysanthemum show at Shaw's garden is well patronized by the public in pleasant weather. Some very fine Japanese varieties are on exhibition. Professor Trealease is very proud of his collection.

Miss M. S. Newmann has a beautiful store, her windows being very attractive. Being from the east she is creating quite a sensation with her artistic and beautiful decorations.

Oscar Heile has painted and remodeled his store. A very handsome large plate glass window adorns the front which he has stocked with plants and cut flowers.

John Burke disposed of a good many roses last Saturday. John is building up a fine trade in the very heart of the downtown district.

Wm. Kalisch & Sons have a beautiful store well decorated and always well stocked with ferns, palms and cut flowers.

Mr. Skidelsky, of Philadelphia, was a visitor here the past week. He spoke highly of the Chicago flower show.

F. H. Foster has a very attractive window display of chrysanthemums, violets and carnations.

Gus. Miller, away down in the south end, is building up a good business in his locality.

Geo. Waldbart has a very fine decorated window of both plants and cut flowers.

Wm. Abrahamson, with E. G. Hunt, of Chicago, was with us the past week.

Wm. C. Smith & Co. is expecting a carload of flower pots to arrive any day.

A. G. and G. E. Ahner, of Kirkwood, are bringing in some fine violets.

W. F.

GERANIUMS 2½in. Pots, Ready for Immediate Delivery

Alliance. Lemoine 1905, Hybrid, Ivy and Zonal, semi-double, lilac white, upper petals feathered and blotched crimson maroon, 25c each; $2.00 per doz.

Fleuve Blanc, the semi-double Bruant that promises to become the standard white, flowers and foliage equal to Alph. Riccard, $1.50 per doz.; $10.00 per 100.

Double Dryden, $1.00 per doz.; $5.00 per 100.

Cactus Geraniums, four varieties, petals curled and twisted similar to the Cactus Dahlia, $2.00 per doz.; $15.00 per 100.

S. A. Nutt, La Pilote, Beaute Poitevine, Mme. Barney, Centaur, Miss Kendall, Mme. Jaulin, Jean Viaud, Mme. Charotte, 40c per doz.; $2.00 per 100; $18.00 per 100.

Ville Poitiers, Marquise de Castellane, Berthe de Persilly, M. Jolly de Bammeville, Thos. Meehan, 50c per doz.; $3.00 per 100; $25.00 per 1000.

Send for Geranium Catalogue. Let us figure on your future supply.

	Per 100	1000
Alternanthers, red and yellow	$2.00	15.00
Hardy English Ivy	2.00	15.00
Smilax	2.00	15.00

A cordial invitation is extended to all interested in horticulture to visit us. Cowenton station, Philadelphia division, B. & O. R. R., 12 miles north of Baltimore.

R. VINCENT, JR. & SON, **White Marsh, Md.**

Please mention the American Florist when writing.

Directory of Gardeners

—AND—

Estates Employing Gardeners

—IN THE—

UNITED STATES and CANADA.

Price $5, Cash With Order.

AMERICAN FLORIST CO. 324 DEARBORN ST., ...CHICAGO.

BEST ENGRAVINGS and ILLUSTRATIONS

—Of Every Description—

FOR CATALOGUES.

SEE OUR WORK IN THIS PAPER. SEND FOR ESTIMATES.

GLOBE ENGRAVING and ELECTROTYPE CO.

407-427 Dearborn St., CHICAGO.

BERTHA RATH

CARNATION.

FERNS, PALMS,

ARAUCARIA EXCEL.,

ASPIDISTRA,

Green and Variegated.

BAY TREES and PRIVET,

Fine, Strong Stock.

R. DREYER, WOODSIDE, L. I., N. Y.

SPECIALTIES.

ROSES, from 3-inch pots. CHRYSANTHEMUMS.

CARNATIONS, for fall delivery. SMILAX. VIOLETS.

IN BEST VARIETIES.

Prices low. Send for list.

WOOD BROTHERS, Fishkill, N. Y.

GOV. HERRICK THE COMING VIOLET

One that produces three times as many flowers as any violet ever offered for sale. It will please you. Order at once. Prices: $2.00 per doz.; $10.00 per 100; $75.00 per 1000; 5,000 or more at $60.00 per 1000. Send for description today.

H. R. CARLTON, Willoughby, O.

INTRODUCER and ORIGINATOR.

MABELLE, New Pink Carnation for 1907.

Color—A peculiar shade of lovely pink, with a faint yellowish cast; several shades lighter than the Lawson. Unlike most pinks, the brightest sun does not injure the color. Size—3 to 4 inches in diameter when established. Odor—Pleasing, but not strong. Stems—Invariably strong, but always graceful, ranging from 12 to 30 inches during the season. Habit, etc.—A very quick, active grower, making specimen plants in a short time, even from late cuttings. On account of its rapid growth, requires supporting very soon after benching. Gets away rapidly, blooms early and gives long stems right from the start. Productiveness—Prodigious is the best word we know of to use here. It is the most incessant bloomer, early and late, we have ever grown. Stock limited. Delivery January 5 to 10 and later. Price, $12.00 per 100, $100.00 per 1000.

THE H. WEBER & SONS CO., Oakland, Md.

Please mention the American Florist when writing.

Now is the Time

to Subscribe to the

Horticultural Trade Journal

Published weekly. The Largest Brightest, and Best British Trade Publication. Also

THE INTERNATIONAL EDITION

Published quarterly. Annual subscription for weekly and quarterly numbers, One dollar, (International money order). Subscribe to-day and keep in touch with European markets and topics.

THE HORTICULTURAL PRINTING COMPANY

BURNLEY, ENGLAND.

On Monday, November 19th,

We Moved Our Business

from 56 North 4th Street to our new store and factory,

1129 ARCH STREET,

where we have 26,000 feet of floor space. Our store is new; our stock is new, and we extend a cordial invitation to florists of the nation to call and see what The Florists' Supply House of America has to offer them.

H. BAYERSDORFER & CO., 1129 ARCH STREET, **PHILADELPHIA.**

RIBBONS—SPECIALTIES

Our **VIOLET TIES** are new and original. They combine simplicity, grace and beauty. Write for sample.

WILLIAM B. LAKE, 2535 N. 34th St., PHILADELPHIA, PA.

WILSON'S PLANT OIL.

The best Insecticide and Plant Renovator ever introduced. Positively harmless. Put up in cans and bottles. Send for circular, testimonials and trade price.

ANDREW WILSON, 437 Springfield Ave. SUMMIT, N. J.

Please mention the American Florist when writing

L. BAUMANN & CO.,

Importers and Manufacturers of

Florists' Supplies

76-78 Wabash Ave., CHICAGO.

Write for our New Catalogue F. Our prices may interest you.

Please mention the American Florist when writing

Gold Fish Aquaria

and Aquarium Supplies.

Write for catalogue.

FRED KAEMPFER

88 State Street, CHICAGO, ILL.

Please mention the American Florist when writing.

The Best Way to Collect an Account

is to place it with the

NATIONAL FLORISTS' BOARD OF TRADE, 56 Pine St., New York.

Why? Because many debtors will pay the Board, fearing otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.

Please mention the American Florist when writing

REED & KELLER,

122 W. 25th St., NEW YORK.

FLORISTS' SUPPLIES.

We manufacture all our

Metal Designs, Baskets, Wire Work & Novelties

and are dealers in **Glassware, Pottery, Decorative Greens and all Florists' Requisites.**

Please mention the American Florist when writing

MISTER SEEDSMAN:

We are making a line of

MICE PROOF SEED BINS

that hold three bushels of seeds to a compartment; are fitted with our

NEW DUST-PROOF, EASY-ROLLING COVERS.

These bins fill a long-felt want and are just what you need.

PROMPT SHIPMENTS.

Can we mail you photos and prices, also cuts of our celebrated **Mice Proof Seed Cases?**

HELLER & CO.

MONTPELIER, OHIO.

AMERICAN FLORIST ADVERTISING RATES.

Our advertising rates are 4s 2d per inch, single column width, £6 3s 3d per page of thirty inches, with discounts on consecutive insertions as follows:

6 insertions	5 per cent.	26 insertions	20 per cent.
13 insertions	10 per cent.	52 insertions	30 per cent.

Space on front pages and back cover page is sold only on yearly contract at 4s 2d per inch net. Remit by foreign postoffice money order.

The Whilldin Pottery Co.

STANDARD FLOWER POTS

Our output of Flower Pots is larger than any concern in the World
Our Stock is always Large and Complete

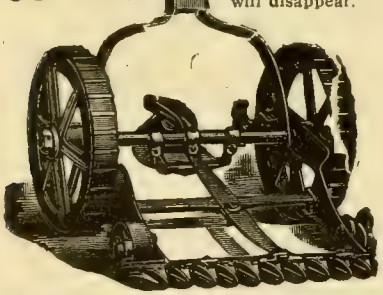
Main Office and Factory,

713 WHARTON STREET, PHILADELPHIA

Warehouses: JERSEY CITY, N. J. LONG ISLAND CITY, N. Y.

CLIPPER LAWN MOWER CO. DIXON ILL.

The Mower that will **kill all the Weeds in your Lawn.** If you keep the weeds cut so they do not go to seed and cut your grass without breaking the small feeders of roots, the grass will become thick and the weeds will disappear.



The Clipper will do it. Ask your dealer for them. If they have not got them, below is the price: No. 1—12-inch Mower $5: No. 2—15-inch Mower, $6; No. 3—18-inch Mower, $7; No. 4—21-in. Mower, $8. Send draft, money-order or reg. letter.

THE BEST Bug Killer and Bloom Saver.

For **PROOF** Write to

P. R. PALETHORPE COMPANY,

LOUISVILLE, KY.

GEO. KELLER & SON,

MANUFACTURERS OF

FLOWER POTS.

Before buying write for prices.

361-363 Herndon Street, near Wrightwood Ave., CHICAGO, ILL.

Red Standard Flower Pots

Price list and samples on application.

PADUCAH POTTERY CO., Inc.

PADUCAH, KENTUCKY.

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO

MANUFACTURERS

PHILADELPHIA, PA.

THE KELLER POTTERY COMPANY,

Manufacturers of **FLORISTS' RED STANDARD POTS.**

Azalea Pots, Bulb and Fern Pans, Etc.

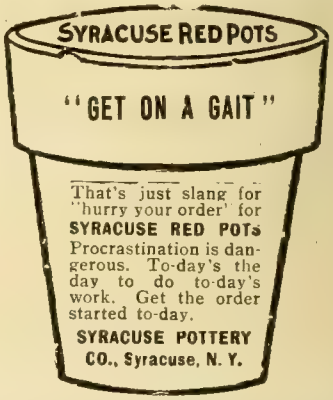
Write for Price List. 213-15-17-19-21-23 Pearl St., **NORRISTOWN, PA.**

IONIA POTS.

STRONG POROUS DURABLE

In potting you will appreciate their smooth, well rounded edges. And this is but one of the many reasons why **IONIA POTS,** by superior merit alone have won a lasting place in the hearts of all our patrons. Remember us with your next order.

IONIA POTTERY COMPANY, Ionia, Mich.



Standard Flower Pots!

Packed in small crates, easy to handle.

	Price per crate		Price per crate
1500 2-in., in crate,	$4 88	120 7-in., in crate,	$4 20
1500 2¼ "	5.25	60 8 "	3.00
1500 2½ "	6.00	HAND MADE.	
1000 3 "	5.00	48 9-in., in crate,	$3.60
800 3½ "	5.80	48 10 "	4.80
500 4 "	4.50	24 11 "	3.60
320 5 "	4 51	24 12 "	4.80
144 6 "	3.16	12 14 "	4.80
		6 16 "	4.50

Seed pans, same price as pots. Send for price list Cylinders for Cut Flowers, Hanging Baskets, Lawn vases, etc. Ten per cent off for cash with order. Address

HILFINGER BROS. POTTERY, Fort Edward, N. Y

or AUGUST ROLKER & SONS, New York Agents, 31 Barclay Street, New York City.

CUT FLOWER BOXES

WATERPROOF Corner Lock Style.

The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always.

Size No.		Per 100	Per 1000
0.	3x 4x20	$2.00	$19.00
1.	3x 4½x16	1.90	17.50
2.	3x 6x18	2.00	19.00
3.	4x 8x18	2.50	23.00
4.	3x 5x24	2.75	26.00
5.	4x 8x22	3.00	28.50
6.	4x 8x28	3.75	36.00
7.	6x16x20	5.50	54.00
8.	3x 7x21	3.00	28.50
9.	5x10x35	6.50	62.00
10.	7x20x20	9.50	67.50
11.	3½x5x30	3.00	28.50

Sample free on application. No charge for printing on orders above 250 boxes. Terms cash.

THE LIVINGSTON SEED COMPANY,
Box 104, COLUMBUS, OHIO.

STANDARD FLOWER POTS

No Charge for Crates or Packing.

Inches	per 1000	Inches	per 100
1½	$ 2.77	7	$ 4.00
2	3.33	8	6.00
2½	3.88	9	8.88
3	5.27	10	13.33
3½	6.10	12	22.22
4	7.77	14	38 88
4½	10.00	16	66.66
5	13 60	20	each, 1.25
6	22.20		

Azalea Pots and Bulb Pans same as **Standard Pots.** 2 and 2½ in Rose Pots, $3.50 per 1000. These pots are **carefully made,** very strong and porous. Liberal count is given, thereby protecting our patrons against possible breakage. **Above prices subject to 10 per cent. discount for cash.**

A. F. KOHR, 1521-23-25 N. Leavitt St, **Chicago.**

Please mention the American Florist when writing.

Those Red Pots

"STANDARDS"

FULL SIZE AND WIDE BOTTOMS, BULB PANS AND AZALEA POTS.

DETROIT FLOWER POT M'F'Y.

HARRY BALSLEY, Rep. DETROIT, MICH. 490 Howard St.

IF YOU CAN'T

MAKE A PROFIT

ON AN ADVERTISEMENT HERE

it is the fault of your business methods.

Tobacco Paper IS THE STONGEST, BEST PACKED, EASIEST APPLIED.

24 sheets.....$ 0.75
144 sheets..... 3 50
288 sheets..... 6 50
1728 sheets..... 35.10

"NICO-FUME" LIQUID

Furnishes the Most Nicotine for the Money!

Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.

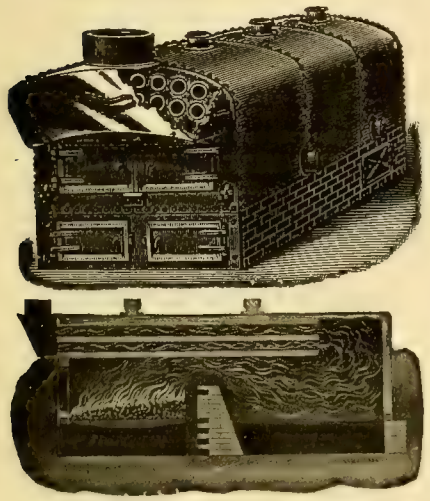
OVER 40% NICOTINE.

By far the **CHEAPEST.**

JUST NOTE PRICES!

Pint.....$ 1.50
½ Gallon..... 5.50
Gallon..... 10.50
5 Gallons..... 47.25

KROESCHELL BROS. CO.
IMPROVED
Greenhouse Boiler
45 Erie Street, CHICAGO.



Boilers made of Steel Boiler Plate; shell, firebox sheets and heads of steel; water space all around front, sides and back. Write for information.

Starved Rose Bushes Never Bloom

And the successful florist wants more than ordinary bloom and stunted stem—he wants all there is in the soil, the bush, the stem, the bloom.

DON'T STARVE THE ROOTS.

Put away your bushes this fall with plenty of fall and spring food for the roots. The richest root food, stem and bloom producer you can use is

Wizard Brand Pulverized Sheep Manure

It goes further than any other fertilizer and costs less. No waste—no refuse or seeds.

Special prices to florists and greenhouse operators. Write for booklet.

THE PULVERIZED MANURE COMPANY,
32 Exchange Ave., CHICAGO.

THE BLACK STUFF FINE TOBACCO
FOR DUSTING IS GROUND VERY FINE FROM THE HEAVY PURE LEAF
LET US TELL YOU ABOUT IT.
THE H·A·STOOTHOFF CO. 116 WEST ST. NEW-YORK

NICHOLAS WAPLER,
50 Barclay St., NEW YORK,
Manufacturer and Importer
TERRA COTTA
Grass Growing Heads and Animals
in different sizes and designs.
FISH GLOBES, FISH TANKS, AQUARIA,
FRENCH GLASS SHADES, round, oval and square, for covering statues, flowers, clocks and all kinds of ornaments.
Write for catalogue and prices.

IMPORTED HYACINTH GLASSES, Tall and Tulip Shape; Assorted Colors.

Please mention the American Florist when writing

THE LOW PRICE HEATING PLANTS

The Chicago House Wrecking Co. is in position to offer you an interesting proposition for furnishing you with a heating plant at a saving of at least 30%. Send us a sketch of your houses with preferred location of the boiler, the points of compass and the desired night temperature for zero weather, and we will gladly submit you an exact detail quotation of all material required to install the plant. We have ***heaters*** and ***boilers*** of every kind, both new and rebuilt. We have always on hand a large number of rebuilt boilers suitable for greenhouse heating. Our stock embraces ***fire box boilers, horizontal tubular boilers, Kroeschell boilers, cast iron sectional boilers, Erie City economizers*** and other types

We can save you considerable money on ***pipe, valves*** and ***fittings;*** also on ***doors, glass, sash*** and everything needed in the construction of your buildings.

Ask for our Special Catalogue No. 47.

CHICAGO HOUSE WRECKING CO.,
35th and Iron Streets, CHICAGO.

Please mention the American Florist when writing.

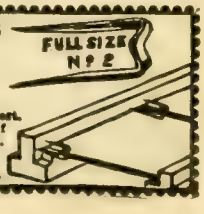
The James H. Rice Co.
IMPORTERS and JOBBERS
GREENHOUSE GLASS
A SPECIALTY.
Window Glass, Paint, Putty, etc.
Office and Warehouse: Corner of Michigan, St. Clair and Illinois Streets, CHICAGO.

GREENHOUSE HEATING
Complete heating plants erected or materials furnished with working plans. Write for prices on **BOILERS.**

JOHNSTON HEATING COMPANY,
St. James Building, 1133 Broadway, NEW YORK

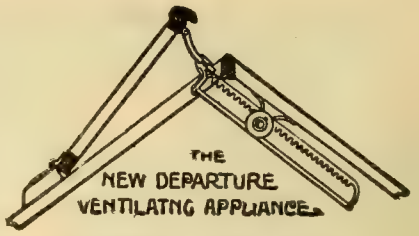
H. M. HOOKER CO.
Window Glass, Paints and Putty.
Greenhouse Glass a Specialty.
69 W. Randolph St., CHICAGO.
Please mention the American Florist when writing.

Holds Glass Firmly
See the Point
PEERLESS
Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
HENRY A. DREER, 714 Chestnut St., Phila., Pa.
FULL SIZE No 2



Index to Advertisers.

Adv rates.....848
Advance Co The....111
Allen J K 861
Amling E C.....856
Andorra Nurseries...866
Aschmann Godfrey..869
Atlanta Floral Co...863
Barrows Henry & Son859
Bassett & Washburn. 851 856
Baumann L & Co....873
Bayersdorfer & Co..873
Beaven E A.....854
Beckert W C.....865
Benthey-Coatsworth Co.....856
Berckmans P J Co. 866 867
Berning H G.. ... 859
Bertermann Bros Co.862
Blackistone Z D.....863
Boddington A T 865
Boland J B Co.....863
Braslan Seed Co.....864
Breitmeyer's J Sons 862
Brown Peter.....869
Bruns H N 864
Budlong J A.... 863
Burpee W A & Co... II
Byer Bros.....863
Caldwell the Woodsman Co.....854
Carlton H R.....872
Carmody J D.....876
Chalfant W A.....868
ChicagoCarnationCo I
Chicago House Wrecking Co.....875
Cleveland Cut Flo Co863
ClipperLawnMower Co.....874
Coles W. W.....871
Connell Benj.....868
Cooke Geo H.....862
Cotsonas Geo & Co..861
Cottage gardens.....867
Cowee W J.....876
Craig Robert Co.....859
Cross Eli.....871
Cunningham Jos H..871
Daniels & Fisher....862
Davis Bros.....853
Davis F P..... 863
Deamud J B Co.....857
DetroitFloPotMfv...874
Dietsch A Co.....111
Diller Caskey & Co..876
Dillon J L.....868
Dingee&ConardCo..864
Donohoe W H.....862
Dorner F & Sons Co. I
Dreer H A.....853 875
Dreyer R.....872
Dumont & Co.....854
Dunford J W.....863
Eberman C W.....861
Edwards Fold'g Box.874
Eggeling Floral Co..868
Elliott Wm H 859
Emmans Geo M.....871
Eyers H G.....863
Fellouris A J 861
Fischer R.....867
Florists'HailAss'n...876
Flower Growers Co. 856
Foley Mfg Co.....111
Ford Bros.....861
For Sale and Rent...849
Froment H E 861
Garland Geo M.....884
Garnsey M V.....884
Giblin & Co.....IV
Globe Eng Co.....872
Gude A & Bro.....862
Gundestrup K & Co. II
Gurney Heater Co...IV
Guttman Alex J.....861
Haines John E 855
Hansen M A 862
Harris Wm K.....855
Hartman Hjalmar...865
Hauswirth P J.....862
Heller & Co.....873
Henshaw A M.....861
Herbert D & Son....871
Herr Albert M.....871
Herrmann A.....884
Hess & Swoboda....862
Hews A H & Co.....874
Hilfinger Bros.....874
Hill The E G Co.... I
Hilltop Grhs.....870
Hippard E.....111
Hitchings & Co. IV
Holm & Olson.....862
Holton& Hunkel Co.859
Hooker H M Co.....875
Hort Advertiser 871
Hort Trade Journal..872
Hubbs Henry L 854
Hunt E H.....856
Igoe Bros.....884
Ionia Pottery Co 874
Isbell S M & Co..... II
Jackson&PerkinsCo.867
Jacobs S & Sons.....III
Janesville Floral Co.868
Jensen & Dekema...868
Johnston Heating Co875
Journal Des Roses...871
Kaempfer Fred.....873
Kasting W F..... I
Keller Geo & Son...874
Keller J B & Sons...863
Keller Pottery Co...874
Kellogg Geo M.....862
Kennicott Bros Co..856
Kervan Co The.....861
Kessler P.....861
KingConstructionCo884
Klehm's Nursery ...867
Kohr A F 874
Kramer F H.....870
Kramer I N & Son.. III
Kuhl Geo A.....853 870
Kroeschell Bros Co.875
Ky Tob Prod Co....875
Kuehn C A.....859
Lager & Hurrell.....860
Lake Wm B.....873
Lampert J J.....868
Lange A.....862
Langjahr A H.....861
Lecakes N & Co.....861
Leedle Floral Co....867
Livingston Seed Co. 862 874
LocklandLumb'rCo.884
Lord & Burnham Co.IV
Matthews. Florist...863
McCullough's J M Sons Co.....859
McKellar Chas W...857
McKissick W E.....859
Mayberry & Hoover.862
Mich Cut Flower Ex.854
Miller Theo.....863
Mills the Florist.....862
Moninger J C Co....884
Moon The Wm H Co.866
Moore Hentz&Nash.861
Morse C C & Co.....865
Mosbaek L.....868
Murdoch J B & Co ..859
Murray Samuel.....862
Myers & Co..... III
Natl FloBd ofTrade.873
N Y Cut Flower Ex .861
Niessen Leo Co 859
Niuffer C M.....867
Northern Mich Evg Nursery.....854
Olbertz J.....859
Pacific Seed Co..... II
Paducah Pottery 874
Palethorpe P R Co..874
Palmer W J & Son..862
Park Floral Co.....862
Pennock Meehan Co858
PerennialGardensCo867
Perfection Chem Co.III
Peterson's Nursery. 867
Pierson F R Co.. . I 865
Pierson U Bar Co....884
Pittsburg Cut Flo Co855
Pittsburg Florist Ex859
Poehlmann Bros Co 856 863
PollworthCC Co.850 862
Pulverized Manure Co.....875
Purnell W Z.....854
Quaker City Machine Works.....884
Randall A L Co.....863
Rawson W W & Co. II
Raynor J I.....861
ReadyRefer'nceAdv.877
Reed & Kellar.....873
Regan Print House..884
Reinberg Peter..853 856
Rice Bros.....854
Rice James H Co....875
Robinson H M & Co. 852 854
Roehrs Julius Co.....861
Sander & Son 861
Scharff Bros.....868
Scherer John P.....861
Schillo Adam.....876
Schultheis Anton....868
Schulz Jacob 863
Seligman Jno.....861
SharpPartridge&Co.884
Shellroad Grhs.....871
Sheridan W F.....861
Shippensburg FloCo.853
Siebrecht & Son.....861
Sinner Bros. 852 856
Situations & Wants..849
Skidelsky S S.....859
Smith Nathan & Son.868
Smith W & T Co.... I
Smits Jacs.....867
Sprague Smith Co...III
Standard Pump & Engine Co..... IV
Staer J.....865
Stearns Lumber Co.. IV
Stenzel Glass Co....III
Stern J & Co.....III
Stokes Seed Store...864
Stoothoff H A & Co.875
Storrs & Harrison Co867
Styer J J.....864
Syracuse Pottery Co.874
Taylor F G Seed Co. II
Teilmann Gunnar...869
Texas Seed & FloCo865
Thompson J D Carnation Co..... I
Thorburn J M & Co. II
Totty Chas H ...855 861
Traendley & Schenck861
VanHoutte PereSons871
Vaughan & Sperry...856
Vaughan's Seed Store .....I II 854 871
Vick & Hill Co.....867
Vick's Sons Jas..... II
Vincent R Jr & Son..872
Virgin U J.....862
Walker John.....870
Wapler Nicholas....875
Ware Thos S.....867
Weber F C.....862
Weber H & Sons....872
Weeber & Don..... II
Weiland & Risch....856
Welch Bros..... 859
Whilldin Pot Co.....874
Wietor Bros.....850 856
Wild Gilbert H.....867
Wilson Andrew 873
Wilson Robt G.....862
Winandy Bros 884
WintersonEF Co....851
WittboldGeo Co.856 869
Wood Bros.....872
Woods H.....854
Young A L & Co....861
Young Thos.....861
Zech & Mann.....856



CHEAPEST AND BEST.

If you doubt it try them and be convinced. Send for descriptive price circular.

J. D. Carmody, Evansville, Ind.

ELECTROS...

For Catalogue Purposes.

WE have a large assortment of strictly high-class halftones of which we can supply electros suitable for catalogue illustration. If you need anything in this way, state your requirements and we will submit proofs of the illustrations in stock

Price for cash only 15 cents per square inch.

THE AMERICAN FLORIST CO.,
.....324 Dearborn St., CHICAGO.

—THE—

Florists' Hail Association

Insures over 23,000,000 square feet of glass. for particulars address

JOHN G. ESLER, Sec'y, SADDLE RIVER, N. J.

Please mention the American Florist when writing.

Use our patent Iron Bench Fittings and Roof Supports.

IMPROVED VAPORIZING PANS
For Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY & CO. SUCCESSORS TO JENNINGS BROTHERS,
S. W. Cor. Sixth and Berk Sts., PHILADELPHIA.

VENTILATING APPARATUS.

Please mention the American Florist when writing.

LUMBER for Greenhouse Benches, Ship Lap, Drop Siding, Sheathing, Flooring, White Cedar Posts, Etc.

We are in special position to furnish **"PECKY CYPRESS"** everything in **PINE** and **HEMLOCK BUILDING LUMBER.** WRITE FOR PRICES.

Adam Schillo Lumber Co. Cor. Weed and Hawthorn St., **CHICAGO.** Tel. North 1626 and 1627.

Please mention the American Florist when writing.

Wired Toothpicks

10,000. $1.50: 50,000. $6.25. Manufactured by

W. J. COWEE, BERLIN, N. Y.

Sample free. For sale by dealers.

ANZEIGERATEN DES AMERICAN FLORIST.

Unsere Anzeigeraten sind: für den Zoll der einzelnen Spalte, $1.00 (M. 4.17); für die Seite, 30 Zoll, $30 (M. 125). Bei mehrmaligen Einrückungen werden Diskontoraten gewährt, wie folgt:

6 Einrückungen..... 5%; 26 Einrückungen..... 20%;
13 Einrückungen..... 10%; 52 Einrückungen..... 30%.

Raum auf den vorderen Seiten und auf der Rückseite des Umschlages wird nur in Jahreskontrakten und zu $1.00 (M. 4.17) den Zoll netto abgegeben. Zahlungen sind mittels Postanweisung erbeten.

TAUX D'ANNONCES DANS L'AMERICAN FLORIST.

Nos taux d'annonces sont $1.00 (Frs. 5-15) par pouce, largeur simple colonne, $30.00 (Frs. 154-50) par page de trente pouces avec escomptes sur les insertions consécutives, comme suit:

6 insertions.....5 pour cent. 26 insertions.....20 pour cent.
13 insertions.....10 pour cent. 52 insertions.....30 pour cent.

La place occupée par des annonces sur la première et la dernière couverture ne s'accorde que par contrat annuel au taux de $1.00 (Frs. 5-15), net, par pouce. Faites remise par Mandat-poste international.

Ready Reference Advertising.

ADVERTISEMENTS IN THIS DEPARTMENT 10 CENTS PER LINE, CASH WITH ORDER. COPY MUST REACH US MONDAY OF THE WEEK IN WHICH IT IS TO APPEAR

ALTERNANTHERAS.

Alternantheras, red and yellow, $2 per 100; $15 per 1,000. R. Vincent, Jr., & Son, White Marsh, Md.

ALTHEAS.

Althea Edward Bellamy, best double white, 2 to 3 feet, to close out, $5 per 100; $40 per 1,000. The E. Y. Teas Co., Centerville, Ind.

ARAUCARIAS.

Araucaria excelsa, 5½-in., 15 ins., 4 to 5 trs., 50c; 5½-in., 15 to 18 ins., 4 to 5 trs., 60c; 5½ to 6-in., 18 to 23 ins., 5 to 6 trs., 75c; 6-in., 23 to 25 ins., 5 to 7 trs., $1; 6 to 7-in., 25 to 30 ins., 5 to 7 trs., $1.25; 7-in. specimens, $1.50 to $2. Compacta Robusta, 6-in., 3 trs., 12 to 14 and 16 to 18 ins., $1 and $1.25; 6 to 7-in., 4 to 5 trs., 18 to 20 and 20 to 25 ins., $1.50, $1.75; 7-in. specimens, 6 to 7 trs., 25 to 30 ins., $2 to $2.50. Excelsa glauca, 6-in., 3 trs., 14 to 16 and 18 to 20 ins., $1 to $1.25; 6 to 7-in., 4 to 5 trs., 20 to 25 and 25 to 30 ins., $1.50, $1.75; 7-in. specimens, 5 trs., 30 to 35 ins., $2 and $2.50. G. Aschmann, 1012 Ontario St., Philadelphia.

Araucaria Excelsa, 6-in., 3 to 4 tiers, $1 each; $12 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Araucaria excelsa. R. Dreyer, Woodside, L. I., N. Y.

Araucarias. L. Van Houtte Pere, Ghent, Belgium.

ASPARAGUS.

Asparagus plumosus, 2-in., $3 per 100; $25 per 1,000. 2½-in., $4 per 100; $40 per 1,000; 3-in., $7 per 100; $65 per 1,000. Strong seedlings, $1.50 per 100; $12 per 1,000. Vaughan's Seed Store, Chicago and New York.

Asparagus plumosus, 2-in., $3 per 100; 3-in., $6. Sprengeri, 2-in., $3 per 100; 3-in., $6; 4-in., $1.25 per doz.; 5-in., $2. George Wittbold Co., 1657 Buckingham Pl., Chicago.

Asparagus plumosus nanus, 15,000 fine young plants from 2¼-in. pots, worth $3, to close out, $1.50 per 100; $15 per 1,000. The W. T. Buckley Co., Springfield, Ill.

Asparagus plumosus and Sprengeri, 4-in., $8; 3-in., $5; 2¼-in., $2.50; 2-in., $2 per 100. Ludvig Mosbaek, Onarga, Ill.

Asparagus plumosus, 3-in., $5 per 100, Sprengeri, 3½-in., $6 per 100. Scharff Bros., Van Wert, O.

Asparagus plumosus, 2-in., $2.50 per 100; $20 per 1,000. W. F. Kasting, 383 Ellicott St., Buffalo, N. Y.

Asparagus plumosus, 2¼-in., $2 per 100; $18 per 1,000. Jos. H. Cunningham, Delaware, O.

Asparagus plumosus, 4-in., Bushy, 10c to 12c. G. Aschmann, 1012 Ontario St., Philadelphia.

Asparagus plumosus, 2-in., 2¼c. Shippensburg Floral Co., Shippensburg, Pa.

Asparagus plumosus, 3½-in., $6 per 100. Hill Top Greenhouses, Utica, N. Y.

Asparagus Sprengeri, 3½-in., $5 per 100; plumosus, 3½-in., $6 per 100. Poehlmann Bros. Co., Morton Grove, Ill.

Asparagus Sprengeri, 2-in., $2.50 per 100; plumosus, 2-in., $3 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus Sprengeri, 2½-in., $3 per 100; $25 per 1,000. J. W. Dunford, Clayton, Mo.

Asparagus Sprengeri, 2½-in., $2 per 100. Byer Bros., Chambersburg, Pa.

AUCUBAS.

Aucuba Japonica, 10-in., 3 ft., $1.50 each. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

AZALEAS.

Azaleas, Apollo, Hexe, Simon Mardner, Vervæneana, Empress of India, Hermonie, Helen Theilman, Mme. Van der Cruyssen, Niobe, Prof. Walter, 10-12-in., $35 per 100; 12-14-in., $45; 14-16-in., $55; 16-18-in., $90; 18-20-in., $150. Storrs & Harrison Co., Painesville, O.

Azalea indica, leading varieties, 35c, 40c, 50c, 60c, 75c, $1, $1.25 to $1.50 each. G. Aschmann, 1012 Ontario St., Philadelphia.

Azaleas for Christmas blooming, 60c, 75c, $1. Geo. A. Kuhl, Pekin, Ill.

Azalea Mollis. Vaughan's Seed Store, Chicago and New York.

Azaleas. Cottage Gardens Co., Queens, L. I., N. Y.

Azaleas. L. Van Houtte Pere, Ghent, Belgium.

Azaleas. Jacs Smits, Ltd., Naarden, Holland.

BAY TREES.

Bay trees, fine stock. R. Dreyer, Woodside, L. I., N. Y.

Bay trees. L. Van Houtte Pere, Ghent, Belgium.

BEGONIAS.

Begonias Gloire de Lorraine, 6-in., 50c; 3-in., 20c. Begonia flambeau, 4-in. pots, 20c. B. Erfordii, 4-in., 15c. G. Aschmann, 1012 Ontario St., Philadelphia.

Begonia Gloire de Lorraine, fine plants in bloom, 5-in. pans, $9 per doz.; 6-in., $12 per doz. Vaughan's Seed Store, Chicago and New York.

Rex begonias, asst., R. C., $1.25 per 100 prepaid. Shippensburg Floral Co., Shippensburg, Pa.

Begonias. Thos. S. Ware, Ltd., Feltham, England.

Rex begonias, 3-in., 8c. Byer Bros., Chambersburg, Pa.

Begonia Rex, 2 and 2½-in., $5 per 100. Geo. M. Emmans, Newton, N. J.

Begonias. L. Van Houtee Pere, Ghent, Belgium.

BOXWOOD.

Boxwoods, pyramids in tubs, 3 ft., $4 each; 4 ft., $5 each; bush form, 4 ft., $5 each; 1 ft., 35c each, $4.20 per doz; 1½ ft., 50c each. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Boxwood, 12 to 20 ins., 75c per pair; 24 ins., $1 per pair. Pyramids, 3 ft., $2.50 to $3 per pair; 4 ft., $3 to $4; 4 ft. 6 ins., $5; 5 ft., $7. A. Schultheis, College Point, N. Y.

BULBS, ROOTS, TUBERS.

Bulbs, L. Longiflorum, 6 to 8 ins., $3 per 100; $27 per 1,000; 7 to 9 ins., $5 per 100; $45 per 1,000; Multiflorum, 6 to 8 ins., $3 per 100; $28 per 1,000; 7 to 9 ins., $5.50 per 100; $50 per 1,000. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs, white Roman hyacinths, 12x15 ctms., $2.75 per 100; $25 per 1,000; 13x15 ctms., $3.75 per 100; $35 per 1,000; 15 and over, $5 per 100; $45 per 1,000. Tulips in var. W. W. Rawson & Co., 5 Union St., Boston.

Bulbs, Chinese sacred lilies, select, 60c per doz.; basket 30 bulbs, $1.25; per 1,000, $30. Dingee & Conard Co., West Grove, Pa.

Sparaxis, $3.50 per 1,000. Ixias, mix., $2.50 per 1,000. Oxalis (Bermuda buttercup) $6 per 1,000. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Bulbs, narcissus, Golden Spur, $18 per 1,000. Grandee, $10 per 1,000. Horsfieldi, $16 per 1,000. Princeps, $7 per 1,000. Single Von Sion, $11 per 1,000. Trumpet Major, $12 per 1,000. Dbl. Von Sion, $12 per 1,000. Dbl. Von Sion, mammoth dbl. nose, $20 per 1,000. Incomparable fl. pl., $9 per 1,000; Stella, $5.50. Poeticus (Pheasant's eye) $4.50 per 1,000. Poeticus Ornatus, $7 per per 1,000. Orange Phoenix, $11 per 1,000. Giant Campernelle, $6 per 1,000. Dbl. Jonquil, $8 per 1,000. Bicolor Victoria, $3 per 100; $25 per 1,000. Barrie Consp., $8 per 1,000. Silver Pheonix, $20 per 1,000. Mrs. Langtry, $10 per 1,000. Orientalis, (Chinese sacred lily) 4 baskets, 120 bulbs, $4.80. Hyacinths, Grand Maitre, Gigantea, Gertrude, King of the Blues, La Peyrouse, $1.75 per 100. Baroness Van Thuyll, Mme. Van der Hoop, $2.25 per 100. Czar Peter, $2.50 Fine named, such as Albertine, Gertrude, Grand Blanche, Robt. Steiger, Mme. Van der Hoop, L'Innocence, Baron Van Thuyll, Marie Blocksberg. Bouquet Tendre, Flevo, Garrick, Bouquet Royal, La Virginite, Prince of Orange, etc., our selection of vars., $4 per 100; $30 per 1,000. White Romans, selected, 13-15 cm., $3 per 100; $25 per 1,000. Lilium longiflorum, Japan grown, 9-10 ins., case of 200, $15. Multiflorum, 7-9 ins., case of 300, $15; 9-10 ins., case of 200, $17. Giganteum, 8-10, case of 225, $22.50. Freesia refacta alba, $7.50 per 1,000. Lily of the valley, Perfection grade, case of 2,000 pips, $28. Gladiolus Colvilli alba, The Bride, $7.50 per 1,000; rubra, $6.50 per 1,000. Tulips, Cottage Maid, Count of Leicester, Duke of York, $9 per 1,000. Keizerskroon, $17 per 1,000. La Reine, $8.50 per 1,000. Prince of Austria, $24 per 1,000. Bizarre, mix., $7 per 1,000. Darwins Peony red, $10 per 1,000. Golden Crown, $7.50 per 1,000. Parrots, named, Gloire Solis, Lady Grandison, $12 per 1,000. Murillo, $19 per 1,000. Rose Blanche, $8 per 1,000. Crocus, large size, David Rizzio, La Majesteuse, Mont Blanc, Prince Albert, Sir Walter Scott, etc., $5 per 1,000; sep. colors, blue, white, yellow, striped, $3 per 1,000. Allium Neapolitanum, $5 per 1,000. Anemones, single, $4 per 1,000. Chionodoxa Lucillae, $6.50 per 1,000. Grape Hyacinths, blue, $3.50 per 1,000; white, $6.50 per 1,000. Spanish iris, mix., $2.50 per 1,000. Dbl. Ranunculus, French, $3.50 per 1,000; Persian, $4 per 1,000; Turban, $5 per 1,000. Scilla Campanulata cerulea, $3.50 per 1,000. Snowdrops, single and giant, $6 per 1,000. F. R. Pierson Co., Tarrytown, N. Y.

Bulbs, Dutch hyacinths, about $2 per 100; La Grandesse, L'Innocence, Baron Von Thuyll, Gertrude. Czar Peter, Mme. Van der Hoop, Chas. Dickens, Grand Maitre. Single hyacinths, separate colors, $2.75 per 100: White and blush rose. Double hyacinths, sep. colors, $2.75 per 100; rose, pure white, white and blush. Narcissus, Incomparable, Orange, Phœnix, Empress, Emperor, Grand Primo, Soleil d'Or, Ard Righ. Tulips, from 1,500 to 3,000 of each. Duchess of Parma, Mon. Tresor, Thos. Moore, Rose Gris de Lin, Vaughan's New Pink, Rosa Mundi, Crimson King, Gesneriana, Joost Van Vondel, Princess Marie Ann, Pottebakker, Belle Alliance, Prosperine, Dusart, gold striped and scarlet; Rembrandt, Gold Finch, single late mixed; double named; Murillo, Tournesol, red and yellow, Crown d'Or, Imperator Rubrorum, Rosine, Rose Blanche, dbl. early extra mixed, dbl. early fine mixed, dbl. extra late mixed. Parrot tulips, 3 kinds. Vaughan's Seed Store, Chicago and New York.

Bulbs, Narcissus Empress and Henry Irving, Candidum lilies. E. F. Winterson Co., 45 Wabash Ave., Chicago.

Bulbs of all kinds. Currie Bros. Co., 308 Broadway, Milwaukee, Wis.

If you do not find what you need in our Ready Reference Department, write us about it.

Bulbs, hyacinths, tulips, narcissus, crocus, lilies, freesias. Jas. Vick's Sons, Rochester, N. Y.

Bulbs of all kinds. A. T. Boddington, 342 W. 14th St., New York.

150,000 cannas, 35 leading varieties. Ludvig Mosbaek, Onarga, Ill.

Cannas. Thos. S. Ware, Ltd., Feltham, England.

Lily of the valley, pips for forcing, $1.50 per 100; $14 per 1,000. H. N. Bruns, 1409 W. Madison St., Chicago.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

CARNATIONS.

Carnations, rooted cuttings, Red Chief, Bonnie Maid, Aristocrat, $12 per 100; $100 per 1,000. Rose Pink Enchantress, $7 per 100; $60 per 1,000; White Perfection, $6 per 100, $50 per 1,000. F. Dorner & Sons Co., La Fayette, Ind.

Carnations, Rose Pink Enchantress, rooted cuttings, $7 per 100; $60 per 1,000. S. S. Skidelsky, 824 No. 24th St., Philedelphia.

Carnations, Pink Imperial, cuttings, $2.50 per doz.; $12 per 100; $100 per 1,000. John E. Haines, Bethlehem, Pa.

Carnations, 1,500 Norway, $3.50 per 100; $30 per 1,000. J. W. Dunford, Clayton, Mo.

Carnation Mabelle, new, $12 per 100; $100 per 1,000. H. Weber & Sons Co., Oakland, Md.

Carnations, hardy plants from frames, $2 per 100. Byer Bros., Chambersburg, Pa.

Carnation, Bertha Rath. R. Dreyer, Woodside, L. I., N. Y.

Carnations for fall delivery. Wood Bros., Fishkill, N. Y.

Carnations, J. D. Thompson Carnation Co., Joliet, Ill.

Carnations, leading vars. A. M. Herr, Lancaster, Pa.

CHRYSANTHEMUMS.

Chrysanthemums, stock plants, Kalb, A. Byron, Robinson, Adelia, W. Bonnaffon, Crawford, T. Eaton, Chadwick, Merry Christmas, Willowbrook, Wanamaker, Col. Appleton, Halliday, Y. Eaton, Bonnaffon, Whilldin, Reiman, Merstham Yellow, Sunshine, McNiece, Perrin, Enguehard, M. Dean, Pink Ivory, Intensity, $6 per 100; 75c per doz. Poehlmann Bros. Co., Morton Grove, Ill.

Chrysanthemums, stock plants, Alice Byron, C. Touset, Appleton, Dr. Enguehard, Dr. Galloway, E. Fitzroy, Femina, Geo. W. Childs, Ivory, Nonin, Lord Hopetoun, Monrovia, Matchless, Mrs. H. Robinson, Mrs. Coombes, Opah, Polly Rose, Roi d' Italic, T. Eaton, Yellow Eaton, $1 per doz. Mary Mann, $2 per doz. Mrs. G. Buch, $2 per doz. E. G. Hill Co., Richmond, Ind.

Chrysanthemums, stock plants, C. Touset, Ben Wells, Mrs. Swinburne, Mrs. Buckbee, Anna Dobono, P. Boncourt, Nonin, Chadwick, Majestic, Adelia, Roi de Italia, H. Dick, Matchless, Mme. H. Delizy, 6c each. Mme. Lochmann, San Souci, May Sedden, T. Richardson, H. Partridge, Baroness Ceufica, 20c each. W. A. Chalfant, Springfield, Mo.

Chrysanthemums, stock plants, C. Touset, Nonin and Moneymaker. Monrovia, Pacific, Bonnaffon, white and yellow Eaton, Mrs. Weeks, V. Morel, J. K. Shaw, A. Byron, Galloway, B. Wells, Enguehard, Golden Age, Yanoma, Chadwick, $1 per doz.; $8 per 100. Gunnar Teilmann, Marion, Ind.

Chrysanthemums, stock plants, C. Touset, Nonin, Appleton, Monrovia, Opah, Alice Byron, G. Chadwick, W. Chadwick, V. Morell, Fitzroy, Dr. Enguehard, J. Marshall, O. P. Bassett, L. Montford, Lord Hopetoun, Newell, 75c per doz. Mary Mann, $1.75 per doz. Lampert Floral Co., Xenia, O.

Chrysanthemums, stock plants of the following varieties at $4 per 100: Kalb, Glory of Pacific, Polly Rose, Pink Ivory, White Ivory, Wm. Duckham, Maud Dean, Marie Layer, Dr. Enguehard, A. J. Balfour, Alice Byron, R. Halliday, W. H. & C. B. Newman, Akron, N. Y.

Chrysanthemums, Wm. Simpson, Polly Rose, Glory of Pacific, Ivory, white and pink, Major Bonnaffon, Halliday, M. Dean, Adelia, V. Morel, L. Queen, Yel. Jones, Queen, G. Wedding, Childs, Dr. Enguehard, Alma, 75c per doz.; $5 per 100. John Walker Youngstown, O.

Chrysanthemums, stock plants, Robinson, Wanamaker, Ivory, De Kalb, Willowbrook, Estelle, Bonnaffon, Halliday, McNiece, Mrs. Coombs, 75c per doz.; $5 per 100. Dr. Enguehard, Appleton, $1 per doz.; $7 per 100. Jensen & Dekema, 674 W. Foster Ave., Chicago.

Chrysanthemums, select plants, Golden Wedding, Polly Rose, Mrs. Chadwick, Col. Appleton, Ben Wells, O. P. Bassett, N. Pockett, Wm. Duckham, V. Morel, Robinson, 60c per doz.; $4 per 100. Cash. McRae-Jenkinson Co., Cheswick, Pa.

Chrysanthemum novelties, White Sport of Duckham, Mrs. A. T. Miller, Moneymaker, Rose Lawrence, Mary Godfrey, Buttercup, Miss Miriam Hankey, Mrs. Henry Barnes and many others. Chas. H. Totty, Madison, N. J.

Chrysanthemums, stock plants, Mrs. Duckham, Col. Appleton, Cheltoni, F. A. Cobbold, F. S. Valis, Wm. Duckham, Nellie Pockett, Merza, Henry Robinson, etc., $10 per 100. C. Peterson, 307 Lincoln St., Flushing, N. Y.

Chrysanthemums, stock plants, $10 per 100. Bergman, Touset, Buckbee, Adelia, Nonin, Monrovia, Henderson, Halliday, G. Wedding, J. K. Shaw, M. Liger, Mary Mann, Dr. Enguehard, Bassett & Washburn, 76 Wabash Ave., Chicago.

Chrysanthemums, stock plants, C. Touset, J. Nonin, Ben Wells, Eaton, Chadwick, G. Chadwick, Yel. Eaton, Yel. Chadwick, Monrovia, Plumeridge, Enguehard, Balfour, $1 per doz. J. A. Budlong, 37 E. Randolph St., Chicago.

Chrysanthemums, C. Touset, Nonin, 75c per doz.; $5 per 100. Pacific, Estelle, Willowbrook, Halliday, Kalb, L. Harriet, 60c per doz.; $4 per 100. Eggeling Floral Co., 1653 S. Grand Ave., St. Louis, Mo.

Chrysanthemums, stock plants, Rosiere, $1.50 per doz. Emereter, Merstham, C. Touset, $1 per doz. Monrovia, Omega, M. Bergman, Willowbrook, 75c per doz. Eli Cross, Grand Rapids, Mich.

Chrysanthemums, stock plants, R. Halliday, A. Byron, F. Pullman, Mrs. Weeks, Cheltoni, T. Eaton, yellow Eaton, 75c per doz.; C. Touset, $1 per doz. Robt. E. Rudolph, Paducah, Ky.

Chrysanthemums, Kalb, Ivory, Mrs. Chadwick, Mutual Friend, Pennsylvania, Appleton, Golden Age, Shaw, Murdock, P. Ivory, V. Morel, Liger, Indiana. Geo. A. Kuhl, Pekin, Ill.

Chrysanthemums, stock plants, Touset and Nonin, $1 per doz. Lavender Queen, yellow and white Eaton, Liger, Shaw, Monrovia, 75c per doz. W. W. Coles, Kokomo, Ind.

Chrysanthemums, old stools, Polly Rose, Appleton, Duckham in exchange for Begonia Gloire de Lorraine, or heap offer. Riverbank Greenhouses, Geneva, Ill.

Chrysanthemums, stock plants, 175 Shaw, 125 Halliday, 75 M. Newell, 36 Xeno, 75c per doz.; $5 per 100. W. F. Kasting, 383 Ellicott St., Buffalo, N. Y.

Chrysanthemums, leading foreign and American varieties. Nathan Smith & Son, Adrian, Mich.

Chrysanthemums. Wood Bros., Fishkill, N. Y.

CIBOTIUMS.

Cibotium Schiedei, 5-in., $9 per doz.; 6-in., $12 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

CINERARIAS.

Cineraria, Benary, Cannell, Sutton's strain, all colors mixed, 2¼-in., $2.50 per 100. Shellroad Greenhouses, Grange, Baltimore, Md.

Cinerarias, 3-in., $3 per 100. Hill Top Greenhouses, Utica, N. Y.

CLEMATIS.

Clematis. Vaughan's Seed Store, Chicago and New York.

COBOEA.

Cobœa Scandens, 4-in., $8 per 100. Godfrey Aschmann, 1012 Ontario St., Philadelphia, Pa.

CYCLAMENS.

Cyclamens, 5-in., $15 per 100; 4-in., $10 per 100; 3-in., $5 per 100, 300 for $10. Hill Top Greenhouses, Utica, N. Y.

Cyclamen plants, grand strain, 5-in., showing bud, $35 per 100. Riverbank Greenhouses, Geneva, Ill.

Cyclamen, 5-in., 20c; 4-in., 12c. G. Aschmann, 1012 Ontario St., Philadelphia.

DAHLIAS.

Dahlias, improved Countess of Lonsdale, cactus type, 6 for $1; $1.75 per doz.; $12 per 100. Arthur T. Boddington, 342 W. 14th St., New York.

Dahlias. Thos. S. Ware, Ltd., Feltham, England.

DAISIES.

Daisies, dbl., leading vars., $2.50 per 1,000. Byer Bros., Chambersburg, Pa.

DEUTZIAS.

Deutzias, in variety. W. & T. Smith Co., Geneva, N. Y.

Deutzias. Vaughan's Seed Store, Chicago and New York.

DRACAENAS.

Dracæna fragrans, 5-in., 50c each, $5 per doz; 7-in., $1 each; $12 per doz; D. indivisa, 2-in., $2.50 per 100; 6-in., 20 to 26 ins., 50c each; $5 per doz.; 7-in., 30 to 34 ins., 75c each; $9 per doz.; D. terminalis, 2-in., $1.25 per doz.; 3-in., $2 per doz.; 6-in., $9 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Dracæna Bruanti, 30-in., 6-in. pots, 50c each; $5 per doz. G. Aschmann, 1012 Ontario St., Philadelphia.

Dracæna indivisa, 4 and 5 in., $10 and $25 per 100. Geo. M. Emmans, Newton, N. J.

FERNS.

Ferns, Boston, 2½-in., 60c per doz.; $5 per 100. 3-in., $1.50 per doz.; $10 per 100. 4-in., $2.50 per doz.; $20 per 100. 5-in., 50c each; $5 per doz.; $40 per 100. 6-in. pans, 75c each; $8 per doz.; $60 per 100. 7-in., $1 each; $10 per doz.; $75 per 100. 8-in., $1.50 each. $15 per doz. 9-in., $2 to $2.50 each. 10-in., $3 to $3.50 each. 12-in., $4 to $5 each. Ferns for dishes, asst., 2¼-in., $3 per 100; $25 per 1,000. Pteris tremula, 4-in., $10 per 100. Vaughan's Seed Store, Chicago and New York.

Ferns, Boston, 5-in., $3; 6-in., strong, $6; 7-in., $9. Large specimens, $1.50, $2, $3 each. Assorted ferns for dishes, $3 per 100; $25 per 1,000. Pteris Wimsetti, 5-in., 75c per doz.; $6 per 100. Pteris argyrea, 3-in., $1 per doz.; $8 per 100. Aspidium Ten., 3-in., $1 per doz.; $8 per 100. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Ferns, Whitmani, runners from bed, $7 per 100; $60 per 1,000; 3-in., $10 per 100; $90 per 1,000. Scottii, runners from bed, $25 per 1,000; 3-in., $40 per 1,000. Wm. K. Harris, 55th St. and Springfield Ave., Philadelphia.

Ferns, Boston, 4-in., 10c; 5-in., 12½c; 3-in., 5c; Tarrytown, 3-in., 10c; 4-in., 15c; 6-in., 25c; runners, $2 per 100; Scottii, 3-in., 8c; 4-in., 12½c. Byer Bros., Chambersburg, Pa.

Ferns, for dishes, fine plants, 2½-in., $3 per 100; $25 per 1,000; 3-in., $5 per 100; $45 per 1,000. Gus. Adrian, Clifton, Cincinnati, O.

Ferns, Piersoni, 6-in., 35c; 5-in., 25c; 4-in., 15c. Boston, 5-in., 25c; 4-in., 15c. Scottii, 5-in., 30c; 4-in., 20c. Anna Foster, 2½-in., 4c. Benj. Connell, West Grove, Pa.

Ferns, N. Whitmani, young plants from bench, $6 per 100. Davis Bros., Morrison, Ill.

If you do not find what you need in our Ready Reference Department, write us about it.

Ferns, Barrowsii, 7-in., 75c to $1 each; 6-in., 50c; 5½-in., 40c; 5-in., 35c; 4-in., 25c. Scottii, 8-in., $1.25; 7-in., 75c; 6-in., 50c; 5½-in., 40c; 4-in., 20c. Elegantissima, 5-in., 30c. Boston, 7-in., 75c; 6-in., 50c; $5 per doz.; 5-in., 30c to 35c; 4-in., 20c. Ferns for dishes, 2½-in., $5 per 1000; 3-in., $6. G. Aschmann, 1012 Ontario St., Philadelphia.

Ferns, N. Piersoni Elegantissima, 2¼-in. pots, $12 per 100; specimen plants, 6-in., $1 each; 8-in., $2; 10-in., $3; 12-in., $5; 14-in., $7.50; 16-in., $10. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns, Boston, Piersoni, Anna Foster and Sword, 2¼ and 3-in., $3 and $6 per 100; 6-in., $4; 8-in., $12; 10-in., $25 per doz. Ludvig Mosbaek, Onarga, Ill.

Ferns, N. Whitmani, 2¼-in., $25 per 100. Boston, 2¼-in., $3 per 100. H. H. Barrows & Sons, Whitman, Mass.

Ferns, Boston, from bench, for 4 and 5-in., $10 and $15 per 100. J. W. Dunford, Clayton, Mo.

Ferns, Whitmani, 2½-in., $12.50; 3-in., $25; 4-in., $50; 5-in., $75. Geo. A. Kuhl, Pekin, Ill.

Ferns, Elegantissima, 2½-in., $5 per 100. Storrs & Harrison Co., Painesville, O.

Ferns, orders booked now for N. Amerpohli, Janesville Floral Co., Janesville, Wis.

Ferns, Boston, 5-in., 30c each. Piersoni, 6-in., 50c each. Geo. M. Emmans, Newton, N. J.

Ferns, Scottii, 5-in., $25 per 100. Holton & Hunkel Co., Milwaukee, Wis.

Ferns, A. Hybridum, 2¼-in., $5 per 100. A. Ley & Bro., Langdon, D. C.

Ferns, all leading varieties. R. Dreyer, Woodside, L. I., N. Y.

FICUS.

Ficus elastica, 5-in., 12 to 14 ins., $5 per doz.; $40 per 100. Vaughan's Seed Store, Chicago and New York.

Ficus, 6-in., 25 to 30 ins., 40c to 50c each. G. Aschmann, 1012 Ontario St., Philadelphia.

GERANIUMS.

Geraniums, from 2-in. pots. Alliance, Lemoine, 1905, 25c each; $2 per doz. Fleuve Blanc, $1.50 per doz.; $10 per 100. Cactus, 4 vars., $2 per doz., $15 per 100. Double Dryden, $1 per doz.; $5 per 100. Nutt, La Pilote, Poitevine, Mme. Barney, Centaure, Kendall, Mme. Jaulin, Viaud, Mme. Charotte, 40c per doz.; $2 per 100; $18 per 1,000. Ville de Poitiers, M. de Castellane, Berthe de Presilly, M. Jolly de Bammeville, T. Meehan, 50c per doz.; $3 per 100; $25 per 1,000. R. Vincent, Jr., & Son, White Marsh, Md.

Geraniums, the following "Six Kings"; S. A. Nutt, deep scarlet; A. H. Trego, scarlet; Peter Henderson, bright scarlet; Beaute Poitevine, salmon; Jean Viaud, pink; Mme. Buckner, white; all semi-double, strong top cuttings, well rooted, $1.50 per 100; $15 per 1,000. Cash. The W. T. Buckley Co., Springfield, Ill.

Geraniums, S. A. Nutt, Castellane, John Doyle, Perkins, Double Gen. Grant, La Favorite, Poitevine, 2-in. pots, $2 per 100; R. C., $1 per 100. Geo. M. Emmans, Newton, N. J.

Geraniums, R. C., Nutt, Doyle, dbl. Grant, Buckner, Gervais, $10 per 1,000. Peter Brown, Lancaster, Pa.

Geraniums, leading vars. A. M. Herr, Lancaster, Pa.

GLOXINIAS.

Gloxinias. L. Van Houtte Pere, Ghent, Belgium.

GREENS.

Greens, holly, case 2x2x4 ft., $3. Laurel branches, case 2x2x4 ft., $2.50. Cedar branches with berries, case 2x2x4 ft., $3. Green sheet moss, per bbl., $1.25 W. Z. Purnell, Snow Hill, Md.

Greens, fancy ferns, $1 per 1,000. Galax, $1.25. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Greens, wreathing, standard, per coil, 20 yds., 60c; light weight, 50c; standard dyed, 60c; light weight, 50c. Wreaths, holly, Delaware, $1.10 per doz.; Southern, $1 per doz.; evergreen mixed, $1 per doz. Evergreen, plain, $1 per doz.; with immortelles, $1.10 per doz. Galax, green or bronze, 90c per doz.; with immortelles, $1 per doz.; magnolia wreaths, $1 per doz.; with immortelles, $1.10 per doz. Delaware holly, per crate, $4 to $4.50; Southern, $3.25 to $3.75. Mistletoe, per lb., 20c. Needle pines, per doz., $1.50. Galax leaves, per 1,000, $1. California pepper boughs, per crate, $4.50. Magnolia leaves, per barrel, $6.50. H. Woods Co., 127 S. Water St., Chicago.

Greens, dagger and fancy ferns, $1.25 per 1,000. Southern wild smilax, $7 per 50-lb. case; $4 per 25-lb. case. Bronze and Green galax, $1 per 1,000; $7.50 per case of 10,000. Laurel festooning, 5c and 6c per yd. Laurel wreaths, from $2 per doz. upwards. Princess pine, $7 per 100 lbs. Branch laurel, 50c per bunch. Henry M. Robinson & Co., 11 Province St., Boston.

Greens, Delaware holly, per case 2x2x4 ft. $3; Virginia, 2x2x4 ft., $2.75. Holly wreaths, 10c and 12c. Laurel roping, 3c per yd. H. L. Hubbs, 34th and Cumberland Sts., Philadelphia.

Holly, Delaware holly, Lycopodium and a full line of Xmas green decorations. Buy in Denver and get quick delivery. Price list now ready. Barteldes Seed Co., Denver, Col.

Greens, galax. leaves, ferns and leucothoe sprays, holly. Princess pine, all kinds of evergreens. Galax leaves, $1 per 1,000. N. Lecakes & Co., 53 W. 28th St., New York.

Greens, holly, bouquet green, laurel, mistletoe, needle pines, wreathing, holly and evergreen wreaths, etc. Vaughan's Seed Store, Chicago and New York.

Greens, cut palmetto and cycas palm leaves, galax, leucothoe, ferns, mosses and all decorating evergreens. The Kervan Co., 20 W. 27th St., New York.

Xmas trees, fine nursery grown balsam and spruce, 4 to 7 ft. high at very low prices to close, $10 per 100. Cash. Jos. Bancroft & Son, Cedar Falls, Iowa.

Decoration Material, fancy fern leaves, also galax, green sheet moss, etc. Ask for latest price list. Barteldes Seed Co., Denver, Col.

Greens, holly, bouquet green, mistletoe, evergreen wreathing, etc. E. F. Winterson Co., 45-49 Wabash Ave., Chicago.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 52 W. 28th St., New York.

Wreathing, light, $3; medium, $4 per 100 yds. Cash with order. Jos. Bancroft & Son, Cedar Falls, Iowa.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. A. J. Fellouris, 52 W. 28th St., New York.

Greens, evergreens, galax, ferns, decorative supplies, moss. Jno. P. Scherer, 636 Garden St., Union Hill, N. J.

Greens, bouquet green and Christmas trees. Northern Mich. Evergreen Nursery, Clark St. Bridge, Chicago.

Greens, Beaven's fadeless sheet moss, $3.50 per bag. Southern wild smilax. E. A. Beaven, Evergreen, Ala.

Greens, Southern wild smilax. Caldwell The Woodsman Co., Evergreen, Ala.

HARDY PERENNIALS.

Iris Germanica, Mme. Chereau, Gracchus, Florentine, Socrates, Duchess de Nemours, Dr. Bernice and 20 others, $2.50 per 100; $22.50 per 1,000. Hemerocallis in 10 vars., $3.75 per 100; $30 per 1,000, Delphinium Belladonna, 1 yr., plants, $6.25 per 100; $57.50 per 1,000; 3 yr., clump, $8.75 per 100; $75 per 1,000. Chrysanthemum maximum King Edward, largest white Marguerite, strong from ground, $8.75 per 100. Lathyrus latifolius White Pearl, from ground, $12.50 per 100. Thos. S. Ware, Ltd., Feltham, England.

Phlox, iris, pinks, etc. Vick & Hill, Rochester, N. Y.

Hardy Perennials, German iris, asst. colors; golden glow (Rudbeckia), Boltonia, white and pink, $1 to $5 per 100 clumps. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Hardy pinks, field-grown, Essex Witch, M. Gray, Abbottsford, 3½c. Byer Bros., Chambersburg, Pa.

Hardy, perennial herbaceous plants, 50,000 field and pot grown. Ludvig Mosbaek, Onarga, Ill.

Dielytra spectabilis, strong clumps, $8 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

HELIOTROPE.

Heliotrope, blue, R. C., 75c per 100 prepaid. Shippensburg Floral Co., Shippensburg, Pa.

HIBISCUS.

Hibiscus Syriacus Meehani. P. J. Berckmans Co., Inc., Augusta, Ga.

HOLLYHOCKS.

Hollyhocks, dbl., 4 colors, 1-yr., 3c. Byer Bros., Chambersburg, Pa.

Hollyhocks, separate colors, $7.50. Perennials Gardens Co., Toledo, O.

HYDRANGEAS.

Hydrangeas, Otaksa and Thos. Hogg, 7-12 crowns, $12 per 100; 5-6, $9 per 100; 4, $7 per 100. Jackson & Perkins Co., Newark, N. Y.

Hydrangea P. G. Vaughan's Seed Store, Chicago and New York.

Hydrangeas, 50c, $1, $1.50. Geo. A. Kuhl, Pekin, Ill.

IVY.

Ivy, hardy English, $2 per 100; $15 per 1,000. R. Vincent, Jr., & Son, White Marsh, Md.

JERUSALEM CHERRIES.

Jerusalem cherries, with berries, 5-in., 40c each; $3 per doz.; 6-in., 50c each; $5 per doz. Vaughan's Seed Store, Chicago and New York.

Jerusalem cherries, 3½-in. in bloom, $4 per 100. J. W. Dunford, Clayton, Mo.

MARANTAS.

Maranta Lietzii, 2½-in., $1 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

MUSHROOM SPAWN.

Mushroom Spawn, pure culture spawn, and importers of English mushroom spawn. Knud Gundestrup & Co., 4273 Milwaukee Ave., Chicago.

Mushroom spawn, Pure Culture, per 10 bricks, $1.50; 25 bricks, $3.50; 50 bricks, $6.50; 100 bricks, $12. W. C. Beckert, 103 Federal St., Allegheny, Pa.

Mushroom Spawn, English and pure culture, Weeber & Don, 114 Chambers St., New York.

Mushroom Spawn, frequent importations from England. J. J. Styer, Concordville, Pa.

NURSERY STOCK.

Shrubs, fine, healthy stock of Tamarix, 3 to 5 ft., 3c; 4 to 5 ft., 4c; 5 to 6 ft., 5c. Deutzias, asst., 2 to 3 ft., 5c. Spiræa Bill. and opulifolia, 2 to 3 ft., 6c. Stag Horn Sumach, 4 to 5 ft., 12c; 5 to 6 ft., 15c. California privet, 2 to 3 ft., well branched, 3c. Forsythia suspensa, 2 to 3 ft., 6c. Stock must be sold to clear ground. Elmhurst Nursery, Argentine, Kans.

Nursery stock, shade trees, fruit trees, small fruits, shrubs, clematis, Barbary Thunbergii. W. & T. Smith Co., Geneva N. Y.

Nursery stock, trees and shrubs. Price list on application. Peterson's Nursery, 503 W. Peterson Ave., Chicago.

Calycanthus, sweet shrub, 1½ to 2 feet transplanted, $5 per 100. The E. Y. Teas Co., Centerville, Ind.

Nursery stock, evergreen and deciduous flowering shrubs and vines. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, all kinds of hardy stock. Klehm's nurseries, Arlington Heights, Ill.

If you do not find what you need in our Ready Reference Department, write us about it.

Nursery stock, large trees, oak, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, pot-grown shrubs, conifers and ornamental stock. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, Biota, aurea nana, conifers, oranges, etc. P. J. Berckmans Co. (Inc.), Augusta, Ga.

Nursery stock, deciduous trees and shrubs, evergreens. Cottage Gardens Co., Queens, L. I., N. Y.

Nursery stock, plants and shrubbery of all kinds. Dingee & Conard Co., West Grove, Pa.

Nursery stock, lilac bushes, large white, 4 to 6 ft. R. Fischer, Great Neck, L. I., N. Y.

ORCHIDS.

Orchids, C. Dowiana, C. Gigas, C. Mossiæ, C. Percivaliana, C. speciosissima, C. Eldorado, C. superba, C. labiata, C. Leopoldi. Lager & Hurrell, Summit, N. J.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England; New York office, room 1, 235 Broadway.

Orchids, imported seedlings. Julius Roehrs Co., Rutherford, N. J.

PALMS.

Palms, Areca Lutes., 4-in., 3 plts. in pot, 15-in., $3.50 per doz.; $25 per 100; Cocos Wed., 2¼-in., 5 to 6 ins., $1.50 per doz; $10 per 100; $90 per 1,000; 3-in., 8 to 10 ins., $2 per doz.; $15 per 100; $140 per 1,000. Kentia Fors., 6-in., 6 lvs., 24 to 28 ins., $1 each; 6-in., 6 lvs., 28 to 30 ins., $1.25; 6-in., 6 lvs., 30 to 32 ins., $1.50; 7-in., 6 lvs., 34 to 36 ins., $2; 7-ins., 6 lvs., 36 to 40 ins., $2.50; 9-in., 6 lvs., 46 to 48 ins., $3.50; 7-in. tubs, 6 lvs., 48 ins., $4; 12-in., 6 to 7 lvs., 8 to 10 ft., $15. Made up, 9-in., 4 plts. in pot, 3½ ft., $4 each; 9-in. tubs, 4 plts., 4 ft., $5; 12-in., 4 plts., 6½ to 7 ft., $15; 13-in., 4 to 6 plts., 5½ to 6 ft., bushy, $15. Bel., 6-in., 6 lvs., 20 to 24 ins., $1 each; 6-in. 6 lvs., 24 to 26 ins., $1.25; 6-in., 6 to 7 lvs., 26 to 28, $1.50; 7-in., 6 to 7 lvs., 34 to 36 ins., $2.50; 9-in. tubs, 6 to 7 lvs., 48 ins., heavy, $7.50. Latania Borb., 7-in., 6 to 8 lvs., heavy, $1 each. Livistona Rotundifolia, 4-in., $4 per doz.; $30 per 100. Phœnix Can., 2½ ft., $2 each; 3½ ft., $3.50; 4 to 4½ ft., $5; 4½ to 5 ft., $6. Phœnix Roebelenii, 4-in., 10 ins., $1 each; 5-in., 12 ins., $1.25; 8-in., 18 ins., $3.50. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Palms, Kentia Fors., made-up, 1 large and 3 small in pot, 45 to 48, 25 to 30 ins., $2, $2.50; 6-in., single, 36 to 45 ins., 5 to 6 leaves, $1.25 to $1.75; 6-in., 32 to 36 ins., 5 to 6 lvs., $1; 5½ to 6-in., 30 ins., 5 lvs., 75c; 4-in., made-up, 3 plts. in pot, 18, 20 to 25 ins., 25c, 30c, 35c. Cocos Wed., 15c. Areca Lutescens, 5-in., 24 ins., made-up, 3 plts., 35c; 4-in. pots, 20 to 24 ins., 3 plts., 25c. Areca Sapida, 25 ins., 50c each. G. Aschmann, 1012 Ontario St., Philadelphia.

Palms, Cocos, 2-in., $2 per doz.; C. Bonetti, specimens, $40 each. Kentia Bel., 3-in., $2 per doz.; Kentia Fors, 7-in., $2 each; $24 per doz.; 7-in., X, $2.50 each; 7-in., XX, $3 each. Phœnix Can., 2-in., $1 per doz.; 10-in., $2.50 and $3 each; large specimens, Phœnix Recli., 3½-in., $2 per doz.; 4-in., $3 per doz. Latania Bor., 3-in., $1.50 per doz.; 3½-in., $2; 4-in., $3; 5-in., $5; 7-in., $12. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Palms, Chamærops excelsa, 2-in. pots, strong $3 per 100; 4-in. pots, strong, $15 per 100. Theodosia B. Shepherd Co., Ventura, Cal. W. H. Francis, Mgr.

Palms, Latania Bor., 4-in., $15 per 100. Kentia Bel., 5-in., $60 per 100. Storrs & Harrison Co., Painesville, O.

Palms of all kinds. R. Dreyer, Woodside, L. I., N. Y.

Palms. P. J. Berckmans Co. (Inc.), Augusta, Ga.

Palms. L. Van Houtte Pere, Ghent, Belgium.

PANDANUS.

Pandanus Utilis, 3-in., per doz., $1.50; 4-in., per doz., $3; 5-in., per doz., $5. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

PANSIES.

Pansies, $3 per 1,000; 50c per 100. Jos. H. Cunningham, Delaware, O.

PEONIES.

Peonies, Prince Charles, Lord Salisbury, Duchess of Sutherland, Rosea maxima, Mme. Furtado, Philomile, Leonie, Mons. Boquil, Festiva, Hypatia, Mons. Rousselon, Mme. Moreau, 1 yr., $1.50 per doz.; $10 per 100; 2 yr., $2 per doz.; $15 per 100. Thos. S. Ware, Ltd., Feltham, England.

Peonies, choice kinds, Festiva Maxima, Felix Crousse, Queen Victoria, etc., at lowest rates. Fine mixed sorts, $5 per 100. The E. Y. Teas Co., Centerville, Ind.

Peonies, Queen Victoria, $9 per 100. Festiva Maxima, $30 per 100; Fragrans, $6 per 100. G. H. Wild, Sarcoxie, Mo.

Peonies a specialty. Peterson Nursery, 503 W. Peterson Ave., Chicago.

Peonies, all vars. Jacs Smits, Ltd., Naarden, Holland.

Peonies. W. & T. Smith Co., Geneva, N. Y.

PEPPERS.

Peppers, Celestial or Xmas., 4-in., $1.25 per doz.; $10 per 100, 5-in., $2 per doz.; $15 per 100. Vaughan's Seed Store, Chicago and New York.

PRIMULAS.

Primroses, Chinese and obconica, 4-in., $6 per 100; 3-in., $3 per 100. Hill Top Greenhouses, Utica, N. Y.

Primroses, obconica, alba and rosea, $1.50 per 100; $12 per 1,000. Jos. H. Cunningham, Delaware, O.

Primroses, 4-in., $10 per 100; 5¼-in., $2 per doz. G. Aschmann, 1012 Ontario St., Philadelphia.

Primula obconica. 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

PRIVET.

Privet, California, the best. R. Dreyer, Woodside. L. I., N. Y.

RHODODENDRONS.

Rhododendrons, 50c and 75c each. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Rhododendrons. Vaughan's Seed Store, Chicago and New York.

Rhododendrons. Jacs Smits, Ltd., Naarden, Holland.

Rhododendrons. Cottage Gardens Co., Queens, L. I., N. Y.

ROSES.

Roses, Baby Rambler, 1st size, 2 yr., $3 per doz.; $25 per 100; $200 per 1,000. 2nd size, 2 yr., $2.50 per doz.; $20 per 100; $150 per 1,000; 1st size, 1 yr., $2 per doz.; $15 per 100; $120 per 1,000. Pot-grown, 4-in., $3 per doz.; $20 per 100. 5-in., $5 per doz.; $40 per 100. 6-in., $6 per doz., $50 per 100. Etoile de France, 1-yr., dormant, $2 per doz.; $15 per 100. Richmond, 3-in., $8 per 100; $75 per 1,000; 4-in., $12 per 100; $100 per 1,000. Killarney, 3-in., $8 per 100; $75 per 1,000; 4-in., $12 per 100; $100 per 1,000. H. P. roses and Crimson Ramblers. Vaughan's Seed Store, Chicago and New York.

Roses, home grown, Baby Rambler, $2.50 per doz.; $20 per 100. Hermosa, $1.65 per doz.; $12.50 per 100. C. Soupert, $1.65 per doz., $12.50 per 100. Imported, extra heavy hybrid perpetuals, all vars., $1.50 per 10; $12.50 per 100. Baby Rambler, $2 per 10; $17.50 per 100; Crimson Rambler, $1.75 per 10; $15 per 100. Perennial Gardens Co., Toledo, O.

Roses, Crimson Rambler and Dorothy Perkins, field-grown, 4 to 6 shoots, $3 per doz.; $20 per 100. W. F. Kasting, 383 Ellicott St., Buffalo, N. Y.

Roses, H. P's, H. T's, T's, R's, Cl's, B., etc., 101 best sorts, own roots. Leedle Floral Co. Springfield, O.

Roses, 2-yr., field-grown, hybrid perpetuals, $10 and $12 per 100; Crimson Rambler, $9 per 100; Dorothy Perkins, $7 per 100. Lady Gay, 2½-in. pots only. Jackson & Perkins Co., Newark, N. Y.

Rose, Queen Beatrice, finest forcing pink, to be disseminated spring of 1907. F. H. Kramer, 916 F St., N. W., Washington, D. C.

Roses, from 2½-in. pots, Ivory, G. Gate, Bride, Maid, Chatenay. Mrs. J. W. Crouch, 709 Market St., Chattanooga, Tenn.

Roses, C. Soupert, Marie Pavie, C. Rambler, Dorothy Perkins, P. J. Berckmans Co. (Inc.), Augusta, Ga.

Roses, Crimson Rambler, 4 to 7 ft., $10 per 100; No. 2's, $6 per 100. C. M. Niuffer, Springfield, O.

Roses, Dorothy Perkins, strong field plants, $7 per 100. The E. Y. Teas Co., Centerville, Ind.

Roses, field-grown for forcing. W. & T. Smith Co., Geneva, N. Y.

Roses, from 3-in. pots. Wood Bros., Fishkill, N. Y.

Roses, climbing plants. Jacs Smits, Ltd., Naarden, Holland.

SEEDS.

Seeds, beets, cabbage, Cannon Ball and Rocky Ford muskmelon, watermelon, Bermuda and Calif. onion, okra, mustard, French and Calif. grown, radish, tomato, Mexican June corn, Kaffir corn, German millet, dwf. yel. Milo Maize, sugar cane, winter barley, Red Rust Proof oats, cotton seed, Whip. and white black-eyed field peas, Spanish peanuts, Johnson and Bermuda grass. Texas Seed and Floral Co., Dallas, Tex.

Seeds, Asparagus, A. plumosus nanus, Northern greenhouse grown seed, 100 seeds, 60c; 250 seeds, $1.25; 1,000 seeds, $4.50. Southern greenhouse grown, 1,000 seeds, $2.50; 5,000 seeds, $10. A. plumosus robustus, 100 seeds, $1; 1,000 seeds, $9. Decumbens, 100 seeds, 50c; 1,000 seeds, $4. Comorensis, 100 seeds, $1; 1,000 seeds, $7.50. Cash discount 2 per cent. Vaughan's Seed Store, Chicago and New York.

Seeds, palms, Kentia Fors., K. Bel., $1.25 per 1,000. Canterburyana, $3 per 1,000. Moorei, $12 per 1,000. Areca Baueri, $1 per 1,000. Seaforthia elegans, 50c per 1,000. Livistona australis, 50c per 1,000. Bacularia monostachya, $1.50 per 1,000. Gymnostachys anceps, $2 per 1,000. Calamus Muelleri, $1.50 per 1,000. Tree seeds, Castanospermum australe, $5 per 1,000. Araucaria excelsa, $1.25 per 1,000. J. Staer, Wahroonga, N. S. W., Australia.

Seeds, sweet peas, Earliest White, per pkt. (40 seeds), 25c; 5 pkts., 75c net. ½ size pkts., 15c; 2 pkts., 25c; 10 pks., 75c. Burpee's Earliest of All, per oz., 10c; ¼ lb., 30c; per lb., $1. W. Atlee Burpee & Co., Philadelphia.

Seeds, L. C. Nungesser, Griesheim near Darmstadt, Germany, exporter and importer. Specialties: Selected grass and clover seeds, alfalfa of Provence and Turkestan; free from dodder and cuscuta. Crimson clover.

Seeds, Suhr's genuine Danish Cauliuower, Dwarf Erfurter and Danish Giant; Cabbage, Danish, Ball Head. Wholesale only. Write for particulars. S. Suhr, Copenhagen, Denmark.

Seeds, mignonette, New York Market. Sweet peas, pink and white. Tomato, The Don, Stirling Castle. Weeber & Don, 114 Chambers St., New York.

Seeds, specialties, beans, cucumber and tomato, radish, peas, muskmelon, sweet corn and squash. S. M. Isbell & Co., Jackson, Mich.

Seeds, Rocky Mountain Columbine, true, new crop, ¼ oz., 40c; oz., $1.25. Buy now, supply limited. Barteldes Seed Co., Denver, Col.

Seeds, all kinds, specialties, onion, carrot, lettuce, sweet peas. Pacific Seed Growers' Co., 109 Market St., San Francisco.

If you do not find what you need in our Ready Reference Department, write us about it.

Seeds, cabbage and cauliflower. Hjalmar Hartmann & Co., 12 Stormgade, Copenhagen, 31 Barclay St., New York.

Seeds, Asparagus plumosus, per oz., $1; per lb., $14; 5 lbs., $55; 10 lbs., $100. F. G. Taylor Seed Co., Glendale, Cal.

Seeds, all kinds of vegetable and flower seeds. C. C. Morse & Co., 171 Clay St., San Francisco.

Seeds, Asparagus plumosus, $3.50 per 1,000 seeds. J. M. Thorburn & Co., 33 Barclay St., New York.

Seed, Pandanus utilis, $6 per 1,000 seeds. J. M. Thorburn & Co., 33 Barclay St., New York.

Seeds, 5,400 acres of garden seeds in cultivation. Braslan Seed Growers' Co., San Jose, Cal.

Seeds of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Seeds, Snowball cauliflower. R. Wiboltt, Nakskov, Denmark.

Seeds of all kinds. Stokes Seed Store, 219 Market St., Philadelphia.

Seeds. W. Atlee Burpee Co., Philadelphia, Pa.

SMILAX.

Smilax, 2-in., strong, $1 per 100; $9 per 1,000. C. Humfeld, Clay Center, Kan.

Smilax, 3-in., $4 per 100; $35 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Smilax, $2 per 100; $15 per 1,000. R. Vincent, Jr., & Son, White Marsh, Md.

Smilax. Wood Bros., Fishkill, N. Y.

SPIREAS.

Spireas, japonica, strong clumps, $3.50 per 100; Astilboides Floribunda, $4 per 100; Compacta Multiflora, $4 per 100; Gladstone, $6.50 per 100. J. M. Thorburn & Co., 33 Barclay St., New York.

Astilbe, or spirea, Gladstone, $8 per 100; Astilboides floribunda and Japonica, $5 per 100; Compacta, multiflora, $6 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Spirea Van Houttei. W. & T. Smith Co., Geneva, N. Y.

Spireas. Jacs Smits, Ltd., Naarden, Holland.

STEVIAS.

Stevia, fine large plants, 6-in., 20c; 7-in., 25c; 8-in., 30c. Thos. Salveson, Petersburg, Ill.

VERBENAS.

Verbenas, 60 named vars., Rooted cuttings, 75c per 100; $6 per 1,000. Plants, $2.50 per 100; $20 per 1,000. J. L. Dillon, Bloomsburg, Pa.

VINCAS.

Vinca Minor, Hardy periwinkle, good clumps, $1.50 per 100; $10 per 1,000. The E. Y. Teas Co., Centerville, Ind.

Vinca Var., rooted cuttings, $1 per 100; $7.50 per 1,000. Holton & Hunkel Co., Milwaukee, Wis.

Vinca Var., 90c per 100 prepaid. Shippensburg Floral Co., Shippensburg, Pa.

Vinca Var., 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

VIOLETS.

Violets, Gov. Herrick, new single violet, good keeper; rooted cuttings $2 per doz.; $10 per 100; $75 per 1,000; 5,000 or more, $60 per 1,000. H. R. Carlton, Willoughby, O.

Violets. Wood Bros., Fishkill, N. Y.

WISTARIAS.

Wistaria Magnifica, 3-yr., strong, $3 per 100. The E. Y. Teas Co., Centerville, Ind.

WHOLESALE CUT FLOWERS.

Commission Dealers.

Allen, J. K., 106 W. 28th St., New York.

Amling, E. C., 32-36 Randolph St., Chicago.

Berning, H. G., 1402 Pine St., St. Louis.

Cleveland Cut Flower Co., 215 Huron road, Cleveland, O.

Deamud, J. B., Co., 51 Wabash Ave., Chicago.

Eberman, C. W., 53 W. 30th St., New York.

Flower Growers' Market, 60 Wabash Ave., Chicago.

Ford Bros., 48 W. 28th St., New York.

Froment, Horace E., 57 W. 28th St., New York.

Guttman, Alex. J., 43 W. 28th St., N. Y.

Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Henshaw, A. M., 52 W. 28th St., New York.

Horan, Edward C., 55 W. 28th, N. Y.

Hunt, E. H., 76 Wabash Ave., Chicago.

Kennicott Bros. Co., 40-44 Randolph St., Chicago.

Kessler, Phil. F., 55 W. 26th St., N. Y.

Kuehn, C. A., 1122 Pine St., St. Louis.

Langjahr, Alfred H., 55 W. 28th St., New York.

McCullough's Sons Co., J. M., 316 Walnut St., Cincinnati, O.

McKellar, Chas. W., 51 Wabash Ave., Chicago.

McKissick, W. E., 1221 Filbert St., Philadelphia.

Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Murdoch, J. B. & Co., 745 Liberty Ave., Pittsburg, Pa.

N. Y. Cut Flower Ex., Coogan Bldg., 6th Ave. and W. 26th St., New York.

Niessen Co., Leo, 1217 Arch St., Phila.

Pennock-Meehan Co., 1608-18 Ludlow St., Philadelphia.

Pittsburg Cut Flower Co., Ltd., 222 Oliver Ave., Pittsburg, Pa.

Pittsburg Florists' Exchange, 217-223 Diamond St., Pittsburg, Pa.

Pollworth, C. C. Co., Milwaukee, Wis.

Randall, A. L. Co., 19 Randolph St., Chicago.

Raynor, John I., 49 W. 28th St., N. Y.

Rice Bros., 128 N. 6th St., Minneapolis, Minn.

Robinson, Henry M., & Co., 11-15 Province St., Boston.

Seligman, John, 56 W. 26th St., N. Y.

Sheridan, Walter F., 39 W. 28th St., New York.

Traendley & Schenck, 44 W. 28th St., New York.

Vaughan & Sperry, 58-60 Wabash Ave., Chicago.

Welch Bros., 226 Devonshire St., Boston.

Winterson, E. F. Co., 45-49 Wabash Ave., Chicago.

Young, A. L. & Co., 54 W. 28th St., New York.

Young, Thos., 43 W. 28th St., N. Y.

Zech & Mann, 51 Wabash Ave., Chicago.

Growers.

Bassett & Washburn, 76-78 Wabash Ave., Chicago.

Benthey-Coatsworth Co., The, 35 Randolph St., Chicago.

Bruns, H. N., 1409-1411 W. Madison St., Chicago.

Budlong, J. A., 37-39 Randolph St., Chicago.

Chatogue Greenhouses, Mobile, Ala.

Dittman, Wm., New Castle, Ind.

Elliott, W. H., Brighton, Mass.

Hill, The E. G. Co., Richmond, Ind.

Jensen & Dekema, 674 W. Foster Ave., Chicago.

Peacock Dahlia Farms, Atco, N. J.

Poehlmann Bros. Co., 35-37 Randolph St., Chicago.

Reinberg, Peter, 51 Wabash Ave., Chicago.

Sinner Bros., 60 Wabash Ave., Chicago.

Weiland & Risch, 59 Wabash Ave., Chicago.

Wietor Bros., 51 Wabash Ave., Chicago.

Wilcox, J. F., Council Bluffs, Iowa.

Wittbold, Geo. Co., 1657 Buckingham Place, Chicago.

RETAIL CUT FLOWERS.

Atlanta Floral Co., 41 Peachtree St., Atlanta, Ga.

Bertermann Bros. Co., 241 Massachusetts Ave., Indianapolis, Ind.

Blackistone, 14th and H Sts., N. W., Washington, D. C.

Boland, J. B. Co., 47-49 Geary St., San Francisco.

Breitmeyer's Sons, John, cor, Miami and Gratiot Aves., Detroit, Mich.

Cooke, George H., Connecticut Ave. and L St., Washington, D. C.

Daniels & Fisher, Denver, Col.

Donohoe, W. H., 2 W. 29th St., N. Y.

Eyres, H. G., 11 N. Pearl St., Albany, N. Y.

Gude, A. & Bro., 1214 F St., Washington, D. C.

Hansen, Mrs. M. A., Galveston, Tex.

Hauswirth, P. J., Audit. Annex, Chi.

Hess Q Swoboda, 1415 Farnum St., Omaha, Neb.

Holm & Olson, St. Paul, Minn.

Keller, J. B., Sons, 25 Clinton St., Rochester, N. Y.

Kellogg, Geo. M., 906 Grand Ave., Kansas City, Mo.; also Pleasant Hill, Mo.

Lange, A., 40 E. Madison St., Chicago.

Livingston Seed Co., Columbus, O.

Matthews, 16 W. 3rd St., Dayton, O.

Mayberry & Hoover, 1339 14th St., N. W., Washington, D. C.

Miller, Theo., 4832 Delmar Blvd., St. Louis, Mo.

Mills The Florist, 36 W. Forsyth St., Jacksonville, Fla.

Murray, Samuel, Coates House Con., 1017 Broadway, Kansas City, Mo.

Park Floral Co., The, Denver, Col.

Palmer's, Buffalo, N. Y.

Schulz, J., 644 4th Ave., Louisville, Ky.

Virgin, Uriah J., 833 Canal St., New Orleans, La.

Weber, Fred C., 4320-28 Olive St., St. Louis, Mo.

Wilcox, J. F., Council Bluffs, Iowa.

Wilson, Robt. G., Fulton St. and Greene Ave., Brooklyn, N. Y.

BOILERS.

Boilers, improved greenhouse boilers, made of best material; shell firebox sheets and heads of steel; water space all around (front, sides and back). Kroeschell Bros. Co., 45 Erie Street, Chicago.

Boilers, Gurney heaters, heat by steam or hot water. Gurney Heater Mfg .Co., 111 5th Ave., New York; 74 Franklin St., Boston.

Boilers, the Burnham boilers, made for greenhouse heating. Lord & Burnham Co., 1133 Broadway, New York.

Boilers, corrugated, fire box and sectional, greenhouse heating. Hitchings & Co., 1170 Broadway, New York.

Boilers, boilers of high grade for greenhouses. Steam and hot water. Giblin & Co., Utica, N. Y.

Boilers of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Boilers, water tube steam boilers. King Construction Co., N. Tonawanda, N. Y.

Boilers, write for prices. Johnston Heating Co., 1133 Broadway, N. Y.

Boilers, Myers & Co., 1122 Betz Bldg., Philadelphia.

BOXES.

Cut Flower Boxes, water-proof; corner lock style. No charge for printing on orders above 250 boxes. Livingston Seed Co., Columbus, O.

Cut Flower Boxes; send for prices. Edwards Folding Box Co., Philadelphia, Pa.

If you do not find what you need in our Ready Reference Department, write us about it.

BUILDING MATERIAL.

Building material, lumber for greenhouse benches. Ship lap, drop siding, sheathing, flooring, white cedar posts, etc. We are in special position to furnish "Pecky Cypress"; everything in pine and hemlock building lumber. Adam Schillo Lumber Co., cor. Weed and Hawthorne Sts., Chicago.

Building Material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouses and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building Material, cypress sash bars, Tennessee red cedar posts, pecky cypress benches, hotbed sash and frames, ventilating apparatus, pine, fittings and all supplies needed in new or reconstruction work. Foley Mfg. Co., 471 W. 22d St., Chicago.

Building Material, cypress sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 111-125 Blackhawk St., Chicago.

Building Material. Our designs embody best features of greenhouse construction. Best grade gulf cypress used. Red cedar posts, iron fittings, hotbed sash. Lockland Lumber Co., Lockland, Ohio.

Building Material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 617 Sheffield Ave., Chicago.

Building Material for U-Bar greenhouses. Pierson U-Bar Co., Metropolitan Bldg., 4th Ave. and 23d St., N. Y.

Building Material of all descriptions, cold frames, hotbed sash, etc. Lord & Burnham Co., 1133 Broadway, N. Y.

Building Material, cold frames, hotbed sash of every description. Hitchings & Co., 1170 Broadway, New York.

Greenhouse materials of all kinds for greenhouse heating. Johnston Heating Co., 1133 Broadway, New York.

Building Material of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Building Material of all kinds. S. Jacobs & Sons, 1365-79 Flushing Ave., Brooklyn, N. Y.

CONCRETE MACHINES.

Ideal Concrete Machines for concrete block construction. Ideal Concrete Machinery Co., South Bend, Ind.

CUT FOLWER HOLDER.

The Anglais table decoration, made in sections, can be adjusted to any form desired. "Japana" flower holder, 4½-in., 50c; 3½-in., 35c; 2½-in., 25c. M. V. Garnsey, 131 So. Waiola Ave., La Grange, Ill.

FERTILIZERS.

A sample 100-lb. bag of BLATCHFORD'S PLANT GROWER AND LAND RENOVATOR FERTILIZER only $2.75. It is composed solely of pure Rose Growers' Bone Meal, Nitrate of Soda, Peruvian Guano, Sulphate of Ammonia, Sulphate of Potash and Gypsum, in the correct proportions. For benches and potting plants, roses, carnations, lilies, 'mums, etc., it has never been surpassed. Address

THE BARWELL AGRICULTURAL WORKS,
WAUKEGAN, ILL.

Est. at Leicester, England, in 1800.

Wizard Brand pulverized sheep manure. The Pulverized Manure Co., 32 Exchange Ave., Chicago.

GLASS.

Glass importers and jobbers; greenhouse glass a specialty. Window glass. James H. Rice, corner Michigan, St. Clair and Illinois Sts., Chicago.

Glass, plate and window glass, greenhouse glass a specialty. Sprague-Smith Co., 167-169 Randolph St., Chicago.

Glass, a lot of 16x18 A and B double strength at low price. A. Dietsch Co., 617 Sheffield Ave., Chicago.

Glass, window glass. Greenhouse glass a specialty. H. M. Hooker Co., 59 W. Randolph St., Chicago.

Glass, French and American "White Rose" brand. Stenzel Glass Co., 2 Hudson St., New York.

Glass, all sizes. Metropolitan Material Co., 1398 Metropolitan Ave., Brooklyn, N. Y.

Glass, all kinds and sizes. Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.

Glass, special greenhouse. G. F. Reynolds, Durhamville, N. Y.

GLAZING POINTS.

Glazing Points, see the point? Holds glass firmly. Peerless glazing points are the best. No rights or lefts. Box of 1,000 points, 75c, postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

GOLD FISH.

Gold Fish, Comets, Japanese Fantails, Fringetails, Telescopes, etc. Fish globes and aquariums. The J. M. McCullough's Sons Co., 316 Walnut St., Cincinnati, O.

Goldfish aquaria and aquarium supplies. Fred. Kaempfer, 88 State St., Chicago.

GREENHOUSE CONSTRUCTION.

Greenhouse Construction, builders of greenhouses for private estates, institutions, parks, etc. Pierson U-Bar Co., Metropolitan Bldg., 4th Ave. and 23d St., New York.

Greenhouse Construction, sash bar greenhouses. New Truss construction and iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse Construction, builders of every type of greenhouses; the most modern designs. Hitchings & Co., 1170 Broadway, N. Y.

Greenhouse Construction, builders of modern greenhouses. Myers & Co., 1122 Betz Bldg., Philadelphia.

GUTTERS.

Gutters, Jennings, improved iron gutters. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

Gutters, Garland's gutters will keep snow and ice off your glass. A sample of our gutter is on exhibition at Chicago Flower Growers' Market. Geo. M. Garland, Des Plaines, Ill.

Gutters, Lord & Burnham Improved V-shape gutter, with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

Gutters, new duplex gutter, only drip-proof gutter on the market. E. Hippard, Youngstown, O.

IMMORTELLES.

Immortelles, bright scarlet and other colors for Xmas trade. Buy now. Dozen bunches, $2.75; 50 bunches, $11. Barteldes Seed Co., Denver, Col.

INSECTICIDES.

Insecticides, Nicoteen Aphis Punk, 60c per box 12 sheets; $6.50 per case of 12 boxes. Nikoteen Liquid, $1.50 per pint; $13 per case of 10 pints. Nicotine Mfg. Co., St. Louis, Mo.

Insecticides, tobacco paper, 24 sheets, 75c; 144, $3.50, 288, $6.50; 1,728, $35.10. Nico-Fume Liquid, ¼ pint, 50c; pint, $1.50; ½ gal., $5.50; gal., $10.50; 5 gal., $47.25. Kentucky Tobacco Product Co., Louisville, Ky.

Wilson's Plant Oil, for scale and insects, ½ pt., 25c; pt., 40c; qt., 75c; ½ gal., $1.25; gal., $2; 5 gals., $9. Andrew Wilson, Summit, N. J.

Fumigating Supplies, vaporizing pans for tobacco extract, improved. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

Fumigating supplies, tobacco stems, 300 lb. bales, $1.50. W. C. Beckert, 103 Federal St., Allegheny, Pa.

Insecticides, Carman's Antipest insecticide and fungicide, $1.50 per gal. Perfection Chem. Co., Flushing, N. Y.

Insecticide, Nicoticide, Bug Killer, the best bug killer and bloom saver. P. R. Palethorpe Co., Louisville, Ky.

Fine, pure tobacco dust $2 per cwt.; $30 per ton. Wm. C. Smith & Co., St. Louis, Mo.

Fumigating Supplies, tobacco powder and stems. The H. A. Stoothoff Co., 116 West St., New York.

LAWN MOWERS.

Lawn Mower. The Clipper lawn mower, No. 1, 12-in., $5; No. 2, 15-in., $6; No. 3, 18-in., $7; No. 4, 2-in., $8. Draft, money order or reg. letter. Clipper Lawn Mower Co., Dixon, Ill.

METAL DESIGNS.

Metal signs, send for prices. A. Herrmann, 404-12 E. 34th St., New York.

MISCELLANEOUS.

Florists' overdue accounts and bad debts collected by the National Florists' Board of Trade, 56 Pine St., N. Y.

Engravings, best engravings and illustrations of every description for catalogues. Send for estimates. Globe Eng. & Elec. Co., 427 Dearborn St., Chicago.

Smith's Revised Chrysanthemum Manual, cloth binding, 100 pages, 40c postpaid. Nathan Smith & Son, Adrian, Mich.

Printing, large runs of catalogues a specialty. Write for figures. Regan Printing House, 89-91 Plymouth Place, Chicago.

PAINT, PUTTY, ETC.

Paint, Ideal Greenhouse Lead; Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, N. Y.

Paint, Putty, etc. H. M. Hooker Co., 59 W. Randolph St., Chicago.

Paint, Putty, etc. The Jas. H. Rice Co., 80-82 Wabash Ave., Chicago.

PIPE, FITTINGS, ETC.

Pipe, iron fittings, etc., galvanized iron sash hinges, screw eyes, screw hooks, U bolts, galvanized iron buckles and wires. Fittings for purlin and ridge supports. Foley Mfg. Co., 471 W. 22d St., Chicago.

Iron Fittings, patent iron bench fittings and roof supporters. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

Pipes, valves, fittings of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

A Bargain, 4-in. cast iron pipes, 5 foot lengths at 12c per foot. C. C. Pollworth Co., Milwaukee.

Iron Fittings, etc.; send for prices. Lockland Lumber Co., Lockland, O.

POTS, PANS, ETC.

Pots, standard flower, 1½-in., $2.77 per 1,000; 2-in., $3.33; 2½-in., $3.88; 3-in., $5.27; 3½-in., $6.10; 4-in., $7.77; 4½-in., $10; 5-in., $13.60; 6-in., $22.20; 7-in., $4 per 100; 8-in., $6; 9-in., $8.88; 10-in., $13.33; 12-in., $22.22; 14-in., $38.88; 16-in., $66.66; 20-in., $1.25 each. Azalea pots and bulb pans same price. 2x2½-in rose pots, $3.50 per 1,000. A. F. Kohr, 1521 N. Leavitt St., Chicago.

Pots, standard, seed pans, cut flower cylinders, hanging baskets, lawn vases, etc. Hilfinger Bros. Pottery, Ft. Edward, N. Y.

Pots, standard flower pots. The Whildin Pottery Co., Philadelphia, Pa.; Jersey City, N. J.; Long Island City, N. Y.

Pots, before buying write for prices. Geo. Keller & Son, 361-63 Herndon St., near Wrightwood Ave., Chicago.

Pots, red standards, full size and wide bottoms. Detroit Flower Pot Mfy., 490 Howard St., Detroit, Mich.

Pots, red standard, azalea pots. The Keller Pottery Co., 213-223 Pearl St., Norristown, Pa.

Pots, red standard. Paducah Pottery Co., Paducah, Ky.

Pots, all sizes. Ionia Pottery Co., Ionia, Mich.

If you do not find what you need in our Ready Reference Department, write us about it.

Pots, pots of all kinds. A. H. Hews & Co., No. Cambridge, Mass.; Long Island City, N. Y.

Pot hangers, Kramer's $1 doz. by exp., $1.25 by mail. I. N. Kramer & Son, Cedar Rapids, Ia.

Pots, Syracuse, red. Syracuse Pottery Co., Syracuse, N. Y.

PUMPING ENGINES.

Pumping Engines, two streams of water for 1 hour cost 2 cents if you use a Standard pumping engine. The Standard Pump & Engine Co., Cleveland, O.

RAFFIA.

Raffia, samples free if you mention the American Florist. Large assortment of colors. R. H. Comey Co., Camden, N. J., 810-24 Washburn Ave., Chicago.

SEED CASES.

Seed cases, Heller's mice proof. W. C. Heller & Co., Montpelier, O.

STEAM TRAPS.

Steam Traps, the Standard return steam trap has no equal for its simplicity of working. E. Hippard, Youngstown, O.

SUPPLIES.

Supplies, milkweeds, wire designs, cut wire, all kinds of letters, immortelles, cycas leaves, sheaves of wheat, ribbons, corrugated boxes of all kinds. Henry M. Robinson & Co., 8-11 Province St., Boston, Mass.

Supplies, terra cotta grass growing heads and animals, fish globes, fish tanks, aquaria, Bohemian glassware, imported china, French glass shades, all shapes. Nicolas Wapler, 50 Barclay St., New York.

Red Bells, bright color tissue paper, 6-in., best seller, 60c per doz.; gross, $5. Other sizes in proportion. We have the goods. Write us. Barteldes Seed Co., Denver, Col.

Supplies, cape flowers, cycas leaves, metal designs and all florists' supplies. A. Herrmann, 404-12 E. 34th St., New York.

Supplies, importers and manufacturers of florists' supplies. L. Baumann & Co., 78 Wabash Ave., Chicago.

Supplies, importers and manufacturers of florists' supplies. Reed and Keller, 122 W. 25th St., New York.

Supplies, wire designs, etc. The Cleveland Cut Flower Co., 215 Huron road, Cleveland, O.

Supplies, wire designs. Pittsburg Florists' Ex., 228 Diamond St., Pittsburg, Pa.

Supplies and novelties of all kinds. J. Stern & Co., 125 N. 10th St., Philadelphia.

Supplies, ribbons and violet ties. Wm. B. Lake, 2535 N. 34th St., Philadelphia.

Supplies, flower baskets, novelties. Riessner Bros., Lichtenfels, Bavaria.

Supplies of all kinds. E. F. Winterson Co., 45 Wabash Ave., Chicago.

TOOTHPICKS.

Toothpicks, wired, $1.50 per 10,000; $6.25 per 50,000. W. J. Cowee, Mfr., Berlin, N. Y.

VENTILATING APPARATUS.

Ventilators, the Standard ventilating machinery; original machine with self oiling cups, most powerful, least complicated, very compact. E. Hippard, Youngstown, O.

Ventilators, The Advance Ventilating Apparatus. Write for estimates and circulars. The Advance Co., Richmond, Ind.

Ventilators, Evans' Improved Challenge ventilating apparatus. Quaker City Machine Works, Richmond, Ind.

Ventilating Apparatus. Send for circulars. Diller, Caskey & Co., cor. 6th and Berk Sts., Philadelphia.

Ventilating apparatus for every type of greenhouses. Lord & Burnham Co., 1133 Broadway, New York.

Ventilators, hand ventilating, etc. The King Construction Co., N. Tonawanda, N. Y.

Ventilators, ventilating apparatus of all kinds. Hitchings & Co., 1170 Broadway, New York.

Ventilators, New Departure ventilating appliance. J. D. Carmody, Evansville, Ind.

WIRE SUPPORTS.

Wire supports, model extension carnation supports, galvanized wire rose stakes, tying wires, single and double pot hangers. Igoe Bros., 63 Metropolitan Ave., Brooklyn, N. Y.

BOOKS FOR FLORISTS.

The time is coming along when these are needed and opportunity at hand for reading them. Every one of the following should be in your library.

Send prices quoted and we send the books.

GREENHOUSE CONSTRUCTION (Taft).—It tells the whole story about how to build and heat a greenhouse, be it large or small, and that, too, in a plain, easily understood, practical way. It has 118 illustrations. $1.50.

FUMIGATION METHODS (Johnson).—A practical treatise on cheap and effective means of destroying insect pests. Handsomely bound and profusely illustrated. 250 pages. $1.00.

CHRYSANTHEMUM MANUAL (Smith).—By an expert who has given his undivided attention for twenty years to the improvement of the chrysanthemum and its culture in detail. Profusely illustrated. 40 cents.

STEAM HEATING FOR BUILDERS (Baldwin).—Contains valuable data and hints for steam fitters and those who employ this method of heating. The 350 pages are fully illustrated. $2.50.

MANUAL OF THE TREES OF NORTH AMERICA (Sargent).—The most complete and authentic work on the subject. The pages number 826, with over 600 illustrations. $6.00.

THE AMERICAN CARNATION (C. W. Ward).—A complete treatment of all the most modern methods of cultivating this most important flower. Illustrated. $3.50.

AMERICAN FLORIST COMPANY,
324 Dearborn Street, CHICAGO

A HOLLY WREATH

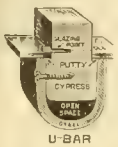
FOR HOLIDAY CIRCULARS AND ADVERTISING : : : :

Plates for printing this fine Holly Wreath in two colors—green leaves and red berries and ribbon—$5.00 per set of two plates.
Smaller size, 2x2½ inches, $3.00 per set of two plates.
Plate of above sizes for one color, $2.70. The smaller size, one color, $1.50.

Cash with order.

American Florist Company,
324 Dearborn Street, CHICAGO.

If you do not find what you need in our Ready Reference Department, write us about it.



The steel covering of the wooden bars in the U-Bar houses, eliminates interior wood work, with its tendency to decay—the galvanizing of all steel members prevents rusting. U-Bar Greenhouses are the best greenhouses built because none are as thoroughly protected against decay and rust—consequently, none so enduring. **Pierson U-Bar Company, Designers and Builders, U-Bar Greenhouses,** Metropolitan Building, 4th avenue and 23rd street, New York.

GREENHOUSE LUMBER.

FIRST QUALITY. **STRICTLY CLEAR.**

LOUISIANA GULF CYPRESS.

For **GREENHOUSE** purposes nothing surpasses our material either in durability, or in excellence of workmanship.

PRICES REASONABLE.

QUICK SERVICE IS ASSURED IN FILLING ALL ORDERS.

Hotbed Sash, Cedar Posts, Iron Fittings, Bench Material.

LOCKLAND LUMBER CO.
LOCKLAND, O.

Please mention the American Florist when writing.

GARLAND'S GUTTERS
WILL KEEP SNOW AND ICE OFF YOUR GLASS.
DES PLAINES, ILL.
SEND FOR CATALOGUE.

A Section of our Gutter is on Exhibition at the Chicago Flower Growers' Market.

GLASS

GOOD BRANDS.
QUICK SHIPMENTS.
LARGE STOCK.

Warehouse on railroad switch. **Be Sure and Get Our Prices.**

SHARP, PARTRIDGE & CO.,
22nd and Lumber Sts., CHICAGO.

Please mention the American Florist when writing.

WINANDY BROS.

Greenhouse Builders,

3730 N. Lincoln Street, Rogers Park Station, **CHICAGO.**

Write for our estimates.

N. TONAWANDA, N. Y. TORONTO, ONT.

KING CONSTRUCTION CO.
GREENHOUSE CONSTRUCTION AND EQUIPMENT
WRITE FOR CATALOGUE AND PRICES

GET OUR PRICES ON
Galvanized Wire Rose Stakes and Tying Wire.

IGOE BROTHERS,

Manufacturers of the **Model Plant Supports** for Carnations, Dahlias, Golden Glow, Chrysanthemums and Tomatoes.

63-71 Metropolitan Ave., BROOKLYN, N. Y.

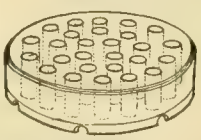
A. HERRMANN,

Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florists' Supplies.

SEND FOR PRICES.

404-412 East 34th St., NEW YORK.

THE JAPANA CUT FLOWER HOLDER



A handy article for all florists. **Saves Time and Flowers.**

Made of glass, in three sizes: 4½, 3½ and 2-inch. Catalogues, description, etc., on application.

M. V. GARNSEY, 131 S. Waiola Ave., **La Grange, Ill.**

The Regan Printing House

LARGE RUNS OF

CATALOGUES —OUR— **SPECIALTY**

WRITE FOR FIGURES.

83-91 Plymouth Place, CHICAGO.

EVANS' IMPROVED CHALLENGE VENTILATING APPARATUS

WRITE FOR ILLUSTRATED CATALOGUE

QUAKER CITY MACHINE WORKS.
RICHMOND, IND.

THE TEST —OF— CONSTRUCTION.

Of what use is first-class workmanship and the best material if the construction of your house is antiquated and out-of-date? There is as much in the style of house as in the material of which it is built, and too much stress cannot be laid on the "right kind of construction."

There is a special house for each special condition and the ordinary planing mill knows nothing of construction details. The first step towards "right construction" is to get our catalogue and estimate. Write now and start right—erect houses that will enable you to compete with the other fellow.

Next Week: **"The Test of Durability."**

JOHN C. MONINGER CO.

113 E. Blackhawk St.,
CHICAGO.

Please mention the American Florist when writing.

THE AMERICAN FLORIST

America is the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXVII. **CHICAGO AND NEW YORK, DECEMBER 1, 1906.** **No. 965**

THE AMERICAN FLORIST

TWENTY-SECOND YEAR.

Copyright 1906, by American Florist Company. Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

324 Dearborn St., Chicago.

Eastern Office: 1133 Broadway, New York.

Subscription, $1.00 a year. To Europe, $2.00. Subscriptions accepted only from the trade.

Volumes half yearly from August 1901.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—WM. F. KASTING, Buffalo, N. Y., president; H. M. ALTICK, Dayton, O., vice-president; W. J STEWART, 11 Hamilton Place, Boston, Mass., secretary; H. M. BEATTY, Pittsburg, Pa., treasurer. Twenty-third annual meeting at Philadelphia, Pa., August, 1907

OFFICERS-ELECT—WM. J. STEWART, Boston, Mass., president; JOHN WESTCOTT, Philadelphia, Pa., vice president; P. J. HAUSWIRTH, Auditorium Annex, Chicago, secretary; H. B. BEATTY, Pittsburg, Pa., treasurer.

INTERNATIONAL EXHIBITION—A grand international exhibition will be held with the annual convention at Chicago, November, 1908.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual convention and exhibition at Chicago, November 6-12, 1906. WM. DUCKHAM, Madison, N. J., president: DAVID FRASER, Penn and Homewood Ave., Pittsburg, Pa., secretary.

AMERICAN ROSE SOCIETY.

Annual meeting and exhibition at Washington, D. C., March 13-15, 1907. ROBT. SIMPSON, Clifton, N. J., president; BENJAMIN HAMMOND, Fishkill-on-Hudson, N. Y., secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention and exhibition at Toronto, Canada, January, 1907. JOHN H. DUNLOP, Toronto, Canada, president; ALBERT M. HERR, Lancaster, Pa., secretary.

THE AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

Annual convention at Toronto, Ont., 1907. BYRON D. WORTHEN, Manchester, N. H., president; F. L. MULFORD, Harrisburg, Pa., secretary.

AMERICAN PEONY SOCIETY.

Third annual meeting and exhibition at Ithaca, N. Y., 1907. C. W. WARD, Queens, N. Y., president; A. H. FEWKES, Newton Highlands, Mass., secretary.

Contents, page 892.

Advertising Rates, 892.

Index to Advertisers, 920.

Ready Reference Advts., 921.

SUGGESTIONS FOR FLORISTS.

Preparation For Christmas.

There is every indication for all to do the heaviest Christmas business we've ever done, and as it is necessary to display some of your stock, such as foliage and flowering plants properly dressed up, fully two weeks before, it is high time to look over your stock of supplies as well as baskets, dishes, pot covers, ribbon, crepe paper, etc. A good way is to look over the catalogues issued by some of the supply and wholesale houses, especially if you live 25 to 100 miles from large cities, and may not just now find time to see this year's novelties. And the only way to keep up with your competitor is to show something new to your customer. Have something better and more artistic than usual to offer, and while it sometimes looks almost overdone, the way crepe paper and ribbon are used in florists' shops, yet it is wonderful how they have increased the sale of plants for Christmas and Easter.

Have a good stock of palms, such as kentias, latanias, arecas, and others which are by the retailer sometimes classed palms, such as araucarias, Pandanus Veitchii, Dracæna fragrans and D. terminalis. Don't forget a good stock of Boston ferns and the newer varieties of nephrolepis; good specimens of Piersoni, Scottii and Whitmani are now offered at reasonable prices. You want a good supply of table ferns, 2½ and 3-inch stock; any of the above not disposed of by Christmas will be good saleable stock much later. The Christmas pepper, Jerusalem cherry and ardisia are always in demand on account of their red berries. Cyclamens, primulas, begonias, especially Gloire de Lorraine, poinsettias in pans, azaleas, Roman hyacinths, and lily of the valley in pots or dishes, represent the main varieties of blooming plants and are to many of us more profitable to handle than cut flowers.

I will next week say a few words on holly and other greens, their handling and uses.

Floral Display.

A learned Scotch divine, who was but an indifferent golfer though an astute scholar, after some particularly bad play was somewhat contemptuously addressed by his caddie. "Weel ye ken it tak's a mon wi' a heid to play the gowf."

And so it is in floral decorations. When thinking out a scheme of decoration, whether large or small, the decorator should keep in mind not only the general effect he wishes to make, but also the class of flowers he is going to use. It is surprising in what a number of cases the foliage belonging to a certain flower goes best with that flower in any kind of decoration. For instance, where large vases of tritoma are used, some of the foliage of the plant, standing up among the flowers, gives the arrangement a distinctive appearance that could not be got by using large fern or other evergreens. It is not necessary in every case to use the leaves of the precise plant from which the flowers are cut. In the case of the tritoma the foliage of the common water rushes might be used. The point is to know your flowers and in every case where possible to give them a natural pose among foliage suited to them. Everyone has noticed how beautiful the lily of the valley is among its own leaves, but the effect of the blooms is not nearly as good when fern or asparagus leaves are used. The violet is another well known instance, and though it would be often difficult to say why, yet the eye is always attracted by, and the sense of beauty satisfied with, natural arrangements. This is one of the reasons why the old-fashioned style of bouquets with dozens of different kinds of flowers has had to give way to the more natural method now in vogue of keeping each kind of flower by itself.

One important exception to this rule occurs in the orchid. In a few cases there are leaves that may be used with the flowers that occur on the same plant, but the reverse is usually the case, and even if the leaves were suitable they would not usually be forthcoming, as it would injure the

plants to remove them. Florists of scant experience with orchids seem to be singularly at sea with them from a decorative point of view. The chief beauty, or at any rate the distinctive beauty of orchids lies in their quaint outline and the unusual set of the various parts of the flower. Now to bunch these together, as is so frequently done, is to destroy their distinctive character. Although not advocating the use of wires where they can be done without, it would be far better in this case, where long stems cannot always be had, to use wires and so keep each flower apart from its neighbor. The somewhat heavy fronds of Adiantum Farleyense are suitable as a green for orchids, their soft tint showing up the gradations of color possessed in a quite unique degree by these beautiful flowers.

This then is what the floral artist should study; not only color schemes which are of course of great importance, but the provision of a suitable setting in every case for the flowers he uses, and the best means to display them to the greatest advantage.

The Windows of Fashionable Florists.

"For me," said the veteran, "there's no social calendar at once so interesting to watch and so accurate as the windows of the fashionable florists. All summer long, although the most beautiful flowers of the field are in bloom, they have been set out with simple arrangements of potted plants and the most unobtrusive of the flowers of the day. With every one out of town and nothing going on the floral mirror reflects the dullness of the season. But watch the windows now. Day by day the kaleidoscope behind the plate glass panes becomes more and more brilliant as the season becomes again enlivened with the people streaming back to town. And in a little while, when opera and horse show swing the season into full career, they will be arranged in a glory of crimson roses, delicate orchids and golden chrysanthemums. But with the first day of Lent they cowl their splendors like the season's beauty going into retreat. The violet is the most extravagant flower they display. But with Easter comes again the full radiance. And so to the death of the season and the putting on of half mourning by the floral heralds. It's as good as a play, and much more beautiful."—New York Sun.

To Prevent Frosting of Windows.

The following recipe for preventing the frosting of shop windows may be given in good time, so as to be at hand when needed: Paint them with a solution of glycerine in 63 per cent spirits of wine. Glycerine, like chloride of lime, has the property of absorbing water, and this action serves to entirely overcome the difficulty.

DETROIT, MICH.—John Breitmeyer's Sons have held a fine exhibition in their Broadway store. Chrysanthemums in all leading varieties, American Beauty and Bon Silene roses and gardenias were among the most popular of the flowers. The show was open for the week ending November 17.

CHRYSANTHEMUMS

Cut Blooms for Various Purposes.

PART I.

As the bulk of cut chrysanthemums are produced by large growers who consign their crop to the commission dealer and he in turn distributes them through many channels, it appears to us this is the most important branch of chrysanthemum culture and should have first consideration.

What constitutes a commercial variety has been fully discussed many times and we believe all agree that color is the most important characteristic. The white varieties are planted in greater quantity and the yellow and pink are next in importance, with a comparatively limited demand for bronze and red. The purer the white, the brighter the yellow, and the clearer the pink, the better.

Cut Blooms for Various Purposes.

Chrysanthemum Mrs. F. F. Thompson on left, Pres. Roosevelt on right.

In addition to color there are other qualifications which have a marked influence upon the quality of the product, and quality being the vital factor in regulating the financial returns, it is important that we give them due consideration.

At this point let us reffect on such characteristics as size, form and substance. In a few of the large cities there is a strong demand for the monster blooms but as this covers a small portion of the territory to be supplied, it is safe to conclude those of medium size meet general favor. To be more precise, our version of monster blooms are those seven inches and over in diameter with a proportional depth, and medium ones from four and one-half to six inches. Each grower must decide for himself what size is best suited for his purpose, taking into consideration that two or three blooms of medium size can be produced per plant whereas we must be content with one if the largest size is desired.

The form of a flower may be viewed from many sides and from the buyer's standpoint it is a matter of taste only, but as we are now considering those which must be marketed through a certain channel, we favor a form that will ship well and be acceptable to the public. Those which are more or less incurved seem to meet the requirements. It is not necessary that they be as formal as Major Bonnaffon. In fact, the loosely incurved varieties are more appreciated by persons of taste, at least our experience leads us to this conclusion.

Substance, which refers to the texture of petals, determines their durability, both to endure the adverse conditions to which they are subjected in the various forms of decorative work and to withstand the rough usage incident in packing and rehandling.

Having mentioned the desirable qualifications of the flower, let us now consider the character of the plant. The vigorous varieties are usually considered of easy culture. Those having strong rigid trunks or plant stems are considered best. With the present popularity of long stemmed flowers, foliage necessarily becomes a factor of quality and should have due consideration. It is not important that the leaves be large; on the contrary those of medium size are preferred but they should be set rather closely on the stem to be most effective.

Hence we prefer varieties making short jointed stems. The flower stem, or that portion of the stem between the flower and the uppermost leaf, varies greatly; some are short and pliant, others long and rigid, or vice versa. Those having short firm stems are typical of American origin and best suited for commercial culture. While it is not our desire to decry foreign novelties, as they are very useful in their sphere—the exhibition table, especially the short stemmed collections—we would advise those growing for the wholesale market to either shun them entirely or make their selection with discretion.

Most of those originating abroad are bred for size, and in reserving the best seedling size comes foremost in the consideration of quality. Under these conditions the importations include many off colors such as bronze, amaranth, and magenta. Stem and foliage, so important to the grower, are given very little consideration. The accompanying illustration shows the marked difference between American and European progeny. The bloom at the left is Mrs. F. F. Thompson, the other Pres. Roosevelt. The stem of the first mentioned gives a space of 22 inches from the highest leaf to the top of the bloom, rigid enough to hold the flower in an upright position but devoid of foliage. Had a later bud been taken the result would have been a weak stem and the flower undersized.

To secure perfect flowers of the foreign varieties it is imperative that early buds be selected. Through the middle and western states it is not advisable to select buds of midseason sorts before August 20, owing to the hot, dry weather which generally continues for several weeks and usually results in a malformed, off-colored and undersized flower. There are localities where earlier buds can be taken with safety.

Few fully understand the influence climatic conditions have upon our results. This season was entirely different from that of 1905, being very warm throughout August and September, consequently Ivory, which is generally ready

by October 20, was not cut until 10 days later and many of the late ones are earlier than common.

The other subjects of our illustration shows (opposite the bottom leaf) where the early bud was removed and the new break made 20 inches of growth at maturity. This flower is from a later bud than the other variety, yet had we taken a crown, August 20, we would not have been confronted with a long, bare stem.

The hybridist has made improvements in the various types, but as each hybridizer has his own mind as to the ideal flower, it is not strange that the best efforts of the world when collected and grown together do not meet our expectations. There is occasionally an importation which shows commercial qualities, etc., but the percentage is very small, not exceeding two.

The chrysanthemum might be likened to some of our animals whose traits are just as distinct. The draft horse would not be of more service on the race track than a poodle in a fox drive.

The fine specimens, particularly those staged with short stems, are truly beautiful and show wonderful skill but this does not signify that they are adapted to commercial use, nor does it give assurance that the purchaser of such sorts can do them as well.

These facts confront us annually and to illustrate this point we may mention Glenview, which was shown in magnificent style at Philadelphia last year and made a lasting impression upon the writer, but was not shown in as fine form in the several collections at Chicago. Whether this deficiency is due to climatic conditions or the man behind the bloom we are unable to say, but it is certainly a fine bronze when well done and worthy of further trial.

ELMER D. SMITH.

PALMS AND FERNS.

Seasonable Notes.

The season of rest to many plants is at hand, and consequently some discretion should be exercised in regard to repotting, keeping in mind the fact that root action in the case of many of the palms is quite slow for the next three to four months.

Of the common everyday species, the kentias are somewhat of an exception to this rule of a winter rest, for these palms will continue to grow during the greater part of the winter, taking their rest period in the spring and early summer instead.

Latanias make very little headway when their roots are disturbed after November 1, and it is preferable not to repot these plants after Oct. 1st, unless it may be some small stock that is very much root-bound, and likely to lose color badly before spring.

Large arecas are another example among those that do not improve by any disturbance of their roots very late in the season, and I would rather trust to an occasional watering of liquid manure in order to keep the foliage in color than to repot them during the winter months.

Speaking in a general way, it may be said that young palms, in common with many other plants, do not have their habits of growth so firmly fixed as is found in more mature specimens, and consequently these juvenile plants may be continued in a growing condition almost throughout the first two years of their life, provided their treatment includes such genial surroundings as may be found in a well kept greenhouse.

The conditions required in such a case are a reasonably light soil, plenty of moisture, a night temperature of about 65°, and at this season full light will be an advantage in promoting a sturdy growth.

While there has not yet materialized that great shortage or cornering of the kentia seed supply that some growers and dealers feared a few months ago, yet there does seem to be quite a variation in the quality of the seeds received from various sources, some of the earlier consignments proving to be of excellent quality, those sown in May giving a high percentage of germination, while others that were planted in August seem to be nearly or quite a failure.

Such a result would seem to indicate that the packing of the seed was at fault, and that fermentation or heating had produced this condition during the long steamer voyage.

It is quite possible that some seeds are not fully matured at the time they are gathered, and while it is not absolutely essential that seeds be ripe in order to germinate, yet it is safer in most cases to depend upon properly ripened palm seeds than upon those whose growth has not been completed.

Items of news appear from time to time in such a form as to contribute to the gayety of the profession, and among those of a recent date is the statement that Areca sapida, now known botanically as Rhopalostylis sapida, is a new palm. It is several decades since this palm was introduced to cultivation, and it has been grown by the American trade for the past 30 years at least, and probably longer.

This is, however, no reflection on the species in question, for Areca sapida is a sturdy growing palm of attractive appearance, and before kentias became so common and popular for decorative work this areca was frequently in demand, and gave a fairly good account of itself as a florists' palm. But of late years Areca sapida, Areca rubra, Seaforthia elegans, Oreodoxa regia, Chamærops excelsa, Corypha australis, and Ptychosperma Alexandræ, in company with several other species of palms seem to have joined the floral havebeens, and one would find some difficulty in filling an order for a dozen each of several of the species mentioned.

This does not indicate that these palms were all devoid of merit, but simply that there were others that fitted the trade better, though nicely grown plants of some of those mentioned could doubtless be sold today for the sake of variety, for everybody does not want just the same sort of a palm each succeeding year, any more than they want to wear the same suit of clothes indefinitely.

That palm known as Kentia Canterburyana was grown somewhat more freely in former years, but is now comparatively scarce. This last is probably as hardy a species as K. Belmoreana, and fully as graceful, the closely pinnated leaves having an arching habit, and forming an elegant and compact plant of fine color. Seeds of K. Canterburyana are offered most seasons by the importers, but at a considerably higher price than the ordinary kentias, and in addition to this, the plant is slower in its development than K. Belmoreana, and consequently is less profitable, except it be among an exclusive trade where price is of less moment than quality.

This palm is also native to Lord Howe's Island, though not found there in the same abundance as K. Belmoreana and K. Forsteriana, and the seeds being larger than those of the latter naturally cost slightly more for packing and freight.

The midwinter crop of small ferns for filling fern dishes, would have been better potted earlier than the date of this article in order to give them the advantages of growth before the shortest days, but in case the press of fall work

NEPHROLEPIS WHITMANI.

Exhibited by Henry H. Barrows & Son, Whitman, Mass., at the Chicago show.

has prevented the potting of these ferns before this, there should now be no further delay.

Many of the ferns that are thus used are grown in 2¼ to 2½-inch pots, but there is also an extensive demand for plants in 3-inch pots, and all of these need to have a little space between the pots if the lower leaves are to be kept in good condition.

The wholesale prices realized for these small ferns are not high, and few growers find a bonanza in this line of trade, but if the stock is grown right, it may find a market when those of poorer grade cannot be given away.

To produce stocky and bushy little ferns, such as are wanted in most markets, they must be given plenty of light and air, and never permitted to suffer for want of water, a night temperature of 55°. to 60° being most suitable for those in common use in the trade.

Another detail of treatment that is worth remembering is, that ferns should never stand upon a bare bench in the greenhouse, for these plants prefer that their roots shall have the protection of a good coat of ashes or sand on the bench to keep the dry heat of strong firing away from them. This protection on the bench also renders needless such frequent waterings overhead as are otherwise made necessary by the fire heat, even in dull weather.

Those growing Adiantum Farleyense in quantity, and there are now a considerable number of successful growers of this lovely fern, find it necessary to pay special attention to the watering and airing at this season of the year, for this fern does not enjoy much moisture on its foliage at any time, though requiring a moist atmosphere.

Well rooted plants of A. Farleyense will take plenty of water, but those that have not long been potted should be looked over carefully to avoid overwatering, and in ventilating, this fern should never be exposed to strong draughts.

W. H. TAPLIN.

Paris.

THE CHRYSANTHEMUM SHOW.

The annual chrysanthemum exposition of the National Horticultural Society, which by the way includes all kinds of flowers, fruits, vegetables, trees and shrubs, opened on November 3 and was as usual a great success, notwithstanding the disagreeable, wet weather. As customary, it was held in the great glass structures erected for the 1900 world's fair which are situated on the Cours-la-Reine along the Seine river.

Vilmorin has the largest, non-competitive collection of chrysanthemums, standards and pyramids, all of perfect, symmetrical form.

Among the best examples may be mentioned: Tokio, always very telling, Mrs. W. Bowen, E. J. Brooks, Aigle d'or, Voraz, Rose Poitevine, Delizy, Niveus, Charles Schwarz, Mrs. R. Oberthier, Wm. Tricker, Chauchard, Ville de Phenicie, M. Gustave Henry, Godfrey's King, Mrs. Martinotto, Ami Nonin, M. Chenon de Leché, Sœur de Charité, very fine white, Reviere, Henry Weeks, Mrs. Edmond Roger, Col. W. B. Smith, Senateur Viger, Hortus Tolosanus, Mirzam, Calvat 1899, W. Duckham, Miss Alice Byron, R. H. Pearson, Nippon, Merak and Henry Neveu.

Vilmorin's novelties included: Eole, long, narrow, white florets, very fine; Brise, pink; Boree, Gerbe d'or, Risee, Simoun and Zephir, all of which received an award of merit. Mossaka, a large flowering variety, more easily grown than Lilian B. Bird, Niger, Conakry, Tomboucton, Calvat's Revitzan and Pechou, Mommeja, Geisha, Ourazan, Sirocco and Mousson were also shown.

The Marquis de Pins, Montbrun, secured the prize of honor for his novelties not yet introduced to the trade, exhibiting in cut blooms: Bacque 1906, salmon yellow; Marechal de Bassompierre, curious red with lighter shaded incurved points; Mme. de Cassagnac, pinkish white; Ophelie, white; Pimpanello, purplish; Miss de Rumain, pink with white center; Diane, salmon yellow; Germaine Charmeux, cream colored; La Neste, purplish; Quo Vadis, yellow; Le Capitole, Danæ, La Dame Blanche, La Tonkinoise, Mme. Bougere, Vallee d' Aure, Mlle. Gache, and Countess Alice de Lancey.

Calvat was awarded a gold medal for remarkably fine cut blooms of his novelties including: Exelda, white; La Marseillaise, white; Santos-Dumont, canary yellow; Madame Curie, purplish; President Dubost, copper red; S. A. Naceur-Bey, bright yellow; President Fallieres, white; Touring Club, yellow; Le Lutin, pink; and Princess Ena, white; most of which received awards of merit.

Nonin, Chantrier, Cordonnier, Levegue, Ragueneau, Mazne, Decault, Montigny, Durand and others had conspicuous non-competitive displays, many of their flowers being of sufficient merit to receive certificates. Nonin alone had 17 varieties and Chantrier 12 varieties certificiated. A lot of M. E. Andre, salmon color, attracted much attention, as also some standard plants bearing different colors on the same plants, exhibited by Cavron, who obtained the medal of honor for well grown plants.

Maron was awarded the medal of honor, and Marcoz and Beranek, gold medals; for splendid collections of orchids. Regnier won a silver gilt medal for the same class of plants.

Levegue won several first prizes with his displays of carnations. Noteworthy sorts were Reine Isabelle, pink, measuring quite 3 inches across; Enchantress, creamy white; Fair Maid, ivory white; White Lawson and Monte Carlo, variegated, pink and red.

Vallerand won the medal of honor and Billard the large gold medal for excellent tuberous rooted begonias. Boucher won a gold medal for Clematis and Simon one for cacti. A lot of Gerbera Jamesoni grown in the South of France was admired by plant lovers. Rivoire won a gold medal for an effective show of cut blooms of Dahlias and Leveque a silver medal for a fine bed of Baby Rambler roses.

Nomblot-Bruneau secured the great prize of honor for his fruits and trained fruit trees, and the first prize for vegetables went to the Osilum of Vaucluse. Vilmorin's inimitable collection was not entered for competition.

The gold medal for the finest bouquet or best floral arrangement with chrysanthemums went to Maissa, a Paris florist. This arrangement, which was most pleasing and artistic, consisted of an ordinary wooden wheelbarrow, filled with big yellow chrysanthemums intermixed with autumn tinted leaves, a light yellow ribbon around the barrow completing the work. The whole was a simple but perfect combination of colors. Maissa also staged a little schooner, full of cattleyas dressed with Asparagus plumosus nanus, the masts and cordages being made of Parma violets. The background of Maissa's stand consisted of a large square mirror about 9 feet high, framed in red velvet, the same colored frame dividing the mirror lengthwise into two parts. From the top of the left part were falling very effectively long panicles of the yellow Oncidium varicosum Rogersi, while from the right were hanging graceful racemes of Vanda cœrulea, both appropriately associated with long trailing shoots of Asparagus plumosus nanus. This oncidium with its long graceful panicles of a natural arching habit and the beautiful Vanda cœrulea seem to play a big part in floral decoration with the swell Parisian florists.

Lachaume, one of our best florists, whose arrangement was not entered for competition, also showed an immense mirror, the frame of which was formed of yellow and copper-colored chrysanthemums, and various leaved crotons, intermixed with black grapes and autumn foliage, the whole being finished off with long sprays of Asparagus plumosus nanus loosely hanging over the mirror. A fine vase of orchids was placed before the latter and the floor space decorated with fine plants and ferns. All was well disposed and showed the good taste which Lachaume always displays in his arrangements.

Debrie's gold medal exhibit consisted of different floral works in which oncidiums and vandas were strongly in evidence. He also showed a bamboo panel with a big window in the centre. The back of the window consisted of a Japanese canvas representing sea gulls flying over a stormy sea. The bamboo trellis, framing the window and the roof, was garnished with chrysanthemum flowers in variety, relieved by sprays of Asparagus Sprengeri with a few Japanese lanterns interspersed.

Margottin was allotted a silver gilt medal for an effective display of lily of the valley.

PARISIAN WEATHER.

We have had very wet weather of late, a good shower falling at least every other day. The thermometer, however, stands pretty high for the season and at this writing, November 8, no frost has occurred as yet. Tropæolums, Cosmos and such tender things are still in full flower in my little garden. The mildness of the weather may alleviate conditions for next season and will strengthen the plants for seed purposes, which on account of the damaging drought of last summer had a very unfavorable start.

TRADE NOTES.

The mass of material still existing in gardens is a drawback against the sale of flowers on the market. Chrysanthemums are a glut, and may be had for any price offered. Yellow marguerites, Chrysanthemums frutescens, called here

ESTABLISHMENT OF WIETOR BROS., CHICAGO.
House of chrysanthemums.

anthemis, are cheap and sold at six cents per bunch of 12 to 15 flowers. Carnations are worth only 30 cents per dozen fine blooms; violets 10 cents to 12 cents per big bunch of 100 to 150 flowers; Parma violets 60 cents for a similar sized bunch. Mimosas, Acacia retinoides, 20 cents per kilo of two pounds. Lilacs 50 cents per bunch of 12 panicles. Roses are getting scarcer and fine blooms are worth 20 cents each. Ranuncules are making their appearance and are sold at six cents per dozen.

There is little demand just now for plants offered for sale on the market, including chrysanthemums, carnations, begonias, cyclamens, ericas, primula Sinensis and P. obconica, bouvardias, ferns, etc. Some of the merchants on to-day's market took less than $1.

PARISIAN.

Violet Troubles.

In moving around among the violet men it is very suggestive that in a great many instances those who are loudest in their howls against insect and fungus troubles, and who the most frequently assert that cultural care is useless against the common enemy are the very men who avoid the trouble and attention incident to high culture.

And by high culture I do not mean expensive, elaborate and high sounding theories, but the work of men who know their plants and their requirements by experience and by a kind of intuition that leads them to adopt preventive measures in time rather than depend upon remedies that at the best are only makeshifts. Even in the use of the latter the careless grower with his slapdash methods, or want of methods, fails where a grower with his heart in the work succeeds. As an instance the first may often be seen with the nozzle of his sprayer playing away at the upper surface of the leaves to destroy red spider while the other, lifting the leaves slightly directs it to the under sides where the insects live.

But all this aside; the man who gets to market with the earliest and the best produce is in nearly every instance he who with his plans always ready formed anticipates the needs of the plants, starts in clean and keeps clean all along. He knows for instance that the violet is a comparatively hardy subject so doesn't coddle it at any stage of growth but admits all the air and light possible at every stage. He knows that any plant to give good results must have its roots working well, consequently his soil is firmly placed, sufficiently but judiciously moistened and loose enough on the surface to insure easy passage of fresh air. Hard vigorous leaves result that insects, which also know a few things in their way, leave alone, and seek some that are more easily punctured with their own private business arrangement. Much more might be said but think over this just a few minutes any of you violet men who think that any old thing is good enough for the modest violet.

WITH THE GROWERS

Wietor Bros., Chicago.

Seventy houses, containing in the aggregate about 1,000,000 square feet of glass, is the size of the plant where Wietor Bros. grow the excellent stock for which they are justly noted. On a recent visit everything was found in excellent cultural shape, perhaps the finest thing of all being the immense stock of American Beauty roses. Some of the plants have been put in this year while there are others of two and three years' growth, but all show the same high condition and a heavy cut must result this season.

Liberty, too, is in fine order here, really well done in every respect. It is the opinion of James Psenicka, Wietor Bros.' foreman, that this fine rose would be much more grown if there was a better supply of good growers, as it is certainly more difficult to grow than Richmond, but of better quality. Kate Moulton as grown here is a fine rose, the flowers a light pink, something the shade of La France, the stems long, and the habit good. Some growers, it is said, have found this variety weak in the neck, but it shows no sign of weakness here, the flowers standing very erect and stiff. Joe Hill is after the Sunrise type,

SALES DEPARTMENT OF WIETOR BROS., CHICAGO.

strong growing with finely colored foliage, the flowers having charming shades of coppery pink, yellow and apricot. The well known Mme. Chatenay is thought very highly of, over 76,000 blooms having been cut since August, an average of just over 16 flowers to a plant. Bride and Bridesmaid, of course, are largely grown and below are the numbers of principal kinds:

ROSES.

American Beauty	60,000
Bride	25,000
Bridesmaid	25,000
Richmond	20,000
Mme. Chatenay	10,000
Kaiserin	10,000
Liberty	5,000
Roselyn d'or English	5,000
Uncle John	5,000

Over 14,000 Bride and Bridesmaid had been cut on the morning of our visit and many other varieties besides those mentioned are grown.

Chrysanthemums are a leading feature here, over 100,000 being grown. Yellow and White Eaton are largely included, also Monrovia, Lady Harriet, Clementine Touset, Col. Appleton, A. J. Balfour and the Bonnaffons, white and yellow. October Frost is highly thought of as an early white, and preparations are in progress for a very large stock of this next year. A large bench of Golden Wedding, just in time for Thanksgiving, must have proved a remunerative one. The flowers were really excellent, very even in size and quality, and of the beautiful deep yellow characteristic of this fine kind. Showing how difficult it is to improve on known and tried kinds, Wietor Bros. have had on trial this season more than 50 new varieties, and out of these only six are to be tried again, while possibly some of these may be discarded next year. The trade in chrysanthemum cuttings here is a large and increasing one, over 500,000 having been sent out last season.

Carnations in all leading market kinds are a leading line, and the number benched this season is just over 160,000. The numbers of the principal kinds given herewith is a good index of their popularity.

ESTABLISHMENT OF WIETOR BROS., CHICAGO.
House of Bride roses.

CARNATIONS.

Mrs. T. W. Lawson	30,000
Enchantress	25,000
Boston Market	15,000
White Lawson	10,000
Lieutenant Peary	10,000
White Cloud	10,000
Guardian Angel	10,000
Estelle	10,000
Chicago	10,000
Lady Bountiful	10,000
Harlowarden	5,000
Robt. Craig	2,000
Victory	2,000
Red sport	2,000

The bulk of these, and other varieties not mentioned, are grown in one large section consisting of eight houses, each 33x300 feet, and the condition of the plants and promise for a good winter crop leave nothing to be desired. This in fact is the case throughout the whole place, and the fact of 62 men being constantly employed would point to Jas. Psenicka having plenty to do to keep all running smoothly. The houses are kept in excellent order structurally and they are light, roomy and well constructed. Steam heat is used in the rose houses, but some of the carnation houses are heated by hot water. There are 28 hot water and six steam boilers at work using 5,000 tons of coal per year. All the coal storage is full up now, about two-thirds of the annual supply being in and as this will be kept up as used, no fear is entertained as to the supply being short should circumstances prevent delivery.

To Be Done Now.

IN THE GREENHOUSES.

Plants of Ardisia crenulata grown cool hold their berries much longer and keep cleaner than if grown in heat.

Disbud roses regularly and early, never using a knife. All side shoots should be taken when they can be rubbed out with the fingers.

Soot and lime in equal proportions are better to keep slugs away from violets than either material separate. Mix just before using or keep in a sealed vessel.

Keep the flowers pinched out of alternanthera and similar plants regularly, or the stems harden and they will not give so good a supply of cuttings later.

Narrow benches or shelves are much better than wide ones for Asparagus Sprengeri. A triangular tier of three is a good arrangement.

Get the bulbs of Odontoglossum citrosmum well ripened up, and when quite finished keep the roots dry.

Now the propagating house is not too full, strike plenty of small foliage plants like tradescantia and panicum.

IN THE STORE.

Roses like Sunrise with brightly tint-

ESTABLISHMENT OF WIETOR BROS., CHICAGO.
House of Madame A. Chatenay roses.

ed foliage show up best against a dark green back ground.

Where wired flowers have to be used in bouquets, the old fashioned boxwood spray is useful as a foundation, stiff yet small to handle.

Take that untidy plant out of the window, and send it to hospital in the greenhouse. A little green, or autumn foliage would look better.

Yellow, bronze and old gold colored flowers need a deep green setting to show up their richest tints. Light green foliage is much less satisfactory.

Change the window display frequently. No matter how successful and attractive an arrangement may be at first, it palls after a time and a change is necessary.

A little nitrate of soda occasionally is helpful to pot-bound plants, such as boxwood or bay, helping to keep the foliage in good order.

English ivy, moss and small ferns, tastefully arranged, forms a nice setting for a window, room being left to show vases of cut flowers or plants in flower.

The paper or composition vases for cut flowers are far lighter and more handy than ware vases, besides being practically unbreakable.

Remember the names of the flowers you are selling; many customers are interested and like to know.

OUTDOORS.

Heaps of soil should never be left in an untidy shape. Properly squared up the rain does not wash the nature out, and they look much better.

After frost, go over the newly planted herbaceous stock, and tread the soil firmly, where it has been lifted and the plants are loose.

Tie the labels firmly to the stems of dahlias where it is desired to keep them true to name. It will save much confusion in spring.

It is never too early to cultivate vacant land. Get all quarters ploughed or dug at once when cleared, provided the weather is suitable.

Self sown forget-me-nots should be left, if convenient, as they usually make very fine plants.

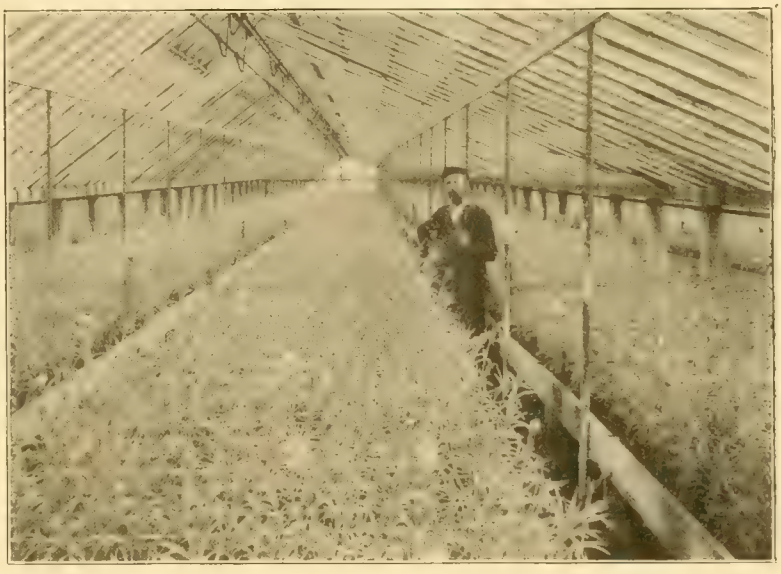
OBITUARY.

Mrs. Robt. Bard.

Mrs. Robert Bard, the wife of R. Bard, of Bard & Davis, Syracuse, N. Y., died on November 15. Mrs. Bard was well known by many home and foreign commercial men among whom her loss will be deeply felt. It was this lady's delight to have anyone connected with the trade stay at her home and she greatly enjoyed chatting with them over their varied experiences. Mr. Bard has the sympathy of numerous friends in his sad bereavement.

Frank E. Hodgeman.

Frank E. Hodgeman, of W. Walnut street, Louisville, Ky., died November 19 of a complication of diseases, after being in ill health for several weeks. He had been a resident of Louisville for 32 years and conducted his business up to the time of his illness. Mr. Hodgeman was a native of New Hampshire and is survived by his wife.



ESTABLISHMENT OF WIETOR BROS., CHICAGO.

House of Enchantress carnations. J. Psenicka, foreman, in foreground.

THE EXHIBITIONS.

Waco, Tex. Flower Show.

People came to this city from adjacent states and from all parts of Texas to see the chrysanthemum show and flower exposition given by the Texas State Floral Society, November 15-18. The second day's entertainment closed at 11 p. m. with a grand concert and reception, the gate receipts that day being over $2,000.

The first prize in its class was given to the City Federation of Clubs, the design being a park arranged on a vacant lot close to the floral temple, arranged in miniature like a modern, highly finished metropolitan park, with fountains, statuary and drives, the landscape depicting both shores of the Brazos river, spanned by two bridges, with manikins in automobiles and other turnouts rolling along the speedway and crossing the bridges, beneath which water tumbled over dams, representing the improvements the government has undertaken to make the river navigable.

In another class Mary West Chapter, Daughters of the Confederacy, won a prize on Confederate bivouac, showing Gen. Lee, President Davis, Stonewall Jackson and other great men of the lost cause in midnight council, with the lines of the Union army in the distance.

Miss Annie Wolfe's design, dedicated to the Elks, won first in its class. It was "Grandfather's Clock," wrought from flowers, the clock having stopped at 11, the symbolic number. The clock was surmounted with the head of an elk, also made with flowers.

Mrs. W. S. Plunkett's prize design showed Cinderella in the squalid kitchen, surrounded by hungry rats, and the next Cinderella transformed by the fairy into a princess.

The following awards were announced:

Special out-of-town growers:

Fifty blooms, four varieties.—Nathan Smith, Adrian, Mich., first.

Fifteen blooms, three varieties, white.—Nathan Smith, first.

Fifteen blooms, three varieties, pink.—Nathan Smith, first.

Fifteen blooms, three varieties, yellow.—Nathan Smith, first.

One bloom, yellow.—Nathan Smith, first.

One bloom, red.—Nathan Smith, first.

Ten blooms, staged singly.—Nathan Smith first.

Fifteen blooms, in variety.—Mrs. W. K. Rose, Cleburne, Tex., first.

Fifteen blooms, four varieties, white.—Nathan Smith, first.

Ten blooms, singly staged.—Nathan Smith, first.

Twenty blooms, new variety.—Nathan Smith, first.

One large bloom, new variety.—Nathan Smith, first.

Cut chrysanthemums, open to all:

Fifty blooms, four varieties.—Charles H. Mayer, first; J. M. Hickman, second.

Fifteen blooms, white, three varieties.—Walter Reese, first; Charles H. Mayer, second.

Fifteen blooms, pink, three varieties.—J. M. Hickman, first; Charles H. Mayer, second.

Fifteen blooms, yellow, three varieties.—J. M. Hickman, first; Walter Reese, second.

One bloom, yellow.—Walter Reese, first; J. M. Hickman, second.

One bloom, red or bronze.—Walter Reese, first; J. M. Hickman, second.

Ten blooms, staged singly.—Charles H. Mayer, first; Walter Reese, second.

Fifty blooms, any variety.—J. M. Hickman, first; Charles H. Mayer, second.

Fifteen blooms, four varieties, white.—J. M. Hickman, first; Charles H. Mayer, second.

Fifteen blooms, four varieties, pink.—Charles H. Mayer, first; J. M. Hickman, second.

Fifteen blooms, four varieties, yellow.—J. M. Hickman, first; Walter Reese, second.

One bloom, 1905 production.—Walter Reese, first.

Ten blooms, in variety, staged singly.—Walter Reese, first; Charles Mayer, second.

Twenty blooms, five or more varieties, new productions.—Walter Reese, first.

Largest bloom, new production.—D. A. Saunders, first; Walter Reese, second.

Cut roses, open to all:

Vase of red roses, with foliage.—Walter Reese, first; Miss Annie Wolfe, second.

Vase pink roses, with foliage.—Miss Annie Wolfe, first; Walter Reese, second.

Vase white roses, with foliage.—Miss Annie Wolfe, first.

Small Flower Shows.

The show at Navasota, Tex., November 13, is described as the best ever held under the auspices of the local chrysanthemum association.

The annual chrysanthemum show was held at the Guilford Hotel reception room, Greensboro, N. C., November 15, a fine display being reported.

The chrysanthemum fair was held early in November at Greenwood, S. C., and was a decided success, meeting with an enthusiastic reception from the citizens.

Houston, Tex., has its annual chrysanthemum show and the thirteenth was held November 14 in Turner hall, which was finely decorated for the occasion. All the competitive classes were well filled and W. A. Hawkins, of Galveston, and W. Kutchbach, of Houston, put up groups not for competition.

THE AMERICAN FLORIST

TWENTY-SECOND YEAR.

Subscription, $1.00 a year. To Europe, $2.00 Subscriptions accepted only from those in the trade.

Advertisements, on all except cover pages, 10 Cents a Line Agate: $1 00 per inch. Cash with Order.

No Special Position Guaranteed.

Discounts are allowed **only on consecutive insertions**, as follows—6 times, 5 per cent: 13 times, 10 per cent: 26 times, 20 per cent: 52 times, 30 per cent.

Space on front pages and back cover page sold only on yearly contract at $1.00 per inch, net.

The AMERICAN FLORIST Advertising Department is for florists, seedsmen and nurserymen and dealers in wares pertaining to those lines only.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Monday to secure insertion in the issue of the same week. Address

AMERICAN FLORIST CO., Chicago.

When sending us change of address always send the old address at the same time.

We do not assume any responsibility for the opinions of correspondents.

THIS ISSUE 48 PAGES WITH COVER.

CONTENTS.

Suggestions for florists.....885
—Preparation for Christmas.....885
Floral display 885
The windows of fashionable florists 886
To prevent frosting of windows....886
Chrysanthemums 886
—Cut blooms for various purposes (illus.) 886
Palms and ferns.....887
—Seasonable notes 887
Paris 888
Violet troubles 889
With the growers.....889
—Wietor Bros., Chicago (illus.)...889
To be done now.....890
Obituary.—Mrs. Robt. Bard.....891
—Frank E. Hedgeman.....891
The exhibitions 891
—Waco, Tex., flower show.....891
—Small flower shows 891
Important to subscribers.....892
The Ladies' Auxiliary 892
Yuletide 892
National Council of Horticulture..892
Kansas City 892
Utica, N. Y.....893
Meetings next week.....893
Baltimore 894
Louisville 895
Indianapolis 895
Chicago 899
Philadelphia 900
Boston 900
New York 902
The seed trade.....906
—To prevent potato rot.....906
Syracuse, N. Y.....907
The nursery trade.....908
—Edward Y. Teas (portrait).....908
Washington 910
St. Louis 910
Cleveland, O. 917
Pittsburg 917
Special Illustration:
—Nephrolepis Whitmani 887

We are in receipt of the seventeenth annual report of the Missouri Botanical Garden, which contains a number of important scientific papers.

THE AMERICAN FLORIST Christmas number, replete with illustrations and valuable reading matter for growers, dealers and retailers in all lines, will be issued December 13. Advertisers should send their copy early to make certain of good location display.

DAHLIAS grown under glass have in one or two instances this year proved very successful and profitable. It is probable that they would in many cases pay well, especially in a season like the present when there has been quite a distinct period between the outdoor flowers and the bulk of the chrysanthemums. At any rate we give this reminder for what it is worth.

Important to Subscribers.

The date on the yellow address label on your copy of THE AMERICAN FLORIST will show when your subscription expires. Please renew subscription promptly on expiration to make certain of receiving your copy of each issue.

The Ladies' Auxiliary.

Mrs. Chas. H. Maynard reports that the ladies are sending in their fees to join the Ladies' Auxiliary to S. A. F. promptly, and with their checks come words of hearty accord with the movement, and hopes of its success. Mrs. Maynard writes: "Ladies' don't wait; keep me busy and we will meet at Philadelphia next summer."

Yuletide.

By sending THE AMERICAN FLORIST to your employes every week of next year they will be given a weekly reminder of you and it will make a most appropriate and useful gift if sent to their home addresses. In many ways it will be a good investment. Send us their names and addresses now, enclosing one dollar for each subscription and we will start with our grand Christmas number and continue sending the paper every week of 1907.

National Council of Horticulture.

A meeting of the National Council of Horticulture was held at the Auditorium Annex, Chicago, November 9 and 10, 1906. There were present J. C. Vaughan, C. E. Kendel, W. F. Kasting, Prof. L. R. Taft, Prof. W. W. Tracy, H. C. Irish, J. H. Burdett, E. V. Hallock and John N. May.

Mr. Burdett gave an exhaustive report on the press bureau work as conducted during the past year after which detailed plans for the continuation of the service were considered. The relative merits of the clipping sheet used by the American Civic Association as compared with the plan of the council by sending mimeograph copies of matter for publication direct to large papers and to press syndicates was discussed and it was voted to continue the latter plan and to begin another series of articles early in the new year. Reports were made of an unusual demand for certain seeds, the cause of which had been traced direct to its exploitation through the press bureau last spring. A list of subjects to be written up for the coming year was presented by Mr. Kendel and the secretary was instructed to correspond with nurserymen and florists for further subjects.

A report was read from Robert Craig on a visit to the Jamestown Exposition Co. in the interests of a horticultural exposition and congress. It showed that the exposition company was not in a position to offer cash premiums for a special horticultural exhibition but in his opinion the project could be successfully carried out if the money was guaranteed by individuals. It was voted to arrange for a horticultural congress at Norfolk during the exposition period and Prof. W. W. Tracy was appointed to draft a call to supplement the one which had been issued and to arrange a preliminary programme.

H. C. IRISH, Sec'y.

Kansas City.

STOCK PLENTIFUL.

Each week marks the period of a satisfactory advance in conditions of both trade and the market. The presence of an exceptionally good stock of chrysanthemums, of good quality, to a certain extent serves to stimulate counter trade materially. Hardly a store fails to take advantage of the good showing possible with flowers of this sort, and as a result the windows are aglow with them. The week past has brought out many of the mid-season varieties. Pompons, in plants and baskets comprised one window's showing, while many of the single-flowered varieties are to be seen here and there. On account of the excellent quality of this year's production it is to be regretted that we have no flower show this fall. Col. Appleton heads the list this week in large blooms which will be followed next by Timothy Eaton, Golden Wedding and other sorts. According to assertions made by some growers the late varieties are in splendid condition. Roses are pretty well up to the standard in quality, and fairly plentiful. American Beauty roses are good both in stem and flower, but meet with rather light demand on account of the presence of other seasonable stock. Bride and Bridesmaid roses show a decided improvement each day. The percentage of inferior grades in these roses is remarkably low this season. Liberty, McArthur and Richmond show the bad effects of the warm weather. A few narcissus, seen in one of the stores this week, mark the arrival of bulbous stock. Carnations are more plentiful than last reported. Enchantress is still acknowledged to be the best, and most in demand. Greens are fairly plentiful.

NOTES.

The Wm. L. Rock Flower Co. held their private display in their store Thursday, Friday and Saturday of this week. Hundreds of visitors thronged the store during each afternoon and evening. The display was a very creditable one, giving every impression of a genuine flower show. A complete dinner table decoration of orchids, proved a most attractive feature. Basket and vase arrangements and a mantel decoration were other features well worthy of note. A shower bouquet of lily of the valley and dendrobiums was effectively staged before one of the large mirrors. A vase arrangement of 100 American Beauty roses held a commanding position. The show windows were banked with specimen chrysanthemum plants and the pompon and anemone varieties were in evidence. Invitation was extended to the trade, one afternoon being set aside for their reception, which brought practically all the craft together.

Samuel Murray, the begonia king, evidently knows how to grow chrysanthemum plants, judging by the splendid showing being made at the store. The plants are all clean and healthy, each one a perfect specimen. His store force under the able direction of Miss Hayden, manages to keep the place in a very attractive condition. They were busy this week with decorations for the Commercial club's annual banquet at the Midland hotel.

Wm. Bastin, who for some time past has conducted a wholesale establishment

at Thirteenth street and Baltimore avenue, has discontinued business at that place, probably on account of his inability to secure ample consignments. It is rumored that his intentions are to engage in the retail line.

The meeting of the Missouri Valley Horticultural Society, occurred at Parkville, Mo., instead of Kansas City, as previously announced. The programme was very interesting and brought out many interesting points.

The Alpha Floral Co. announce that they will move from their present location to more commodious quarters at 1105 Walnut street. This places seven of the downtown flower shops within a radius of three blocks.

Walter Heite, of Merriam, Kans., is cutting some of the best chrysanthemums that reach this market. Col. Appleton is particularly fine with him as well as Bonnaffon and Robinson.

Miss Peterson is reported to be slowly recovering. The trade extends their best wishes.

Miss Julia Dalley was unable to be at the store last week on account of sickness.

W. J. Barnes says business is well up to the standard at both his stores.

Max Eller has just issued a tasty little booklet on plants and flowers.

Ed. Ellsworth went to Pleasant Hill the first of the week. K. C.

Utica, N. Y.

The Florists' Club held its annual banquet in Elks' hall. An attractive feature of the entertainment was the exhibition of flowers made in the large assembly hall, arranged on three large tables. The largest exhibitor was the Lake View Rose Gardens, Jamestown. This firm showed Nagoya, Mme. Liger, and Maj. Bonnaffon chrysanthemums; also Maud Dean, Fair Maid and other carnations. W. A. Rowlands showed Rose Pink Enchantress carnations. Spencer & Martin exhibited a large vase of American Beauty roses. John Haines of Bethlehem, Pa., showed pink and variegated Imperial carnations. Charles Totty, of Madison, N. J., sent a rare display of pompons and single chrysanthemums. The F. R. Pierson Co., of Tarrytown, N. Y., exhibited his Winsor carnation. Frank McGowan had a large exhibit of chrysanthemums, Nellie Pockett, Yellow Eaton, Sunburst and Alice Byron, being shown. Alex J. Guttman, of New York, showed his Victory carnation. The Chicago Carnation Company, Joliet, Ill., showed carnations Red Riding Hood and also Aristocrat.

After inspecting the fine exhibit, the members of the club with their wives and ladv friends, making in all a party of 80, sat down to an excellent banquet. Among those present were Seward Hakes, Theodore Schesch and Jacob Fries, Illion; J. O. Graham, of Little Falls; Joseph Traudt, Canajoharie; R. Kilbourne, Clinton; E. J. Byam, Rome; Robert Main, Gloversville; F. R. Pierson, of Tarrytown; P. R. Quinlan, of Syracuse, and Alex. J. Guttman, of New York.

Frank J. Baker called the assemblage to order and said that all felt greatly obligated to the committee. Among the other speakers were F. R. Pierson, Alex. J. Guttman and P. R. Quinlan.

Meetings Next Week.

Cincinnati, O.—Cincinnati Florists' Society, Jabez Elliott Flower Market, December 8, at 8 p. m.

Dayton, O.—Dayton Florists' Club, 112 South Main street, December 3.

Des Moines, Ia.—Des Moines Florists' Club, Iowa Seed Co.'s store, December 4, at 8 p. m.

Detroit, Mich.—Detroit Florists' Club, 40 Miami avenue, December 5, at 8 p.m.

Hamilton, Ont.—Hamilton Gardeners' and Florists' Club, office of member, December 4, at 8 p. m.

Indianapolis, Ind. — State Florists' Association of Indiana, Commercial Club rooms, December 4, at 7:30 p. m.

Lake Forest, Ill.—The Horticultural Society of Lake Forest, Winter club, December 4, at 8 p. m.

Louisville, Ky.—The Kentucky Society of Florists, December 4, at 8 p. m.

Milwaukee, Wis. — Milwaukee Florists' Club, Quiet house, corner Broadway and Mason street, December 6, at 8 p. m.

Minneapolis, Minn. — Minneapolis Florists' Club, Latham's Conservatory, 83 South Tenth street, December 7, at 8 p. m.

Montreal, Que.—Montreal Gardeners' and Florists' Club, Alexandria rooms, 2204 St. Catherine street, December 3.

New Orleans, La.—German Gardeners' Club, 624 Common street, December 5, at 8 p. m.

Newport, R. I.—Newport Horticultural Society, December 5.

Pasadena, Cal.—Pasadena Gardeners' Association, G. A. R. hall, East Colorado street, December 7, at 8 p. m.

Philadelphia, Pa.—Florists' Club of Philadelphia, Horticultural hall, Broad street, above Spruce, December 4, at 8 p. m.

Pittsburg, Pa.—Pittsburg, Allegheny, Florists' and Gardeners' Club, 422 Sixth avenue, December 4, at 8 p. m.

Salt Lake City, Utah. — Salt Lake Florists' Club, Huddart Floral Co., 114 East Second South street, December 4.

Seattle, Wash.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street, December 4.

Utica, N. Y.—Utica Florists' Club, Hotel Martin, December 6, at 8 p. m.

Washington, D. C. — Washington Florists' Club, Schmidt's hall, 516 Ninth street, N. W., December 4.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

Cash with Adv.

Plant Advs. NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1906 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—By first-class store man, 15 years' experience in the retail end of the business. Address M. A. C., care Welch Bros., 226 Devonshire St., Boston, Mass.

Situation Wanted—By A1 carnation grower; married; good on other stock; best of Chicago references; state wages and particulars. Address Key 846, care American Florist.

Situation Wanted—By a first-class grower of roses and carnations; can come well recommended; single, age 26; prefer eastern states. Key 847, care American Florist.

Situation Wanted—By an all-around florist; good on 'mums, carnations and soft wooded plants, also palms and ferns. State wages and particulars in first letter. Address Key 837, care American Florist.

Situation Wanted—By florist and landscape garnener, 16 years' experience; 5 years in present plaee as foreman in charge of 40,000 square feet of glass. References, Kemble Floral Company, Oskaloosa, Ia. H. R. FISHER, Oskaloosa, Ia.

Help Wanted—A good, all-around man for general greenhouse work in commercial establishment. Address with full particulars Key 842, care American Florist.

Help Wanted—Handy man around greenhouse, capable of handling team. Must be strictly sober. State wages with board; give references. Address Key 843, care American Florist.

Help Wanted—Young man to assist in up-to-date flower store: must be decorator and understand taking care of plants, and also be able to wait on good trade. Address Key 841, care American Florist.

Help Wanted—Carnation grower: must be a No. 1 man, strictly sober and reliable; wages $30 per month with board and washing; state experience and references. Address Key 844, care American Florist.

Help Wanted—A bright young man to make himself useful in a first-class flower and seed store; one with some greenhouse experience preferred; steady position; must have good reference as to character. Address YOUNG'S SEED STORE, 1406 Olive St., St. Louis, Mo.

Wanted to Rent—About 15,000 sq. ft. of glass near Philadelphia, Pa.; must be in good repair. Will take place in spring. Address EMIL WOHLERT, Bala, Pa.

Wanted—Applications of reliable and capable men as salesmen, decorators, or designers, or as sistants thereto. A. W. SMITH, 345 Sixth Ave., Pittsburg, Pa.

For Sale—Carnation supports, $15.00 per 1000; $125.00 for 10,000. JAMES W. DUNFORD, Clayton, Mo.

For Sale—Nine greenhouses, dwelling house and barn, 3½ acres of ground. For particulars address P. O. Box 109, Newtown, Bucks Co., Pa.

For Sale—A1 down-town retail store for sale; established 10 years; bargain. Enquire VAUGHAN & SPERRY, 60 Wabash Ave., Chicago.

For Sale—Greenhouse pipe; 4-in. boiler tubes, second-hand, in fine condition, absolutely free from scale and with ends cut square. Sample and prices on application. Address KROESCHELL BROS. CO., 45 Erie St., Chicago.

For Sale—Young man with experience in flower store as assistant in our flower department. Good position for capable young man. Give full particulars as to age, experience, etc., in first letter. WILLIAM DONALDSON & CO., Glass Block, Minneapolis.

For Sale—All the glass 10x12 double strength A, on five houses, each 20 ft. by 115 ft., for $500 as it stands. Will include sash bars and doors. Aiso two Kroeschell hot water boilers; one steam boiler, 20 H. P., used three months, dirt cheap. BRANT & NOE FLORAL CO., W. Peterson and N. 48th Aves., Chicago.

For Sale—A thriving florists' business in Illinois; 20,000 ft. of glass, all planted with roses, carnations, 'mums and general stock in fine condition; modern 10-room dwelling, all built within the last 10 years; last year's sales, $6,000.00. Cause for selling, other business. Address Key 805, care American Florist.

For Sale—Up-to-date greenhouses, all new; 5,000 feet of glass; hot water heat; stocked with carnations, decorative and bedding stock; four acres, well improved, with running water through grounds; near car line and cemetery; city of 20,000; no competition. Paid 35 per cent last year. Good reason for selling. Price, $5,000, if sold at once. For terms, etc., address PIKE BAKER, 12 West Main St., Shawnee, Okla.

For Sale.—Beautiful home in the suburbs of Shreveport, La., a city of 30,000 inhabitants, built on lot 163x380 feet, with two greenhouses 20x60 feet, and established business, the only greenhouses in the city. The owner has recently died. A good opportunity for a person desiring a nice home and a good business. Price, $10,000 for the entire place, or will sell the greenhouses alone, cutting off lot 100x163 feet for much less. Address HALL & JACK, Attorneys, Shreveport, La.

FOR SALE.

Old established retail florist's store. Reason for selling, going west. For particulars, write to **F. K., 700 N. 5th St., Philadelphia, Pa**

FOR SALE.

COLORADO SPRINGS, COLO.

Wholesale and retail business, well located, 34 greenhouses, 13 acres of land, 4 boilers, 16-60; 2 dwellings. For terms address

WM. CLARK.

FOR SALE.

Des Moines, Iowa, wholesale and retail greenhouse establishment, 29,000 feet of glass, three acres of ground, well located, all in good order, with good wholesale and retail trade. Price, about $8,400; terms reasonable.

VAUGHAN'S SEED STORE
CHICAGO.

CHRYSANTHEMUM NOVELTIES.

This Year I Have to Offer Among Many Others:

IN WHITES

WHITE SPORT of Wm. Duckham, winner of the $50.00 Frick Prize at Chicago.
MRS. A. T. MILLER, a lovely white, Certificate, C. S. A.
MONEYMAKER, a white with a commercial future.

IN YELLOWS

ROSE LAWRENCE, MARY GODFREY, BUTTERCUP.

IN PINKS

MISS MIRIAM HANKEY, one of the most beautiful things I have ever handled. Also
MRS. HENRY BARNES, and many others.

My New List Will Be Ready December 1. SEND FOR IT.

CHARLES H. TOTTY, Madison, N. J.

Baltimore.

TRADE BRISK.

With a week of delightful weather, cheerful sunlight, warm breezes and invigorating ozone, flowers have done well and trade has flourished. Roses and carnations are improving in quality, and some of the best chrysanthemums so far seen are showing themselves in the market as the season approaches its close. With the Thanksgiving demand the supply in the main is over, and the old standbys, the rose, carnation and violet will have the call for general trade.

THE FLORISTS' EXCHANGE.

The Florists' Exchange removed on Monday morning from its old quarters on N. Eutaw street, which it has so long occupied, to its new home erected especially for the accommodation of its business at the southwest corner of Franklin and St. Paul streets. The building is ornamental in design, creditable to the surroundings and to the progressive ideas which prevail in this city in the erection of new structures to replace those destroyed by the great fire. The salesroom for cut flowers is on the first floor, connected with which is a well ventilated storage room for the preservation of stock. In the basement is room for the sale of plants, greenhouse requisites, etc. On the second floor is a handsome hall, which will be rented for meetings, balls, lectures, etc. The Gardeners' Club will have its quarters here. The building is hardly completed, but the finishing touches will not take long, and when everything is in good shape it will probably be the best arranged and equipped establishment for its purpose of any in the country. A brisk business started in the new home.

NOTES.

The sewage commission which will erect a great pumping station in the eastern section of the city wants to enlarge the space it has already acquired and make a small park around the buildings instead of limiting it to the narrower limits required for the enormous engines. The park board, it is understood, approves the proposition, as the section of the city where the station is to be located needs badly an extension of public squares for the benefit of the congested population, and as there is money in hand the enlarged area will be secured and made into a small park for the benefit of the working people who find homes in this quarter. The park board tried the experiment a few years ago of replanting the Dutch bulbs which have once flowered in the beds of the parks and public squares, but it is understood the attempted economy did not prove very satisfactory and it is now announced in the daily papers that an order has been given for about 50,000 bulbs for this fall's planting. One of the reporters sagely remarks the order was sent to Holland, on account of the scarcity of the bulbs in this country.

In these notes it was stated recently that only one florist store advertised regularly in the daily papers of this city. Others, however, use different means of gaining publicity for their products. One, through the medium of spaces in the street cars, proclaims that, whilst the flowers of their competitors quickly fade, their own last twice as long, being "fresh from our own greenhouses." Another has in the window a placard, "We grow the flowers we sell." Let us hope they are always able to sell the flowers they grow.

To the Biltmore Nursery, at Asheville, N. C., has been awarded the contract for supplying the city park board with trees and shrubbery for the planting in the parks and squares for the next season. Proposals were invited by public advertisement. The quantity needed is large and the figure of the award is about $3,100.

The friends of the genial Robt. L. Graham, he of many friends, of the drooping mustache far hotter in color than his temper, will be pleased to know that he has come into a very handsome legacy, running well up into five figures. This exemplifies the old adage, "Them what has, gits."

Edwin A. Seidewitz moved into his new quarters on North Charles street on Saturday. The handsome large window was tastefully decorated and attracted general attention. S. B.

ROCKY HILL, CT.—L. C. Austin is to build another greenhouse 21x100 feet.

DES MOINES, IA.—One of the large stock buildings of the C. L. Watrous Nursery Co. was destroyed by fire November 16 at an early hour in the morning. The loss will reach at least $2,000 and the origin of the fire is unknown. The fire had got a good start before the firemen reached the scene.

ORDER

— FROM —

PETE REINBERG

51 Wabash Avenue, CHICAGO.

PRICE LIST.

Beauties,	Per doz.
Extra select	$5.00 to $6.00
24 to 30-inch stems	3.00 to 4.00
15 to 20-inch stems	2.00 to 2.50
Short stems	1.00 to 1.50
	Per 100
Bride	$4.00 to $8.00
Bridesmaid	4.00 to 8.00
Liberty	4.00 to 10.00
Richmond	$4.00 to $10.00
Chatenay	4.00 to 10.00
Golden Gate	4.00 to 8.00
Sunrise	4.00 to 8.00
Ivory	4.00 to 8.00
Perle	4.00 to 6.00
Carnations	3.00 to 4.00

ROSES, Our Selection, . . . per 100, $3.00

'Mums, Fancy.....per doz., $3.00 to $5.00 | **'Mums,** Medium.....per doz., $1.00 to $2.50

Louisville.

Business the past week has been very good, and stock generally has been obtainable in adequate quantities. Chrysanthemums have been plentiful with the exception of white, which have been unusually hard to obtain in quantities; yellow varieties have been a little short also. Roses can be had in adequate quantities of good quality and sell well. Carnations have their usual heavy demand, the quality being very good, and the supply short. Violets have had a good demand, but unfortunately quantities of them arrived in bad shape and could not be used. Lily of the valley sells well, but is hard to get in quantities. Lilies are very good in quality, and have a good demand. Green goods are in fair supply.

NOTES.

The next regular monthly meeting of the Kentucky Society of Florists will be held the night of December 4. Election of officers will be the main business, and it is hoped to have a good attendance.

Jacob Schulz's annual chrysanthemum exhibition proved a grand success.

S. S. Skidelsky was a recent visitor.

F. L. S.

Indianapolis.

BUSINESS AGAIN GOOD.

Opening of the art museum, various social functions and concerts brought business up to normal the past week. In all likelihood, next week will practically finish the chrysanthemums. Seasonable stock of good quality is plentiful excepting violets, which will be rather scarce. Local violet growers are unable to account for the lateness of the crop. Plants, they say, are apparently healthy and full of buds and indications for heavy picking from December on are good.

NOTES.

E. G. Hill, E. B. George and Irvin C. Bertermann are named on the national flower show committee, to represent Ohio and Indiana. This committee, we understand, has the pleasant as well as easy task of raising a $10,000 guarantee fund for said show.

The Indianapolis News brought out an article on F. Dorner & Sons Co.'s new carnations, headed: "Winona, the new queen of the floral world. Lafayette wizards produce remarkable carnation worth more than $15,000."

Herman D. Schilling is positive that it was Maud herself or some mule closely related to her, that kicked him off his wheel the other day; fortunately Mr. Schilling was not seriously hurt.

The windstorm that swept this vicinity last Tuesday is reported to have reached a velocity of 53 miles an hour. Damage done to greenhouses was nominal.

Robt. Ellis, manager of Bertermann Bros.' Cumberland branch, was married November 25. Mr. and Mrs. Ellis' home will be at 25 Garfield avenue.

Mrs. Alvin Schreiber, who has been critically ill with typhoid fever, is slowly recovering.

Visitors: R. McRaind, Marion; W. W. Coles, Kokomo; R. Hyat, Anderson, and J. C. Vaughan, Chicago.

J.

Price List.

Subject to change without notice.

—o—

American Beauty,	Per doz
Extra long stem	$5.00 to $6.00
24-inch stem	3.00 to 4.00
20-inch stem	2.50 to 3.00
15-inch stem	2.00
12-inch stem	1.50
8-inch stem	1.00
	Per 100
CHATENAY	$6.00 to $8.00
BRIDE	6.00 to 8.00
BRIDESMAID	6.00 to 8.00
METEOR	6.00 to 8.00
UNCLE JOHN	6.00 to 8.00
KAISERIN	4.00 to 8.00
RICHMOND	6.00 to 10.00
LIBERTY	6.00 to 10.00
CARNATIONS, fancy	5.00 to 6.00
" ordinary	4.00
'MUMS, fancy.....per doz,	2.50 to 3.00
" ordinary... "	1.00 to 2.00

ALL OTHER STOCK AT LOWEST MARKET RATES.

WIETOR BROS.

51 Wabash Ave., Chicago.

HENRY M. ROBINSON & Co.

Wholesale Florists. **Florists' Supplies.**

11-15 Province St., 9 Chapman Place, **BOSTON.**

AMERICAN BEAUTIES, RICHMONDS, CARNATIONS, VALLEY, CHRYSANTHEMUMS.

Wholesale Flower Markets

CLEVELAND, Nov. 28.

Roses, Beauty, per doz..	$1 50..6 00
" Bride, Bridesmaid, Meteor.	3 00@ 8 00
" Kaiserin	4 00@ 8 00
Carnations	3 00@ 5 00
Smilax	15 00
Aspgragus, strings	25 00@50 00
" Sprengeri	1 00@ 2 00
Common ferns	per 1000, $1 50
Chrysanthemums	6 00@15 00

ST. LOUIS, Nov. 28.

Roses, Beauty, long stem	4 00@ 6 00
" " medium stem	2 00@ 3 50
" " short stem	75@ 1 50
" Bride, Bridesmaid	4 00@ 8 00
" Pres. Carnot	5 00@10 00
" Kaiserin	4 00@ 8 00
" Chatenay, Richmond	5 00@10 00
Carnations, common	2 50@ 3 00
" best	4 00@ 6 00
Smilax	12 50@15 00
Asparagus Sprengeri	2 00@ 3 00
" Plumosus, strings	25 00@40 00
" cut sprays	2 00@ 3 00
Fancy ferns	per 1000, $1 75
Lily of the valley	4 00@ 5 00
Chrysanthemums, f'cy, doz.,	$3@$4
" ordinary,	$1@2 50
Violets	1 00@ 1 50

PITTSBURG, Nov. 28.

Roses, Beauty, specials	30 00@50 00
" " extras	15 00@20 00
" " No. 1	10 00@15 00
" " ordinary	6 00@ 8 00
" Bride, Bridesmaid	3 00@10 00
" Chatenay	4 00@ 8 00
" Richmond	4 00@12 00
" Kaiserin	4 00@ 8 00
" Cusin	4 00@ 6 00
" Perle	4 00@ 6 00
" Bon Silene	4 00
Chrysanthemums	6 00@25 00
Carnations	2 00@ 6 00
Lily of the valley	2 00@ 4 00
Violets	1 00@ 1 50
Smilax	12 50@15 00
Asparagus, strings	30 00@50 00
" Sprengeri	2 00@ 4 00
Lilies	15 00@18 00
Adiantum	1 05@ 2 00

CINCINNATI, Nov. 28.

Roses, Beauty	per doz.. $1 00@$4 00
" Bride, Bridesmaid	3 00@ 6 00
" Liberty	4 00@ 8 00
" Meteor, Golden Gate	3 00@ 6 00
Carnations	1 00@ 3 00
Lily of the valley	3 00@ 4 00
Asparagus	50 00
Smilax	12 50
Adiantum	1 00
Asparagus plumosus and Sprengeri in bunches	per bunch 25c
Ferns	per 1000, $1 50
Longiflorum lilies	6 00@15 00
Asters	1 00@ 2 00
Gladiolus	2 00@ 3 00

MILWAUKEE, Nov. 28.

Roses Beauty, per doz..	1 00..6 00
" Liberty, Chatenay	3 00@ 8 00
" Bride, Bridesmaid	2 00@ 6 00
" Meteor, Golden Gate	3 00@ 6 00
" Perle	2 00@ 4 00
Carnations	2 00@ 4 00
Smilax	12 00
Asparagus, sprays	3 00
" Sprengeri	3 00
Lily of the valley	4 00
Adiantum	1 00@ 1 50
Chrysanthemums	10 00@35 00
Common ferns	$1 50 per 1000
Longiflorum	$2 00 per doz
Violets	1 50

Allentown, Pa.—A greenhouse 18x41 feet is being erected by the Lord & Burnham Co. of New York, on E. M. Young's grounds.

Artificial Poinsettias

OURS IS THE "REAL" ONE

These will be the **"HIT"** of the season. All "live" florists are putting in a stock of them. They are a genuine imitation of this favorite Christmas flower, and we mail a sample for **25c;** per doz., **$2.50.**

Bouquet Green, Evergreen Wreathing, Fancy Holly, Etc.

Complete list for the asking.

E. F. WINTERSON CO.

45-47-49 Wabash Ave., CHICAGO.

HOLLY

Choice Delaware Stock.

Dark green and well filled with bright red berries, solidly packed in standard cases. Freight prepaid cash in advance with order, single case, $4.00; five cases or more, $3.50 per case. By express, C. O. D., $3 00 per case.

HOLLY WREATHS, 14 in., in diameter, made from perfect green holly, with four large clusters of berries; by freight, prepaid, per 100, $10.00; by express, C. O. D. per 100, $9.00.

Order early and can ship promptly on any date desired.

H. AUSTIN, Felton, Del.

An Exception.

Customer: "I want to get some cut flowers; we are having company."

Florist: "How many?"

Customer: "About 50 cents worth."

Flowers are cut and handed to him. He passes over $1 and departs saying "that's right."

One for the Policeman.

A police officer coming down street spies out a fine chrysanthemum flower. "How much?"

Florist: "Ten cents."

"Huh! I'd rather give it to the poor than pay 10 cents for a flower."

Florist: "What about the poor florist?"

P.: "Poor florist, eh? What pays better than growing flowers at 10 cents each?"

Florist: "A job on the police force, maybe."

Officer retires without purchasing.

THE NEW WHOLESALE HOUSE IN ST. LOUIS.

Wm. C. Smith & Co.

1316 Pine Street,

ST. LOUIS, MO.

—o—

WHOLESALE DEALERS IN

Everything for Florists.

—o—

CONSIGNMENTS SOLICITED.

Both Long Distance Phones.

Costs no more, and where quality considered,

WORTH MORE THAN DOUBLE.

Silliman's every sprig berried brand of

MISTLETOE

Fifteenth year. Write for prices.

A. B. SILLIMAN & CO., Boone, Ia.

PITTSBURG CUT FLOWER CO. Ltd.

HEADQUARTERS FOR

Boxwood, Mistletoe, and Pennsylvania Fancy Green Sheet Moss.

222 Oliver Ave., PITTSBURG, PA.

BEAVEN'S

Fadeless Sheet Moss

$3.50 per bag.

Southern Wild Smilax

IN ANY QUANTITY.

E. A. BEAVEN, Evergreen, Ala.

PRICE LIST FOR

Christmas Decorations

EVERGREEN WREATHING.

NATURAL.

Standard grade, per coil, 20 yds	$0 60
Light weights, per coil	50
Standard grade, dyed, per coil, 20 yds	60
Light weights, dyed, per coil	50

WREATHS.

Holly, fancy Delaware, per doz	1 10
" Southern, per doz	1 00
" and **Evergreen,** mixed, per doz	1 00
Evergreen, plain, per doz	1 00
" with Immortelle flowers, per doz	1 10
Galax, green or bronze leaves, per doz	90
" with Immortelle flowers, per doz	1 00
Magnolia Wreaths, per doz	1 00
" with Immortelle, per doz	1 10
Delaware Holly, per crate	$4 00 to 4 50
Southern Holly, per crate	3 25 to 3 75
Mistletoe, per lb	20
Needle Pines, per doz	1 50
Galax Leaves, per 1000	1 00
CALIFORNIA PEPPER BOUGHS, beautiful for decoration and very fragrant, per crate	4 50
Magnolia Leaves, heavily packed, per barrel	6 50

Let us book your orders now, and you name date when you want goods shipped.
We manufacture all our stock employing 100 hands.

H. WOODS CO. 127 S. Water St., CHICAGO.

Holly and Holly Wreaths

Dark green and well berried.

Choice Delaware, per case, 2x2x4 ft...$3.00
Choice Virginia, per case, 2x2x4 ft.... 2.75
Holly Wreaths.....10 and 12c
Laurel Roping.....3c per yard
Cash. Order early and will ship on any date desired

HARRY L. HUBBS,
N. E. Cor. 34th and Cumberland Sts.,
Commission Merchant, **PHILADELPHIA, PA.**

BOUQUET GREEN

Best quality at **lowest rates.** We gather our own **Greens** and bring by our own boat direct.
Also **CHRISTMAS TREES.**

Northern Michigan Evergreen Nursery.

SCHOONER GEO. L. WRENN, H. Schuenemann, Capt. S. W. cor. Clark St. Bridge, **CHICAGO.**

Please mention the American Florist when writing.

HOLLY, MOSS, ETC.

Fancy Holly, in case, 2x2x4 ft., per case, $3.00.
Laurel Branches, in case, 2x2x4 ft., long stems for decorating, per case, $2.50.
Cedar Branches, with berries, 2x2x4 ft., case, $3.00.
Green Sheet Moss, in large thin pieces, per bbl., $1.25.
Can ship now. Cash from unknown parties. Write for circular and testimonials.

W. Z. PURNELL, Snow Hill, Md.

XMAS GREENS

HOLLY, MISTLETOE, ETC.

☞ Write for a copy of our Christmas Circular. Just issued.

Vaughan's Seed Store

CHICAGO: 84-86 Randolph St.,
NEW YORK: 14 Barclay St.

Extra Fine New Crop **FANCY FERNS** $1.25 per 1000
Discount on large orders.

GREEN and BRONZE GALAX.....$1.25 per 1000

Send for our weekly price list on Cut Flowers. Let us have your standing order for Ferns; will make price right all through the season.

MICHIGAN CUT FLOWER EXCHANGE

WM. DILGER, Mgr. 38 and 40 Broadway formerly Miami Ave., DETROIT, MICH.

HOLLY! HOLLY! HOLLY!

Holly Wreaths, Lycopodium and **Lycopodium Wreathing.** Our man in the woods with 12 years' experience in packing, can ship you direct and thus save extra expense of freight. Choice, well-berried **Holly Wreaths,** $10.00 to $15 00 per 100. **Delaware Holly,** $3.00 per case. Cash with order please.

DUMONT & CO., WHOLESALE FLORIST, 1305 Filbert Street, **Philadelphia.**

Dagger and Fancy Ferns

A No. 1 quality, $1.25 per 1000.
Discount on larger orders.

Southern Wild Smilax

Selected stock, $7.00 per 50-lb. case; $4.00 per 25-lb case.

Bronze and **Green Galax,** $1.00 per 1000; $7.50 per case of 10,000.
Laurel Festooning, good and full, 5c and 6c per yd.
Laurel Wreaths, from $2.00 per dozen upwards.
Princess Pine, $7.00 per 100 lbs.
Branch Laural, 50c per bunch.

Henry M. Robinson Co., BOSTON, MASS.

RICE BROTHERS

WHOLESALE 113 N. 6th St.,

SHIPPERS of home grown Cut Flowers, comprising the newest varieties of blooms. Full line of supplies and decorative greens. Trial order solicited. Weekly price list issued.

MINNEAPOLIS, MINN.

SOUTHERN WILD

SMILAX.

Caldwell The Woodsman Co.
EVERGREEN, ALABAMA.

E. H. HUNT

"THE OLD RELIABLE"

'MUMS AND VIOLETS.

Chrysanthemums in any quantity and all colors. Choicest single and double **Violets.** All other **Cut Flowers. Ferns,** etc., in any quantity.

Wholesale Florist, 76 Wabash Ave, CHICAGO.

E. C. AMLING

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

32, 34, 36 RANDOLPH ST.,
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Be your own Commission Man

THE

FLOWER GROWERS' MARKET

furnishes the facilities.

See PERCY JONES, Mgr.

60 Wabash Ave., CHICAGO.

Please mention the American Florist when writing

Vaughan & Sperry,

Wholesale Florists,

58 and 60 Wabash Ave., CHICAGO

WRITE FOR SPECIAL PRICES.

Please mention the American Florist when writing

PETER REINBERG

Grower and Wholesaler of **Cut Flowers.**

1,200,000 feet of glass.
Headquarters for American Beauty.

51 Wabash Ave., CHICAGO.

Please mention the American Florist when writing.

Poehlmann Bros. Co.

Wholesale Growers of

and Dealers in **Cut Flowers.**

All telegraph and telephone orders given prompt attention.

Greenhouses: MORTON GROVE, ILL.

35-37 Randolph St., CHICAGO.

Please mention the American Florist when writing

WEILAND AND RISCH

Wholesale Growers and Shippers of

CUT FLOWERS

59 Wabash Ave., CHICAGO.

'Phone Central 879.

Write for our wholesale price list.

WHOLESALE FLORISTS

Wholesale Flower Markets

CHICAGO, Nov. 28.

Roses, Beauty, 30 to 36-in. stems	$4 00@ 5 00
" " 20 to 24-in. "	$2 50@ 3 00
" " 15 to 18-in. "	1 50@ 2 00
" " 12-in.	75@ 1 00
" Liberty, Chatenay	4 00@ 7 00
" Bride, Bridesmaid	4 00@ 7 00
" Golden Gate	4 00@ 7 00
" Killarney, Richmond	4 00@10 00
Carnations	1 00@ 2 00
" fancy	2 00@ 4 00
Lily of the valley	2 00@ 5 00
Cattleyas....per doz.,	$6 00@$7 50
Harrisii lilies, per doz.,	$2 00@$2 50
Asparagus plumosus, per string	35c@50c
" per bu.,	35c@$1 00
" Sprengeri	2 00@ 4 00
Green Galax	1 00
Galax leaves.....per 1000,	$1 25
Adiantum	75@ 1 00
Fancy ferns.....per 1000,	$1 50
Smilax.....per string,	10c@12½c
Chrysanthemums, per doz.,	$1 00@$3 00
Violets	50@ 1 25
Leucothoe sprays	75
Wild smilax, 25 lb., $3: 40 lb., $4: 50 lb., $5	

Scheiden & Schoos

WHOLESALE FLORISTS,

60 Wabash Ave., CHICAGO.

Shipping Orders Given Prompt Attention.

WIETOR BROS.,

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.

51 Wabash Ave., CHICAGO.

Chas. W. McKellar

51 Wabash Ave.,
CHICAGO.

ORCHIDS

A Specialty.

Fancy Stock in **VIOLETS, VALLEY, ROSES, BEAUTIES, CARNATIONS** and a full line of all **Cut-Flowers. Greens, Wire-Work** and **FLORISTS' SUPPLIES.**

Send for Complete Catalogue.

Please mention the American Florist when writing.

The Geo. Wittbold Co.

1657-1659 Buckingham Place, CHICAGO.

The only retail florist in Chicago who grows his own cut flowers.

FUNERAL WORK ORDERS, OUR SPECIALTY.

SINNER BROS.

WHOLESALE CUT FLOWERS

60 Wabash Ave., Chicago.

Careful attention to all

SHIPPING ORDERS.

Please mention the American Florist when writing.

Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO.

Telephone, Central 3284.

Christmas Number

December 13. Send advertisements now

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty.....

WHOLESALE GROWER of **CUT FLOWERS**

KENNICOTT BROS. COMPANY

40-42-44 Randolph St., CHICAGO.

Our reputation has always been that we fill orders when others fail. All stock in season at Lowest Market Rates.

THE BENTHEY-COATSWORTH CO.

35 RANDOLPH ST. **WHOLESALE FLORISTS** CHICAGO.

Chicago.

AN AVERAGE THANKSGIVING DEMAND.

Plenty of stock coming in and plenty going out pretty nearly sizes up the trade situation here for the four days prior to Thanksgiving. Shipping orders supplied the largest part of the demand earlier in the week. About Wednesday local calls began to affect the market. However, taken as a whole the wholesalers have again come to the conclusion that no great preparation should be made for this holiday. Those who held back their stock and banked on a heavy demand were disappointed. On the other hand those growers, large and small, who have been cutting their stock clean have had every reason for a feeling of satisfaction. Chrysanthemums of all grades except the extra fancy were plentiful, with the poor stock altogether too much in evidence. There was a heavy demand for American Beauty roses, and none too many of these were seen on any counter. There were just about enough of the pink teas to go around. Other roses were in large supply with a fair call. Carnation receipts early in the week were sufficiently heavy to meet demands. Violets continue to be very short in supply, though excellent in quality as far as they go. Roman hyacinths have made their appearance. Paper White narcissus is seen in abundance; cosmos and bouvardia also are seen. A few poinsettias have shown up with prospects of a very good crop for the holidays. Lily of the valley is again in plentiful supply.

NOTES.

Joe Gans, the lightweight champion of the world, will fight two when he enters the ring at Tonopah, Nev., New Year's day. Not only will Kid Herman, of this city, be there in his own proper person, but Mathilda Graff, who is soon to be his bride, will be at the ring side to cheer her sweetheart on to victory. Herman, bereft of his stage name, is Herman Landfield. Miss Graff is the daughter of Mrs. M. Graff and sister to Sam Graff, of Graff Bros., Columbus, O. Sam is a fast friend to the groom prospective. Miss Graff is going to Tonopah to see the fight. She is going to be right on the spot and she is going to urge the Kid on Gans every time he shows a sign of getting more than he can carry. A prominent seat will be reserved for the young woman.

Scheiden & Schoos last year netted $75 and this year expect to double that amount on an original investment of two cases of beer. Some time ago a grower going out of business offered a fine lot of calla bulbs for a case of beer. Mr. Schoos said he would make it two. The bulbs were distributed about the odd corners of the plant, and otherwise waste space is now turning in a good profit. This firm will have a fine lot of Enchantress, Harlowarden and Boston Market carnations for the holidays.

Stollery Bros., at 1983 Evanston avenue, have a very attractive window of Boston ferns, with Bonnaffon, Wanamaker and pompon chrysanthemums to lend a bit of color. But the main attraction is not the window, nor even the neat and natty appearance of the interior, but Mrs. Stollery herself, who has a hearty greeting for all who come in.

A carload of bouquet green has just been received by the E. F. Winterson Co.

"The Busiest House in Chicago."

J. B. DEAMUD CO.
51-53 Wabash Ave., CHICAGO.

All Flowers and Greens in Season.

J. B. DEAMUD, Pres. W. P. KYLE, Vice-Pres. ALEX. NEWETT, Mgr.

This same firm has just placed the Ajax flower dye on the market. Florists are frequently called upon to furnish, for special occasions, flowers of a color other than that nature produces. The new dye is guaranteed to color a perfect black, blue, purple, green or lavender.

Retailers are more and more substituting Dendrobium formosum for cattleyas, says Chas. W. McKellar. This practice is giving an impetus to trade in dendrobiums. Mr. McKellar is now receiving some very fine New York double and locally grown single violets, 10,000 being received one day this past week.

The Kroeschell Bros. Co. have been favored this past week with a telegraph order from Saskatoon, Saskatchewan, Canada, for one of their big boilers. This is just one of the straws in the wind which shows the rapid progress being made in the far northwest.

A railroad tressel of pink roses, and cars, engine and other appurtenances decorated with flowers were part of the scheme of a dinner table decoration at a farewell dinner in honor of W. C. Brown, president of the New York Central railroad.

The A. L. Randall Co. has received samples of the Easter novelties with which salesmen will be sent out after the holidays. Among them are seen some very attractive designs which ought to take well with the buying public.

John Fuhlbruegge, of the firm of Fuhlbruegge Bros., of Winona, Minn., will be married December 5 to Miss Sarah Hassinger. Mr. Fuhlbruegge is well known in Chicago, having been employed by C. A. Samuelson.

M. V. Garnsey states that besides the 10 barrels of Japana flower holders mentioned in our notes recently the export order called for 40 barrels which will follow as soon as the factory can turn out the goods.

Wietor Bros. had a second large order from the Boston Store this week, including not only chrysanthemums, but roses also for their Thanksgiving decorations.

Poehlmann Bros. will continue to have high grade chrysanthemums right up to the holidays, Merry Christmas coming into crop to replace the varieties that are now going out.

P. J. Hauswirth is temporarily located at 13 Congress street. Upon completion of the new addition to the Auditorium Annex business will be resumed at 232 Michigan boulevard.

The holiday season is bringing E. H. Hunt a big trade in his supply department, but all orders, however large, are

Bassett & Washburn
76 & 78 Wabash Ave., CHICAGO,
Wholesale Dealers and Growers of Cut Flowers
GREENHOUSES: HINSDALE, ILL.

met with the customary promptness.

J. A. Mendel is doing a large business on the west side, several large weddings and receptions keeping all hands busy.

Weiland & Risch are receiving their customary supply of very fine white violets every other day.

Louis Gresenz, with Bassett & Washburn, lost his father by death November 21.

Thousands of red roses may now be seen daily on Peter Reinberg's counters.

Vaughan's Seed Store is receiving quantities of Thanksgiving holly.

Geo. R. Wienhoeber is in the city.

Visitors: B. Eschner, with M. Rice & Co., Philadelphia, Pa.; Frank Hayden, proprietor Colorado Springs Floral Co., Colorado Springs, Col.; Gus Fredrickson, Glen Lord, Mich.; W. W. Britz, Danville, Ill.

READING, MASS.—George G. Phelps has purchased the greenhouses and business recently carried on by Mrs. Manahan.

FAIRHAVEN, MASS.—The greenhouses of H. H. Rogers were opened to the public from 8 a. m. to 6 p. m. November 14 to 17.

CRYSTAL SPRINGS, MISS.—The twelfth annual flower show, by the ladies of the Crystal Springs floral club, opened November 13, and was very successful.

PASADENA, CAL.—The tournament of roses association has asked the chamber of commerce to co-operate in the annual flower festival to be held January 1, 1907.

NEW HAVEN, CT.—At the funeral of Judge Jacob B. Ulman recently, 112 floral devices were sent, constituting vivid proof of the esteem in which the judge was held.

HUDSON, MICH.—John Alwood of the Hudson greenhouses finds trade booming, large orders from neighboring towns as well as his own local trade keeping him busy.

TORONTO, ONT.—Several members of the Ontario Horticultural Association expressed dissatisfaction at the short time allowed for the convention which was held at the city hall November 9.

WHITE VIOLETS, $2.00 per 100.
S. S. PENNOCK-MEEHAN CO., 1610-1618 LUDLOW ST., Philadelphia, Pa.

Philadelphia.

STOCK PLENTIFUL.

Chrysanthemums have been a trifle overplentiful the past week and have moved slowly. All good stock has sold, however, when prices were shaded. There is a demand for a good medium grade, something that would sell for from $6 to $8 per 100, there being a good demand for such stock in the stores. An addition to the whites the past week is Jeanne Nonin. It might be described as a refined Eaton, so much does it resemble that famous variety. It has a better finish, however, is a clear white and is clothed with foliage almost like Bonnaffon. This latter yellow is still one of the most popular of its color. Jerome Jones is also a favorite and many fine blooms are seen. American Beauty roses are in good demand at fair prices; a few specials bring as high as $5 per dozen. There is no great quantity coming in, as many growers say they are manipulating their stock so as to have large crops at Christmas. Large stocks of Richmond and Liberty roses are being sent to market now. Both sorts stand side by side in the retail stores and there is a close race for popularity. Many think Liberty has a shade the best of it, as the color is richer, and Richmond has a tendency to hang its buds a trifle, which gives the impression that it is not strictly fresh. Killarney is improving in size and length of stem, but is pale in color, Bridesmaid having a shade the best of it in this respect. Carnations are not at all plentiful and all good flowers appear to move off at good prices. A tendency toward sleepiness was apparent last week for the first time this season, apparently fresh stock being unsalable the second day. Prices are about the same as last week. Violets are very good and prices quite satisfactory to the growers. Doubles sold for $1.50 and singles 50 cents to $1 per 100 during the past week. Roman hyacinths are in first, bringing $5 per 100. Mignonette is scarce, but little being offered and this not very good. There are plenty of good cypripediums which sell from 12 to 15 cents. Cattleyas sell well at from 50 to 60 cents.

NOTES.

Jacob Becker had an unfortunate loss by fire last Sunday night at his forty-ninth and Chestnut street place. The boiler shed, where the fire started presumably from a defective flue, was completely destroyed, as well as the ends of the three greenhouses opening into it. About 20 to 25 feet of the structures were also destroyed before the fire was gotten under control. The stock in the houses comprising roses planted out on tables for cut blooms was also much damaged by the smoke and heat and the consequent chill. Mr. Becker places his loss at over $2,000, and unfortunately, there is no insurance.

Wm. P. Craig has purchased half the stock of the new Nephrolepis Amerpohli, a house of which is now to be seen at the Robt. Craig Co.'s establishment. We believe Mr. Craig has made no mistake in acquiring this stock. The difference from all the other breaks of the Boston Fern that have gone before is so marked that it cannot help but have a great future. As a cut frond, while yet so different, it is in a class with Adiantum Farleyense and will no doubt have a great sale as a choice cut green.

The S. S. Pennock-Meehan Co. reports it was never so busy for the season. Orchids, American Beauty roses and lily of the valley are constantly going out in large shipping orders that keep all hands busy. Some magnificent pink and yellow Chadwick from Stroud's Stafford farm are seen here.

Thanksgiving business is looming up strong and all dealers say they are well booked with orders for this holiday. Chrysanthemums generally say good bye at this occasion, but this year it looks as if they would have a week or two longer, as considerable stock is reported in bud as yet.

The Leo Niessen Co. is handling large quantities of cut box, also a dwarf laurel suitable for window boxes. If this will do well it will be a strong competitor to the dwarf box now so largely used.

H. Bayersdorfer & Co. are greatly pleased with their new store. They now have room to breathe and expand and their growing trade will no doubt keep pace with the improvement.

Wm. McKissick reports large shipping orders for Thanksgiving. Liberty roses and lily of the valley are strong points in his stock. K.

Boston.

MARKET ACTIVE.

Commencing the first day of last week, not letting up in the least and with an excellent outlook for the coming week, trade has been exceedingly active in every branch of the retail and wholesale departments. The call for funeral work has been very large and coupled with social affairs, teas, dinners, engagements, etc., it may be said that not until now has the season for flowers really opened. Throughout the city the business was proportionately scattered so that all received their share and great inroads were made in the enormous supply of all sorts of flowers daily coming into the local market. The weather has been very poor indeed for growing, which somewhat affected the market but not seriously, excepting for roses. Owing to the poor general quality of chrysanthemums, roses have sold better all along this fall and accordingly brought higher prices than is usual during the early season. The appearances early in the week were that the market would be well supplied with chrysanthemums for Thanksgiving, although it had been feared that the supply would not hold out until then. In the rose market Richmond has been selling well. American Beauty roses, now produced by the local growers, are of much better quality than those received from other markets even though they haven't the lengthy stems which constitute much of the popularity of these roses. The market for pink roses is very well supplied. The old fashioned Safrano and Bon Silene are now coming in and ready to greet their hosts of admirers. Carnations are selling better than heretofore and are now beginning to look more like the local carnations which have become so well known. From the effects of the weather violets have been very short but now are coming better again. Never was the preference for the single violet more prominent than it has been this year. Among the choice novelties are seen cattleyas and cypripediums in quantities, gardenias, bouvardias, pink and white, and lily of the valley, the sale for which has been very great.. Most of these flowers are received from distant shippers, who specialize in this valuable stock.

NOTES.

On exhibition at the Park street market Saturday was a vase of that superb new chrysanthemum, Golden Dome, which attracted the growers by its grand appearance and splendid characteristics. This bloom is a sport from yellow Eaton, originated by John A. Macrae, of Providence, R. I. It has many of the traits of the mother flower, of a deeper shade of yellow, incurved, with a much fuller bloom and exquisite foliage. After the criticisms of all had been disposed of, the unanimous opinion was that it is the peer of the chrysanthemum kingdom. Its foliage was the delight of growers who viewed it. Next season this flower is to be put on the market by the E. G. Hill Co., of Richmond, Ind. Its success is already a foregone conclusion.

W. H. Elliott's crop of Bon Silene and Safrano is now being cut and attracting the exclusive buyers of these old fashioned roses, who have anxiously awaited their coming. The stock of these little roses has been greatly increased, as after an experimental season it was decided that there was a good market for them which was not altogether properly filled.

The Thos. F. Galvin corporation decorated at the dinners of the Beacon Society and Commercial club during the week at the Algonquin club. This house has found it necessary to increase its delivery department and has added another automobile to its service.

Mrs. G. L. Clarke, of Cohasset, who makes a specialty of the beautiful coral bouvardia which has become very valuable is cutting large quantities, for which excellent returns are made.

At the dinner of the Merchants' club November 20 Edward MacMulkin furnished the decorations, composed chiefly of yellow chrysanthemums. B.

POINSETTIAS

$25.00 to $40.00 per 100.

THE LEO NIESSEN CO.

WHOLESALE FLORIST.

Open From 7 A. M. to 8 P. M.

1217 Arch St., PHILADELPHIA, PA.

ROSES — CARNATIONS — STEVIA

ORDER YOUR XMAS SUPPLIES NOW.

PITTSBURG FLORISTS' EXCHANGE, Pittsburg, Pa.

NOW READY

to fill orders for **American Beauties, Lily of the Valley, Carnations** and all varieties of **Tea Roses** in lots of one hundred to one thousand at short notice. Get our prices before ordering elsewhere.

WELCH BROTHERS, 226 Devonshire St., BOSTON, MASS.

ASPARAGUS PLUMOSUS NANUS.

Cut Strings, 50 cents each.

W. H. ELLIOTT, Brighton, Mass.

THE

J. M. McCullough's Sons Co.

Wholesale Commission Florists.

CONSIGNMENTS SOLICITED.

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES, SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

Please mention the American Florist when writing

THE

Rose Pink Enchantress

Is the best and the most profitable pink carnation in sight. If ever you had a good thing on your bench you will be sure to find one in the

Rose Pink Enchantress

Ask me who has it in your neighborhood, and I will unhesitatingly refer you to your own neighbor. It is **THE** carnation to grow.

Price:—Strong rooted cuttings, $7.00 per 100; $60.00 per 1000. Address

S. S. SKIDELSKY,

824 No. 24th Street, PHILADELPHIA, PA.

Please mention the American Florist when writing

Holton & Hunkel Co.

Wholesale Florists

Milwaukee, Wis.

Please mention the American Florist when writing.

Wholesale Flower Markets

PHILADELPHIA, Nov. 28.

Roses, Tea	3 00@ 4 00
" " extra	6 00@10 00
" Liberty	4 00@15 00
" Queen of Edgely, extra	16 00@40 00
" " " first	12 00@15 00
" Beauty, extra	16 00@40 00
" " first	12 00@15 00
Carnations	2 00@ 5 00
Lily of the Valley	2 00@ 5 00
Asparagus, bunch	25 00@50 00
Smilax	15 00@20 00
Adiantum	1 00@ 1 50
Cattleyas	50 00@60 00
Gardeniaa	40 00@50 00
Lilium Harrisii	12 50@15 00
Violets, single	50@ 75
" double	75@ 1 50
Chrysanthemum special	40 00@50 00
" extra	20 00@30 00
" medium	10 00@16 00

BOSTON, Nov. 28.

Roses, Beauty, best	30 00@40 00
" " medium	20 00@25 00
" " culls	4 00@ 8 00
" Bride, Bridesmaid	2 00@ 4 00
" Extra	6 00@ 8 00
" Liberty	6 00@25 00
Carnations	1 00@ 2 00
" Fancy	2 00@ 3 00
Lily of the Valley	2 00@ 4 00
Smilax	8 00@12 00
Adiantum	1 00@ 1 50
Asparagus	35 00@50 00
Sweet peas	25@ 75
Violets	75@ 1 00
Asters	75@ 1 00

BUFFALO, Nov. 28.

Roses, Beauty	40 00@50 00
" Bride, Bridesmaid, Meteor	4 00@10 00
Carnations	1 50@ 3 50
Lily of the valley	3 00@ 4 00
Asparagus, strings	40 00@50 00
Smilax	15 00
Adiantum	75@ 1 50
Lilies	5 00@15 00
Chrysanthemums	8 00@25 00
Violets	1 50@ 2 00

H. G. BERNING,

Wholesale Florist

1402 Pine St., ST. LOUIS, MO.

Please mention the American Florist when writing.

Nephrolepis Whitmani

2¼-inch, $25.00 100,

Boston Ferns 2¼-in. $3.00 per 100.

Henry H. Barrows & Sons, WHITMAN MASS.

J. B. MURDOCH & CO.

WHOLESALE FLORISTS,

FLORISTS' SUPPLIES.

545 Liberty Ave., PITTSBURG, PA.

Please mention the American Florist when writing.

C. A. KUEHN,

Wholesale Florist.

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

Please mention the American Florist when writing.

POMPON CHRYSANTHEMUMS. ALL SEASONABLE CUT FLOWERS.

ABSOLUTELY THE BEST POSSIBLE SERVICE.

W. E. McKissick

WHOLESALE FLORIST.

Business Hours 7 a.m. to 8 p.m.

1221 Filbert Street, PHILADELPHIA, PA.

CHRISTMAS NUMBER

DECEMBER 13. SEND ADVERTISEMENTS NOW.

New York.

With the approach of the Thanksgiving holiday the market was given an impetus, which, while advancing values, leaves business in a condition, which, to say the least, is forced. Preholiday preparations made by growers were of the usual kind, and holding back of marketable stock was very evident, both in volume of arrivals and quality. Roses were the worst problem, and with really prime stock short in supply, values were advanced 100 per cent, or more. American Beauty roses have shortened up, and values have reached a figure in excess of that obtained for them one year ago. Bride and Bridesmaid roses are plentiful, but the quality of the general run is wretched. When any offerings run to top in quality the price for a selection reaches easily a point much beyond the quotations for ordinary stock. Chrysanthemums are inconveniently plentiful, but seem to hold their own, cleaning out fairly well and establishing a good range of quotations for legitimate sales. Yellow varieties have been somewhat over prolific in supply, and street men have had opportunities of which they have readily availed themselves. Some grand Timothy Eaton and Major Bonnaffon are to be had at nominal prices, and other varieties are also well to the front among the good things. Small flowers and bush varieties, inside grown, are prominent in the market, and as a rule bring good prices. Violets have gone through the stage of excessive demand, and have come through an attempt to force prices. They are now fairly settled at the $1.25 mark, with very little business doing at that price. Narcissus is coming in well, and Paper White sells freely. Stevia is also a free selling article when it is good Cypripediums are quite plentiful, but move somewhat sluggishly. Cattleyas are up a bit, and are moving toward their zenith in point of price. Carnations move along steadily, quality increasing as the weather gets colder. Prices are advancing a little and the supply is anything but over plentiful. Enchantress moves well, probably better than any of the ordinary sorts. New varieties are picked up quickly, largely on account of their limited quantity.

THE HARVEST HOME RECEPTION.

Among the thousands who attended the harvest home reception, given by Doubleday, Page & Co. last Tuesday, the florists' trade was well represented. Every person attending was presented with a liberal sized bunch of chrysanthemums or roses on entering the building, and many of the prominent growers loaned exhibits of flowers and decorative stock. John Scott, of Brooklyn, made a handsome showing of dracænas, Nephrolepis Scottii, crotons and other plants. The vestibule and second floor were artistically decorated by the Rosary Flower Co., and many large box and bay trees, loaned by Bobbink & Atkins, of Rutherford, N. J., were exhibited on all floors. C. H. Totty, of Madison, N. J., made a handsome showing of hardy chrysanthemums. The Cottage Gardens Co. had one of the finest exhibits of carnations made by them this year. A large elevated center vase was filled with Alma Ward, the new grand white. Other vases surrounding were filled with Mrs. C. W. Ward, Enchantress, Octoroon, Robt. Craig, Lieut. Peary, Evangeline, Mrs. Patten and Mrs. Tom Harvey. The F. R. Pierson Co., of Tarrytown, N. Y., made a handsome showing with Winsor, as also did Guttman & Weber, of Lynbrook, L. I., with Victory. J. M. Thorburn & Co. made a fine exhibit of vegetables and roots; and John Crosby Brown, Peter Duff, gardener, showed some fine trained chrysanthemums. On the third floor was an exhibit of more than ordinary interest by the United States Department of Agriculture, in charge of F. E. Bonsteel.

NOTES.

Weddings and society events have been quite numerous within the past two weeks. Wm. H. Donohoe of Twenty-ninth street and Fifth avenue had the decorations for the harvest festival held at the Waldorf-Astoria last week in aid of the Industrial School for Crippled Children. It called for a large quantity of chrysanthemums. He also had the decoration of the Belasco theater at its opening last week. In the first act, representing a California scene, all the flowers and plants used were natural, and it is understood that this feature to a large extent is to be continued. He also had the decorations at a theatre opening in New Britain, Conn., last week using yellow chrysanthemums entirely for the lobby and proscenium. A 7-foot horseshoe and star was one of the pieces supplied.

Alex. J. Guttman paid another visit to John E. Haines at Bethlehem, Pa., last Wednesday, and was so satisfied that the two new varieties of carnations which Mr. Haines has originated would prove valuable acquisitions, that he completed arrangements with Mr. Haines to disseminate both varieties this season. Imperial is a variegated variety, with a delicate pink ground sprinkled with deeper pink. Pink Imperial is a carnation of the Lawson shade of pink.

Geo. T. Schuneman, of Baldwin, L. I., has been entertaining his cousin, H. P. Gumtau, a florist from Berlin, Germany. They spent a day last week in Madison, N. J., visiting establishments. Mr. Gumtau says that chrysanthemums are grown better on this side, but other flowers bear only ordinary comparison to those produced on the other side.

The directors of the American Institute had a meeting last week, at which it was decided to hold a flower show next year on a larger scale than ever before, the exhibition to be held if possible in quarters to be obtained uptown. The co-operation of other horticultural bodies will be sought in the matter.

Siebrecht & Son have built a handsome steel and glass roofed canopy over their store front, which not only protects customers from the weather, but improves the appearance of the store.

The Alhambra Florist is the title of the new flower store just opened on One Hundred and Twenty-fifth street, near Seventh avenue.

The retail flower store of Bloomingdale Bros. is now in charge of Thos. Wade, formerly with Wadley & Smythe.

Chas. Thorley is opening a new branch store at Eighty-sixth street and Columbus avenue.

PLAINFIELD, N. J.—Charles L. Stanley, of 142 North avenue, has broken the ground for another new greenhouse at Netherwood. Increase of trade has led to this and other developments of this successful florist's business.

OSSINING, N. Y.—Miss Grace Fisher, daughter of a florist's assistant, has resigned her position as soloist in a Brooklyn church, owing to Madame Nordica having been so captivated by her sweet voice that the famous singer has provided a competent instructor under whom Miss Fisher will study.

NEW HAVEN, CONN.—A serious fire broke out at the Schroto greenhouses, corner of Springside avenue and Austin street, Westville, November 4, and owing to the hose brought by the firemen being of insufficient length, about $800 damage was done before the fire was got under control. The fire is supposed to have started in the boiler room.

Orchids!

ARRIVED IN FINE CONDITION.

Cattleya Harrisoniae, C. Intermedia, C. Gigas, C. Trianae, C. Speciosissima, C. Leopoldii, Laelia purpurata, Oncidium varicosum Rogersii, Marshallianum, Phalaenopsis amabilis and P. Schilleriana.

Lager & Hurrell, SUMMIT, N. J.

Orchid Growers and Importers.

—FLOWERS SHIPPED BY—

JOHN I. RAYNOR

Are the best product of the best growers for the New York Market.

Adiantum Croweanum sold here exclusively.

49 W. 28th St., NEW YORK.

Tel. 1998 Madison Square.

VICTORY HAS MADE GOOD.

Place your orders early for Rooted Cuttings. Prices: $6.00 per 100; $50.00 per 1000.

GUTTMAN & WEBER,

The Wholesale Florist of New York, 43 W. 28th STREET. **Grower, LYNBROOK, L. I.**

HORACE E. FROMENT, Wholesale, Commission,
Successor to William Chormley.
Orchids, Roses, Carnations, Valley, Lilies, Etc.
57 West 28th Street, NEW YORK CITY.
Telephones 2200 and 2201 Madison Square.

WE WILL CUT **20,000 Cattleya Labiata**
FLOWERS, ALSO PLANTS IN BLOOM, ALL AT THE LOWEST MARKET PRICES.
SIEBRECHT & SON, ...ROSEHILL NURSERIES.. NEW ROCHELLE, N. Y.

Choice Carnations. Selected Roses.
Traendly & Schenck
NEW YORK CITY,
44 W. 28th Street, Cut Flower Exchange.
New Telephone No. 798 & 799 Madison Sq.
Please mention the American Florist when writing

CARNATIONS
MY SPECIALTY
Consignments Solicited. Prompt Payments
Established 1891.
Alfred H. Langjahr, 55 W. 28th St., NEW YORK.
Telephone 3924 Madison Square.
Please mention the American Florist when writing.

FORD BROS.
Receivers and Shippers of
Fresh Flowers
48 West 28th St. NEW YORK.
Telephone 3870-3871 Madison Sq.
Please mention the American Florist when writing.

N. Y. Cut Flower Exchange
Coogan Bldg., 6th Ave. & W. 26th St., New York.
Open for Cut Flower Sales at 6 o'clock Every Morning.
Desirable Wall Space to Rent for Advertising.
V. S. DORVAL, JR., Secretary.
Please mention the American Florist when writing.

JOHN P. SCHERER,
Wholesale Dealer in
EVERGREENS, GALAX, FERNS and DECORATIVE SUPPLIES.
I can supply everything needed in the way of GREENS OR MOSS.
636 Garden St., UNION HILL, N. J.

ORCHIDS
Largest Importers, Exporters, Growers and Hybridists in the World.
SANDER, St. Albans, England.
NEW YORK OFFICE: Room 1, 235 Broadway. T. MELLSTROM Agent

Charles H. Totty
WHOLESALE FLORIST
Chrysanthemum Novelties A Specialty. MADISON, N. J.

ORCHIDS...
(28 HOUSES)
Imported, semi-established, established, and fine Hybrids. Stove and greenhouse plants.
Inspection invited. Correspondence solicited.
JULIUS ROEHRS CO., Rutherford, N. J.

ALEXANDER J. GUTTMAN
THE Wholesale Florist of New York,
43 West 28th Street.
Write for prices on any variety of cut flowers, not only for Christmas, but for all the year round. Enough said.

Wholesale Flower Markets

NEW YORK, Nov. 28.

Roses, Beauty, best	20 00@50 00
" " medium	10 00@20 00
" " culls	3 00@10 00
" Liberty, best	3 00@12 00
" culls	1 00@ 3 00
" Bride, Bridesmaid, G. Gate	2 00@10 00
" Kaiserin, Carnot	2 00@12 00
Carnations	1 50@ 3 00
" fancy and novelties	3 00@ 5 00
Lily of the valley	1 00@ 4 00
Lilies	6 00@15 00
Violets	75@ 1 25
Smilax	6 00@ 8 00
Adiantum	50@ 1 00
Asparagus	20 00@50 00
Chrysanthemums, doz.	$0 50@$2 00

Thomas Young
WHOLESALE FLORIST.
43 West 28th St., NEW YORK.

Moore, Hentz & Nash,
Wholesale Commission Florists,
55 and 57 West 26th Street,
Telephone No. 758 Madison Square. New York.

N. Lecakes & Co.
53 W. 28th St., NEW YORK.
Tel. No. 1214 Madison Square
Stands at Cut Flower Exchange, Coogan Bldg., W. 26th Street & 34th Street Cut Flower Market. SPECIALTIES: Galax Leaves, Ferns and Leucothoe Sprays, Holly, Princess Pine and all kinds of Evergreens.
Green and Bronze Galax Leaves, $1.00 per 1000.

A. J. FELLOURIS,
J. J. Fellouris, Manager.
Wholesale and Retail Dealer in all kines of EVERGREENS, Fancy and Dagger Ferns, Bronze and Green Galax.
Telephone, 2675 Madison Square.
52 West 28th Street, NEW YORK.

George Cotsonas & Co.
Wholesale and Retail Dealers in all kinds of
Evergreens.
Fancy and Dagger Ferns, Bronze and Green Galax.
Phone 1202 Mad. Sq.
Main Store, 50 W. 28th St., NEW YORK

Walter F. Sheridan,
WHOLESALE FLORIST,
Telephones 3532 and 3533 Madison Square.
39 West 28th St., NEW YORK.
Please mention the American Florist when writing.

J. Seligman. Joseph J. Levy
John Seligman & Co.
WHOLESALE FLORISTS
56 West 26th Street, NEW YORK.
OPPOSITE N. Y. CUT FLOWER CO.
Everything in Cut Flowers. Consignments from growers solicited. Prompt returns. Best prices. Satisfaction guaranteed. Tel. 4878 Madison.
Please mention the American Florist when writing.

PHIL. F. KESSLER
Wholesale Commission Florist
Telephones { 2921 / 5243 } Madison Square.
55 WEST 26th STREET,
Consignments solicited. Prompt payments. New York.
Please mention the American Florist when writing.

A. M. HENSHAW
Wholesale Commission Florist,
Consignments of first-class stock solicited. A Square Deal guaranteed to all who trade here.
Telephone 5583 Madison.
52 W. 28th St., NEW YORK
Please mention the American Florist when writing.

A. L. Young & Co.
WHOLESALE FLORISTS.
Consignments of choice cut flowers solicited. Give us a trial.
54 West 28th St, NEW YORK.
Telephone, 3559 Madison Square.

C. W. EBERMAN
Wholesale and Commission
PLANTS.
Consignments Solicited.
53 W. 30th Street, Telephone 3767 Mad. Sq. NEW YORK.
Please mention the American Florist when writing.

THE KERVAN COMPANY,
20 West 27th St., NEW YORK.
Wholesale dealers in fresh cut Palmetto and Cycas Palm leaves, Galax, Leucothoe Ferns, Mosses and all Decorating Evergreens.

J. K. ALLEN.
Wholesale Commission Florist.
106 West 28th St., NEW YORK CITY.
Open every day at 6:00 A.M. Tel. 167 Madison Sq.

CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

William H. Donohoe, No. 2 West 29th St., (One Door Off 5th Ave.) NEW YORK.

PHONES: 3034 and 3035 MADISON SQUARE.

Write, wire or telephone your orders to the above. Personal attention assured.

The best is none too good. Prices always right. Send me your next order.

DETROIT.

JOHN BREITMEYER'S SONS

Cor. MIAMI and GRATIOT AVES.

DETROIT, MICH.

...Artistic Designs...

High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

MILWAUKEE.

C. C. Pollworth Co.

MILWAUKEE, WIS.

Will take proper care of your orders in WISCONSIN.

INDIANAPOLIS.

Bertermann Bros. Co.

FLORISTS

241 Massachusetts Ave.. INDIANAPOLIS, IND.

ST. LOUIS.

Fred. C. Weber,

FLORIST,

4320-4328 Olive St.; ST. LOUIS, MO.

Established 1873. Bell, Lindell 676.

DENVER.

The Park ...Floral Co.

J. A. VALENTINE, President. DENVER, COLO.

OMAHA.

HESS & SWOBODA,

Florists,

1415 Farnam Street, 'Phone 1501 and L. 1582. OMAHA, NEB

Please mention the American Florist when writing.

DENVER.

FLORAL DESIGNS AND FLOWERS.

Best Quality on Shortest Notice.

DANIELS & FISHER, DENVER, COLO.

Order by mail, telephone, telegraph or cable. Cable address: "Daniels Denver."

LONDON PARIS BERLIN

A. Lange

Prompt Attention to STEAMSHIP ORDERS.

Main Address 40 East Madison Street, Heyworth Bldg. ...CHICAGO.

Agents in all Leading European Cities.

GUDE BROS. CO. FLORISTS 1214 F ST. N.W. WASHINGTON, D.C.

WASHINGTON, D. C.

Gude's.

CHICAGO.

P. J. HAUSWIRTH

Auditorium Annex,

CHICAGO.

Mail, telegraph or telephone orders filled promptly in best style.

BUFFALO.

Palmer's

Buffalo, N. Y.

W. J. Palmer & Son, 304 Main St.

WASHINGTON.

GEO. H. COOKE,

FLORIST

Connecticut Avenue and L Street, WASHINGTON, D. C.

KANSAS CITY.

Samuel Murray

...FLORIST...

Coates House Conservatory

1017 Broadway, KANSAS CITY, MO.

Both 'Phones 2670 Main.

Write, Telephone or Telegraph. All orders given prompt attention.

KANSAS CITY.

GEO. M. KELLOGG,

806 Grand Avenue,

KANSAS CITY and PLEASANT HILL, MO.

Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

BROOKLYN, N. Y.

Robert G. Wilson

Fulton St. and Greene Ave. BROOKLYN

Greenhouses: Short Hills, N. J.

—Deliveries in—

Greater New York, Long Island and New Jersey.

Trade orders from all parts of the country filled for delivery at residence, steamer, hotel, or theater on wholesale basis. Satisfaction guaranteed. Wire or telephone.

ST. PAUL.

HOLM & OLSON,

ST. PAUL.

THE LEADING FLORISTS OF THE NORTHWEST

Orders will be well cared for anywhere in Minnesota and the Dakotas.

GALVESTON.

Mrs. M. A. Hansen,

—FLORIST—

Galveston, Texas.

Special attention given to Telegraph or Telephone Orders. 'Phone 1912.

JACKSONVILLE.

MILLS THE FLORIST,

36 W. Forsyth Street,

JACKSONVILLE, FLA.

WASHINGTON.

Mayberry & Hoover

Florists and Decorators

1339 Fourteenth St., Northwest

Telephone North 508. WASHINGTON, D. C.

New Orleans

CUT FLOWERS

For Tourists and General Trade.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, —838— CANAL ST.

COLUMBUS.

The Livingston Seed Co.

FLORISTS

Cover All Ohio Points. 114 North High St.

- - RANDALL'S PHENOMENAL PROGRESS - -

Shown in past year's business. You want the **BEST STOCK,** and only the **BEST,** don't you? Then give us a trial. We have **every** facility for handling the choicest lines of seasonable stock—and we do.

FLORISTS' SUPPLIES are specialties of ours. The most up-to-date and best of supplies can be obtained of us at lowest price. Try us once and we will get your future orders. Write for catalogue.

A. L. RANDALL CO., 19-21 Randolph St., Chicago

The Cleveland Cut Flower Company,

WHOLESALE CUT FLOWERS, FLORISTS' SUPPLIES, WIRE DESIGNS.

215 Huron Road, CLEVELAND, OHIO.

Cut Flowers or Designs

Will be delivered for the Trade on Wire or Ma Orders in Best Qualities and Prices.

ST. LOUIS.

Theodore Miller

FLORIST,

Long Distance Phone, Bell, Forest 56, Kinloch, Delmar 201. **4832 Delmar Boulevard ST. LOUIS, MO.**

Please mention the American Florist when writing.

DAYTON, O.

Matthews,

FLORIST,

16 W. 3rd St., DAYTON, O.

Flowers in any arrangement for all occassions for Dayton and vicinity. Long dis. phones.

Please mention the American Florist when writing.

ALBANY, N. Y.

EYRES

Flowers or Design Work.

DELIVERED IN ALBANY AND VICINITY ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

Please mention the American Florist when writing.

ROCHESTER.

J. B. KELLER SONS,

FLORISTS.

25 Clinton Ave., N., ROCHESTER, N. Y.

Rochester Phone 506. Long Dist. Bell Phone 2189.

Please mention the American Florist when writing.

SAN FRANCISCO.

J. B. Boland Co.

Successors to Sievers & Boland,

FLORISTS.

47-49 Geary St., SAN FRANCISCO, CAL.

Please mention the American Florist when writing

LOUISVILLE.

JACOB SCHULZ, 644 Fourth Ave., LOUISVILLE, KY.

Cut Flowers of BEST QUALITY in season delivered promptly to any address.

Write, Telegraph or Telephone.

Cumberland and Home Phones 223 and 984.

ATLANTA.

ATLANTA FLORAL CO.

41 Peachtree Street, ATLANTA, GEORGIA.

Nephrolepis Whitmani

Runners from bed, $7.00 per 100; $60.00 per 1000.

Strong established plants, in 3-in. pots, $10. per 100; $90.00 per 1000.

Nephrolepis Scottii

Runners from bed, $25.00 per 1000.

Strong plants, in 3-in. pots, $40.00 per 1000.

For prices on larger sizes and on other plants send for our Fall circular.

WM. K. HARRIS,

55th St. and Springfield Ave. PHILADELPHA, PA.

FERNS.

	Each
Elegantissima, from bench, suitable for 6-in.	50c
Elegantissima, Runners	5c
Piersoni, from bench	50c
" Runners	3c

ASPARAGUS.

Plumosus and Sprengeri, 6-in.	20c
" " " 3½-in.	5c
Begonias, good varieties, mixed, 5-in.	15c

All first-class stock. Will exchange for 2½-in. Geraniums. Send me your list.

SHEARER, The Florist,

WINCHESTER, KY.

Please mention the American Florist when writing

FERNS. Extra Fine and Cheap.

FROM BENCH. Boston, 3-inch, 5c; 4-inch, 10c.; 5-inch, 12½c. Tarrytown, 3-inch, 10c.; 4-inch, 15c; 6-inch, 25c; Tarrytown Runners, fine stock, $2.00 per 100. Scottii, 3-inch, 8c; 4-inch, 12½c.

FLOWERING BEGONIAS, 8 kinds, 2-inch, 2½c.
ASPARAGUS SPRENGERI, 2½-in., $2.00 per 100.
Dbl. DAISIES, Longfellow, Delicata, $2 50 per 1000.
HARDY PINKS, field, Essex Witch, M. Gray, Abbottsford, 3½c. **HARDY CARNATIONS,** nice young plants from frames, $2 00 per 100.
Dbl. HOLLYHOCKS, 4 colors, field, 1 year, 3c.
REX BEGONIAS, 3-inch, 8c. Cash or C. O. D.

BYER BROS., Chambersburg, Pa.

ROOTED CUTTINGS.

PELARGONIUMS, 15 var. named, $2.25 per 100.
BEGONIAS, $1.50 per 100.

Shipping charges prepaid. Cash with order. Write to

S. D. BRANT, Clay Center, Kan.

Blackistone Florist
14th and H Sts. N.W.
Washington, D.C.

FERNS FROM BENCH.

BOSTONS, ready for 4 and 5-inch pots, $10.00 and $15.00 per 100 respectively.

CARNATIONS.

1500 Norway, extra large, healthy plants, $3.50 per 100; $30.00 per 1000.

ASPARAGUS.

Heavy, 2½-inch, plants, ready for a shift. Sprengeri, extra fine.. 3.00 per 100; 25.00 per 1000
JERUSALEM CHERRIES, 3½-inch, now in bloom, $4.00 per 100. These plants are ready for 5-inch

J. W. DUNFORD, Clayton, Mo.

Please mention the American Florist when writing.

ROOTED ROSE CUTTINGS.

Brides, Maids, Gates, Chatenay, $1.50 per 100, $12.50 per 1000; Richmond, $2.00 per 100, $18.00 per 1000. Clean stock, strongly rooted.
Asparagus Plumosus, 2-in., $3.00; 3-in., $6 00.
Stock 'Mums: White—Estelle, Kalb Willowbrook, Eaton; Pink—Shaw, Duckham, M. Bailey, Enguehard, Dean; Yellow—Oct. Sunshine, Yellow Eaton, Whilldin, Bonnafton, Wedding, 75c per doz., $6.00 per 100, for two weeks. Order at once. Nonin, $1.00 per doz.

W. H. GULLETT & SONS, Lincoln, Ill.

Nephrolepis Whitmani

Young plants from bench,

$6.00.....per 100.

DAVIS BROS., Morrison, Ill.

—SPECIAL SALE OF—

WHITMANI FERNS.

The best new one for 1907. Immediate delivery. 2½-in., $12.50; 3-in., $25.00; 4-in., $50.00; 5-in., $75.00.
AZALEAS for Christmas blooming, 60c, 75c and $1.
HYDRANGEAS, 50c, $1.00 and $1.50.

Write for our new Fern List.

GEO. A. KUHL, Pekin, Ill

The Seed Trade.

American Seed Trade Association.
H. W. Wood, Richmond, Va., Pres.; C. S. Burge, Toledo, O., First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas. Twenty-fifth annual convention at New York, 1907

VISITED CHICAGO: H. G. Windheim, Omaha, Neb.

VISITED NEW YORK: J. Chas. McCullough, of Cincinnati.

POTATOES for seed purposes are admitted to Argentina free of duty.

THE 1907 crop of dummy orders and requests for prices is about ripening.

THORBURN'S preliminary trade price list was received last week, Burpee's following a few days later.

ONION SETS in carloads at Chicago are quoted at $1.50 for yellows, $1.60 for dark reds, and $2.00 for whites.

THE imports of flax seed into the United States in 1906 amounted to only 52,240 pounds against 296,184 pounds in 1905.

ONION SETS are reported sold for February delivery in the west at $2.00 for yellows and reds and $2.25 for whites in half carload lots.

A. J. PIETERS, of the A. J. Pieters Seed Co., Hollister, Cal., will shortly leave for the east on a business trip and will call on the trade.

PARIS, FRANCE, November 8.—Judging from the numerous American orders, which cannot be filled, onion seed must be a scarce article in the United States this year.

BOUQUET GREEN difficulties have been increased because of car shortage. While there are not many carload lots to be found in the green district yet cars cannot be found even to move these.

A CONFERENCE of Canadian provincial premiers, recently held at Ottawa, recommended the legislature to abolish the tax on commercial men, other than liquor travelers, entering the dominion.

KENTUCKY and Tennessee rivers running bank full have washed away both railroad and wagon bridges and carload shipments of holly from that section are delayed from five to seven days, provided no further rains fall.

GARDEN, field and other seeds for agricultural or other purposes when in bulk or large parcels are charged an ad valorem duty of 10 per cent on entering Canada. In small papers or retail parcels the ad valorem duty is increased to 25 per cent.

WE notice, in the consular reports recently issued, that an English commission has been authorized to purchase suitable areas of land in the southern states, on behalf of certain Lancashire firms, with a view of making experiments in growing their own cotton.

CALIFORNIA seed growers are reported to be forming closer business relations than in former years, although for several years past there have been various meetings for consultation on crop outlook, acreage, planting stocks in sight and possible advance of prices. These plans if carried out should be an object lesson to seed dealers to get together and pool their requirements and place the business with those who are not selling to consumers at lower rates than to seedsmen and dealers.

PRELIMINARY prices of the Wholesale Seedsmen's League have been issued. It is possible that some of them are out of line. Bean prices seem too high; some onion prices too low. The next league meeting, which could profitably be held at an earlier date, should be at some central city like Cleveland or Cincinnati where fuller attendance both from the east and west could be secured for full consultation. Cordial cooperation in these matters could be made to mean very much to the trade.

THE DAKOTA IMPROVED SEED CO., a new corporation with a capital of $100,000 has selected Mitchell, S. D., as its location. Prof. Wheeler, late of the Minnesota experiment station, has been appointed manager of the seed business and the principal offices are to be located at Mitchell, where warehouses and other buildings are to be erected or acquired as necessity arises. An experimental and testing farm will be operated near the city and a considerable quantity of the seeds handled by the company will be grown for them under contract in its vicinity. The directors of the new company met November 16 and elected L. R. Erskine, president; T. J. Morron, vice president; W. A. Wheeler, secretary and manager; and S. E. Morris, treasurer.

To Prevent Potato Rot.

German papers publish a method to prevent potatoes in cellars from rotting, on which Consul General Guenther of Frankfort reports: "It is claimed that

C. C. MORSE & CO.
SEED GROWERS.
171-173 Clay Street, : SAN FRANCISCO, CAL.
OUR SPECIALTIES: Onion, Lettuce, Sweet Peas; also Carrot, Celery Celeriac, Cucumber, Endive, Leek, Mustard, Parsley, Parsnip, Radish, Salsify, Spinach, Tomato and Flower Seeds.
Growers for the Trade on Contract.
Warehouses: at SANTA CLARA.
Farms and Farm Headquarters: CARNADERO, near GILROY.
Registered Cable Address: "Morseed," San Francisco.

THE FINEST VALLEY FOR EARLY FORCING NOW READY.
$14.00 per 1000; $1.50 per 100.
Selected Pips for forcing at all seasons.
THIS stock has been picked out with the greatest care. We feel satisfied that they will force out at Christmas or earlier and do splendidly. No better pips can be had. (All cold storage stock sold out.)
FANCY CUT VALLEY FOR THANKSGIVING.
H. N. BRUNS,
1409 W. Madison St., - - CHICAGO.

STOKES STANDARD SEEDS
ARE · MONEY · MAKERS
· Write · me · your · wants ·
STOKES SEED STORE
219 Market Street
Philadelphia

MICE PROOF SEED CASES.
SEND FOR BOOKLET.
HELLER & CO., Montpelier, O.

the potato fungus causes rotting. A solution of one pound of chloride of lime dissolved in 25 gallons of water is used for washing the potatoes, which are then spread out to dry. By this procedure the spores of the fungus are killed."

Syracuse, N. Y.

ACTIVITY FOLLOWS DULL PERIOD.

The florists were preparing for a big Thanksgiving trade, at last reports. The weather for two weeks had been rainy and warm. Stock had moved rather slowly up to the first of this week, when business began to pick up.

NOTES.

P. R. Quinlan & Co. have grown from 5,000 to 6,000 excellent chrysanthemums this season. Single violets are now coming in from their greenhouses. Their American Beauty roses are looking fine and selling well. Roses are a little slow on account of the chrysanthemum supply. Mr. Quinlan attended the banquet and flower show of the Utica Florist Club last week. He reports that the occasion was greatly enjoyed by all.

Henry Morris for two weeks has had a display of yellow Josephine and Major Bonnaffon chrysanthemums and yellow Lincoln chrysanthemums in pots. Mr. Morris says that chrysanthemums and carnations are selling the best while other stock is mostly in demand for funerals.

Wheadon & Hencle report chrysanthemums to be at the height of their season. The quality is good and they have sold well. Chrysanthemums in pots are not moving rapidly with them.

A. J. B.

PURE CULTURE

MUSHROOM SPAWN.

Per 10 bricks....$1.50 | Per 25 bricks..$ 3.50
Per 50 bricks.... 6.50 | Per 100 bricks.. 12.00

Fresh Tobacco Stems, in bales of 300 lbs..$1.50

W. C. BECKERT, Allegheny, Pa.

CHINESE SACRED LILY BULBS

Imported direct from China—the finest bulbs procurable. Every florist should have them for store sale. Prices: Selected bulbs, **60c** per dozen; original basket, containing 30 bulbs, **$1.25;** per 1000, **$30.00.** Order to day.

THE DINGEE & CONARD CO., Rose Growers
WEST GROVE, PA.

MUSHROOM SPAWN.

STYER

Frequent importations from England. Always fresh and lively.

J. J. STYER, Concordville, Pa.

CONRAD APPEL, DARMSTADT, GERMANY.

ESTABLISHED 1789.

Forest and Agricultural Seed Establishments,

HIGH GRADE GRASS SEEDS and ALFALFA

and Other Clovers, Agricultural and Forest Tree Seeds.

Trade Directory

—OF THE—

UNITED STATES AND CANADA.

PRICE $2.00, POSTPAID.

American Florist Co.. 324 Dearborn St., Chicago.

HJALMAR HARTMANN & CO.

Growers for the Wholesale Trade Only.

31 Barclay St. NEW YOYK. | 12 Stormgade, COPENHAGEN.

CAULIFLOWER and CABBAGE SEED

QUALITY SEEDS BULBS PLANTS
SEND FOR CATALOGUE.
ARTHUR T. BODDINGTON
342 West 14th St., New York.

SEEDS

If you are in need of any of the following, write us for prices.

Beet, Cabbage, Cannon Ball and Rocky Ford Musk Melon, southern-grown Watermelon, Bermuda and other Onion Seed, Okra, Mustard, French and California-grown Radish, Tomato, Mexican June Corn, Kaffir Corn, German Millet, Dwarf Yellow Milo Maize, Sugar Cane, Winter Barley, Red Rust Proof Oats, Cotton Seed, Whippoorwill and White Black-Eyed Field Peas, Spanish Peanuts, Johnson and Bermuda Grass.

TEXAS SEED AND FLORAL CO.
DALLAS, TEXAS.

J. STAER, Nurseryman and Seedsman,

WAHROONGA, New South Wales, AUSTRALIA.

Collector of Australian and Island Seeds and Plants. Palms, Ferns, Platyceriums, Orchids, Eucalyptus, ornamental trees and shrubs.

PALM SEEDS.

	Per 1000		Per 1000
Kentia Forsteriana	$1.25	Livistona Australis	.50
" Belmoreana	1.25	Bacularia Monostachya	1.50
" Canterburyana	3.00	Calamus Muelleri	1.50
" Moorei	12 00	Gymnostachys Anceps	2.00
Areca Baueri	1.00		
Seaforthia Elegans.	.50		

TREE SEEDS.

Castanospermum Australe.....$5.00 per 1000
Araucaria Excelsa..... 1.25 per 1000

Please mention the American Florist when writing.

Seasonable Bulb Stock

We call attention to a few leading varieties of which we have good stocks.

FINE FORCING STOCK OR FOR BEDDING,

which we can supply as long as unsold as follows:

NARCISSUS.

	Per 1000
Golden Spur, the favorite single yellow	$18.00
Grandee (Maximus)	10 00
Horsfieldi	16.00
Princeps, large Irish single trumpet Daffodil	7.00
Single Von Sion, very early, much earlier than Trumpet Major	11.00
Trumpet Major, French-grown, forces extra early	12.00
Double Von Sion, extra sized bulbs	12.00
Double Von Sion, mammoth double-nosed or top-root	20.00
Incomparable fl. pl.	9 00
Incomparable Stella	5.50
Poeticus (Pheasant's Eye)	4.50
Poeticus Ornatus	7.00
Orange Phoenix	11.00
Giant Campernell (Jonquil-Rugulosus)	6.00
Double Jonquil	8.00
Bicolor Victoria, of great merit	....$3.00 per 100 25.00
Barri Conspicuus	8.00
Silver Phoenix	20.00
Mrs. Langtry	10.00
Orientalis (Chinese Sacred Lily), bundle of 4 baskets 120 bulbs) for	....$4 80

HYACINTHS.

	Per 100
Miniature or **Dutch Romans,** fine for pans or for cutting, and can also be used very satisfactorily for bedding; very cheap and very profitable.	
Grand Maitre, Gigantea, Gertrude, King of the Blue, and La Peyrouse	$1.75
Baroness Van Tuyll and Mme. Van der Hoop	2.25
Czar Peter	2 50
Fine Named, such as Albertine, Gertrude, Grand Blanche, Robt. Steiger, Mme. Van der Hoop, L'Innocence, Baron Van Tuyll (pink) Marie, Blocksberg, Bouquet Tendre, Flevo, Garrick, Bouquet Royal, La Virginite, Prince of Orange etc., our selection of varieties	$4 00 per 100; $30 00 per 1000
Where special varieties are wanted, write for price.	
White Romans, selected bulbs 13 15 cm.	$3.00 per 100; $25.00 per 1000

LILIUM LONGIFLORUM.

Japan-grown, 9-10 in. bulbs, case of 200 for	$15.00
Japan-grown, **Multiflorum,** 7-9 in. bulbs, case of 300 for	15.00
Japan-grown, **Multiflorum,** 9-10 in. bulbs, case of 200 for	17.00

LILIUM LONGIFLORUM.

Japan-grown, **Giganteum,** 8 10 in. bulbs, case of 225 for	$22.50

	Per 1000
Freesia Refracta Alba, nest Bermuda bulbs	$7.50
Lily of the Valley. Just arrived. Our finest perfection grade for earliest forcing, immediate delivery, case of 2,000 pips for	$28.00
Gladiolus Colvilli alba, "The Bride"	7.50
Gladiolus Colvilli rubra	6 50
	Per 100
Astilbe, or **Spirea.** Ready for delivery. Gladstone	8.00
Astilboides floribunda and Japonica	5.00
Compacta multiflora	6.00
Dielytra spectabilis, strong clumps	8.00
Crocus, large sized bulbs in finest named varieties	Per 1000
David Rizzio, La Majesteuse, Mont Blanc, Prince Albert, Sir Walter Scott, etc	5.00
Separate colors, blue, white, yellow, and striped	3.00
Allium Neapolitanum	5.00
Anemones, single	4.00
Chionodoxa Luciliae	6.50
Grape Hyacinths, blue	3.50
" " white	6.50
Spanish Iris, mixed	2.50
Double Ranunculus, French	3.50
" " Persian	4.00
" " Turban	5.00
Scilla Campanulata cerulea	3.50
Snowdrops, Single and Giant	6.00
Sparaxis	3.50
Ixias, mixed	2.50
Oxalis, Bermuda Buttercup	6.00

TULIPS.

	Per 1000
Cottage Maid	$ 9.00
Keizerskroon (Grand Duc)	17.00
La Reine	8.50
Prince of Austria	24.00
Bizardres, mixed	7.00
Darwins mixed	10.00
Golden Crown	7.50
Parrots, named	12.00
Count of Leicester	9.00
Duke of York	9.00
Gloria Solis	12.00
Lady Grandison	12.00
Murillo	19.00
Peony Red	10 00
Rose Blanche	8.00

For other varieties, see our wholesale list, which will be sent on application.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York

The Nursery Trade

American Association of Nurserymen.
Orlando Harrison, Berlin, Md., President; J. W Hill, Des Moines, Ia., Vice-President; George C. Seager, Rochester N. Y., Sec'y.
Thirty-second annual convention, Detroit, Mich., June, 1907.

THE consumption of tanbark in 1905 was 1,104,045 cords, of which 73 per cent was hemlock bark and the other 27 per cent oak bark. These figures are from a pamphlet issued by the U. S. Department of Agriculture.

The duty payable on apple, pear, cherry, peach, plum and quince trees, also small peach trees known as June bud, on entering Canada is three cents per tree. The duty on grape vines, gooseberry, raspberry, currant and rose bushes, any fruit trees not otherwise specified, also lawn, shade and ornamental trees and any not otherwise specified is 20 per cent ad valorem. Blackberries, gooseberries and other soft fruits enter at two cents per pound, package included, while cranberries, plums and quinces are taxed 25 per cent ad valorem. Peaches pay one cent per pound.

IN making cuttings of manettii or briar for stocks, the wood should not be too large. If about the size of an ordinary lead pencil it will be large enough and it should be of the current year's growth, well ripened. The heel of older wood at the base, once thought necessary should not be allowed; it is not required, and plants having it are more prone to producing suckers than those from straight shoots. These may be cut in lengths of 9 to 12 inches and all the eyes excepting the upper two cut out to prevent suckers forming. When planting leave the upper two inches or so above the soil level and plant with the base resting on a firm bottom. The cuttings, may be set six inches apart in the rows, the rows being left nine inches apart. The easiest way to plant the cuttings is to chop down to a line, with the spade sloping out a little, place the cuttings in position and then dig the next spit towards them, repeating this each foot. If a little sand or rough grit is thrown along the line before inserting the cuttings it helps them to root freely. Very hot dry weather and severe frost are equally trying to briar cuttings and a little loose straw litter scattered over the surface of the ground is a slight protection from either.

IN planting for effect, in gardens of moderately large size, it is too much the custom to dot the trees about promiscuously, without any thought of making a change in the appearance of different parts of the grounds. This is quite a mistake, for every garden should be so planted that at every turn one comes across something new. It is tiresome walking and seeing the same thing repeated time and again. For instance, in parks as well as private gardens, one often sees herbaceous borders backed up with shrubbery, the outline of the borders gracefully traced out and in every way suitable for effective planting. But instead of fine blocks of a shrub or plant we see the different kinds dodged about at almost regular intervals so one needn't walk more than a few yards to see every variety that is on the place. When planting on the grass too, the same thing is often noticed, conifers, deciduous trees, or what not planted at regular intervals. The eye is rested by an occasional open sweep of green, whether lawn or ordinary rough grass, but under the dotting system this can never be seen. Fine specimens of any kind of tree or shrub standing singly

Edward Y. Teas.
The veteran Indiana nurseryman.

are excellent in their effect of course, but a number of mediocre ones are not so good. And large blocks of any of our fine flowering or foliage shrubs are far nicer than a mixture repeated ad nauseam all over the place.

Edward Y. Teas.

A VETERAN HORTICULTURIST.

That veteran horticulturist, Edward Y. Teas, was born in Union county, Indiana, March 8, 1830. At the age of 12, with his older brother, John C. Teas, now of Carthage, Mo., he began a small nursery, at first to grow trees for their own orchard, but finally drifted into a general stock for sale. At that early date the fruits common in Indiana were mostly of New Jersey, Pennsylvania or Virginia origin, or introduced from those states. The varieties most popular in New York and New England, had not yet generally reached Indiana. For about ten years from 1845 the Teas Bros. supplied the nurserymen of Rochester, Geneva, and other points with scions of the best varieties of western or southern origin, and quite a correspondence was carried on with Patrick Bany, of Rochester, W. T. & E. Smith of Geneva, John J. Thomas of Macedon, Charles Douring of Newburg, and others.

In 1844 J. C. & E. Y. Teas grew the first batch of Catalpa speciosa seedlings ever grown anywhere. One thousand of these seedling catalpas sold to Sam'l Fister of Muscatine, Ia., demonstrated in that colder section the superior hardiness of Catalpa speciosa over the common C. bignonioides, which had until this date, been the catalpa of commerce.

E. Y. Teas named and first disseminated Garber's Hybrid pear, a variety originated by J. B. Garber of Columbia, Pa. Mr. Teas also named and disseminated Smith's Hybrid pear near the same date. This pear was quite popular in the south for some years.

Mr. Teas first disseminated the Sucretia dewberry, the first really popular dewberry ever introduced. He personally selected in Paris in the winter of 1859-60 seeds from which he produced the Early Amber sugar cane, a variety that had a wonderful culture in the west and northwest during and after the civil war.

In 1872 he originated the President Wilder currant, a variety which many believe today to be the best currant in cultivation.

Mr. Teas is a charter member of the American Association of Nurserymen, the Indiana Horticultural Society, now in its forty-seventh year, and of various other organizations. Mr. Teas' aim has always been to grow and sell stock true to name. Although now in his seventy-seventh year he is as busy as ever in searching for new and desirable plants for beautifying American homes.

Send to THE MOON Company
For Your { Trees, Shrubs, Vines and Small Fruits.
Descriptive Illustrated Catalogue Free
THE WM. H. MOON CO.,
Morrisville, Pa.

LARGE TREES.
OAKS and MAPLES.
PINES and HEMLOCKS.
ANDORRA NURSERIES,
Wm. Warner Harper, Prop.
Chestnut Hill, PHILA, PA

Climbing Clothilde Soupert, Marie Pavic, Crimson Rambler and Dorothy Perkins
ROSES
Grafted Oranges and Kin Kans, Palms, Biota Aurea Nana, Conifers and other stock for Florists and Nurserymen,
IN IMMENSE QUANTITIES.
400 acres in Nurseries. 60,000 feet of glass. Catalog on application.
P. J. BERCKMANS CO. (Inc.) Fruitland Nurseries
Established 1856. AUGUSTA, GA.

PEONIES.

From our large and select stock, such as the following varieties:

Prince Charles.	Philomile.
Mons. Boquil.	Lord Salisbury.
Leonie.	Festiva.
Duchess of Sutherland.	Hypatia.
Rosea maxima.	Mons. Rousselon.
Mme. Furtado.	Mme. Moreau.

and many other good varieties all true to name.
Strong 1 year old.....$1.50 per doz.; $10.00 per 100
" 2 " " ..... 2 00 " 15 00 per 100

Iris Germanica, Mme. Chereau, Gracchus, Florentine, Socrates, Duchess de Nemours, Dr. Bernice and 20 other good sorts, $2.50 per 100; $22.50 per 1000.

Hemerocallis (Day Lilies), in 10 varieties, to clear, $3.75 per 100; $30.00 per 1000.

The Undermentioned are Strongly Recommended for Cut Work.

Delphinium Belladonna, distinct, continuous bloomer, lovely sky-blue, 1 year old plants, $6 25 per 100; $57.50 per 1000. 3 year old clumps, $8.75 per 100; $75.00 per 1000.

Chrysanthemum maximum King Edward, the finest and largest hardy White Marguerite, four F. C. C.'s and A. M., R. H. S., strong from ground, $8.75 per 100.

Lathyrus latifolius White Pearl, true from cuttings, flowers double the size of the old white variety, A. M., R. H. S., strong from ground, $16.25 per 100. Seedlings, not guaranteed, $12.50 per 100.

Buyers of **Begonias, Dahlias** and **Cannas** should see our catalogue and write for prices. Special terms for quantities.

THOMAS S. WARE, Ltd., FELTHAM, ENGLAND.
Formerly of Tottenham.

Please mention the American Florist when writing.

ROSES.

Heavy Native Grown Stock.

	Per doz.	100
Baby Rambler	$2.50	$20.00
Hermosa	1.65	12.50
Clothilde Soupert	1.65	12.50

Imported Roses

Extra Heavy Hybrid Perpetuals.

	Per 10	100
All leading varieties	$1.50	$12.50
Baby Rambler	2.00	17.50
Crimson Rambler	1.75	15.00

Hollyhocks.

A nice lot in separate colors...$7.50 per 100

PERENNIAL GARDENS CO., Toledo, O.

Please mention the American Florist when writing

NURSERY STOCK

All kinds of Hardy Nursery Stock.
Ask for prices.

KLEHM'S NURSERIES,
ARLINGTON HEIGHTS, ILL.

Specimen Nursery Stock.

Deciduous Trees and **Shrubs, Evergreens, Rhododendrons, Azaleas.**
Over one hundred (100) acres of the choicest varieties. Send for price list.

COTTAGE GARDENS COMPANY,
Queens, Long Island, New York.

Please mention the American Florist when writing.

TREES AND SHRUBS.

We make especially low prices on **Nursery Stock** to Parks, Cemeteries, etc. Wholesale price-list on application. We carry immense quantities of the finest named varieties of

PEONIES.

PETERSON NURSERY 503 W. Peterson Ave. CHICAGO, ILL.

AZALEAS, PALMS, Etc.

Have a fine lot of Azaleas in the following varieties:

Apollo, red: **Hexe,** (Firefly) red: **Simon Mardner,** pink: **Vervaneana,** variegated: **Empress of India,** variegated: **Hermonie,** pink: **Helen Thielman,** pink: **Mme. Van der Cruyssen,** crimson: **Niobe,** white: **Prof. Walter,** variegated.

10 to 12 inches	$35.00 per 100.
12 to 14 inches	45.00 per 100.
14 to 16 inches	55.00 per 100.
16 to 18 inches	90.00 per 100.
18 to 20 inches	150.00 per 100.

LATANIA BORBONICA, strong, 4-inch	$15.00 per 100.
KENTIA BELMOREANA, 5-inch, strong, bushy	60.00 per 100.
NEPHROLEPIS ELEGANTISSIMA, 2½-inch	5.00 per 100.

THE STORRS & HARRISON CO.
PAINESVILLE, - OHIO.

Please mention the American Florist when writing.

HIBISCUS SYRIACUS MEEHANII

WE now offer to the trade our new hardy variegated leaf Hibiscus Syriacus Meehanii. This plant attracted much attention when exhibited at the American Nurserymen's Convention at West Baden, Ind., and American Florists' Exhibition at Asheville, N. C. Foliage beautifully variegated; never sun-scalds or reverts to the green; flowers single, very large, satiny lavender; blooms during four months; prices on application. Orders booked now.

P. J. BERCKMANS CO., Inc., Fruitland Nurseries, AUGUSTA, GA.

SEASONABLE STOCK FOR FLORISTS.

HYDRANGEAS FOR FORCING Otaksa and Thos. Hogg	With 7-12 flowering crowns	$12.00 per 100
	With 5-6 flowering crowns	9.00 per 100
	With 4 flowering crowns	7.00 per 100

From 6-inch pots and open beds; all out-door grown.

ROSES—Strong, 2-years, field-grown, selected for forcing.

Hybrid Perpetuals	$10.00 and $12.00 per 100
Crimson Rambler	9.00 per 100
Dorothy Perkins	7.00 per 100

And **LADY GAY,** a **new** hardy climbing rose of **exceptional merit;** ready **now,** from 2½-inch pots only. Write for prices.

JACKSON & PERKINS CO., Nurserymen and Florists, Wholesale Only, **Newark,** Wayne County, **New York.**

Not a bloomin' thing

but Roses to offer you.

101 best sorts. Own roots. 2½-in. and 4-in.
Get our price list. Send your want list.

THE LEEDLE FLORAL COMPANY, SPRINGFIELD-OHIO.

PEONIES.

Queen Victoria (Whitleyii), per 100	$ 9.00
Festiva Maxima, per 100	30.00
Fragrans, "Late Rose" per 100	6.00

Large stock of M. L. Rhubarb and Lucretia Dewberry Plants.
For 1000 rates and other varieties, write

GILBERT H. WILD, Sarcoxie, Mo.

Please mention the American Florist when writing.

LILAC BUSHES.

Large blooming white, fine for cutting, plants from 4 to 6 feet high, about 150 of them. This lot will sell cheap on account of removal. Also a few hundred Peonia Roots, large clumps. Write for prices.

RUDOLPH FISCHER, GREAT NECK, L. I., N. Y.

CHOICE NORTHERN GROWN
2-year in field, fine for forcing.

CRIMSON RAMBLERS,

$10.00 per 100.
HYDRANGEA PAN. GRAND., $8.00 per 100.

C. M. NIUFFER, Springfield, Ohio.

Please mention the American Florist when writing

Jacs Smits, Ltd.

NAARDEN, (Holland.

GROWERS OF
Rhododendrons, Axaleas, pot grown Shrubs for forcing. Lily of the Valley, Spiræa, Paeonias, Roses, Climbing Plants, good varieties of Conifers and all ornamental stock.

Personal Inspection Cordially Invited.
R. R. Depot, NAARDEN-BUSSUM, near Amsterdam.
Price list free on demand.

——NOW IS THE TIME TO PLANT——

Herbaceous Perennials

We have a very large stock of **Phlox, Iris, Pinks, etc.**

Send for Price List.

VICK & HILL CO., P. O. box 613, ROCHESTER, N. Y.

Special Values in Dreer Palms.

The varieties and sizes here offered are all of excellent value and in prime condition for retailing or for decorative work. For a more complete list see our current Wholesale List.

ARECA LUTESCENS

4-in. pots, 3 plants in a pot, 15-in. high.....$3.50 per dozen; $25.00 per 100

COCOS WEDDELLIANA

The best, thriftiest plants of this we have ever offered.

2¼-in. pots, 5 to 6-in. high....per doz., $1.50; per 100, $10.00; per 1000, $ 90.00
3-in. " 8 to 10-in. " ....per doz., 2.00; per 100, 15.00; per 1000, 140.00

KENTIA FORSTERIANA

6-in. pots,	6 leaves,	24 to 28 in. high		$ 1.00 each
6-in. "	6 "	28 to 30 in. "		1.25 "
6-in. "	6 "	30 to 32 in. "		1.50 "
7-in. "	6 "	34 to 36 in. "		2.00 "
7-in. "	6 "	36 to 40 in. "		2.50 "
9-in "	6 "	46 to 48 in. "		3.50 "
7-in. tubs,	6 "	48 in. "		4.00 "
12-in. "	6 to 7 leaves,	8 to 10 ft. high		15.00 "

KENTIA FORSTERIANA—MADE UP PLANTS

9-in. pots,	4 plants in a pot,	3½ ft. high		$ 4.00 each
9-in. tubs,	4 "	" tub,	4 ft. high	5.00 "
12-in. "	4 "	" "	6½ to 7 ft. high	15.00 "
13-in. "	4 to 6 plants in a tub,		5½ to 6 ft. high, very bushy	15.00 "

KENTIA BELMOREANA

6-in. pots,	6 leaves,	20 to 24 in. high		$1.00 each
6-in. "	6 "	24 to 26 in. "		1.25 "
6-in. "	6 to 7 leaves,	26 to 28 in. high		1.50 "
7-in. "	6 to 7 "	34 to 36 in. "		2.50 "
9-in. tubs,	6 to 7 "	48 in. high, heavy		7.50 "

LATANIA BORBONICA

7-in. pots, 6 to 8 leaves, heavy plants.....$1.00 each

LIVISTONA ROTUNDIFOLIA

4-in. pots.....$4.00 per dozen; $30.00 per 100

PHOENIX CANARIENSIS

The following are all growing in light wooden tubs and are plants of good value.

2½ ft. high	$2 00 each
3½ ft. "	3.50 "
4 to 4½ ft. high	5.00 "
4½ to 5 ft. "	6.00 "

PHOENIX ROEBELENII

Nicely characterized plants of this beautiful rare palm, which undoubtedly is destined to be one of the most popular palms of the future. 4-in. pots, 10 in. high, $1.00 each; 5-in. pots, 12-in. high, $1.25 each; 8-in. pots, 18-in. high, $3.50 each.

For a complete list of seasonable decorative and other stock see our current wholesale list.

HENRY A. DREER, 714 Chestnut Street, PHILADELPHIA.

Washington.

Both dealers and customers show a disposition to make the most of the chrysanthemums while they last and as a consequence other stocks keep pretty well in the background. There are great quantities, of all grades, in sight, and very fine blooms are to be seen in the stores but the greater trade is in the medium sized varieties. Roses of very good quality continue to arrive but sales are slow. All carnations of a passable quality are soon taken.

NOTES.

J. H. Small, Jr., was re-elected to the directorate of the Washington board of trade at the annual election, held at the new Willard hotel November 12. In a total of 303 votes, 232 were cast for Mr. Small. At the meeting, Gen. John M. Wilson, U. S. A., retired, who is also president of the board, presented a resolution indorsing the project for a municipal exhibit at the Jamestown exposition. A committee of the board, of which Mr. Small is a member, will co-operate with other trade bodies of the city in arranging for the exhibit.

All the dealers have hopes that the eminent patriot and statesman, Uncle Joe Cannon, will not harden his great heart and shut flowers out of the house this year; at least, not on the opening day.

The American Rose Co. has recently made a number of improvements in the interior arrangement of its store.

Peter Bieset, president of the Florists' Club, W. F. Gude and Otto Bauer went over to Baltimore and acted as judges at the chrysanthemum show. They say that Baltimore made a very creditable showing in blooms and that the hospitality of the florists was of the true southern brand.

The features of Z. D. Blackistone's and John Robertson's windows this week are big bunches of finely flowered poinsettias that were grown at A. B. Gardens' range.

Fred. Burki, of Pittsburg, has been visiting friends in Virginia. He stopped off in Washington long enough to see the sights and call on his friend, O. A. L. Oehmler.

Roman J. Irwin, representing Vaughan's Seed Store, New York, has been gathering orders in this city and vicinity, during the past week.

Adolphus Gude is erecting a fine new residence. An expert says "that is what fine American Beauty roses will do for a man."

The Washington Florists' Co. have been doing a deal of fine decorative work with chrysanthemums.

The Gude Bros. Co. store is now headquarters for American Beauty roses and chrysanthemums.

Alex. B. Garden has a very fine house of poinsettias, many good blooms being already in sight.

Flowers for the fair debutantes will be features of the trade for the next month.

J. R. Freeman is showing a fine lot of lilies, in pots. S. E.

St. Louis.

MARKER FIRM.

The market the past week was firm; everything brought good prices. There was no over supply, the near approach of Thanksgiving perhaps being partly the cause, as at the time of writing some shipments of roses plainly showed the sign of picking which is an injustice to the retailer as well as the wholesaler. There was no necessity for this, as holiday prices were in vogue as early as Monday. Violets are improving in quality, especially in length of stem and color. Fancy chrysanthemums are bringing very good prices. It might here be mentioned that during the week quite a good many fine chrysanthemums were rendered unsaleable through the wretched packing by the shippers. Many were badly bruised and broken and roses also had fine buds broken off. Asparagus Sprengeri is now in demand and very scarce. A. plumosus is selling well. Narcissus is now coming in and of very fine quality, also stevia. American Beauty is greatly in demand and very scarce, especially long stems. Some good short stems are in. Many of the Richmond roses arrive too close for sale and have to be held over.

NOTES.

W. C. Smith & Co. have purchased the stock and fixtures of F. M. Ellis and intend to conduct a wholesale commission house. With the company is associated Wm. H. Osseck who had charge of the business from February 1 to October 10, during the absence of Frank M. Ellis. Will Smith is well known here and is conversant with matters pertaining to the trade, having served his time in a greenhouse. He has a host of friends, is well liked and is a hustler. He is assisted also by Chris. Sammer, Jr. Mr. Ellis will remain here to collect his bills and pay his accounts and when everything is settled will go to Panama to look after his interests there. Everyone wishes Frank success.

A meeting of seven members from the Florists' Club took place last week in the parlors of Hotel Rozier to further the interests of the flower show to be given by the St. Louis Florists' Club in 1907. Among those present were Professor Irish, Carl Bever, J. J. Beneke, Wm. C. Smith, Otto Bentzen and Theodore Miller.

Judge Vesey, of Fort Wayne, Ind., accompanied by his wife, is a visitor here this week. Mrs. Vesey is a guest at the home of Fred Meinhart. Mrs. Vesey stated she expected to cut chrysanthemums until the middle of December but that weather conditions will control her supply from now till the holidays.

A meeting of the St. Louis Horticultural Society took place at Fred Meinhart's last Thursday. The printing matter in regard to membership for distribution was discussed. Another meeting in a few days will take place and a meeting of executive committee will take place early in January.

Otto Koenig has been appointed a member of the committee of the Society of American Florists to represent this territory. This is a very important

THE SEASON TO SELL POT PLANTS
IS JUST OPENING.

All we want is a sample order to show you the fine quality of **OUR STOCK.**

Our Leading Specialty this season is **FICUS PANDURATA.**

Very much admired for its bold, handsome appearance, and already famous in Philadelphia and New York as a satisfactory, because durable, house plant.

6-inch pots, 2½ to 3 feet high.....$3.00 each
3½ to4 feet high..... 4.00 each
4½ to 5 feet high, in tubs .....$7.50 each
Branched plants...$4.00, $5.00 and 7.50 each

CROTONS.
Well grown and well colored.
4-inch pots.....$3.00 per doz.; $25.00 per 100
5-inch pots..... 6.00 per doz ; 50.00 per 100
6-inch pots.....75c and $1.00 each

Made-up Pans, Fine Stock.
Plants at $1.50, $2.00, $3.00, $5.00, $6 00 and $7.50 each. We have never before offered made-up Crotons in as good condition.

PANDANUS VEITCHII.
Well colored.
4-inch pots, ready for shift..... $ .50 each
5-inch pots, ready for shift..... .75 each
6-inch pots, ready for shift..... 1.00 each

GARDENIA VEITCHII.
5 and 6 inch pots.....50c, 75c and $1.00 each
We have 5,000 plants and call special attention to them. They are well set with buds and should be in just when the prices are good, in December and January. Send for a sample dozen.

ADIANTUM HYBRIDUM.
The finest Adiantum for cutting or for pots.
Specimen plants, 8-inch pans, 2 feet spread....$1.25 each
Specimen plants, 7-inch pans..... .50 each

NEPHROLEPIS SCOTTII.
Well grown, shapely plants.
5-inch pots.....$4.50 per doz.; $35.00 per 100
6-inch pots..... 6.00 per doz.; 50.00 per 100
7-inch pots..... 9.00 per doz.; 75.00 per 100
8-inch pans.....$1.00 each

NEPHROLEPIS ELEGANTISSIMA.
This is a beautiful variety, and we can give you the best plants in the country for the money.
8-inch pans, very fine... .....$1.25 each
6-inch pots, very fine... ..... .75 each
5-inch pots, very fine... ..... .50 each
2½-inch pots, ready for shift...$8 per 100; $75 per 1000

NEPHROLEPIS WHITMANI.
By many thought to be the most beautiful of this class.
6-inch pots, well grown.....$1.00 each. $10.00 per doz.
8-inch pots, well grown..... 1.25 each; 14.00 per doz.

NEPHROLEPIS BARROWSII.
An improvement on Piersoni.
5-inch pots..... 35c each. 6-inch pots.....75c each
3-inch pots.....$1.25 each.

NEPHROLEPIS BOSTONIENSIS.
Still indispensable, especially in large plants.
8-inch pots.....$12.00 per doz.

BABY CHRYSANTHEMUM.
7-inch azalea pots, bushy and fine, just the thing for Thanksgiving .....50c each

PANDANUS PACIFICA.
6-inch pots, well grown plants.....$1.50 each
7-inch pots, well grown plants..... 2.00 each

ARAUCARIA EXCELSA.
6-inch pots.....$9 00 per doz.

ARAUCARIA COMPACTA.
7-inch and 8 inch pots, 3 to 4 tiers .....$2.00 each
These Compactas are extra fine.

DRACAENA SANDERIANA.
2½ inch pots, fine for fern pan centers.....$12.00 per 100

MARANTA ROSEA.
3-inch pots, also fine for fern pans.....$25.00 per 100

ASPARAGUS PLUMOSUS.
2½-inch pots, bushy.....$4 00 per 100; $30.00 per 1000
3-inch pots, bushy..... 7.00 per 100; 60.00 per 1000

CIBOTIUM SCHIEDEI.
Handsome specimens, large tubs.....$25.00 per pair

OTAHEITE ORANGES.
Just right for Xmas. Place your orders at once.
Plants with from 5 to 20 fruit..... .....25c a fruit

ROBERT CRAIG COMPANY, Market and 49th Streets, **Philadelphia**

appointment and Mr. Koenig is well qualified to fill it.

At a meeting of the Civic Federation a letter was received from Professor Trelease, also from City Forester Andrew Meyer, Jr., condemning the smoke nuisance, as it has killed several plants and shrubs at Forest park.

Chas. Connon has opened up a flower stand at the New Grand Leader dry goods store. Charlie Connon is well known, a good designer and thoroughly conversant with the retail business and should make a success.

The Ellison Floral Co. had some of the largest receptions ever given here. Especially grand was the Bassett reception where several thousand Chatenay roses with electrical effects were used.

F. C. Weber had some of the finest home grown roses ever seen here, grown by John Sleidle, of Central. His Chatenay is especially fine, also some fancy Enchantress carnations.

The Bentzen Floral Co. has a large sale this week of palms and chrysanthemum plants at its store. Otto Bentzen is a hustler and a heavy advertiser in the daily papers.

The children of St. Louis through the Post-Dispatch have purchased two little cub bears to be presented to Park Commissioner Aull for the zoo at Forest park.

Geo. Waldbart is getting some extra fine Marshall Field roses and double violets which find ready sale. He expects a large trade for Thanksgiving.

W. F.

PALM BEACH, FLA.—Mrs. H. B. Foster, the well known florist, has taken one of the cottages on the trail near the ocean beach for the coming winter.

MANITOWOC, WIS.—Negotiations are on foot for the purchase of land near the Evergreen cemetery, with a view to building greenhouses thereon. The promoters think the location an ideal one for the purpose, owing to the vicinity of the cemetery.

DAVENPORT, IA.—The monthly meeting of the Tri-City Florists' Association was held November 15 at the home of C. O. Boehm, superintendent at Central park. Roses, carnations and violets were the principal topics discussed and John Temple, one of the judges at the Chicago flower show gave some interesting particulars respecting it.

HOLIDAY SUGGESTIONS

—WILL AGAIN BE—

THE SPECIAL FEATURE

—OF OUR—

CHRISTMAS NUMBER

To Be Issued December 13.

THE PAYING MEDIUM

FOR ADVERTISERS.

NO FICTITIOUS INQUIRIES. **NO WASTEFUL CORRESPONDENCE**

BEST SERVICE—RIGHT RATES.

ADVERTISEMENTS in body pages will be taken at our ordinary rates, namely, $1.00 per inch, $30.00 per page of thirty inches, with the usual discounts on time contracts. On regular front pages and regular back page the price is $30.00 per page on yearly contract.

THE BUYERS READ THAT PAPER WHICH IS BEST WORTH READING.

WHAT OUR PATRONS SAY:

INQUIRIES THAT PAY DIVIDENDS.

AMERICAN FLORIST COMPAMY: Ionia, Mich., September 15, 1906.

Enclosed please find copy for adv., which you will please continue until advised to the contrary. We are more than gratified at the inquiries and orders received, and cannot afford to discontinue, even though we were inclined to do so.

IONIA POTTERY COMPANY.

SAVES BUYERS' MONEY.

AMERICAN FLORIST COMPANY: Fort Smith, Ark., September 22, 1906.

We look forward to the coming of your paper the same as a meal and we save a good deal of money ordering from the advertisements contained therein.

OWEN & HANESWORTH.

The announcement of every regular advertiser appears in Ready Reference Advertising Department

American Florist Co.,

324 Dearborn Street,

CHICAGO.

PLEASE MAIL YOUR ADVERTISEMENT NOW.

"THE PAPER WE READ AND BUY FROM."

Palms, Ferns, Etc.

WHOLESALE PRICE LIST.

	In.	Doz.	100
Asparagus Plumosus	2		$3.00
" "	3		6.00
Asparagus Sprengeri	2		3.00
" "	3		6.00
" "	4	1.50	
" "	5	2.00	

Aspidium Tensemense, 3-in., $1.00 per doz.; $8.00 per 100.
Boston Ferns, 5-in. pots, $3.00 per doz.; 6-in. pots, strong, $6.00 per doz.; 7-in. pots, $9.00 per doz. Larger specimens, $1.50, $2.00 and $3.00 each.
Pteris Argyrea, 3 in., $1.00 per doz.; $8.00 per 100.
Pteris Wimsetti, 3-in., 75c per doz.; $6.00 per 100.

ASSORTED FERNS FOR DISHES

$3.00 per 100; $25.00 per 1000. We have a large lot to offer in best varieties.

Cibotium Schiedei, 5-in., $9.00 per doz.; 6-in., $12.00 per doz.
Dracaena Fragrans, 5-inch pots, 50c each; $5.00 per doz. 6-in. pots, 75c each; $9.00 per doz.; 7-in., $1.00 each; $12.00 per doz.
Dracaena Indivisa. 2-inch pots, $2.50 per 100; 6-inch pots, 20 to 26 inches high, 50c each; $5.00 per doz.; 7-inch pots, 30 to 34 inches high, 75c each; $9.00 per doz.
Dracaena Terminalis, nicely colored, 2-in., $1.25 per doz.; 3-in., $2.00 pet doz.; 6-in., $9.00 per doz.
Maranta Lietzii, 2¼-in., $1.00 per doz.
Pandanus Utiles, 3-in.....per doz., $1.50
" " 4-in.....per doz., 3.00
" " 5-in.....per doz., 5.00
Cocos, for dishes, 2-in.....per doz., 2.00
Cocos Bonetti, large specimens, $40.00 each.

	In.	Each	Doz.
Kentia Belmoreana	3		$ 2.00
Kentia Forsteriana	7	2.00	24.00
" "	7 x	2.50	
" "	7 xx	3.00	

Latania Borbonica, 3-in. $1.50 per doz.; 3½-in., $2.00; 4-in., $3.00; 5-in., $5.00 and 7-in., $12.00 per doz.
Phoenix Canariensis, 2-in.....per doz., 1.00
" " fine bushy plants, 10-in. $2.50 and $3.00 each. Large specimens.
Phoenix Reclinata, 3½-in.....per doz., $2.00
" " 4-in.....per doz., 3.00
Aucuba Japonica, 10-in. pots, 3 ft. high, $1.50 each.
Rhododendrons, 50c and 75c each.
Boxwoods. Pyramids, in tubs, 3 ft., $4.00 each; 4 ft., $5.00 each.
Boxwoods, Bush Form, in tubs, 4 ft., $5.00 each.
" " 1 ft. high, 35c each; $4.20 per doz.; 1½ ft. high., 50c each.

HARDY PERENNIALS.

German Iris, assorted colors, $1.00 to $5.00 per 100 clumps.
Golden Glow (Rudbeckia), $1.00 to $5.00 per 100 clumps.
Boltonia, white and pink, $1.00 to $5.00 per 100 clumps.

The Geo. Wittbold Co.

1657 BUCKINGHAM PLACE. CHICAGO.

GERANIUMS

ROOTED CUTTINGS.

S. A. Nutt, Doyle, Double Grant, Buchner, Gervais, **$10.00** per 1000.

Cash with order.

PETER BROWN,

LANCASTER, PA.

Please mention the American Florist when writing.

CHRYSANTHEMUMS

Clementine Touset, Moneymaker, Jeanne Nonin, Monrovia, white and pink Pacific, white and yellow Bonnaffon, white and yellow Eaton, Mrs. Weeks, Viviand Morel, J. K. Shaw, Alice Byron, Dr. Galloway, Ben Wells, Dr. Enguehard, Col Appleton, Yanoma, Chadwick, etc., **$1.00** per doz.; **$8.00** per 100. Cash with order.

GUNNAR TEILMANN, Marion, Ind.

Please mention the American Florist when writing.

WATCH ☛ PROSPERITY ☚ LOOK

Prepare for Christmas.

PRICES SLAUGHTERED ONE-HALF THE NORMAL.

☞ **THIS IS OUR LAST SLAUGHTER.** ☜

Is it possible to sell an Araucaria Excelsa, 4 years old, 18 to 23 inches high, 5 to 6 tiers, for 75c? YES! Aschmann can do it. Read explanation below.

Prices **never** offered so low in the history of Araucaria cultivation. Why is that? For the simple reason, to obtain room to cultivate our great Easter stock. About 5,000 Araucarias, with an immense lot of Palms, Ferns, Azaleas, Rubbers, Begonia Gloire de Lorraine, etc., must be sold by Christmas.

☞ Please take notice. In all the Araucarias only spring importations are offered: raised in pots all summer, and can be shipped any distance safely without drooping.

ARAUCARIA EXCELSA

There is no home complete without an Araucaria. 5½ to 6-in. pots, 18 to 23 in. high, 5 to 6 tiers, 4 years old, 75c; 6-in. pots, 23to 25 in. high, 5, 6 to 7 tiers, 4 years old, $1 00; 6 to 7 in. pots, 25 to 30 in. high, 5, 6 to 7 tiers, 4 years old, $1.25; 7-in. pots, specimen plants, from $1.50, $1.75 to $2.00 each.

ARAUCARIA COMPACTA ROBUSTA—have several thousand of them; can supply all wants. These plants were never so fine in shape and condition as this year. The pet of the greenhouse; as broad as long. 6-in. pots, 3 tiers, 12 to 14 and 16 to 18 in. high, same wide, 3 years old, $1.00 to $1.25 each; 6 to 7 in. pots, 4 to 5 tiers, 18 to 20 and 22 to 25 in. high, same wide, 4 years old, $1 50 to $1.75 each; 7-in. pots, specimen, 6 to 7 tiers, and 25 to 30 in. high, same wide, 5 years old, $2.00 to $2.50 each.

ARAUCARIA EXCELSA GLAUCA—this variety on account of its beautiful green-bluish tiers, dwarf habit, fine compact shape, gives it a striking appearance, and anybody seeing the plants must undoubtedly fall in love with them at sight. 6-in. pots, 3 tiers, 14 to 16 and 18 to 20 in. high, same wide, 3 years old, $1.00 to $1.25 each; 6 to 7 in. pots, 4 to 5 tiers, 20 to 25 and 25 to 30 in. high, same wide, 4 years old, $1.50 to $1.75 each; 7 in. pots, specimen, 5 tiers, 30 to 35 in. high, same wide, 5 years old, $2.00 to $2.50 each.

All these plants are as broad as long; the finest you have ever seen.

Aschmann's Ever-Prosperous Greenhouses Now Great Slaughter Houses.
HAVE NO MERCY, DOWN GO THE PRICES.

NO SCARCITY OF KENTIA PALMS.

Can meet all wants cheaper than ever.

KENTIA FORSTERIANA, 7-in. pots, made-up plants, 1 large size, about 45 to 48 in. high in the center, and 3 smaller sizes, 25 x 30 in. high around, which gives them a good appearance, $2.00 to $2.50 each; 6-in. pots, single plants, 36 to 45 in. high, 5 to 6 good leaves, 4 years old, $1.25, $1.50 to $1.75 each; 6-in. pots, 32 to 36 in. high, 5 to 6 good leaves, 4 years old, $1.00 each; 5½ to 6 in. pots, 4 years old, 30 in. high, 5 good leaves, 4 years old, 75c; 4-in. pots made-up plants, 3 plants in a pot, 18, 20 to 25 in. high, 25c, 30c to 35c each.

ARECA LUTESCENS, 5-in. pots, 24 in. high, made-up with 3 plants, 35c; 4-in. pots, 20 to 24 in. high, made-up with 3 plants, 25c.

ARECA SAPIDA, just imported from Belgium, something new, very attractive, looks like Kentia, 25 in. high, 50c.

COCOS WEDDELLIANA, 15c.

ASPARAGUS PLUMOSUS NANUS, 4-in. pots, large, bushy, 10c to 12c.

ASPARAGUS SPRENGERI, 4-in., 10c.

FICUS ELASTICA, or **Rubber Plant,** 6 in. pots, 25 to 30 in. high, 40c to 50c each.

FERNS, all raised in pots and not on benches as follows:

NEPHROLEPIS BARROWSII, 7 in. pots, as big as a bushel basket, 75c to $1.00 each; 6-in. pots, large, ready for 7-in., 50c; 5½-in., 40c; 5-in., 35c; 4-in., 25c.

NEPHROLEPIS SCOTTII, 8-in., as big as a washtub, worth $2.00, now $1.25; 7-in., as big as a bushel basket, worth $1.25, now 75c; 6-in., 50c; 5½-in., 40c; 4 in., 20c.

NEPHROLEPIS ELEGANTISSIMA, 5-in. pots, 30c.

BOSTON FERNS, 7-in., very bushy, only 75c; 6-in., 50c or $5.00 per doz.; 5-in., 30c to 35c; 4-in., 20c

FERNS—A fine assortment of Ferns for dishes, large, bushy, out of 2½-inch pots, $5.00 per 100

JERUSALEM CHERRIES, (or Solanum), 6 to 7 in. pots, very bushy, full of berries, from $3.00 to to $6.00 per doz.

DRACAENA BRUANTI, (imported), 30 in. high, full of green, waxy foliage from top to bottom; the only Dracaena for parlor, store or house culture, that can stand heat, dust and dirt; 6-in. pots, 50c, $5.00 per doz.

CYCLAMEN, will bloom for Christmas, 4-in. pots, 12c.

CHINESE PRIMROSES, 5¼-in. pots, very strong, in bloom and buds, $2.00 per doz.

HYDRANGEA OTAKSA, only pot-grown is offered, sure success for Easter forcing, 6-in. pots, 25c; 7 to 8-in., 50c.

AZALEA INDICA for Christmas, **all ready forced** in bud and bloom, Deutsche Perle, double white; Simon Mardner, double pink; Vervæneana, double rose variegated, flowers very large. Prices: 50c, 60c, 75c, $1.00, $1 25 to $1.50, cash. In the small sizes mostly white. Some white must be taken with colored. Azaleas for Easter forcing in the best American varieties, pink, white or variegated; 35c, 40c, 50c, 75c, $1.00, $1.25 to $1.50, cash.

BEGONIA GLOIRE DE LORRAINE, 6-in pots, in bloom and bud, for now and Christmas, 50c to 75c each.

BEGONIA FLAMBEAU, sells on sight, 4-in., ready for a shift into 6-in., 20c.

BEGONIA ERFORDII. New Improved, 4-in., 20c. 5¼-in., 25c.

All plants must travel on **purchaser's risk only.** CASH WITH ORDER.

When ordering, say whether the plants should be shipped in the pots or not.

GODFREY ASCHMANN,

IMPORTER AND WHOLESALE GROWER OF POT PLANTS.

1012 Ontario Street, - - PHILADELPHIA, PA.

LOUISVILLE, KY. — The local newspapers claim Jacob Schulz's show November 21-22 was the chrysanthemum event of the year.

CHARLESTON, S. C.—The annual chrysanthemum fair, held November 9 by the ladies of the Presbyterian church, was a decided success, over $100 being netted for the funds. Good flowers were shown both chrysanthemums and roses.

HOUSTON, TEX. — The flower parade held November 16, in charge of Chas. D. Golding, was the most elaborate ever held here, the entries comprising everything from a dog cart to an automobile. All the prizes were in money and the judges were all strangers to the city.

ROOTED CUTTINGS.

Get our prices on the following: **Ageratum,** two kinds, **Verbena, Heliotrope, Vinca** varieg. Bargain.
SHIPPENSBURG FLORAL CO., Shippensburg, Pa.

FOR SALE—'MUMS.

Morton F. Plant, stock plants. $2.00 per doz. Strong plants, in 2½-in. pots, $5.00 per 100.
W. H. LE GIERSE, 4653 Lancaster Ave. PHILADELPHIA.

Queen Beatrice Rose.

Four to one shot. Four times as many flowers as Maid.
F. H. KRAMER, 916 F St., WASHINGTON, D. C
Please mention the American Florist when writing.

CYCLAMEN, LARGE FLOWERING for CHRISTMAS BLOOMING
5-inch, $15.00 per 100; 4-inch, $10.00 per 100; 3-inch, $5.00 per 100, 300 for $10.00.
Primroses, Chinese and Obconica, well budded for Christmas blooming, 4-inch, $6.00 per 100; 3-inch, $3.00 per 100. **Asparagus Plumosus nanus,** 3½-inch, $6.00 per 100, **Cinerarias,** 3-inch, $3.00 per 100.
HILL TOP GREENHOUSES,
15-16 Gray Ave., UTICA, N. Y.
Please mention the American Florist when writing

CARNATION IMPERIAL

Variegated seedling, pink shade similar to Enchantress, and a deeper pink. Flowers 3-4 inches, strong calyx, good stems, early, free and a continuous bloomer.

PINK IMPERIAL.

A sport of Imperial, of a pleasing pink shade that has long been wanted.

My own origination. To be disseminated in 1907. Place your order at once.

PRICES. — Selected cuttings, delivery commencing in December, 1906, **$2.50** per dozen; **$12** per 100; **$100** per 1000; 50 at 100 rates; 250 at 1000 rates. 5 per cent discount for cash with the order.

JOHN E. HAINES, Bethlehem, Pa.
Please mention the American Florist when writing

Stock Chrysanthemums

Wm. Simpson, Polly Rose, Glory of Pacific, Ivory, white and pink, Major Bonnaffon Robt Halliday, Maud Dean, Adelia, Viviand Morel, Lavender Queen, Yellow Jones, Queen, Silver Wedding, Geo. W. Childs, Dr. Enguehard and Alma (Pink Pompon), 75c per dozen; $5.00 per 100.

Asparagus Sprengeri, extra strong.
3-in ..... $ 5.00 per 100
Dracaena Indivisa, strong 3 in..... 6.00 per 100
" " " 4-in..... 12.00 per 100
" " " 6-in..... $ .50 each
Neph. Bostoniensis, strong, 6-in. pots.. .50 each
Scottii, strong, 5-in. pots ..... .35 each
" " " 6-in. pans ..... .50 each
" " " 8-in. pans ..... 1.00 each

All pot grown and good value.
JOHN WALKER, Youngstown, Ohio.

CARNATIONS ROOTED CUTTINGS.

	Per 100	Per 1000
Victory	$6.00	$50.00
Enchantress	2 00	18.00
Lawson (white)	3 00	25.00
Lady Bountiful	3.00	25.00
Boston Market	$1.50	$12.50
Mrs. E. A. Nelson	2.00	15.00
Lawson (pink)	1 50	12.50

Chrysanthemum Stock Plants.

White: Willowbrook, Kalb, Estelle, Wanamaker, Ivory, Robinson. **Yellow:** Appleton, Bonnaffon Halliday. **Pink:** Coombes, McNeice, Enguehard. **60c** per doz.: **$4.00** per 100.
Asparagus Plumosus Nanus, 3 in., $5.00 per 100. **Asparagus Sprengeri,** 2½-in., $2.50 per 100.
E. T. WANZER, Wheaton, Ill

LUDVIG MOSBAEK, Onarga, Ill.

Asparagus **Plumosus Nanus** and **Sprengeri,** 4-inch, $8.00; 3-inch, $5.00; 2¼-inch, $2 50; 2-inch, $2.00 per 100.
Ferns **Boston, Piersoni, Anna Foster** and **Sword,** 2¼-inch and 3-inch, $3.00 and $6.00 per 100· 6-in., $4.00; 8-in., $12.00; 10-in., $25.00 per dozen.
150,000 Cannas, 35 standard, leading var., true to name. Descriptive list and prices mailed free. Send list for special quotations.
50,000 Hardy Perennial Herbaceous Plants, field and pot grown. Write for list.

500,000 VERBENAS

60 Finest Named Varieties.

Rooted Cuttings, 75c per 100; $6.00 per 1000
Plants, $2.50 per 100; $20.00 per 1000.

Our list is the choice from millions of seedlings. Order early.

The floral and plant business of the late Mr. J. L. Dillon will be continued under his name by his executors.

LOUISE H. DILLON, ALICE D. FURMAN } Executors.

J. L. DILLON, Bloomsburg, Pa.
Please mention the American Florist when writing

Poehlmann Bros. Company
MORTON GROVE, ILL.
STOCK 'MUM PLANTS.

WHITE—Kalb, Alice Byron, Robinson, Adelia, White Bonnaffon, Crawford, Timothy Eaton, Chadwick, Merry Christmas, Willowbrook, Wanamaker.
YELLOW—Col. Appleton, Halliday, Yellow Eaton, Major Bonnaffon, Whilldin, Reiman, Merstham Yellow, Sunshine.
PINK—McNiece, Perrin, Enguehard, Maud Dean, Pink Ivory.
RED—Intensity.
$6.00 per 100; **75c** per dozen, for limited time. This stock will have to be moved to make room.
ORDER AS SOON AS POSSIBLE.
Please mention the American Florist when writing.

CHRYSANTHEMUMS.

All Varieties to Suit Everybody.

Send for Preliminary List.

NATHAN SMITH & SON, Adrian, Mich.
Please mention the American Florist when writing

CHRYSANTHEMUMS.

C. Touset and Nonin, the money makers as we have found them, 75c per doz.; $5.00 per 100; Pacific, Estelle, Willowbrook, Halliday, Kalb and Lady Harriet, 60c per doz.; $4.00 per 100. Cash with order.

EGGELING FLORAL COMPANY,
1653 S. Grand Avenue, ST. LOUIS, MO.

—SUPERB—
BOXWOODS.

Just Arrived. Perfectly Shaped.

Bushes for Window Boxes, from top of root ball, 12 to 20 inches high.....$0.75 a pair
24 inches high..... 1.00 a pair
Pyramids, 3 ft. high.....$2.00 and $3.00 a pair
" 4 ft. high..... 3.00 and 4.00 a pair
" 4 ft. 6 in. high..... 5.00 a pair
" 5 ft. high..... 7.00 a pair
Grafted Baby Ramblers on Manetti: nice bushy plants in 3½ and 4-in. pots, ready for early forcing, $15.00 per 100.

ANTON SCHULTHEIS,
19th St. and 4th Ave., College Point, L. I., N. Y.
Please mention the American Florist when writing

WE ARE BOOKING ORDERS FOR
Nephrolepis Amerpohli

The Sensational New Fern.
Awarded Highest Certificate of Merit at the S. A. F. Convention, 1906.
JANESVILLE FLORAL CO, Janesville, Wis.
Please mention the American Florist when writing.

ASPARAGUS PLUMOSUS

Exceptionally fine stock from 3-in. pots, $5.00 per 100.
ASPARAGUS SPRENGERI, from 3½-in. pots $6.00 per 100.
Write for price on large lots.
SCHARFF BROS., Van Wert, Ohio

SPECIAL SALE
'MUM STOCK PLANTS

White—Kalb, Ivory, Mrs. Chadwick, Mutual Friend. **Yellow**—Pennsylvania, Col. Appleton, Golden Age. **Pink**—J. K. Shaw, Murdock, Ivory, Viviand Morel, Liger Indiana. **Red**—The Bard.
GEO. A. KUHL, Pekin, Ill.

"VICTORY"

The best scarlet carnation ever introduced to the trade. It has given universal satisfaction everywhere. We have them in quantity: December 1, or later, delivery.
$6.00 per 100; **$50.00** per 1000.

JENSEN & DEKEMA,
674 W. Foster Ave., CHICAGO.

Le Journal des Roses.

Organ of the French Rosarians.

Published at Paris. Once a month with colored plates.

Subscription $2.70 per Year. Sample Copies Free

ADMINISTRATION DU SUISNES **JOURNAL DES ROSES**

a SUISNES, Brie

a Grisy-Suisnes. (Seine et M FRANCE.

Please mention the American Florist when writing

DAHLIAS.

Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring.

DAVID HERBERT & SON,

Successors to L. K. Peacock, Inc., **ATCO, N. J.**

Please mention the American Florist when writing.

CHRYSANTHEMUM

STOCK PLANTS.

Touset and Nonin, $1.00 per doz.
Lavender Queen, yellow and white Eaton, Liger, Shaw and Monrovia, 75c per doz.
Will exchange for Kalb Pink Ivory and A. Byron.

W. W. COLES, Kokomo, Ind.

Please mention the American Florist when writing.

ROOTED CUTTINGS.

Geraniums and Carnations

Send a list of what you want and how many of each variety, and I will be pleased to quote figures on your complete order.

ALBERT M. HERR, Lancaster, Pa.

Please mention the American Florist when writing.

PRIMROSES.

Obconica Alba and Rosea, $1.50 per 100; $12.00 per 1000.

ASPARAGUS Per 100

Plumosus Nanus, 2¼-in pots, $18.00 per 1000..$2.00
PANSY PLANTS, large flowering, $3.00 per 1000; .50

CASH

JOS. H. CUNNINGHAM, Delaware, O.

Please mention the American Florist when writing

CHRYSANTHEMUMS

AND STOCK PLANTS.

	Per doz.		Per doz.
Rosiere, pink	$1.50	Omega	0.75
Emereter, "	1.00	C. Touset	1.00
Monrovia	.75	Bergman	.75
Merstham yellow	1.00	Willowbrook	.75

ELI CROSS, Grand Rapids, Mich.

Please mention the American Florist when writing.

LARGEST STOCK OF ALL

Belgian Plants.

AZALEAS, ARAUCARIAS, SWEET BAYS, PALMS, BEGONIAS, GLOXINIAS, ETC.

Louis Van Houtte Pere,

GHENT, BELGIUM.

Please mention the American Florist when writing.

Cineraria

Benary, Cannell and **Sutton's** Prize Strains; dwarf or semi-dwarf, large flowers, all shades and colors, mixed, 2¼-in., $2.50 per 100. Cash please.

SHELLROAD GREENHOUSES, Grange, Baltimore, Md.

Please mention the American Florist when writing.

CHRISTMAS NUMBER

December 13. Send advertisements now.

STOCK TO BUY NOW

ASPARAGUS PLUMOSUS NANUS.

We Are Headquarters.

	Per 100	Per 1000
2-in pots, strong, ready for a shift	$3.00	$25.00
2½-in. pots, strong, ready for a shift	4.00	40.00
3-in. pots, strong ready for a shift	7.00	65.00
Strong Seedlings	1.50	12.00

BOSTON FERNS.

Nephrolepis Exaltata Bostoniensis.

We have the finest stock in the west. All our plants are pot-grown, bushy stock, well furnished with fronds from the pot up, and cannot be compared with the cheap, long-drawn-up lifted stock from the bench. A sample shipment will convince you of our superior stock. Stock ready now.

	Each	Per doz.	Per 100
2½-in pot plants		$ 0.60	$ 5.00
3-in. pot plants		1.50	10.00
4-in. pot plants		2.50	20.00
5-in. pot plants	$ .50	5.00	40.00
6-in. pans plants	.75	8.00	60.00
7-in pans plants	1.00	10.00	75.00
8-in. pans plants	1.00	15.00	.....
9-in. pans plants	$2.00 to $2 50	.....	.....
10-in. pans plants	3.00 to 3.50	.....	.....
12-in. pans plants	4.00 to 5.00	.....	.....

ASSORTED FERNS FOR FERN DISHES.

We have a very large stock of all the best Pteris Ferns, 2¼-in. pots, strong and bushy assorted, per 100, $3.00; per 1000, $25.00.

CELESTIAL OR XMAS PEPPERS.

One of the very best of Christmas plants.

	Per doz.	Per 100
Strong plants, 4 in. pots	$2.00	$15.00
Strong plants, 5-in. pots	3.00	25.00

FICUS ELASTICA. (Rubber Plant).

5-inch pots, 12 to 14 in. high.....$5.00 per doz.; $40.00 per 100

RICHMOND ROSES.

3-in. pots strong } semi-dormant	8.00 per 100:	75.00 per 1000
4-in. pots, strong } semi-dormant	12.00 per 100:	100.00 per 1000
KILLARNEY, strong.		
Strong, 3-in. stock } semi-dormant	$ 8.00 per 100:	$ 75.00 per 1000
4-in. } semi-dormant	12.00 per 100:	100.00 per 1000
BABY RAMBLER, 2 year, selected	25.00 per 100	
" " 1-year, "	15.00 per 100	

JERUSALEM CHERRIES.

Extra bushy plants, covered with berries.

5-in. pots	each, 40c: per doz., $3.00
6-in. pots	each, 50c: per doz., 5 00

BEGONIA GLOIRE DE LORRAINE.

Fine plants, now in bloom.

5-in. pans	per doz., $ 9.00
6-in. pans	per doz., 12.00

FERN PTERIS TREMULA.

Strong, 4-in pot plants.....per 100, $10.00

All dormant stock now ready, such as **H. P. Roses, Crimson Ramblers, Hydrangea P. G., Lilacs, Rhododendrons, Azalea Mollis, Deutzias, Clematis, etc., etc.**

VAUGHAN'S SEED STORE,

84-86 Randolph St., CHICAGO. 14 Barclay St., NEW YORK.

Greenhouses and Nurseries: Western Springs, Ill.

A Few Good Things You Want.

Cash with Order.

Dracaena Indivisa, 4 and 5-inch, $10.00 and $25.00 per 100.
Asparagus Plumosus, 2-in., $3.00 per 100. 3-in., $5.00 per 100.
Asparagus Sprengeri, 2-inch, $2.50 per 100.
Geraniums, S. A. Nutt, John Doyle, Perkins, Poitevine and Double Gen. Grant, La Favorite, 2 in. pots, $2.00 Rooted cuttings, $1.00 per 100.
Rex Begonia, nice plants, 2 and 2¼-inch, $5.00 per 100.
Boston Ferns, 5-inch, 30c each.
Pierson Ferns, 5-inch, 50c each.
Vinca Var., 2-in., $2 00 per 100.
Primula Obconica, 2-in., $2.00 per 100.
Gladiolus, blooming buds, extra fine mixture, to close out while they last, 60c per 100; $5.00 per 1000.

GEO. M EMMANS, NEWTON, N. J.

ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the

"Horticultural Advertiser"

This is the British Trade Paper, being read weekly by all the Horticultural traders; it is also taken by over 1000 of the best continental houses. Annual subscription to cover cost of postage 75c; Money orders payable at Lowdham, Notts.

Address **Editors of "H. A."**

Chilwell Nurseries, LOWDHAM, Notts, England

THE CHRYSANTHEMUM MANUAL.

By Elmer D. Smith.

NEW AND REVISED EDITION.

PRICE 40 CENTS.

Cash with order.

American Florist Co.,

324 Dearborn St., CHICAGO.

BOOKS FOR THE HOLIDAYS.

The time is coming along when these are needed and opportunity at hand for reading them. Every one of the following should be in your library. **Send prices quoted and we send the books.**

PRACTICAL FLORICULTURE (Peter Henderson).—A guide to the successful propagation and cultivation of florists' plants. Illustrated. 325 pages. $1.50.

FUMIGATION METHODS (Johnson).—A practical treatise on cheap and effective means of destroying insect pests. Handsomely bound and profusely illustrated. 250 pages. $1.00.

STEAM HEATING FOR BUILDERS (Baldwin).—Contains valuable data and hints for steam fitters and those who employ this method of heating. The 350 pages are fully illustrated. $2.50.

MANUAL OF THE TREES OF NORTH AMERICA (Sargent).—The most complete and authentic work on the subject. The pages number 826, with over 600 illustrations. $6.00.

DWARF FRUIT TREES (F. A. Waugh).—Their propagation, pruning and general management, adapted to the United States and Canada. It has 45 illustrations and 123 pages. 50 cents.

CHRYSANTHEMUM MANUAL (Smith).—By an expert who has given his undivided attention for twenty years to the improvement of the chrysanthemum and its culture in detail. Profusely illustrated. 40 cents.

GREENHOUSE CONSTRUCTION (Taft).—It tells the whole story about how to build and heat a greenhouse, be it large or small, and that, too, in a plain, easily understood, practical way. It has 118 illustrations. $1.50.

HEDGES, WINDBREAKS, ETC. (Powell).—A treatise on the planting, growth and management of hedge plants for country and suburban homes. A volume of 140 pages, with twenty-two illustrations. 50 cents.

GINSENG (Kains).—At the present time, when so much interest is taken in ginseng, it will be interesting to peruse this volume, which tells all about the plant in a way that all may understand. The 144 pages are freely illustrated. 50 cents.

THE BOOK OF MARKET GARDENING (R. Lewis Castle).—One of a series of handbooks of practical gardening. Shows the methods adopted by many growers who have made commercial gardening a highly successful business, based upon experience and observation in Great Britain and Europe. Illustrated. $1.

THE CULTURE OF WATER LILIES AND AQUATIC PLANTS (Henderson).—Growers of hardy and tender water lilies and other aquatics will find this an excellent guide in cultural and descriptive matters. The lists of varieties have been very carefully prepared. Handsomely illustrated. 50 cents.

HOW TO MAKE MONEY GROWING VIOLETS (Saltford).—This is by a practical grower who has made a success of the business. No grower of violets can afford to be without it. 25 cents.

THE ROSE.—Its cultivation, varieties, etc. (H. B. Ellwanger).—A complete guide of the cultivation of the rose, together with the classification of all the leading varieties. $1.25.

HOW TO GROW CUT FLOWERS (Hunt).—The only book on the subject. It is a thoroughly reliable work by an eminently successful, practical florist. Illustrated. $2.00.

THE PRINCIPLES OF FRUIT GROWING (Bailey).—The entire subject of fruit culture is treated very thoroughly in this illustrated volume of 516 pages. It is a book that no up-to-date fruit grower can afford to be without. $1.25.

HEATING AND VENTILATING BUILDINGS. (Carpenter).—This book covers the entire subject most fully. In the preparation of heating and ventilating plans it will be found a most valuable guide. $4.00.

THE BOOK OF CUT FLOWERS (R. P. Brotherston). — A complete guide to the preparing, arranging and preserving of flowers for decorative purposes. Handsomely illustrated. 300 pages. $1.50.

CELERY CULTURE (Vaughan).—The important subject of celery culture is thoroughly covered in this illustrated pamphlet of 59 pages. The florist raising young plants of celery and those who grow the plants to maturity will alike find it valuable. 50 cents.

CABBAGES, CAULIFLOWER AND ALLIED VEGETABLES (Allen).—The requirements of the important vegetables of the cabbage tribe are given here very fully. The book also contains interesting chapters on seed raising, insects, pests and fungus diseases common to these plants. 50 cents.

ASPARAGUS (Hexamer).—A practical treatise on the planting, cultivation, harvesting and preserving of asparagus, with notes on its history and botany. This book is mainly devoted to the culinary kind of asparagus, but there is also some reference to the ornamental species. 50 cents.

MUSHROOMS: HOW TO GROW THEM (Falconer).—The only American book on the subject, 29 illustrations. Written by a practical mushroom grower, who tells the whole story so tersely and plainly that a child can understand it. This book has increased mushroom growing in this country three fold in three years. $1.50.

THE AMERICAN CARNATION (C. W. Ward).—A complete treatment of all the most modern methods of cultivating this most important flower. Illustrated. $3.50.

LAWNS AND HOW TO MAKE THEM (Leonard Barron).—A very useful and practical work, thoroughly covering the subject of which it treats. Illustrated. $1.10.

THE HORTICULTURISTS' RULE-BOOK (L. H. Bailey).—Contains information valuable to all those engaged in any branch of horticulture. Illustrated. 312 pages. 75 cents.

THE GOLDFISH (Mulertt).—A number of florists find goldfish an attractive and paying addition to their business. The best advice is given in every department of the subject, including construction and care of the parlor aquarium, in this volume of 160 pages, handsomely illustrated. $2.00.

LANDSCAPE GARDENING (Maynard).—The development of landscape art within the past few years compels the wide awake florist to keep posted on this branch of the business. The many suggestions of this book will be found helpful every business day. It contains 338 pages, 165 illustrations. $1.50.

SUCCESS IN MARKET GARDENING (Rawson).—Written by one of the most prominent and successful market gardeners in the country, and who has the large t glasshouses for forcing vegetables for market in America. Outdoor and indoor crops are treated. Illustrated, $1.00.

THE VEGETABLE GARDEN (Vilmorin-Andrieux).—The best and most complete book on vegetables ever published. There are 782 pages and hundreds of illustrations in this English edition, edited by Wm. Robinson, the noted English horticultural writer. $6.00.

THE ORCHARD AND FRUIT GARDEN (Powell).—One of the most complete works we have seen on this subject for a considerable period. It is divided into three parts, the orchard, the fruit garden and cultural directions. The volume is well illustrated and the author is a practical man who knows his subject. The book contains 321 pages. $1.50.

LANDSCAPE GARDENING (Waugh).—This is a very useful little book on the art of landscape gardening. It will be found exceptionally valuable to amateurs, as it covers in detail the numerous problems that come to the owners of small gardens. It is freely illustrated and the pictures have been chosen with a view to informing the reader rather than decorating the book. 50 cents.

AMERICAN FLORIST COMPANY,

324 Dearborn Street, CHICAGO.

Cleveland, O.

THE MARKET.

The market the past week has been cleaned up at all times, with a stiff demand for all kinds of A No. 1 stock. Carnations still remain scarce. Violets have a good call for so early in the season. Good chrysanthemums are becoming scarce and from indications Thanksgiving day will about finish them. Roses are coming in very fine but the demand for them is still light.

NOTES.

James Eastwell has returned to active business at Smith & Fetters again after having had a three months' vacation. All hands will be pleased to hear of his return.

A. Graham & Son are in their new store at the corner of Fifty-fifth street and Euclid avenue, and it is now one of the finest stores in the city.

It is with regret that we learn of the death of Mrs. Wm. Lee, wife of Wm. Lee, of Bedford, one of the oldest florists in this section.

Simon Anderson is sending in a fine cut of Enchantress carnations to The Cleveland Cut Flower Co.

The J. M. Gasser Co. had a handsome window display of novelties in baskets the past week.

A. M. Coe has been sending in the finest Maj. Bonnaffon chrysanthemums seen in this market.

OHIO.

Pittsburg.

STOCK SCARCE.

At this writing, before Thanksgiving, the usual scarcity of stock prevails. Chrysanthemums, which have been so plentiful during the past, are now quite scarce. Carnations still continue scarce. American Beauty is in very short supply. Other roses are also shortening up considerably. Quantities of stevia are to be seen. Green goods are quite plentiful. Paper White narcissus is arriving in quantities.

NOTES.

Patrick Maier, of Millvale, is sending the Florists' exchange some nice long Roman hyacinths.

Jos. Thomas, of Greensburg, was a caller twice during the week.

H. L. Wilson, of Washington, dropped into town Saturday.

Randolph & McClements report a very busy week. J.

MIDDLETOWN, N. Y.—The greenhouses on the Haskell place were sold by J. E. White November 15.

THE ART OF

Floral..... Arrangement.

The first special newspaper in the world for floral arrangement.

250 ILLUSTRATIONS ANNUALLY.

Specimen number free.
Subscription, $2.40 yearly.

BINDEKUNST-VERLAG,
J. Olbertz, ERFURT, GERMANY.

GERANIUMS 2½in. Pots, Ready for Immediate Delivery

Alliance. Lemoine 1905. Hybrid, Ivy and Zonal, semi-double, lilac white, upper petals feathered and blotched crimson maroon. 25c each; $2.00 per doz.

Fleuve Blanc, the semi-double Bruant that promises to become the standard white, flowers and foliage equal to Alph. Riccard. $1.50 per doz.; $10.00 per 100.

Double Dryden, $1.00 per doz.; $5.00 per 100.

Cactus Geraniums, four varieties, petals curled and twisted similar to the Cactus Dahlia. $2.00 per doz.; $15.00 per 100.

S. A. Nutt, La Pilote, Beaute Poitevine, Mme. Barney, Centaur, Miss Kendall, Mme. Jaulin, Jean Viaud, Mme. Charotte. 40c per doz.; $2.00 per 100; $18.00 per 100.

Ville Poitiers, Marquise de Castellane, Berthe de Persilly, M. Jolly de Bammeville, Thos. Meehan. 50c per doz.; $3.00 per 100; $25.00 per 1000.

Send for Geranium Catalogue. Let us figure on your future supply.

	Per 100	1000
Alternanthera, red and yellow	$2.00	15.00
Hardy English Ivy	2.00	15.00
Smilax	2.00	15.00

A cordial invitation is extended to all interested in horticulture to visit us. Cowenton station, Philadelphia division, B. & O. R. R., 12 miles north of Baltimore.

R. VINCENT, JR. & SON, White Marsh, Md.

Please mention the American Florist when writing.

Directory of Gardeners
—AND—
Estates Employing Gardeners
—IN THE—
UNITED STATES and CANADA.

Price $5, Cash With Order.

AMERICAN FLORIST CO. 324 DEARBORN ST., ...CHICAGO.

BEST ENGRAVINGS and ILLUSTRATIONS
—Of Every Description—
FOR CATALOGUES.
SEE OUR WORK IN THIS PAPER. SEND FOR ESTIMATES.
GLOBE ENGRAVING and ELECTROTYPE CO.
407-427 Dearborn St., CHICAGO.

BERTHA RATH
CARNATION.
FERNS, PALMS,
ARAUCARIA EXCEL.,
ASPIDISTRA,
Green and Variegated.
BAY TREES and PRIVET,
Fine, Strong Stock.
R. DREYER, WOODSIDE, L. I., N. Y.

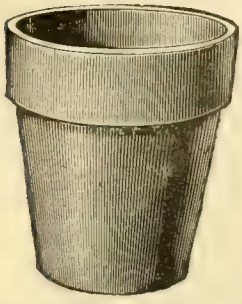
SPECIALTIES.
ROSES, from 3-inch pots. CHRYSANTHEMUMS.
CARNATIONS, for fall delivery. SMILAX. VIOLETS.
IN BEST VARIETIES.
Prices low. Send for list.
WOOD BROTHERS, Fishkill, N. Y.

GOV. HERRICK THE COMING VIOLET
One that produces three times as many flowers as any violet ever offered for sale. It will please you. Order at once. Prices: $2.00 per doz.; $10.00 per 100; $75.00 per 1000; 5,000 or more at $60.00 per 1000. Send for description today.
H. R. CARLTON, Willoughby, O.
INTRODUCER and ORIGINATOR.

MABELLE, New Pink Carnation for 1907.
Color—A peculiar shade of lovely pink, with a faint yellowish cast; several shades lighter than the Lawson. Unlike most pinks, the brightest sun does not injure the color. Size—3 to 4 inches in diameter when established. Odor—Pleasing, but not strong. Stems—Invariably strong, but always graceful, ranging from 12 to 30 inches during the season. Habit, etc.—A very quick, active grower, making specimen plants in a short time, even from late cuttings. On account of its rapid growth, requires supporting very soon after benching. Gets away rapidly, blooms early and gives long stems right from the start. Productiveness—Prodigious is the best word we know of to use here. It is the most incessant bloomer, early and late, we have ever grown. Stock limited. Delivery January 5 to 10 and later. Price, $12.00 per 100, $100.00 per 1000.
THE H. WEBER & SONS CO., Oakland, Md.

Please mention the American Florist when writing.

Now is the Time
to Subscribe to the
Horticultural Trade Journal
Published weekly. The Largest Brightest, and Best British Trade Publication. Also
THE INTERNATIONAL EDITION
Published quarterly. Annual subscription for weekly and quarterly numbers, One dollar, (International money order). Subscribe to-day and keep in touch with European markets and topics.
THE HORTICULTURAL PRINTING COMPANY
BURNLEY, ENGLAND.

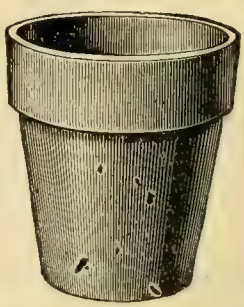


The Whilldin Pottery Co.

STANDARD FLOWER POTS

Our output of Flower Pots is larger than any concern in the World
Our Stock is always Large and Complete

Main Office and Factory,
713 WHARTON STREET, PHILADELPHIA
WAREHOUSES: JERSEY CITY, N. J. LONG ISLAND CITY, N. Y.



POT MAKERS FOR 140 YEARS
A. H. HEWS & CO. INC.
CAMBRIDGE, MASS.
FLORISTS' WARE OF EVERY KIND

Clipper Lawn Mower Co. DIXON, ILL.

The Mower

that will **kill all the weeds in your Lawn.** If you keep the weeds cut so they do not go to seed and cut your grass without breaking the small feeders of roots, the grass will become thick and the weeds will disappear.

The Clipper will do it. Ask your dealer for them. If they have not got them, below is the price: No. 1—12-inch Mower, $5; No. 2—15-inch Mower, $6; No. 3—18-inch Mower, $7; No. 4—21-in. Mower, $8. Send draft money-order or reg. letter.

THE BEST Bug Killer and Bloom Saver.

For **PROOF** Write to

P. R. PALETHORPE COMPANY,
LOUISVILLE, KY.

GEO. KELLER & SON,
MANUFACTURERS OF
FLOWER POTS.
Before buying write for prices.
361-363 Herndon Street, near Wrightwood Ave.,
CHICAGO, ILL.

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

THE KELLER POTTERY COMPANY,

Manufacturers of FLORISTS' RED STANDARD POTS.

Azalea Pots, Bulb and Fern Pans, Etc.

Write for Price List. 213-15-17-19-21-23 Pearl St., **NORRISTOWN, PA.**

IONIA POTS.

STRONG POROUS DURABLE

In potting you will appreciate their smooth, well rounded edges. And this is but one of the many reasons why **IONIA POTS,** by superior merit alone have won a lasting place in the hearts of all our patrons. Remember us with your next order.

IONIA POTTERY COMPANY, Ionia, Mich.

Standard Flower Pots!

Packed in small crates, easy to handle.

		Price per crate			Price per crate
1500	2-in., in crate,	$4 88	120	7-in., in crate,	$4 20
1500	2¼ "	5.25	60	8 "	3.00
1500	2½ "	6.00		HAND MADE.	
1000	3 "	5.00	48	9-in., in crate,	$3.60
800	3½ "	5.80	48	10 "	4.80
500	4 "	4.50	24	11 "	3.60
320	5 "	4 51	24	12 "	4.80
144	6 "	3.16	12	14 "	4.80
			6	16 "	4.50

Seed pans, same price as pots. Send for price list Cylinders for Cut Flowers. Hanging Baskets, Lawn vases, etc. Ten per cent off for cash with order. Address

HILFINGER BROS. POTTERY, Fort Edward, N. Y
or AUGUST ROLKER & SONS, New York Agents.
31 Barclay Street, New York City.

Please mention the American Florist when writing.

CUT FLOWER BOXES

WATERPROOF Corner Lock Style.

The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always.

Size No.		Per 100	Per 1000
0.	3x 4x20	$2.00	$19.00
1.	3x 4½x16	1.90	17.50
2.	3x 6x18	2.00	19.00
3.	4x 8x18	2.50	23.00
4.	3x 5x24	2.75	26.00
5.	4x 8x22	3.00	28.50
6.	4x 8x28	3.75	36.00
7.	6x16x20	5.50	54.00
8.	3x 7x21	3.00	28.50
9.	5x10x35	6.50	62.00
10.	7x20x20	9.50	67.50
11.	3½x5x30	3.00	28.50

Sample free on application. No charge for printing on orders above 250 boxes. Terms cash.

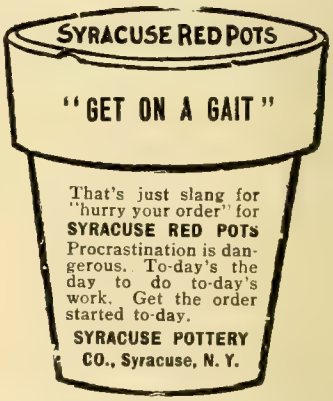
THE LIVINGSTON SEED COMPANY,
Box 104, COLUMBUS, OHIO.

Kramer's Pot Hangers

For Sale by Wholesale Seedsmen, Florists and Supply Dealers.

Price, $1.00 per dozen by express. Sample dozen by mail, $1.25.

L. N. Kramer & Son, CEDAR RAPIDS, IOWA.



Those Red Pots

"STANDARDS"

FULL SIZE AND WIDE BOTTOMS, BULB PANS AND AZALEA POTS.

DETROIT FLOWER POT M'F'Y.

HARRY BALSLEY, Rep. DETROIT, MICH. 490 Howard St.

Red Standard Flower Pots

Price list and samples on application.

PADUCAH POTTERY CO., Inc.
PADUCAH, KENTUCKY.

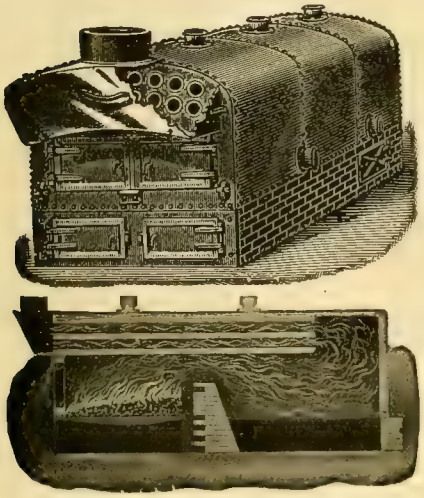
L. BAUMANN & CO.,

Importers and Manufacturers of
Florists' Supplies

76-78 Wabash Ave., CHICAGO.

Write for our New Catalogue F. Our prices may interest you.

KROESCHELL BROS. CO.
IMPROVED
Greenhouse Boiler
45 Erie Street, CHICAGO.



Boilers made of Steel Boiler Plate; shell, firebox sheets and heads of steel; water space all around front, sides and back. Write for information.

Please mention the American Florist when writing.

FOR SALE

GLASS New American. 50 sq. ft. to the box. 10x12 single $1.75 per box; 10x12, 12x12, 10x15, double, $2.55 per box; 12x14, 12x20, 14x14, 14x20, double, $2.70 per box; 16x16, 16x18, double, $2.90 per box; 16x24, double, $3.15 per box; 16x20 and 16x22 $3.00 per box. Secondhand, 8x12, single, at $1.50 per box; 10x14, old, double, $1.75; 8x14, old, double, $1.65.

GARDEN HOSE New, ¾-in, guaranteed 100-lbs pressure, 7½c. per ft; ¾-in. not guaranteed, 4¾c. per ft.

HOT-BED SASH New Cypress, 3ft. x6ft. from 75cts. up; glazed, complete, from $1.60 up; Second-hand, in good condition, all glass in, at $1.25 and $1.00 each.

PIPE Good serviceable second-hand, with threads; 2-inch, 7 cts.; 1¼-inch, 5½ cts; 1¼-inch, 4cts.; 1-inch, 3cts-; 2½-inch, 10cts; 3-inch, 14cts.; 4-inch, 19cts. New 2-inch, Standard, full lengths, with couplings, 8½cts. per ft. Old and new fittings and valves.

Get Our Prices on

Boilers, Pumps, Stillson Wrenches, Stocks and Dies, Pipe Cutters, Pipe Vises, Cypress Material, Etc.

METROPOLITAN MATERIAL CO.

1398-1408 Metropolitan Avenue, BROOKLYN, N.Y.

Please mention the American Florist when writing.

NIKOTEEN APHIS PUNK

THE ORIGINAL AND GENUINE

NICOTINE FUMIGANT

STRONGEST AND MOST UNIFORM

PRICE 60¢ PER BOX OF 12 LONG SHEETS $6.50 PER CASE OF 12 BOXES

NIKOTEEN LIQUID

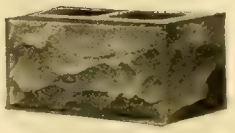
FOR SPRAYING OR VAPORIZING

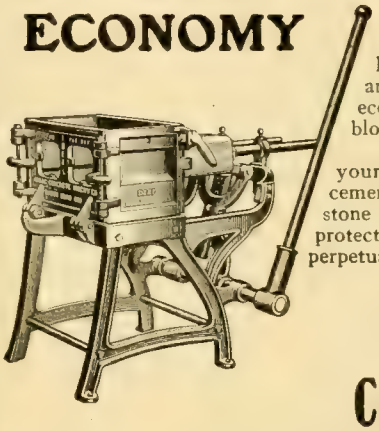
PRICE $1.50 PER PINT BOTTLE. $13.00 PER CASE OF 10 PINT BOTTLES.

NICOTINE MFG. CO. ST. LOUIS MO.

Please mention the American Florist when writing.

FROST-PROOF ECONOMY





Ideal Hollow Concrete Block construction will protect your greenhouse from frost and secure greatest economy in fuel. The illustration of hollow block explains it's resistance to frost.

With the Ideal Concrete Machine you can yourself make these blocks from sand, gravel and cement at little cost—far below the cost of brick, stone or lumber. Ideal Blocks not only give frost protection, but are absolutely fire-proof, and effect a perpetual saving in insurance.

IDEAL
Concrete Machines

May be operated by any man without previous experience. The process of making blocks is simple as making mortar. Blocks for every building purpose, with plain, tooled, ornamental face or natural stone effect made with the same machine. Simple, durable and adaptable to any size block within capacity.

Our catalogue will show you how to secure frost protection and fuel economy, as well as initial saving over cost of other materials. Write for it and it's freely yours.

IDEAL CONCRETE MACHINERY CO., Dept. Y, South Bend, Ind.

W. H. C. MUSSEN & CO., Montreal, Canada, Sole Agents for Canada.

NICHOLAS WAPLER,

50 Barclay St., NEW YORK,

Manufacturer and Importer

TERRA COTTA

Grass Growing Heads and Animals

in different sizes and designs.

FISH GLOBES, FISH TANKS, AQUARIA,

FRENCH GLASS SHADES, round, oval and square, for covering statues, flowers, clocks and all kinds of ornaments.

Write for catalogue and prices.

IMPORTED HYACINTH GLASSES, Tall and Tye's Shape; Assorted Colors.

Please mention the American Florist when writing

THE LOW PRICE HEATING PLANTS

The Chicago House Wrecking Co. is in position to offer you an interesting proposition for furnishing you with a heating plant at a saving of at least 30%. Send us a sketch of your houses with preferred location of the boiler, the points of compass and the desired night temperature for zero weather, and we will gladly submit you an exact detail quotation of all material required to install the plant. We have ***heaters*** and ***boilers*** of every kind, both new and rebuilt. We have always on hand a large number of rebuilt boilers suitable for greenhouse heating. Our stock embraces ***fire box boilers, horizontal tubular boilers, Kroeschell boilers, cast iron sectional boilers, Erie City economizers*** and other types.

We can save you considerable money on ***pipe, valves*** and ***fittings;*** also on ***doors, glass, sash*** and everything needed in the construction of your buildings.

Ask for our Special Catalogue No. 47.

CHICAGO HOUSE WRECKING CO.,

35th and Iron Streets, CHICAGO.

Please mention the American Florist when writing.

GREENHOUSE HEATING

Complete heating plants erected or materials furnished with working plans. Write for prices on **BOILERS.**

JOHNSTON HEATING COMPANY,

St. James Building, 1133 Broadway, NEW YORK

HASCO LIQUID NICOTINE

FOR SPRAYING AND VAPORIZING.

18% Stronger Than Any Made.

Pts., $1.35 Half Gal., $5.25. Gal., $10.00

THE H. A. STOOTHOFF CO., 116 West St., NEW YORK.

Index to Advertisers.

Adv rates.....892
Advance Co The....920
Allen J K 913
Amling E C.....898
Andorra Nurseries...908
Appel Conrad 907
Aschmann Godfrey..913
Atlanta Floral Co...905
Austin H.....896
Barrows Henry & Son901
Bassett & Washburn 899
Baumann L & Co....918
Beaven E A.....897
Beckert W C.....907
Benthey-Coatsworth Co.....898
Berckmans P J Co. 908 909
Berning H G.. ... 901
Bertermann Bros Co.904
Blackistone Z D.....905
Boddington A T 907
Boland J B Co.....905
Brant S D.....905
Breitmeyer's J Sons.904
Brown Peter.....913
Bruns H N 906
Budlong J A.... 898
Burpee W A & Co... II
Byer Bros.....905
Caldwell the Woodsman Co.....897
Carlton H R.....917
Carmody J D.....920
ChicagoCarnationCo I
Chicago House Wrecking Co.....919
Cleveland Cut Flo Co905
ClipperLawnMower Co.....918
Coles W. W.....915
Cooke Geo H.....904
Cotsonas Geo & Co..903
Cottage gardens.....909
Cowee W J.....920
Craig Robert Co.....911
Cross Eli.....915
Cunningham Jos H..915
Daniels & Fisher....904
Davis Bros.....905
Deamud J B Co.....899
DetroitFloPotMfy...918
Dietsch A Co.....111
Diller Caskey & Co..920
Dillon J L.....914
Dingee&ConardCo..907
Donohoe W H.....904
Dorner F & Sons Co I
Dreer H A.....III 910
Dreyer R.....917
Dumont & Co.....897
Dunford J W.....905
Eberman C W.....903
Edwards Fold'g Box.918
Eggeling Floral Co..914
Elliott Wm H 901
Emmans Geo M.....915
Eyers H G.....905
Fellouris A J 903
Fischer R.....909
Florists'HailAss'n...920
Flower Growers Co. 898
Foley Mfg Co.....111
Ford Bros.....903
For Sale and Rent...892
Froment H E 903
Garland Geo M.....928
Garnsey M V.....928
Giblin & Co.....IV
Globe Eng Co.....917
Gude A & Bro.....904
Gullett W H & Sons905
Gundestrup K & Co . II
Gurney Heater Co...IV
Guttman Alex J.....903
Haines John E 914
Hansen M A 904
Harris Wm K.....905
Hartman Hjalmar...907
Hauswirth P J.....904
Heller & Co.....906
Henshaw A M.....903
Herbert D & Son....915
Herr Albert M.....915
Herrmann A.....928
Hess & Swoboda....904
Hews A H & Co.....918
Hilfinger Bros.....918
Hill The E G Co.... I
Hilltop Grhs.....914
Hippard E.....111
Hitchings & Co. IV
Holm & Olson.....904
Holton& Hunkel Co.901
Hooker H M Co.....III
Hort Advertiser 915
Hubbs Henry L 897
Hunt E H.....898
Ideal Concrete Mach Co.....919
Igoe Bros.....928
Ionia Pottery Co 918
Isbell S M & Co..... II
Jackson&PerkinsCo.909
Janesville Floral Co.914
Jensen & Dekema...914
Johnston Heating Co919
Kaempfer Fred.....III
Kasting W F..... I
Keller Geo & Son...918
Keller J B & Sons...905
Keller Pottery Co...918
Kellogg Geo M.....904
Kennicott Bros Co..898
Kervan Co The.....903
Kessler P.....903
KingConstructionCo928
Klehm's Nursery ...909
Kramer F H.....914
Kramer I N & Son.. 918
Kuhl Geo A.....905 914
Kroeschell Bros Co.919
Kuehn C A..... 901
Lager & Hurrell.....902
Lake Wm B.....920
Lange A.....904
Langjahr A H 903
Lecakes N & Co.....903
LeGreise W H.....914
Leedle Floral Co....909
Livingston Seed Co. 904 918
LocklandLumb'rCo.928
Lord & Burnham Co.IV
Matthews. Florist...905
McCullough's J M Sons Co.....901
McKellar Chas W...898
McKissick W E.....901
Mayberry & Hoover.904
Metropolitan Mat Co919
Mich Cut Flower Ex.897
Miller Theo.....905
Mills the Florist.....904
Moninger J C Co....928
Moon The Wm H Co.908
Moore Hentz&Nash.903
Morse C C & Co.....906
Mosbaek L.....914
Murdoch J B & Co..901
Murray Samuel.....904
Myers & Co..... 920
Natl FloBd of Trade.920
N Y Cut Flower Ex .903
Nicotine Mfg Co.....919
Niessen Leo Co 901
Niuffer C M.....909
Northern Mich Evg Nursery.....897
Olbertz J.....917
Pacific Seed Co..... II
Paducah Pottery 918
Palethorpe P R Co..918
Palmer W J & Son..904
Park Floral Co.....904
Pennock Meehan Co900
PerennialGardensCo909
Perfection Chem Co.III
Peterson's Nursery. 909
Pierson F R Co....I 907
Pierson U Bar Co....928
Pittsburg Cut Flo Co897
Pittsburg Florist Ex901
Poehlmann Bros Co 898 914
Pollworth C C Co.....904
Purnell W Z.....897
Quaker City Machine Works.....928
Randall A L Co.....905
Rawson W W & Co. II
Raynor J I.....902
Regan Print House..928
Reinberg Peter..895 898
Reynolds G F.....III
Rhodes Mfg Co.....920
Rice Bros.....897
Rice James H Co....III
Robinson H M & Co. 896 897
Roehrs Julius Co.....903
Sander & Son 903
Satler L L Lumb'r Co.III
Scharff Bros.....914
Scheiden & Schoos..898
Scherer John P.....903
Schillo Adam.....920
Schultheis Anton....914
Schulz Jacob 905
Schroeder J.....927
Seligman Jno.....903
SharpPartridge&Co 928
Shearer The Florist.905
Shellroad Grhs.....915
Sheridan W F.....903
Shippensburg FloCo.914
Siebrecht & Son.....903
Silliman A B & Co..896
Sinner Bros. 898
Skidelsky S S.....901
Smith Wm C.....896
Smith Nathan & Son.914
Smith W & T Co.... I
Smits Jacs.....909
Standard Pump & Engine Co.....IV
Staer J.....907
Stearns Lumber Co.. IV
Stenzel Glass Co....III
Stern J & Co.....III
Stokes Seed Store...906
Stoothoff H A & Co.919
Storrs & Harrison Co909
Styer J J.....907
Syracuse Pottery Co.918
Taylor F G Seed Co. II
Teilmann Gunnar...913
Texas Seed & FloCo907
Thompson J D Carnation Co..... I
Thorburn J M & Co. II
Totty Chas H ...894 903
Traendley & Schenck903
VanHoutte PereSons915
Vaughan & Sperry...898
Vaughan's Seed Store .....I II 897 915
Vick & Hill Co.....909
Vick's Sons Jas..... II
Vincent R Jr & Son..917
Virgin U J.....904
Walker John.....914
Wanzer E F.....914
Wapler Nicholas....919
Ware Thos S.....909
Weber F C.....904
Weber H & Sons....917
Weeber & Don..... II
Weiland & Risch....898
Welch Bros..... 901
Whilldin Pot Co.....918
Wietor Bros.....895 898
Wild Gilbert H.....909
Wilson Andrew III
Wilson Robt G.....904
WintersonEF Co.....896
WittboldGeo Co.898 913
Wood Bros.....917
Woods H.....897
Young A L & Co....903
Young Thos.....903
Zech & Mann.....898

RIBBONS—SPECIALTIES

Our **VIOLET TIES** are new and original. They combine simplicity, grace and beauty. Write for sample.

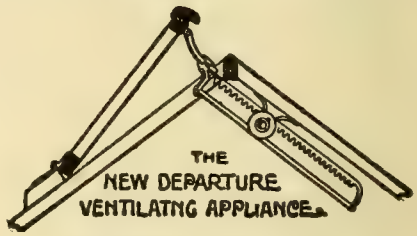
WILLIAM B. LAKE, 2535 N. 34th St., PHILADELPHIA, PA.

The Best Way to Collect an Account

is to place it with the

NATIONAL FLORISTS' BOARD OF TRADE, 56 Pine St., New York.

Why? Because many debtors will pay the Board, fearing otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.



CHEAPEST AND BEST.

If you doubt it try them and be convinced. Send for descriptive price circular.

J. D. Carmody, Evansville, Ind.

Please mention the American Florist when writing.

—THE—

Florists' Hail Association

Insures over 23,000,000 square feet of glass. for particulars address

JOHN G. ESLER, Sec'y, SADDLE RIVER, N. J.

RHODES DOUBLE OUT PRUNING SHEAR

Cuts from both sides of limb and does not bruise the bark. We pay Express charges on all orders. Write for circular and prices.

RHODES MFG. CO.
Dept. 3. GRAND RAPIDS, MICH.

MYERS & CO.
BUILDERS OF
Modern Greenhouses
HEATING
BOILERS.
1122 Betz Bldg.,
PHILA., PA.

The Advance Ventilating Apparatus

With goods made mechanically correct, on principles that have always given satisfaction, with prices that are reasonable, with lasting and satisfactory service, we certainly should have a chance to figure with you on what you may need in our line.

We have always pleased our customers. Why not you?

THE ADVANCE CO.
RICHMOND, IND.

Use our patent Iron Bench Fittings and Roof Supports.

THE JENNINGS IMPROVED IRON GUTTER.

IMPROVED VAPORIZING PANS
For Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY & CO. SUCCESSORS TO JENNINGS BROTHERS,
S. W. Cor. Sixth and Berk Sts., PHILADELPHIA.

VENTILATING APPARATUS.

Wired Toothpicks

10,000, $1.50: 50,000, $6.25. Manufactured by

W. J. COWEE, BERLIN, N. Y.

Sample free. For sale by dealers.

LUMBER

for Greenhouse Benches, Ship Lap, Drop Siding, Sheathing, Flooring, White Cedar Posts, Etc.

We are in special position to furnish **"PECKY CYPRESS"** everything in **PINE** and **HEMLOCK BUILDING LUMBER.** WRITE FOR PRICES.

Adam Schillo Lumber Co. Cor. Weed and Hawthorn St., CHICAGO. Tel. North 1626 and 1627.

Ready Reference Advertising.

ADVERTISEMENTS IN THIS DEPARTMENT 10 CENTS PER LINE, CASH WITH ORDER.
COPY MUST REACH US MONDAY OF THE WEEK IN WHICH IT IS TO APPEAR

AGERATUMS.

Ageratums, R. C., 2 kinds. Shippensburg Floral Co., Shippensburg, Pa.

ALTERNANTHERAS.

Alternantheras, red and yellow, $2 per 100; $15 per 1,000. R. Vincent, Jr., & Son, White Marsh, Md.

ALTHEAS.

Althea Edward Bellamy, best double white, 2 to 3 feet, to close out, $5 per 100; $40 per 1,000. The E. Y. Teas Co., Centerville, Ind.

ARAUCARIAS.

Araucaria excelsa, 5½-in., 15 ins., 4 to 5 trs., 50c; 5½-in., 15 to 18 ins., 4 to 5 trs., 60c; 5½ to 6-in., 18 to 23 ins., 5 to 6 trs., 75c; 6-in., 23 to 25 ins., 5 to 7 trs., $1; 6 to 7-in., 25 to 30 ins., 5 to 7 trs., $1.25; 7-in. specimens, $1.50 to $2. Compacta Robusta, 6-in., 3 trs., 12 to 14 and 16 to 18 ins., $1 and $1.25; 6 to 7-in., 4 to 5 trs., 18 to 20 and 20 to 25 ins., $1.50. $1.75; 7-in. specimens, 6 to 7 trs., 25 to 30 ins., $2 to $2.50. Excelsa glauca, 6-in., 3 trs., 14 to 16 and 18 to 20 ins., $1 to $1.25; 6 to 7-in., 4 to 5 trs., 20 to 25 and 25 to 30 ins., $1.50, $1.75; 7-in. specimens, 5 trs., 30 to 35 ins., $2 and $2.50. G. Aschmann, 1012 Ontario St., Philadelphia.

Araucaria excelsia, 6-in., $9 per doz. Compacta, 7 and 8-in., 3 to 4 trs., $2 each. Robt. Craig Co., Market and 49th Sts., Philadelphia.

Araucaria Excelsa, 6-in., 3 to 4 tiers, $1 each; $12 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Araucaria excelsa. R. Dreyer, Woodside, L. I., N. Y.

Araucarias. L. Van Houtte Pere, Ghent, Belgium.

ASPARAGUS.

Asparagus plumosus, 2-in., $3 per 100; $25 per 1,000. 2½-in., $4 per 100; $40 per 1,000; 3-in., $7 per 100; $65 per 1,000. Strong seedlings, $1.50 per 100; $12 per 1,000. Vaughan's Seed Store, Chicago and New York.

Asparagus plumosus, 2-in., $3 per 100; 3-in., $6. Sprengeri, 2-in., $3 per 100; 3-in., $6; 4-in., $1.25 per doz.; 5-in., $2. George Wittbold Co., 1657 Buckingham Pl., Chicago.

Asparagus plumosus nanus, 15,000 fine young plants from 2¼-in. pots, worth $3, to close out, $1.50 per 100; $15 per 1,000. The W. T. Buckley Co., Springfield, Ill.

Asparagus plumosus, 2½-in., $4 per 100; $30 per 1,000; 3-in., $7 per 100; $60 per 1,000. Robt. Craig Co., Market and 49th Sts., Philadelphia.

Asparagus plumosus, 4-in., Bushy, 10c to 12c. Sprengeri, 4-in., 10c. G. Aschmann, 1012 Ontario St., Philadelphia.

Asparagus plumosus and Sprengeri, 4-in., $8; 3-in., $5; 2¼-in., $2.50; 2-in., $2 per 100. Ludvig Mosbaek, Onarga, Ill.

Asparagus plumosus, 3-in., $5 per 100. Sprengeri, 3½-in., $6 per 100. Scharff Bros., Van Wert, O.

Asparagus plumosus, 2-in., $2.50 per 100; $20 per 1,000. W. F. Kasting, 383 Ellicott St., Buffalo, N. Y.

Asparagus plumosus, 3-in., $5 per 100. Sprengeri, 2½-in., $2.50 per 100. E. T. Wanzer, Wheaton, Ill.

Asparagus plumosus and Sprengeri, 6-in., 20c each; 3½-in., 5c. Shearer, The Florist, Winchester, Ky.

Asparagus plumosus, 2¼-in., $2 per 100; $18 per 1,000. Jos. H. Cunningham, Delaware, O.

Asparagus plumosus, 3½-in., $6 per 100. Hill Top Greenhouses, Utica, N. Y.

Asparagus plumosus, 2-in., $3; 3-in., $6. W. H. Gullett & Sons, Lincoln, Ill.

Asparagus Sprengeri, 2-in., $2.50 per 100; plumosus, 2-in., $3 per 100; 3-in., $5 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus Sprengeri, 3½-in., $5 per 100; plumosus, 3½-in., $6 per 100. Poehlmann Bros. Co., Morton Grove, Ill.

Asparagus Sprengeri, 2½-in., $3 per 100; $25 per 1,000. J. W. Dunford, Clayton, Mo.

Asparagus Sprengeri, 3-in., $5 per 100. John Walker, Youngstown, O.

Asparagus Sprengeri, 2½-in., $2 per 100. Byer Bros., Chambersburg, Pa.

AUCUBAS.

Aucuba Japonica, 10-in., 3 ft., $1.50 each. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

AZALEAS.

Azaleas, Apollo, Hexe, Simon Mardner, Vervæneana, Empress of India, Hermonie, Helen Theilman, Mme. Van der Cruyssen, Niobe, Prof. Walter, 10-12-in., $35 per 100; 12-14-in., $45; 14-16-in., $55; 16-18-in., $90; 18-20-in., $150. Storrs & Harrison Co., Painesville, O.

Azalea indica, leading varieties, 35c, 40c, 50c, 60c, 75c, $1, $1.25 to $1.50 each. G. Aschmann, 1012 Ontario St., Philadelphia.

Azaleas for Christmas blooming, 60c, 75c, $1. Geo. A. Kuhl, Pekin, Ill.

Azalea Mollis. Vaughan's Seed Store, Chicago and New York.

Azaleas. Cottage Gardens Co., Queens, L. I., N. Y.

Azaleas. L. Van Houtte Pere, Ghent, Belgium.

Azaleas. Jacs Smits, Ltd., Naarden, Holland.

BAY TREES.

Bay trees, fine stock. R. Dreyer, Woodside, L. I., N. Y.

Bay Trees. L. Van Houtte Pere, Ghent, Belgium.

BEGONIAS.

Begonias Gloire de Lorraine, 6-in., 50c; 3-in., 20c. Begonia flambeau, 4-in. pots, 20c. B. Erfordii, 4-in., 15c. G. Aschmann, 1012 Ontario St., Philadelphia.

Begonia Gloire de Lorraine, fine plants in bloom, 5-in. pans, $9 per doz.; 6-in., $12 per doz. Vaughan's Seed Store, Chicago and New York.

Rex begonias, asst., R. C., $1.25 per 100 prepaid. Shippensburg Floral Co., Shippensburg, Pa.

Begonias, good vars., mixed, 5-in., 15c each. Shearer, The Florist, Winchester, Ky.

Begonia Rex, 2 and 2½-in., $5 per 100. Geo. M. Emmans, Newton, N. J.

Begonias, R. C., $1.50 per 100. S. D. Brant, Clay Center, Kans.

Rex begonias, 3-in., 8c. Byer Bros., Chambersburg, Pa.

Begonias. Thos. S. Ware, Ltd., Feltham, England.

Begonias. L. Van Houtee Pere, Ghent, Belgium.

BOXWOOD.

Boxwood, 12 to 20 ins., 75c per pair; 24 ins., $1 per pair. Pyramids, 3 ft., $2.50 to $3 per pair; 4 ft., $3 to $4; 4 ft. 6 ins., $5; 5 ft., $7. A. Schultheis, College Point, N. Y.

Boxwoods, pyramids in tubs, 3 ft., $4 each; 4 ft., $5 each; bush form, 4 ft., $5 each; 1 ft., 35c each, $4.20 per doz; 1½ ft., 50c each. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

BULBS, ROOTS, TUBERS.

Bulbs, narcissus, Golden Spur, $18 per 1,000. Grandee, $10 per 1,000. Horsfieldi, $16 per 1,000. Princeps, $7 per 1,000. Single Von Sion, $11 per 1,000. Trumpet Major, $12 per 1,000. Dbl. Von Sion, $12 per 1,000. Dbl. Von Sion, mammoth dbl. nose, $20 per 1,000. Incomparable fl. pl., $9 per 1,000; Stella, $5.50. Poeticus (Pheasant's eye) $4.50 per 1,000. Poeticus Ornatus, $7 per 1,000. Orange Phoenix, $11 per 1,000. Giant Campernelle, $6 per 1,000. Dbl. Jonquil, $8 per 1,000. Bicolor Victoria, $3 per 100; $25 per 1,000. Barrie Consp., $8 per 1,000. Silver Phoenix, $20 per 1,000. Mrs. Langtry, $10 per 1,000. Crientalis (Chinese sacred lily) 4 baskets, 120 bulbs, $4.80. Hyacinths, Grand Maitre, Gigantea, Gertrude, King of the Blues, La Peyrouse, $1.75 per 100. Baroness Van Thuyll, Mme. Van der Hoop, $2.25 per 100. Czar Peter, $2.50 Fine named, such as Albertine, Gertrude, Grand Blanche, Robt. Steiger, Mme. Van der Hoop, L'Innocence, Baron Van Thuyll, Marie Blocksberg. Bouquet Tendre, Flevo, Garrick, Bouquet Royal, La Virginite, Prince of Orange, etc., our selection of vars., $4 per 100; $30 per 1,000. White Romans, selected, 13-15 cm., $3 per 100; $25 per 1,000. Lilium longiflorum, Japan grown, 9-10 ins., case of 200, $15. Multiflorum, 7-9 ins., case of 300, $15; 9-10 ins., case of 200, $17. Giganteum, 8-10, case of 225, $22.50. Freesia refacta alba, $7.50 per 1,000. Lily of the valley, Perfection grade, case of 2,000 pips, $28. Gladiolus Colvilli alba, The Bride, $7.50 per 1,000; rubra, $6.50 per 1,000. Tulips, Cottage Maid, Count of Leicester, Duke of York, $9 per 1,000. Keizerskroon, $17 per 1,000. La Reine, $8.50 per 1,000. Prince of Austria, $24 per 1,000. Bizarre, mix., $7 per 1,000. Darwins Peony red, $10 per 1,000. Golden Crown, $7.50 per 1,000. Parrots, named, Gloire Solis, Lady Grandison, $12 per 1,000. Murillo, $19 per 1,000. Rose Blanche, $8 per 1,000. Crocus, large size, David Rizzio, La Majesteuse, Mont Blanc, Prince Albert, Sir Walter Scott, etc., $5 per 1,000; sep. colors, blue, white, yellow, striped, $3 per 1,000. Allium Neapolitanum, $5 per 1,000. Anemones, single, $4 per 1,000. Chionodoxa Lucillae, $6.50 per 1,000. Grape Hyacinths, blue, $3.50 per 1,000; white, $6.50 per 1,000. Spanish iris, mix., $2.50 per 1,000. Dbl. Ranunculus, French, $3.50 per 1,000; Persian, $4 per 1,000; Turban, $5 per 1,000. Scilla Campanulata cerulea, $3.50 per 1,000. Snowdrops, single and giant, $6 per 1,000. F. R. Pierson Co., Tarrytown, N. Y.

Bulbs, Dutch hyacinths, about $2 per 100; La Grandesse, L'Innocence, Baron Von Thuyll, Gertrude. Czar Peter, Mme. Van der Hoop, Chas. Dickens, Grand Maitre. Single hyacinths, separate colors, $2.75 per 100: White and blush rose. Double hyacinths, sep. colors, $2.75 per 100; rose, pure white, white and blush. Narcissus, Incomparable, Orange, Phœnix, Empress, Emperor, Grand Primo, Soleil d'Or, Ard Righ. Tulips, from 1,500 to 3,000 of each. Duchess of Parma, Mon. Tresor, Thos. Moore, Rose Gris de Lin, Vaughan's New Pink, Rosa Mundi, Crimson King, Gesneriana, Joost Van Vondel, Princess Marie Ann, Pottebakker, Belle Alliance, Prosperine, Dusart, gold striped and scarlet; Rembrandt, Gold Finch, single late mixed; double named; Murillo, Tournesol, red and yellow, Crown d'Or, Imperator Rubrorum, Rosine, Rose Blanche, dbl. early extra mixed, dbl. early fine mixed, dbl. extra late mixed. Parrot tulips, 3 kinds. Vaughan's Seed Store, Chicago and New York.

Sparaxis, $3.50 per 1,000. Ixias, mix., $2.50 per 1,000. Oxalis (Bermuda buttercup) $6 per 1,000. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

If you do not find what you need in our Ready Reference Department, write us about it

Bulbs, L. Longiflorum, 6 to 8 ins., $3 per 100; $27 per 1,000; 7 to 9 ins., $5 per 100; $45 per 1,000; Multiflorum, 6 to 8 ins., $3 per 100; $28 per 1,000; 7 to 9 ins., $5.50 per 100; $50 per 1,000. Lily of the valley pips. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs, white Roman hyacinths, 12x15 ctms., $2.75 per 100; $25 per 1,000; 13x15 ctms., $3.75 per 100; $35 per 1,000; 15 and over, $5 per 100; $45 per 1,000. Tulips in var. W. W. Rawson & Co., 5 Union St., Boston.

Bulbs, Chinese sacred lilies, select, 60c per doz.; basket 30 bulbs, $1.25; per 1,000, $30. Dingee & Conard Co., West Grove, Pa.

Bulbs, Narcissus Empress and Henry Irving, Candidum lilies. E. F. Winterson Co., 45 Wabash Ave., Chicago.

Bulbs, hyacinths, tulips, narcissus, crocus, lilies, freesias. Jas. Vick's Sons, Rochester, N. Y.

Bulbs, gladiolus, mixed, 60c per 100; $5 per 1,000. Geo. M. Emmans, Newton, N. J.

Bulbs of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Bulbs of all kinds. Currie Bros. Co., 308 Broadway, Milwaukee, Wis.

150,000 cannas, 35 leading varieties. Ludvig Mosbaek, Onarga, Ill.

Cannas. Thos. S. Ware, Ltd., Feltham, England.

Lily of the valley, pips for forcing, $1.50 per 100; $14 per 1,000. H. N. Bruns, 1409 W. Madison St., Chicago.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

CARNATIONS.

Carnations, rooted cuttings, Victory, $6 per 100; $50 per 1,000. Enchantress, $2 per 100; $18 per 1,000. W. Lawson, L. Bountiful, $3 per 100; $25 per 1,000. B. Market, P. Lawson, $1.50 per 100; $12.50 per 1,000. Nelson, $2 per 100; $15 per 1,000. E. T. Wanzer, Wheaton, Ill.

Carnations, rooted cuttings. Red Chief, Bonnie Maid, Aristocrat, $12 per 100; $100 per 1,000. Rose Pink Enchantres, $7 per 100; $60 per 1,000; White Perfection, $6 per 100, $50 per 1,000. F. Dorner & Sons Co., La Fayette, Ind.

Carnations, Rose Pink Enchantress, rooted cuttings, $7 per 100; $60 per 1,000. S. S. Skidelsky, 824 No. 24th St., Philadelphia.

Carnations, Pink Imperial, cuttings, $2.50 per doz.; $12 per 100; $100 per 1,000. John E. Haines, Bethlehem, Pa.

Carnations, Victory, $6 per 100; $50 per 1,000. Jensen & Dekema, 674 W. Foster Ave., Chicago.

Carnations, 1,500 Norway, $3.50 per 100; $30 per 1,000. J. W. Dunford, Clayton, Mo.

Carnation Mabelle, new, $12 per 100; $100 per 1,000. H. Weber & Sons Co., Oakland, Md.

Carnations, hardy plants from frames, $2 per 100. Byer Bros., Chambersburg, Pa.

Carnations, rooted cuttings. Chicago Carnation Co., Joliet, Ill.

Carnation, Bertha Rath. R. Dreyer, Woodside, L. I., N. Y.

Carnations for fall delivery. Wood Bros., Fishkill, N. Y.

Carnations. J. D. Thompson Carnation Co., Joliet, Ill.

Carnations, leading vars. A. M. Herr, Lancaster, Pa.

CHRYSANTHEMUMS.

Chrysanthemums, stock plants, Kalb, A. Byron, Robinson, Adelia, W. Bonnaffon, Crawford, T. Eaton, Chadwick, Merry Christmas, Willowbrook, Wanamaker, Col. Appleton, Halliday, Y. Eaton, Bonnaffon, Whilldin, Rieman, Merstham Yellow, Sunshine, McNiece, Perrin, Enguehard, M. Dean, Pink Ivory, Intensity, $6 per 100; 75c per doz. Poehlmann Bros. Co., Morton Grove, Ill.

Stock plants of the Ceramic chrysanthemum, new cream color, now ready, 20c each; $2 per doz. Chal. Peterson, East Liverpool, Ohio.

Chrysanthemums, stock plants, Alice Byron, C. Touset, Appleton, Dr. Enguehard, Dr. Galloway, E. Fitzroy, Femina, Geo. W. Childs, Ivory, Nonin, Lord Hopetoun, Monrovia, Matchless, Mrs. H. Robinson, Mrs. Coombes, Opah, Polly Rose, Roi d' Italie, T. Eaton, Yellow Eaton, $1 per doz. Mary Mann, $2 per doz. Mrs. G. Buch, $2 per doz. E. G. Hill Co., Richmond, Ind.

Chrysanthemums, stock plants, C. Touset, Nonin and Moneymaker. Monrovia, Pacific, Bonnaffon, white and yellow Eaton, Mrs. Weeks, V. Morel, J. K. Shaw, A. Byron, Galloway, B. Wells, Enguehard, Golden Age, Yanoma, Chadwick, $1 per doz.; $8 per 100. Gunnar Teilmann, Marion, Ind.

Chrysanthemums, Wm. Simpson, Polly Rose, Glory of Pacific, Ivory, white and pink, Major Bonnaffon, Halliday, M. Dean, Adelia, V. Morel, L. Queen, Yel. Jones, Queen, G. Wedding, Childs, Dr. Enguehard, Alma, 75c per doz.; $5 per 100. John Walker Youngstown, O.

Chrysanthemums, stock plants, Estelle, Kalb, Willowbrook, Eaton, Shaw, Duckham, M. Bailey, Enguehard, Dean, October Sunshine, Y. Eaton, Whilldin, Bonnaffon, G. Wedding, 75c per doz.; $6 per 100. Nonin, $1 per doz. W. H. Gullett & Sons, Lincoln, Ill.

Chrysanthemums, stock plants of the following varieties at $4 per 100; Kalb, Glory of Pacific, Polly Rose, Pink Ivory, White Ivory. Wm. Duckham, Maud Dean, Marie Layer, Dr. Enguehard, A. J. Balfour, Alice Byron, R. Halliday. W. H. & C. B. Newman, Akron, N. Y.

Chrysanthemums, select plants, Golden Wedding, Polly Rose, Mrs. Chadwick, Col. Appleton, Ben Wells, O. P. Bassett, N. Pockett, Wm. Duckham, V. Morel, Robinson, 60c per doz.; $4 per 100. Cash. McRae-Jenkinson Co., Cheswick, Pa.

Chrysanthemum novelties, White Sport of Duckham, Mrs. A. T. Miller, Moneymaker, Rose Lawrence, Mary Godfrey, Buttercup, Miss Miriam Hankey, Mrs. Henry Barnes and many others. Chas. H. Totty, Madison, N. J.

Chrysanthemums, stock plants, Mrs. Duckham, Col. Appleton, Cheltoni, F. A. Cobbold, F. S. Valis, Wm. Duckham, Nellie Pockett, Merza, Henry Robinson, etc., $10 per 100. C. Peterson, 307 Lincoln St., Flushing, N. Y.

Chrysanthemums, stock plants, Rosiere, $1.50 per doz. Emereter, Merstham, C. Touset, $1 per doz. Monrovia, Omega, M. Bergmann, Willowbrook, 75c per doz. Eli Cross, Grand Rapids, Mich.

Chrysanthemums, stock plants, Willowbrook, Kalb, Estelle, Wanamaker, Ivory, Robinson, Appleton, Bonnaffon, Halliday, Coombes, McNeice, Enguehard, 60c per doz.; $4 per 100. E. T. Wanzer, Wheaton, Ill.

Chrysanthemums, C. Touset, Nonin, 75c per doz.; $5 per 100. Pacific, Estelle, Willowbrook, Halliday, Kalb, L. Harriet, 60c per doz.; $4 per 100. Eggeling Floral Co., 1653 S. Grand Ave., St. Louis, Mo.

Chrysanthemums, stock plants, R. Halliday, A. Byron, F. Pullman, Mrs. Weeks, Cheltoni, T. Eaton, yellow Eaton, 75c per doz.; C. Touset, $1 per doz. Robt. E. Rudolph, Paducah, Ky.

Chrysanthemums, Kalb, Ivory, Mrs. Chadwick, Mutual Friend, Pennsylvania, Appleton, Golden Age, Shaw, Murdock, P. Ivory, V. Morel, Liger, Indiana. Geo. A. Kuhl, Pekin, Ill.

Chrysanthemum stock plants, Bonnaffon, White Bonnaffon, Maud Dean, Wanamaker, Chadwick, 75c per doz.; $5 per 100. August Erickson, 688 W. Foster Ave., Chicago.

Chrysanthemums, stock plants, Touset and Nonin, $1 per doz. Lavender Queen, yellow and white Eaton, Liger, Shaw, Monrovia, 75c per doz. W. W. Coles, Kokomo, Ind.

Chrysanthemums, old stools, Polly Rose, Appleton, Duckham in exchange for Begonia Gloire de Lorraine, or heap offer. Riverbank Greenhouses, Geneva, Ill.

Chrysanthemums, all varieties. Nathan Smith & Son, Adrian, Mich.

Chrysanthemums, stock plants, 175 Shaw, 125 Halliday, 75 M. Newell, 36 Xeno, 75c per doz.; $5 per 100. W. F. Kasting, 383 Ellicott St., Buffalo, N. Y.

Chrysanthemums, Morton F. Plant, $2 per doz.; 2½-in. pots, $5 per 100. W. H. Le Gierse, 4653 Lancaster Ave., Philadelphia.

Chrysanthemums, baby, 7-in. azalea pots, 50c each. Robt. Craig Co., Market and 49th St., Philadelphia.

Chrysanthemums, leading foreign and American varieties. Nathan Smith & Son, Adrian, Mich.

Chrysanthemums, Smith's Revised Manual, 40c. Nathan Smith & Son, Adrian, Mich.

Chrysanthemums. Wood Bros., Fishkill, N. Y.

CIBOTIUMS.

Cibotium Schiedei, 5-in., $9 per doz.; 6-in., $12 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Cibotium Scheidei, specimens, $25 per pair. Robt. Craig Co., Market and 49th Sts., Philadelphia.

CINERARIAS.

Cineraria, Benary, Cannell, Sutton's strain, all colors mixed, 2¼-in., $2.50 per 100. Shellroad Greenhouses, Grange, Baltimore, Md.

Cinerarias, 3-in., $3 per 100. Hill Top Greenhouses, Utica, N. Y.

CLEMATIS.

Clematis. Vaughan's Seed Store, Chicago and New York.

COBOEA.

Cobœa Scandens, 4-in., $8 per 100. Godfrey Aschmann, 1012 Ontario St., Philadelphia, Pa.

CROTONS.

Crotons, 4-in., $3 per doz.; $25 per 100; 5-in., $6 per doz.; $50 per 100; 6-in., 75c and $1 each. Made-up pans, $1.50, $2, $3, $5, $6 and $7.50 each. Robt. Craig Co., Market and 49th Sts., Philadelphia.

CYCLAMENS.

Cyclamens, 5-in., $15 per 100; 4-in., $10 per 100; 3-in., $5 per 100, 300 for $10. Hill Top Greenhouses, Utica, N. Y.

Cyclamen plants, grand strain, 5-in., showing bud, $35 per 100. Riverbank Greenhouses, Geneva, Ill.

Cyclamen, 4-in., 12c. G. Aschmann, 1012 Ontario St., Philadelphia.

DAHLIAS.

Dahlias, improved Countess of Lonsdale, cactus type, 6 for $1; $1.75 per doz.; $12 per 100. Arthur T. Boddington, 342 W. 14th St., New York.

Dahlias. Thos. S. Ware, Ltd., Feltham, England.

DAISIES.

Daisies, dbl., leading vars., $2.50 per 1,000. Byer Bros., Chambersburg, Pa.

DEUTZIAS.

Deutzias, in variety. W. & T. Smith Co., Geneva, N. Y.

Deutzias. Vaughan's Seed Store, Chicago and New York.

DRACAENAS.

Dracæna fragrans, 5-in., 50c each, $5 per doz.; 7-in., $1 each; $12 per doz; D. indivisa, 2-in., $2.50 per 100; 6-in., 20 to 26 ins., 50c each; $5 per doz; 7-in., 30 to 34 ins., 75c each; $9 per doz.; D. terminalis, 2-in., $1.25 per doz.; 3-in., $2 per doz.; $6-in., $9 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Dracæna Bruanti, 30-in., 6-in. pots, 50c each; $5 per doz. G. Aschmann, 1012 Ontario St., Philadelphia.

Dracæna Sanderiana, 2½-in., $12 per 100. Robt. Craig Co., Market and 49th Sts., Philadelphia.

Dracæna indivisa, 3-in., $6 per 100; 4-in., $12; 6-in., 50c each. John Walker, Youngstown, O.

If you do not find what you need in our Ready Reference Department, write us about it.

Dracæna indivisa, 4 and 5 ins., $10 and $25 per 100. Geo. M. Emmans, Newton, N. J.

FERNS.

Ferns, Adiantum hybridum, 8-in. pans, 2 ft. spread, $1.25 each; 7-in., 50c each. Scottii, 5-in., $4.50 per doz.; $35 per 100; 6-in., $6 per doz.; $50 per 100; 7-in., $9 per doz.; $75 per 100; 8-in. pans, $1 each. N. Elegantissima, 8-in. pans, $1.25 each; 6-in. pots, 75c each; 5-in., 50c each; 2½-in., $8 per 100; $75 per 1,000. Whitmani, 6-in. pots, $1 each; $10 per doz.; 8-in., $1.25 each; $14 per doz.; N. Barrowsii, 5-in., 35c; 6-in., 75c; 8-in., $1.25 each. Boston, 8-in., $12 per doz. Robt. Craig Co., Market and 49th Sts., Philadelphia.

Ferns, Boston, 2½-in., 60c per doz.; $5 per 100. 3-in., $1.50 per doz.; $10 per 100. 4-in., $2.50 per doz.; $20 per 100. 5-in., 50c each; $5 per doz.; $40 per 100. 6-in. pans, 75c each; $8 per doz.; $60 per 100. 7-in., $1 each; $10 per doz.; $75 per 100. 8-in., $1.50 each. $15 per doz. 9-in., $2 to $2.50 each. 10-in., $3 to $3.50 each. 12-in., $4 to $5 each. Ferns for dishes, asst., 2¼-in., $3 per 100; $25 per 1,000. Pteris tremula, 4-in., $10 per 100. Vaughan's Seed Store, Chicago and New York.

Ferns, Boston, 5-in., $3; 6-in., strong, $6; 7-in., $9. Large specimens, $1.50, $2, $3 each. Assorted ferns for dishes, $3 per 100; $25 per 1,000. Pteris Wimsetti, 5-in., 75c per doz.; $6 per 100. Pteris argyrea, 3-in., $1 per doz.; $8 per 100. Aspidium Ten., 3-in., $1 per doz.; $8 per 100. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Ferns, Barrowsii, 7-in., 75c to $1 each; 6-in., 50c; 5½-in., 40c; 5-in., 35c; 4-in., 25c. Scottii, 8-in., $1.25; 7-in., 75c; 6-in., 50c; 5½-in., 40c; 4-in., 20c. Elegantissima, 5-in., 30c. Boston, 7-in., 75c; 6-in., 50c; $5 per doz.; 5-in., 30c to 35c; 4-in., 20c. Ferns for dishes, 2½-in., $5 per 1,000. G. Aschmann, 1012 Ontario St., Philadelphia.

Ferns, Whitmani, runners from bed, $7 per 100; $60 per 1,000; 3-in., $10 per 100; $90 per 1,000. Scottii, runners from bed, $25 per 1,000; 3-in., $40 per 1,000. Wm. K. Harris, 55th St. and Springfield Ave., Philadelphia.

Ferns, N. Piersoni, Elegantissima, 2¼-in. pots, $12 per 100; specimen plants, 6-in., $1 each; 8-in., $2; 10-in., $3; 12-in., $5; 14-in., $7.50; 16-in., $10. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns, Boston, fine large 4-in. pot grown, $12 per 100. Bench grown for 4-in., $10 per 100; $90 per 1,000; for 5 and 6-in., $20 per 100. All A1 stock. Cash with order. F. W. Hackenkamp, Jr., Quincy, Ill.

Ferns, Boston, 4-in., 10c; 5-in., 12½c; 3-in., 5c; Tarrytown, 3-in., 10c; 4-in., 15c; 6-in., 25c; runners, $2 per 100; Scottii, 3-in., 8c; 4-in., 12½c. Byer Bros., Chambersburg, Pa.

Ferns, Boston, Piersoni, Anna Foster and Sword, 2¼ and 3-in., $3 and $6 per 100; 6-in., $4; 8-in., $12; 10-in., $25 per doz. Ludvig Mosbaek, Onarga, Ill.

Ferns, Elegantissima, from bench, for 6-in., 50c each; runners, 5c. Piersoni, 50c each; runners, 3c. Shearer, The Florist, Winchester, Ky.

Ferns, for dishes, fine plants, 2½-in., $3 per 100; $25 per 1,000; 3-in., $5 per 100; $45 per 1,000. Gus. Adrian, Clifton, Cincinnati, O.

Ferns, Boston, 6-in., 50c. Scottii, 5-in., 35c; 6-in. pans, 50c; 8-in., $1. John Walker, Youngstown, O.

Ferns, N. Whitmani, 2¼-in., $25 per 100. Boston, 2¼-in., $3 per 100. H. H. Barrows & Sons, Whitman, Mass.

Ferns, Boston, from bench, for 4 and 5-in., $10 and $15 per 100. J. W. Dunford, Clayton, Mo.

Ferns, Whitmani, 2½-in., $12.50; 3-in., $25; 4-in., $50; 5-in., $75. Geo. A. Kuhl, Pekin, Ill.

Ferns, N. Whitmani, young plants from bench, $6 per 100. Davis Bros., Morrison, Ill.

Ferns, all leading varieties, R. Dreyer, Woodside, L. I., N. Y.

Ferns, Elegantissima, 2½-in., $5 per 100. Storrs & Harrison Co., Painesville, O.

Ferns, orders booked now for N. Amerpohli, Janesville Floral Co., Janesville, Wis.

Ferns, Boston, 5-in., 30c each. Piersoni, 6-in., 50c each. Geo. M. Emmans, Newton N. J.

Ferns, Scottii 5-in., $25 per 100. Holton & Hunkel Co., Milwaukee, Wis.

Ferns, A. Hybridum, 2¼-in., $5 per 100. A. Ley & Bro., Langdon, D. C.

FICUS.

Ficus pandurata, 2½ to 3 ft., $3 each; 3½ to 4 ft., $4; 4½ to 5 ft., in tubs, $7.50; branched plants $4, $5 and $7.50 each. Robt. Craig Co., Market and 49th Sts., Philadelphia.

Ficus elastica, 5-in., 12 to 14 ins., $5 per doz.; $40 per 100. Vaughan's Seed Store, Chicago and New York.

Ficus, 6-in., 25 to 30 ins., 40c to 50c each. G. Aschmann, 1012 Ontario St., Philadelphia.

GARDENIAS.

Gardenia Veitchii, 5 and 6-in., 50c, 75c and $1 each. Robt. Craig Co., Market and 49th Sts., Philadelphia.

GERANIUMS.

Geraniums, from 2-in. pots. Alliance, Lemoine, 1905, 25c each; $2 per doz. Fleuve Blanc, $1.50 per doz.; $10 per 100. Cactus, 4 vars., $2 per doz., $15 per 100. Double Dryden, $1 per doz.; $5 per 100. Nutt, La Pilote, Poitevine, Mme. Barney, Centaure, Kendall, Mme. Jaulin, Viaud, Mme. Charotte, 40c per doz.; $2 per 100; $18 per 1,000. Ville de Poitiers, M. de Castellane, Berthe de Presilly, M. Jolly de Bammeville, T. Meehan, 50c per doz.; $3 per 100; $25 per 1,000. R. Vincent, Jr., & Son, White Marsh, Md.

Geraniums, the following "Six Kings"; S. A. Nutt, deep scarlet; A. H. Trego, scarlet; Peter Henderson, bright scarlet; Beaute Poitevine, salmon; Jean Viaud, pink; Mme. Buckner, white; all semi-double, strong top cuttings, well rooted, $1.50 per 100; $15 per 1,000. Cash. The W. T. Buckley Co., Springfield, Ill.

Geraniums, S. A. Nutt, Castellane, John Doyle, Perkins, Double Gen. Grant, La Favorite, Poitevine, 2-in. pots, $2 per 100; R. C., $1 per 100. Geo. M. Emmans, Newton, N. J.

Geraniums, R. C., Nutt, Doyle, dbl. Grant, Buckner, Gervais, $10 per 1,000. Peter Brown, Lancaster, Pa.

Geraniums, leading vars. A. M. Herr, Lancaster, Pa.

GLOXINIAS.

Gloxinias. L. Van Houtte Pere, Ghent, Belgium.

GREENS.

Greens, wreathing, standard, per coil, 20 yds., 60c; light weight, 50c; standard dyed, 60c; light weight, 50c. Wreaths, holly, Delaware, $1.10 per doz.; Southern, $1 per doz.; evergreen mixed, $1 per doz. Evergreen, plain, $1 per doz.; with immortelles, $1.10 per doz. Galax, green or bronze, 90c per doz.; with immortelles, $1 per doz.; magnolia wreaths, $1 per doz.; with immortelles, $1.10 per doz. Delaware holly, per crate, $4 to $4.50; Southern $3.25 to $3.75. Mistletoe, per lb., 20c. Needle pines, per doz., $1.50. Galax leaves, per 1,000, $1. California pepper boughs, per crate, $4.50. Magnolia leaves, per barrel, $6.50. H. Woods Co., 127 S. Water St., Chicago.

Greens, dagger and fancy ferns, $1.25 per 1,000. Southern wild smilax, $7 per 50-lb. case; $4 per 25-lb. case. Bronze and Green galax, $1 per 1,000; $7.50 per case of 10,000. Laurel festooning, 5c and 6c per yd. Laurel wreaths, from $2 per doz. upwards. Princess pine, $7 per 100 lbs. Branch laurel, 50c per bunch. Henry M. Robinson & Co., 11 Province St., Boston.

Greens, mistletoe, boxwood and fancy sheet moss. Pittsburg Cut Flower Co., 222 Oliver Ave., Pittsburg, Pa.

Greens, holly, case 2x2x4 ft., $3. Laurel branches, case 2x2x4 ft., $2.50. Cedar branches with berries, case 2x2x4 ft., $3. Green sheet moss, per bbl., $1.25 W. Z. Purnell, Snow Hill, Md.

Greens, Delaware holly, single case, $4; 5 cases, $3.50 per case, prepaid; by express c. o. d., $3 per case. Holly wreaths, 14-in., by freight prepaid, $10 per 100, express c. o. d., $9 per 100, H. Austin, Felton, Del.

Greens, Delaware holly, per case 2x2x4 ft., $3; Virginia, 2x2x4 ft., $2.75. Holly wreaths, 10c and 12c. Laurel roping, 3c per yd. H. L. Hubbs, 34th and Cumberland Sts., Philadelphia.

Holly, Delaware holly, Lycopodium and a full line of Xmas green decorations. Buy in Denver and get quick delivery. Price list now ready. Barteldes Seed Co., Denver, Col.

Greens, galax, leaves, ferns and leucothoe sprays, holly. Princess pine, all kinds of evergreens. Galax leaves, $1 per 1,000. N. Lecakes & Co., 53 W. 28th St., New York.

Greens, holly, bouquet green, laurel, mistletoe, needle pines, wreathing, holly and evergreen wreaths, etc. Vaughan's Seed Store, Chicago and New York.

Greens, cut palmetto and cycas palm leaves, galax, leucothoe, ferns, mosses and all decorating evergreens. The Kervan Co., 20 W. 27th St., New York.

Xmas trees, fine nursery grown balsam and spruce, 4 to 7 ft. high at very low prices to close, $10 per 100. Cash. Jos. Bancroft & Son, Cedar Falls, Iowa.

Decoration Material, fancy fern leaves, also galax, green sheet moss, etc. Ask for latest price list. Barteldes Seed Co., Denver, Col.

Greens, holly, bouquet green, mistletoe, evergreen wreathing, etc. E. F. Winterson Co., 45-49 Wabash Ave., Chicago.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 52 W. 28th St., New York.

Greens, fancy ferns, $1 per 1,000. Galax, $1.25. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Wreathing, light, $3; medium, $4 per 100 yds. Cash with order. Jos. Bancroft & Son, Cedar Falls, Iowa.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. A. J. Fellouris, 52 W. 28th St., New York.

Greens, evergreens, galax, ferns, decorative supplies, moss. Jno. P. Scherer, 636 Garden St., Union Hill, N. J.

Greens, bouquet green and Christmas trees. Northern Mich. Evergreen Nursery, Clark St. Bridge, Chicago.

Greens, Beaven's fadeless sheet moss, $3.50 per bag. Southern wild smilax. E. A. Beaven, Evergreen, Ala.

Greens, Southern wild smilax. Caldwell The Woodsman Co., Evergreen, Ala.

Greens, mistletoe. A. B. Silliman & Co., Boone, Ia.

HARDY PERENNIALS.

Iris Germanica, Mme. Chereau, Gracchus, Florentine, Socrates, Duchess de Nemours, Dr. Bernice and 20 others, $2.50 per 100; $22.50 per 1,000. Hemerocallis in 10 vars., $3.75 per 100; $30 per 1,000, Delphinium Belladonna, 1 yr., plants, $6.25 per 100; $57.50 per 1,000; 3 yr., clump, $8.75 per 100; $75 per 1,000. Chrysanthemum maximum King Edward, largest white Marguerite, strong from ground, $8.75 per 100. Lathyrus latifolius White Pearl, from ground, $12.50 per 100. Thos. S. Ware, Ltd., Feltham, England.

Hardy Perennials, German iris, asst. colors; golden glow (Rudbeckia), Boltonia, white and pink, $1 to $5 per 100 clumps. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Hardy pinks, field-grown, Essex Witch, M. Gray, Abbottsford, 3½c. Byer Bros., Chambersburg, Pa.

Hardy, perennial herbaceous plants, 50,000 field and pot grown. Ludvig Mosbaek, Onarga, Ill.

If you do not find what you need in our Ready Reference Department, write us about it.

Dielytra spectabilis, strong clumps, $8 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Phlox, iris, pinks, etc. Vick & Hill, Rochester, N. Y.

HELIOTROPE.

Heliotrope, R. C. Shippensburg Floral Co., Shippensburg, Pa.

HIBISCUS.

Hibiscus Syriacus Meehani. P. J. Berckmans Co., Inc., Augusta, Ga.

HOLLYHOCKS.

Hollyhocks, dbl., 4 colors, 1-yr., 3c. Eyer Bros., Chambersburg, Pa.

Hollyhocks, separate colors, $7.50. Perennials Gardens Co., Toledo, O.

HYDRANGEAS.

Hydrangeas. Otaksa and Thos. Hogg, 7-12 crowns, $12 per 100; 5-6, $9 per 100; 4, $7 per 100. Jackson & Perkins Co., Newark, N. Y.

Hydrangea P. G. Vaughan's Seed Store, Chicago and New York.

Hydrangeas, 50c, $1, $1.50. Geo. A. Kuhl, Pekin, Ill.

IVY.

Ivy, hardy English, $2 per 100; $15 per 1,000. R. Vincent, Jr., & Son, White Marsh, Md.

JERUSALEM CHERRIES.

Jerusalem cherries, with berries, 5-in., 40c each; $3 per doz.; 6-in., 50c each; $5 per doz. Vaughan's Seed Store, Chicago and New York.

Jerusalem cherries, 3½-in. in bloom, $4 per 100. J. W. Dunford, Clayton, Mo.

MARANTAS.

Maranta rosea, 3-in., $25 per 100. Robt. Craig Co., Market and 49th St., Philadelphia.

Maranta Lietzii, 2½-in., $1 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

MUSHROOM SPAWN.

Mushroom Spawn, pure culture spawn, and importers of English mushroom spawn. Knud Gundestrup & Co., 4273 Milwaukee Ave., Chicago.

Mushroom spawn, Pure Culture, per 10 bricks, $1.50; 25 bricks, $3.50; 50 bricks, $6.50; 100 bricks, $12. W. C. Beckert, 103 Federal St., Allegheny, Pa.

Mushroom Spawn, English and pure culture, Weeber & Don, 114 Chambers St., New York.

Mushroom Spawn, frequent importations from England. J. J. Styer, Concordville, Pa.

NURSERY STOCK.

Shrubs, fine, healthy stock of Tamarix, 3 to 5 ft., 3c; 4 to 5 ft., 4c; 5 to 6 ft., 5c. Deutzias, asst., 2 to 3 ft., 5c. Spiræa Bill, and opulifolia, 2 to 3 ft., 6c. Stag Horn Sumach, 4 to 5 ft., 12c; 5 to 6 ft., 15c. California privet, 2 to 3 ft., well branched, 3c. Forsythia suspensa, 2 to 3 ft., 6c. Stock must be sold to clear ground. Elmhurst Nursery, Argentine, Kans.

Nursery stock, shade trees, fruit trees, small fruits, shrubs, clematis, Barbary Thunbergii. W. & T. Smith Co., Geneva N. Y.

Nursery stock, trees and shrubs. Price list on application. Peterson's Nursery, 503 W. Peterson Ave., Chicago.

Nursery stock, evergreen and deciduous flowering shrubs and vines. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, large trees, oak, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, pot-grown shrubs, conifers and ornamental stock. Jacs Smits, Ltd., Naarden, Holland.

Calycanthus, sweet shrub, 1½ to 2 feet transplanted, $5 per 100. The E. Y. Teas Co., Centerville, Ind.

Nursery stock, Biota, aurea, nana, conifers, oranges, etc. P. J. Berckmans Co. (Inc.), Augusta, Ga.

Nursery stock, deciduous trees and shrubs, evergreens. Cottage Gardens Co., Queens, L. I., N. Y.

Nursery stock, plants and shrubbery of all kinds. Dingee & Conard Co., West Grove, Pa.

Nursery stock, all kinds of hardy stock. Klehm's nurseries, Arlington Heights, Ill.

Nursery stock, lilac bushes, large white, 4 to 6 ft. R. Fischer, Great Neck, L. I., N. Y.

ORANGES.

Oranges, otaheite, 5 to 20 fruit, 25c a fruit. Robt. Craig Co., Market and 49th Sts., Philadelphia.

ORCHIDS.

Orchids, C. Dowiana, C. Gigas, C. Mossiæ, C. Percivaliana, C. speciosissima, C. Eldorado, C. superba, C. labiata, C. Leopoldi. Lager & Hurrell, Summit, N. J.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England; New York office, room 1, 235 Broadway.

Orchids, imported seedlings. Julius Roehrs Co., Rutherford, N. J.

PALMS.

Palms, Areca Lutes., 4-in., 3 plts. in pot, 15-in., $3.50 per doz.; $25 per 100; Cocos Wed., 2¼-in., 5 to 6 ins., $1.50 per doz; $10 per 100; $90 per 1,000; 3-in., 8 to 10 ins., $2 per doz.; $15 per 100; $140 per 1,000. Kentia Fors., 6-in., 6 lvs., 24 to 28 ins., $1 each; 6-in., 6 lvs., 28 to 30 ins., $1.25; 6-in., 6 lvs., 30 to 32 ins., $1.50; 7-in., 6 lvs., 34 to 36 ins., $2; 7-ins., 6 lvs., 36 to 40 ins., $2.50; 9-in., 6 lvs., 46 to 48 ins., $3.50; 7-in. tubs, 6 lvs., 48 ins., $4; 12-in., 6 to 7 lvs., 8 to 10 ft., $15. Made up, 9-in., 4 plts. in pot, 3½ ft., $4 each; 9-in. tubs, 4 plts., 4 ft., $5; 12-in., 4 plts., 6½ to 7 ft., $15; 13-in., 4 to 6 plts., 5½ to 6 ft., bushy, $15. Bel., 6-in., 6 lvs., 20 to 24 ins., $1 each; 6-in. 6 lvs., 24 to 26 ins., $1.25; 6-in., 6 to 7 lvs., 26 to 28, $1.50; 7-in., 6 to 7 lvs., 34 to 36 ins., $2.50; 9-in. tubs, 6 to 7 lvs., 48 ins., heavy, $7.50. Latania Borb., 7-in., 6 to 8 lvs., heavy, $1 each. Livistona Rotundifolia, 4-in., $4 per doz.; $30 per 100. Phœnix Can., 2½ ft., $2 each; 3½ ft., $3.50; 4 to 4½ ft., $5; 4½ to 5 ft., $6. Phœnix Roebelenii, 4-in., 10 ins., $1 each; 5-in., 12 ins., $1.25; 8-in., 18 ins., $3.50. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Palms, Cocos, 2-in., $2 per doz.; C. Bonetti, specimens, $40 each. Kentia Bel., 3-in., $2 per doz.; Kentia Fors, 7-in., $2 each; $24 per doz.; 7-in., X, $2.50 each; 7-in., XX, $3 each. Phœnix Can., 2-in., $1 per doz.; 10-in., $2.50 and $3 each; large specimens, Phœnix Recli., 3½-in., $2 per doz.; 4-in., $3 per doz. Latania Bor., 3-in., $1.50 per doz.; 3½-in., $2; 4-in., $3; 5-in., $5; 7-in., $12. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Palms, Kentia Fors., made-up, 1 large and 3 small in pot, 45 to 48, 25 to 30 ins., $2, $2.50; 6-in., single, 36 to 45 ins., 5 to 6 leaves, $1.25 to $1.75; 6-in., 32 to 36 ins., 5 to 6 lvs., $1; 5½ to 6-in., 30 ins., 5 lvs., 75c; 4-in., made-up, 3 plts. in pot, 18, 20 to 25 ins., 25c, 30c, 35c. Cocos Wed., 15c. Areca Lutescens, 5-in., 24 ins., made-up, 3 plts., 35c; 4-in. pots, 20 to 24 ins., 3 plts., 25c. Areca Sapida, 25 ins., 50c each. G. Aschmann, 1012 Ontario St., Philadelphia.

Palms, Chamærops excelsa, 2-in. pots, strong $3 per 100; 4-in. pots, strong, $15 per 100. Theodosia B. Shepherd Co., Ventura, Cal. W. H. Francis, Mgr.

Palms, Latania Bor., 4-in., $15 per 100. Kentia Bel., 5-in., $60 per 100. Storrs & Harrison Co., Painesville, O.

Palms of all kinds. R. Dreyer, Woodside, L. I., N. Y.

Palms. P. J. Berckmans Co. (Inc.), Augusta, Ga.

Palms. L. Van Houtte Pere, Ghent, Belgium.

PELARGONIUMS.

Pelargoniums, rooted cuttings, 15 named vars., $2.25 per 100 prepaid. S. D. Brant, Clay Center, Kans.

PANDANUS.

Pandanus Veitchii, 4-in., 50c each; 5-in., 75c each; 6-in., $1 each. Pacifica, 6-in. pots, $1.50 each; 7-in., $2 each. Robt. Craig Co., Market and 49th Sts., Philadelphia.

Pandanus Utilis, 3-in., per doz., $1.50; 4-in., per doz., $3; 5-in., per doz., $5. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

PANSIES.

Pansies, $3 per 1,000; 50c per 100. Jos. H. Cunningham, Delaware, O.

PEONIES.

Peonies, Prince Charles, Lord Salisbury, Duchess of Sutherland, Rosea maxima, Mme. Furtado, Philomile, Leonie, Mons. Boquil, Festiva, Hypatia, Mons. Rousselon, Mme. Moreau, 1 yr., $1.50 per doz.; $10 per 100; 2 yr., $2 per doz.; $15 per 100. Thos. S. Ware, Ltd., Feltham, England.

Peonies, choice kinds, Festiva Maxima, Felix Crousse, Queen Victoria, etc., at lowest rates. Fine mixed sorts, $5 per 100. The E. Y. Teas Co., Centerville, Ind.

Peonies, Queen Victoria, $9 per 100. Festiva Maxima, $30 per 100; Fragrans, $6 per 100. G. H. Wild, Sarcoxie, Mo.

Peonies a specialty. Peterson Nursery. 503 W. Peterson Ave., Chicago.

Peonies, all vars. Jacs Smits, Ltd., Naarden, Holland.

Peonies. W. & T. Smith Co., Geneva, N. Y.

PEPPERS.

Peppers, Celestial or Xmas., 4-in., $2 per doz.; $15 per 100; 5-in., $3 per doz.; $25 per 100. Vaughan's Seed Store, Chicago and New York.

PRIMULAS.

Primroses, Chinese and obconica, 4-in., $6 per 100; 3-in., $3 per 100. Hill Top Greenhouses, Utica, N. Y.

Primroses, obconica, alba and rosea, $1.50 per 100; $12 per 1,000. Jos. H. Cunningham. Delaware, O.

Primroses, 4-in., $10 per 100; 5¼-in., $2 per doz. G. Aschmann, 1012 Ontario St., Philadelphia.

Primula obconica, 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

PRIVET.

Privet, California, the best. R. Dreyer, Woodside, L. I., N. Y.

RHODODENDRONS.

Rhododendrons, 50c and 75c each. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Rhododendrons. Vaughan's Seed Store, Chicago and New York.

Rhododendrons. Jacs Smits, Ltd., Naarden, Holland.

Rhododendrons. Cottage Gardens Co., Queens. L. I., N. Y.

ROSES.

Roses, Baby Rambler, 1st size, 2 yr., $3 per doz.; $25 per 100; $200 per 1,000. 2nd size, 2 yr., $2.50 per doz.; $20 per 100; $150 per 1,000; 1st size, 1 yr., $2 per doz.; $15 per 100; $120 per 1,000. Pot-grown, 4-in., $3 per doz.; $20 per 100. 5-in., $5 per doz.; $40 per 100. 6-in., $6 per doz., $50 per 100. Etoile de France, 1-yr., dormant, $2 per doz.; $15 per 100. Richmond, 3-in., $8 per 100; $75 per 1,000; 4-in., $12 per 100; $100 per 1,000. Killarney, 3-in., $8 per 100; $75 per 1,000; 4-in., $12 per 100; $100 per 1,000. H. P. roses and Crimson Ramblers. Vaughan's Seed Store, Chicago and New York.

Roses, home grown, Baby Rambler, $2.50 per doz.; $20 per 100. Hermosa, $1.65 per doz.; $12.50 per 100. C. Soupert, $1.65 per doz., $12.50 per 100. Imported, extra heavy hybrid perpetuals, all vars., $1.50 per 10; $12.50 per 100. Baby Rambler, $2 per 10; $17.50 per 100; Crimson Rambler, $1.75 per 10; $15 per 100. Perennial Gardens Co., Toledo, O.

Roses, climbing plants. Jacs Smits, Ltd., Naarden, Holland.

If you do not find what you need in our Ready Reference Department, write us about it.

Roses, 2-yr., field-grown, hybrid perpetuals, $10 and $12 per 100; Crimson Rambler, $9 per 100; Dorothy Perkins, $7 per 100. Lady Gay, 2½-in. pots only. Jackson & Perkins Co., Newark, N. Y.

Roses, R. C., Bride, Maid, Gate, Chatenay, $1.50 per 100; $12.50 per 1,000. Richmond, $2 per 100; $18 per 1,000. W. H. Gullett & Sons, Lincoln, Ill.

Roses, Crimson Rambler and Dorothy Perkins, field-grown, 4 to 6 shoots, $3 per doz.; $20 per 100. W. F. Kasting, 383 Ellicott St., Buffalo, N. Y.

Rose, Queen Beatrice, finest forcing pink, to be disseminated spring of 1907. F. H. Kramer, 916 F St., N. W., Washington, D. C.

Roses, from 2½-in. pots, Ivory, G. Gate, Bride, Maid, Chatenay. Mrs. J. W. Crouch, 709 Market St., Chattanooga, Tenn.

Roses, C. Soupert, Marie Pavie, C. Rambler, Dorothy Perkins, P. J. Berckmans Co. (Inc.), Augusta, Ga.

Roses, H. P's, H. T's, T's, R's, Cl's, B., etc., 101 best sorts, own roots. Leedle Floral Co. Springfield, O.

Roses, Crimson Rambler, 4 to 7 ft., $10 per 100; No. 2's, $6 per 100. C. M. Niuffer, Springfield, O.

Roses, Dorothy Perkins, strong field plants, $7 per 100. The E. Y. Teas Co., Centerville, Ind.

Roses, field-grown for forcing. W. & T. Smith Co., Geneva, N. Y.

Roses, from 3-in. pots. Wood Bros., Fishkill, N. Y.

SEEDS.

Seeds, palms, Kentia Fors., K. Bel., $1.25 per 1,000. Canterburyana, $3 per 1,000. Moorei, $12 per 1,000. Areca Baueri, $1 per 1,000. Seaforthia elegans, 50c per 1,000. Livistona australis, 50c per 1,000. Bacularia monostachya, $1.50 per 1,000. Gymnostachys anceps, $2 per 1,000. Calamus Muelleri, $1.50 per 1,000. Tree Seeds, Castanospermum australe, $5 per 1,000. Araucaria excelsa, $1.25 per 1,000. J. Staer, Wahroonga. N. S. W., Australia.

Seeds, beets, cabbage, Cannon Ball and Rocky Ford muskmelon, watermelon, Bermuda and Calif. onion, okra, mustard, French and Calif. grown, radish, tomato, Mexican June corn, Kaffir corn, German millet, dwf. yel. Milo Maize, sugar cane, winter barley, Red Rust Proof oats, cotton seed, Whip. and white black-eyed field peas, Spanish peanuts, Johnson and Bermuda grass. Texas Seed and Floral Co., Dallas, Tex.

Seeds, beets, cabbage, Cannon Ball and Rocky Ford muskmelon, watermelon, Bermuda and Calif. onion, okra, mustard, French and Calif. grown, radish, tomato, Mexican June corn, Kaffir corn, German millet, dwf. yel. Milo Maize, sugar cane, winter barley, Red Rust Proof oats, cotton seed, Whip. and white black-eyed field peas, Spanish peanuts, Johnson and Bermuda grass. Texas Seed and Floral Co., Dallas, Tex.

Seeds, Asparagus, A. plumosus nanus, Northern greenhouse grown seed, 100 seeds, 60c; 250 seeds, $1.25; 1,000 seeds, $4.50. Southern greenhouse grown, 1,000 seeds, $2.50; 5,000 seeds, $10. A. plumosus robustus, 100 seeds, $1; 1,000 seeds, $9. Decumbens, 100 seeds, 50c; 1,000 seeds, $4. Comorensis, 100 seeds, $1; 1,000 seeds, $7.50. Cash discount 2 per cent. Vaughan's Seed Store, Chicago and New York.

Seeds, sweet peas, Earliest White, per pkt (40 seeds), 25c; 5 pkts., 75c net. ½ size pkts., 15c; 2 pkts., 25c; 10 pks., 75c. Burpee's Earliest of All, per oz., 10c; ¼ lb., 30c; per lb., $1. W. Atlee Burpee & Co., Philadelphia.

Seeds, L. C. Nungesser, Griesheim near Darmstadt, Germany, exporter and importer. Specialties: Selected grass and clover seeds, alfalfa of Provence and Turkestan; free from dodder and cuscuta. Crimson clover.

Seeds, Suhr's genuine Danish Cauliflower, Dwarf Erfurter and Danish Giant; Cabbage, Danish, Ball Head. Wholesale only. Write for particulars. S. Suhr, Copenhagen, Denmark.

Seeds, mignonette, New York Market. Sweet peas, pink and white. Tomato, The Don, Stirling Castle. Weebeer & Don, 114 Chambers St., New York.

Seeds, specialties, beans, cucumber and tomato, radish, peas, muskmelon, sweet corn and squash. S. M. Isbell & Co., Jackson, Mich.

Seeds, Rocky Mountain Columbine, true, new crop, ¼ oz., 40c; oz., $1.25. Buy now, supply limited. Barteldes Seed Co., Denver, Col.

Seeds, all kinds, specialties, onion, carrot, lettuce, sweet peas. Pacific Seed Growers' Co., 109 Market St., San Francisco.

Seeds, cabbage and cauliflower. Hjalmar Hartmann & Co., 12 Stormgade, Copenhagen, 31 Barclay St., New York.

Seeds, Asparagus plumosus, per oz., $1; per lb., $14; 5 lbs., $55; 10 lbs., $100. F. G. Taylor Seed Co., Glendale, Cal.

Seeds, high grade grass, clover, agricultural and forest tree seeds. Conrad Appel, Darmstadt, Germany.

Seeds, all kinds of vegetable and flower seeds. C. C. Morse & Co., 171 Clay St., San Francisco.

Seeds of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Seeds, Snowball cauliflower. R. Wiboltt, Nakskov, Denmark.

Seeds of all kinds. Stokes Seed Store, 219 Market St., Philadelphia.

Seeds. W. Atlee Burpee Co., Philadelphia, Pa.

SMILAX.

Smilax, 2-in., strong, $1 per 100; $9 per 1,000. C. Humfeld, Clay Center, Kan.

Smilax, 3-in., $4 per 100; $35 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Smilax, $2 per 100; $15 per 1,000. R. Vincent, Jr., & Son, White Marsh, Md.

Smilax. Wood Bros., Fishkill, N. Y.

SPIREAS.

Spireas, japonica, strong clumps, $3.50 per 100; Astilboides Floribunda, $4 per 100; Compacta Multiflora, $4 per 100; Gladstone, $6.50 per 100. J. M. Thorburn & Co., 33 Barclay St., New York.

Astilbe, or spirea, Gladstone, $8 per 100; Astilboides floribunda and Japonica, $5 per 100; Compacta, multiflora, $6 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Spirea Van Houttei. W. & T. Smith Co., Geneva, N. Y.

Spireas. Jacs Smits, Ltd., Naarden, Holland.

STEVIAS.

Stevia, fine large plants, 6-in., 20c; 7-in., 25c; 8-in., 30c. Thos. Salveson, Petersburg, Ill.

VERBENAS.

Verbenas, 60 named vars., Rooted cuttings, 75c per 100; $6 per 1,000. Plants. $2.50 per 100; $20 per 1,000. J. L. Dillon, Bloomsburg, Pa.

Verbenas, R. C. Shippensburg, Floral Co., Shippensburg, Pa.

VINCAS.

Vinca Minor, Hardy periwinkle, good clumps, $1.50 per 100; $10 per 1,000. The E. Y. Teas Co., Centerville, Ind.

Vinca Var., rooted cuttings, $1 per 100; $7.50 per 1,000. Holton & Hunkel Co., Milwaukee, Wis.

Vinca Var., 90c per 100 prepaid. Shippensburg Floral Co., Shippensburg, Pa.

Vinca Var., 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

Vinca Var., R. C. Shippensburg Floral Co., Shippensburg, Pa.

VIOLETS.

Violets, Gov. Herrick, new single violet, good keeper; rooted cuttings $2 per doz.; $10 per 100; $75 per 1,000; 5,000 or more, $60 per 1,000. H. R. Carlton, Willoughby, O.

Violets. Wood Bros., Fishkill, N. Y.

WISTARIAS.

Wistaria Magnifica, 3-yr., strong, $3 per 100. The E. Y. Teas Co., Centerville, Ind.

WHOLESALE CUT FLOWERS.

Commission Dealers.

Allen, J. K., 106 W. 28th St., New York.

Amling, E. C., 32-36 Randolph St., Chicago.

Berning, H. G., 1402 Pine St., St. Louis.

Cleveland Cut Flower Co., 215 Huron road, Cleveland, O.

Deamud, J. B., Co., 51 Wabasn Ave., Chicago.

Eberman, C. W., 53 W. 30th St., New York.

Flower Growers' Market, 60 Wabash Ave., Chicago.

Ford Bros., 48 W. 28th St., New York.

Froment, Horace E., 57 W. 28th St., New York.

Guttman, Alex. J., 43 W. 28th St., N. Y.

Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Hensnaw, A. M., 52 W. 28th St., New York.

Horan, Edward C., 55 W. 28th, N. Y.

Hunt, E. H., 76 Wabash Ave., Chicago.

Kennicott Bros. Co., 40-44 Randolph St., Chicago.

Kessler, Phil. F., 55 W. 26th St., N. Y.

Kuehn, C. A., 1122 Pine St., St. Louis.

Langjanr, Alfred H., 55 W. 28th St., New York.

McCullough's Sons Co., J. M., 316 Walnut St., Cincinnati, O.

McKellar, Chas. W., 51 Wabash Ave., Chicago.

McKissick, W. E., 1221 Filbert St., Philadelphia.

Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Murdoch, J. B. & Co., 745 Liberty Ave., Pittsburg, Pa.

N. Y. Cut Flower Ex., Coogan Bldg., 6th Ave. and W. 26th St., New York.

Niessen Co., Leo, 1217 Arch St., Phila.

Pennock-Meehan Co., 1608-18 Ludlow St., Philadelphia.

Pittsburg Cut Flower Co., Ltd., 222 Oliver Ave., Pittsburg, Pa.

Pittsburg Florists' Exchange, 217-223 Diamond St., Pittsburg, Pa.

Pollworth, C. C. Co., Milwaukee, Wis.

Randall, A. L. Co., 19 Randolph St., Chicago.

Raynor, John T., 49 W. 28th St., N. Y.

Rice Bros., 128 N. 6th St., Minneapolis, Minn.

Robinson, Henry M., & Co., 11-15 Province St., Boston.

Seligman, John, 56 W. 26th St., N. Y.

Sheridan, Walter F., 39 W. 28th St., New York.

Smith & Co., W. C., 1316 Pine St., St. Louis, Mo.

Traendley & Schenck, 44 W. 28th St., New York.

Vaughan & Sperry, 58-60 Wabasn Ave., Chicago.

Welch Bros., 226 Devonshire St., Boston.

Winterson, E. F. Co., 45-49 Wabash Ave., Chicago.

Young, A. L. & Co., 54 W. 28th St., New York.

Young, Thos., 43 W. 28th St., N. Y.

Zech & Mann, 51 Wabash Ave., Chicago.

Growers.

Bassett & Washburn, 76-78 Wabash Ave., Chicago.

Benthey-Coatsworth Co., The, 35 Randolph St., Chicago.

Bruns, H. N., 1409-11 W. Madison St., Chicago.

Budlong, J. A., 37-39 Randolph St., Chicago.

If you do not find what you need in our Ready Reference Department, write us about it.

Chatogue Greenhouses, Mobile, Ala.

Dittman, Wm., New Castle, Ind.

Elliott, W. H., Brighton, Mass.

Hill, The E. G. Co., Richmond, Ind.

Jensen & Dekema, 674 W. Foster Ave., Chicago.

Peacock Dahlia Farms, Atco, N. J.

Poehlmann Bros. Co., 35-37 Randolph St., Chicago.

Reinberg, Peter, 51 Wabash Ave., Chicago.

Scheiden & Schoos, 60 Wabash Ave., Chicago.

Sinner Bros., 60 Wabash Ave., Chicago.

Weiland & Risch, 59 Wabash Ave., Chicago.

Wietor Bros., 51 Wabash Ave., Chicago.

Wilcox, J. F., Council Bluffs, Iowa.

Wittbold, Geo. Co., 1657 Buckingham Place, Chicago.

RETAIL CUT FLOWERS.

Atlanta Floral Co., 41 Peachtree St., Atlanta, Ga.

Bertermann Bros. Co., 241 Massachusetts Ave., Indianapolis, Ind.

Blackistone, 14th and H Sts., N. W., Washington, D. C.

Boland, J. B. Co., 47-49 Geary St., San Francisco.

Breitmeyer's Sons, John, cor. Miami and Gratiot Aves., Detroit, Mich.

Cooke, George H., Connecticut Ave. and L. St., Washington, D. C.

Daniels & Fisher, Denver, Col.

Donohoe, W. H., 2 W. 29th St., N. Y.

Eyres, H. G., 11 N. Pearl St., Albany, N. Y.

Gude, A. & Bro., 1214 F St., Washington, D. C.

Hansen, Mrs. M. A., Galveston, Tex.

Hauswirth, P. J., Audit. Annex, Chi.

Hess & Swoboda, 1415 Farnum St., Omaha, Neb.

Holm & Olson, St. Paul, Minn.

Keller, J. B., Sons, 25 Clinton St., Rochester, N. Y.

Kellogg, Geo. M., 906 Grand Ave., Kansas City, Mo.; also Pleasant Hill, Mo.

Lange, A., 40 E. Madison St., Chicago.

Livingston Seed Co., Columbus, O.

Matthews, 16 W. 3rd St., Dayton, O.

Mayberry & Hoover, 1339 14th St., N. W., Washington, D. C.

Miller, Theo., 4832 Delmar Blvd., St. Louis, Mo.

Mills The Florist, 36 W. Forsythe St., Jacksonville, Fla.

Murray, Samuel, Coates House Con., 1017 Broadway, Kansas City, Mo.

Park Floral Co., The, Denver, Col.

Palmer's, Buffalo, N. Y.

Schulz, J., 644 4th Ave., Louisville, Ky.

Virgin, Uriah J., 833 Canal St., New Orleans, La.

Weber, Fred C., 4320-28 Olive St., St. Louis, Mo.

Wilcox, J. F. Council Bluffs, Iowa.

Wilson, Robt. G., Fulton St. and Greene Ave., Brooklyn, N. Y.

ARTIFICIAL FLOWERS.

Artificial poinsettias, 12 ins., diam., 18-in. stem. J. Schroeder, 344 Ontario St., Cleveland, O.

BOILERS.

Boilers, improved greenhouse boilers, made of best material; shell firebox sheets and heads of steel; water space all around (front, sides and back). Kroeschell Bros. Co., 45 Erie Street, Chicago.

Boilers, Gurney heaters, heat by steam or hot water. Gurney Heater Mfg. Co., 111 5th Ave., New York; 74 Franklin St., Boston.

Boilers, the Burnham boilers, made for greenhouse heating. Lord & Burnham Co., 1133 Broadway, New York.

Boilers, corrugated, fire box and sectional, greenhouse heating. Hitchings & Co., 1170 Broadway, New York.

Boilers, boilers of high grade for greenhouses. Steam and hot water. Giblin & Co., Utica. N. Y.

Boilers of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Boilers, water tube steam boilers. King Construction Co., N. Tonawanda, N. Y.

Boilers, write for prices. Johnston Heating Co., 1133 Broadway, N. Y.

Boilers, Myers & Co., 1122 Betz Bldg., Philadelphia.

BOXES.

Cut Flower Boxes, water-proof, corner lock style. No charge for printing on orders above 250 boxes. Livingston Seed Co., Columbus, O.

Cut Flower Boxes; send for prices. Edwards Folding Box Co., Philadelphia, Pa.

BUILDING MATERIAL.

Building material, lumber for greenhouse benches. Ship lap, drop siding, sheating, flooring, white cedar posts, etc. We are in special position to furnish 'Pecky Cypress"; everything in pine and hemlock building lumber. Adam Schilio Lumber Co., cor. Weed and Hawthorn Sts., Chicago.

Building Material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouses and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building Material, cypress sash bars, Tennessee red cedar posts, pecky cypress benches, hotbed sash and frames, ventilating apparatus, pine, fittings and all supplies needed in new or reconstruction work. Foley Mfg. Co., 471 W. 22d St., Chicago.

Building Material, cypress sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 111-125 Blackhawk St., Chicago.

Building Material. Our designs embody best features of greenhouse construction. Best grade gulf cypress used. Red cedar posts, iron fittings, hotbed sash. Lockland Lumber Co., Lockland, Ohio.

Building Material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 617 Sheffield Ave., Chicago.

Building Material for U-Bar greenhouses. Pierson U-Bar Co., Metropolitan Bldg., 4th Ave. and 23d St., N. Y.

Building Material of all descriptions, cold frames, hotbed sash, etc. Lord & Burnham Co., 1133 Broadway, N. Y.

Building Material, cold frames, hotbed sash of every description. Hitchings & Co., 1170 Broadway, New York.

Greenhouse materials of all kinds for greenhouse heating. Johnston Heating Co., 1133 Broadway, New York.

Building material, yellow pine boards cut to exact lengths. L. L. Satler Lumber Co., Pittsburg, Pa.

Building Material of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Building Material of all kinds. S. Jacobs & Sons, 1365-79 Flushing Ave., Brooklyn, N. Y.

CONCRETE MACHINES.

Ideal Concrete Machines for concrete block construction. Ideal Concrete Machinery Co., Dept. Y., South Bend, Ind.

CUT FOLWER HOLDER.

The Anglais table decoration, made in sections, can be adjusted to any form desired. "Japana" flower holder, 4½-in., 50c; 6½-in., 35c; 2½, 25c. M. V. Garnsey, 131 So. Waiola Ave., La Grange, Ill.

FERTILIZERS.

Wizard Brand pulverized sheep manure. The Pulverized Manure Co., 32 Exchange Ave., Chicago.

A sample 100-lb. bag of BLATCHFORD'S PLANT GROWER AND LAND RENOVATOR FERTILIZER only $2.75. It is composed solely of pure Rose Growers' Bone Meal, Nitrate of Soda, Peruvian Guano, Sulphate of Ammonia, Sulphate of Potash and Gypsum, in the correct proportions. For benches and potting plants, roses, carnations, lilies, 'mums, etc., it has never been surpassed. Address

THE BARWELL AGRICULTURAL WORKS, WAUKEGAN, ILL.

Est. at Leicester, England, in 1800.

GLASS.

Glass importers and jobbers; greenhouse glass a specialty. Window glass. James H. Rice, corner Michigan St., Clair and Illinois Sts., Chicago.

Glass, a lot of 16x18 A and B double strength at low price. A. Dietsch Co., 617 Sheffield Ave., Chicago.

Glass, window glass. Greenhouse glass a specialty. H. M. Hooker Co., 59 W. Randolph St., Chicago.

Glass, French and American "White Rose" brand. Stenzel Glass Co., 2 Hudson St., New York.

Glass, all sizes. Metropolitan Material Co., 1398 Metropolitan Ave., Brooklyn, N. Y.

Glass, all kinds and sizes. Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.

Glass, special greenhouse. G. F. Reynolds, Durhamville, N. Y.

GLAZING POINTS.

Glazing Points, see the point? Holds glass firmly. Peerless glazing points are the best. No rights or lefts. Box of 1,000 points, 75c, postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

GOLD FISH.

Gold Fish, Comets, Japanese Fantails, Fringetails, Telescopes, etc. Fish globes and aquariums. The J. M. McCullough's Sons Co., 316 Walnut St., Cincinnati, O.

Goldfish aquaria and aquarium supplies. Fred. Kaempfer, 88 State St., Chicago.

GREENHOUSE CONSTRUCTION.

Greenhouse Construction, builders of greenhouses for private estates, institutions, parks, etc. Pierson U-Bar Co., Metropolitan Bldg., 4th Ave. and 23d St., New York.

Greenhouse Construction, sash bar greenhouses. New Truss construction and iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse Construction, builders of every type of greenhouses; the most modern designs. Hitchings & Co., 1170 Broadway, N. Y.

Greenhouse Construction, builders of modern greenhouses. Myers & Co., 1122 Betz Bldg., Philadelphia.

GUTTERS.

Gutters, Jennings' improved iron gutters. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

Gutters, Garland's gutters will keep snow and ice off your glass. A sample of our gutter is on exhibition at Chicago Flower Growers' Market. Geo. M. Garland, Des Plaines, Ill.

Gutters, Lord & Burnham Improved V-shape gutter, with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

Gutters, new duplex gutter, only drip-proof gutter on the market. E. Hippard, Youngstown, O.

IMMORTELLES.

Immortelles, bright scarlet and other colors for Xmas trade. Buy now. Dozen bunches, $2.75; 50 bunches, $11. Barteldes Seed Co., Denver, Col.

INSECTICIDES.

Insecticides, tobacco paper, 24 sheets, 75c; 144, $3.50; 288, $6.50; 1,728, $35.10. Nico-Fume Liquid, ¼ pint, 50c; pint, $1.50; ½ gal., $5.50; gal., $10.50; 5 gal., $47.25. Kentucky Tobacco Product Co., Louisville, Ky.

If you do not find what you need in our Ready Reference Department, write us about it.

POINSETTIAS in the ARTIFICIAL

We make the finest, most perfect **Poinsettas** on the market. **Lowest Price.** 12 inches in diameter, 18-inch stem. Absolutely perfect in color; made of French muslin that will not lose its shape. For decorating **Churches, Halls, Clubs** you will find our **Poinsettias** a great service to the florist, as the pinkish under petal in our **Poinsettias** gives the flower the proper effect. Write for color plate and judge for yourself. Get your orders in **Early.**

J. SCHROEDER, Artificial Flower Manufacturer, **344 Ontario St., CLEVELAND, O.**

Insecticides, Nicoteen Aphis Punk, 60c per box 12 sheets; $6.50 per case of 12 boxes. Nikoteen Liquid, $1.50 per pint; $13 per case of 10 pints. Nicotine Mfg. Co., St. Louis, Mo.

Wilson's Plant Oil, for scale and insects, ½ pt., 25c; pt., 40c; qt., 75c; ½ gal., $1.25; gal., $2; 5 gals., $9. Andrew Wilson, Summit, N. J.

Insecticides, Hasco liquid nicotine, pts., $1.35; half gal., $5.25; gal., $10. H. A. Stoothoff Co., 116 West St., New York.

Fumigating Supplies, vaporizing pans for tobacco extract, improved. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

Fumigating supplies, tobacco stems, 300 lb. bales, $1.50. W. C. Beckert, 103 Federal St., Allegheny, Pa.

Insecticides, Carman's Antipest insecticide and fungicide, $1.50 per gal. Perfection Chem. Co., Flushing, N. Y.

Insecticide, Nicoticide, Bug Killer, the best bug killer and bloom saver. P. R. Palethorpe Co., Louisville, Ky.

LAWN MOWERS.

Lawn Mower. The Clipper lawn mower, No. 1, 12-in., $5; No. 2, 15-in., $6; No. 3, 18-in., $7; No. 4, 20-in., $8. Draft, money order or reg. letter. Clipper Lawn Mower Co., Dixon, Ill.

METAL DESIGNS.

Metal signs, send for prices. A. Herrmann, 404-12 E. 34th St., New York.

MISCELLANEOUS.

Florists' overdue accounts and bad debts collected by the National Florists' Board of Trade, 56 Pine St., N. Y.

Engravings, best engravings and illustrations of every description for catalogues. Send for estimates. Globe Eng. & Elec. Co., 427 Dearborn St., Chicago.

Printing, large runs of catalogues a specialty. Write for figures. Regan Printing House, 89-91 Plymouth Place, Chicago.

PAINT, PUTTY, ETC.

Paint, Ideal Greenhouse Lead; Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, N. Y.

Paint, Putty, etc. H. M. Hooker Co., 59 W. Randolph St., Chicago.

Paint, Putty, etc. The Jas. H. Rice Co., 80-82 Wabash Ave., Chicago.

PIPE, FITTINGS, ETC.

Pipe, iron fittings, etc., galvanized iron sash hinges, screw eyes, screw hooks, U bolts, galvanized iron buckles and wires. Fittings for purlin and ridge supports. Foley Mfg. Co., 471 W. 22d St., Chicago.

Iron Fittings, patent iron bench fittings and roof supports. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

Pipes, valves, fittings of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

A Bargain, 4-in. cast iron pipes, 5 foot lengths at 12c per foot. C. C. Pollworth Co., Milwaukee.

Iron Fittings, etc.; send for prices. Lockland Lumber Co., Lockland, O.

PRUNING SHEARS.

Pruning shears, Rhodes double cut. Rhodes Mfg. Co., Grand Rapids, Mich.

RAFFIA.

Raffia, samples free if you mention the American Florist. Large assortment of colors. R. H. Comey Co., Camden, N. J., 810-24 Washburn Ave., Chicago.

SUPPLIES.

Supplies, flower baskets, novelties. Riessner Bros., Lichtenfels, Bavaria.

Red Bells, bright color tissue paper, 6-in., best seller, 60c per doz.; gross, $5. Other sizes in proportion. We have the goods. Write us. Barteldes Seed Co., Denver, Col.

Supplies, importers and manufacturers of florists' supplies. L. Baumann & Co., 78 Wabash Ave., Chicago.

Supplies, importers and manufacturers of florists' supplies. Reed and Keller, 122 W. 25th St., New York.

Supplies, wire designs, etc. The Cleveland Cut Fower Co., 215 Huron road, Cleveland, O.

A HOLLY WREATH

FOR HOLIDAY CIRCULARS AND ADVERTISING : : : :

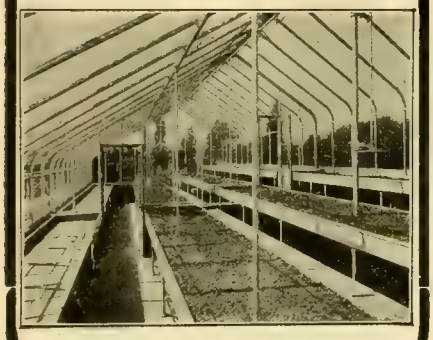
Plates for printing this fine Holly Wreath in two colors—green leaves and red berries and ribbon—$5.00 per set of two plates.
Smaller size, 2x2½ inches, $3.00 per set of two plates.
Plate of above sizes for one color, $2.70. The smaller size, one color, $1.50.

Cash with order.

American Florist Company,
324 Dearborn Street, CHICAGO.

If you do not find what you need in our Ready Reference Department, write us about it.

The wooden core bars are used to prevent the injurious expansion and contraction of the house, and consequently glass breakage—the method of imbedding the glass insures strength—long life. U-Bar Greenhouses are the best greenhouses built because none are so thoroughly fortified against expansion and contraction—none have so sure and enduring a putty bed **Pierson U-Bar Company, Designers and Builders, U-Bar Greenhouses,** Metropolitan Building, 4th avenue and 23rd street, New York.



Please mention the American Florist when writing.

GLASS

GOOD BRANDS.
QUICK SHIPMENTS.
LARGE STOCK.

Warehouse on railroad switch. **Be Sure and Get Our Prices.**

SHARP, PARTRIDGE & CO.,
22nd and Lumber Sts., CHICAGO.

Please mention the American Florist when writing.

N. TONAWANDA, N. Y. TORONTO, ONT.

KING CONSTRUCTION CO.
GREENHOUSE CONSTRUCTION AND EQUIPMENT
WRITE FOR CATALOGUE AND PRICES

Please mention the American Florist when writing

CHRISTMAS NUMBER

December 13.

SEND ADVERTISEMENTS NOW.

GREENHOUSE LUMBER

FIRST QUALITY. **STRICTLY CLEAR.**

LOUISIANA GULF CYPRESS.

For **GREENHOUSE** purposes nothing surpasses our material either in durability, or in excellence of workmanship.

PRICES REASONABLE.

QUICK SERVICE IS ASSURED IN FILLING ALL ORDERS.

Hotbed Sash, Cedar Posts, Iron Fittings, Bench Material.

LOCKLAND LUMBER CO.
LOCKLAND, O.

Please mention the American Florist when writing.

GARLAND'S GUTTERS
WILL KEEP SNOW AND ICE OFF YOUR GLASS.
DES PLAINES, ILL.
SEND FOR CATALOGUE.

A Section of our Gutter is on Exhibition at the Chicago Flower Growers' Market.

GET OUR PRICES ON
Galvanized Wire Rose Stakes and Tying Wire.

IGOE BROTHERS,

Manufacturers of the **Model Plant Supports** for Carnations, Dahlias, Golden Glow, Chrysanthemums and Tomatoes.

63-71 Metropolitan Ave., BROOKLYN, N. Y.

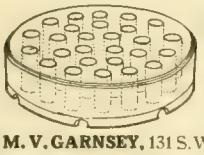
A. HERRMANN,

Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florists' Supplies.

SEND FOR PRICES.

404-412 East 34th St., NEW YORK.

THE JAPANA CUT FLOWER HOLDER



A handy article for all florists. **Saves Time and Flowers.**

Made of glass, in three sizes: 4½, 3½ and 2-inch. Catalogues, description, etc., on application.

M. V. GARNSEY, 131 S. Waiola Ave., **La Grange, Ill.**

The Regan Printing House

LARGE RUNS OF

CATALOGUES —OUR— **SPECIALTY**

WRITE FOR FIGURES.

83-91 Plymouth Place, CHICAGO.

EVANS' IMPROVED CHALLENGE VENTILATING APPARATUS

WRITE FOR ILLUSTRATED CATALOGUE
QUAKER CITY MACHINE WORKS.
RICHMOND, IND.

THE TEST —OF— DURABILITY.

Durability in greenhouse material is of first importance. It is expensive and tiresome to be constantly re-building and repairing—trying to patch up houses built of poor material.

If you want lasting houses get material that stands the test. Our cypress material will stand the most critical examination or comparison. "Time waits for no man." Send for catalogue and estimate to-day.

Next Week:
"The Test of Quality."

JOHN C. MONINGER CO.
113 E. Blackhawk St.,
CHICAGO.

Please mention the American Florist when writing.

THE AMERICAN FLORIST

America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXVII. **CHICAGO AND NEW YORK, DECEMBER 8, 1906.** **No. 966**

THE AMERICAN FLORIST

TWENTY-SECOND YEAR.

Copyright 1906, by American Florist Company. Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

324 Dearborn St., Chicago.

Eastern Office: 1133 Broadway, New York.

Subscription, $1.00 a year. To Europe, $2.00. Subscriptions accepted only from the trade.

Volumes half yearly from August 1901.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—WM. F. KASTING, Buffalo, N. Y., president; H. M. ALTICK, Dayton, O., vice-president; W. J. STEWART, 11 Hamilton Place, Boston, Mass., secretary; H. M. BEATTY, Pittsburg, Pa., treasurer. Twenty-third annual meeting at Philadelphia, Pa., August, 1907.

OFFICERS-ELECT—WM. J. STEWART, Boston, Mass., president; JOHN WESTCOTT, Philadelphia, Pa., vice president; P. J. HAUSWIRTH, Auditorium Annex, Chicago, secretary; H. B. BEATTY, Pittsburg, Pa., treasurer.

INTERNATIONAL EXHIBITION—A grand international exhibition will be held with the annual convention at Chicago, November, 1908.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual convention and exhibition at Chicago, November 6-12, 1906. WM. DUCKHAM, Madison, N. J., president; DAVID FRASER, Penn and Homewood Ave., Pittsburg, Pa., secretary.

AMERICAN ROSE SOCIETY.

Annual meeting and exhibition at Washington, D. C., March 13-15, 1907. ROBT. SIMPSON, Clifton, N. J., president; BENJAMIN HAMMOND, Fishkill-on-Hudson, N. Y., secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention and exhibition at Toronto, Canada, January, 1907. JOHN H. DUNLOP, Toronto, Canada, president; ALBERT M. HERR, Lancaster, Pa., secretary.

THE AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

Annual convention at Toronto, Ont., 1907. BYRON D. WORTHEN, Manchester, N. H., president; F. L. MULFORD, Harrisburg, Pa., secretary.

AMERICAN PEONY SOCIETY.

Third annual meeting and exhibition at Ithaca, N. Y., 1907. C. W. WARD, Queens, N. Y., president; A. H. FEWKES, Newton Highlands, Mass., secretary.

Contents, page 942.

Advertising Rates, 942.

Index to Advertisers, 970.

Ready Reference Advts., 971.

SUGGESTIONS FOR FLORISTS.

The Handling of Holly.

If you have large halls to decorate southern holly will answer. The best, however, known as Delaware holly, is to be used for sale to your customers in small quantities, or to make into wreaths whenever a fair price can be obtained. The price per case of good holly delivered at your door is about $5, and if you have to sell the contents in small lots, it takes good management on your part if you wish to double your money on the investment. If you had reason to be dissatisfied with last year's result, give the method we employ in handling holly a trial.

Our order for what we want is given early in the season. We receive the first consignment December 10, the second December 17, the third December 20, and the last December 22. As soon as the cases arrive the long select branches are taken and tied up in bundles. Each bundle gets a tag with the price marked on it, ranging from 25 cents to $1. If we come across any extra fancy stock it is separated from the rest, the ends of the branches are cut off with a sharp knife and it is put in large tubs containing about twelve inches of water and, while it wouldn't pay to go to this trouble with all the holly, it certainly does with the fancy stock, for the few customers you may have who desire the best there is to be had regardless of price. All small, extra well berried, dark green pieces are also kept separate. We have call for them for table decorations. All of the above is then put into a cool, dark place and sprinkled.

The general run of short branches of holly are used for wreaths. We usually wind them on 12-inch rings. We make them as good as we know how, and charge 35 cents for the single and 50 cents for the double ones. We have no trouble in getting our price, and make a reduction only where a large number is ordered. We keep a sample of the wreaths as well as of the loose holly at the store from December 10 on. These are replaced with fresh stock every morning. Attention of customers who enter the store is called to the samples and every order taken is marked down on the order book as well as on what we call the delivery book, which we keep just for Christmas, where a certain number of pages is devoted to each day's delivering from December 15 to 25. Each morning the driver gets the shipping tags, filled out on one side with the address, on the other with articles to be delivered that day. Of course the bulk of the holly orders is delivered on December 24, and it is well that this is the case, as nothing kills holly quicker than two or three days in a hot, dry, room.

Pansies.

You have, no doubt, a nice frame full of pansies. They were grown from seed sown last August and transplanted in September three to four inches apart, where they are now. They will stay there until sold next April when in bloom. If you have sashes to spare it is well to cover the frames now; a little brush and leaves will answer if you have no sashes.

With us the pansy, myosotis and bellis open up the bedding season, and while the demand for forget-me-nots and English daisies is limited, we rarely have enough good pansies. By good pansies is meant nice, stocky plants properly grown from the best seed obtainable. You need not send to Europe for the seed—almost all our reliable seed houses have it, and there are quite a number of men in this country now who make the growing of pansies for seed a specialty, and offer excellent strains. Pansies are of such easy culture, take up so little space and pay, I might say, better than any other bedding plant, and yet one will find plenty of men in the business who will buy their plants in spring in bloom and have them shipped 700 miles, and wonder why they can't get their money back when they bought so cheap.

While the fall sown pansies make the best blooming plants for spring sales, they as a rule will be played out before the season is over. Seed sown about December 15, or the early part of January, will make the best summer bloomers,

and you will find ready sale for them when your early ones are sold.

Should you wish to have, say 2,000 or 3,000 plants, buy one-quarter ounce of yellow, one-eighth ounce of azure blue, one-eighth ounce of white and one-half ounce of mixed. You will then have the right proportions, and can give your lady customer the colors she wants, should she desire to have them separate.

We sow about the middle of December; transplant closely in flats in January, and again in March, when we plant them about two inches apart. They are planted in the frame the first chance we get in April. The sashes which protected the fall sown pansies are used for a few days to help the young plants to get established and hardened off. For your customers to have the best result with pansies, don't forget to tell them that the pansy loves a deep and rather rich soil; that it likes to be protected against the hot afternoon sun; wants to be watered, the soil cultivated, and the plants kept free from seed pods; and the earlier you can get them planted the better, as only well established plants can stand the summer heat.

Cyclamens.

If you have neglected to sow your cyclamens in September or October; or, if the seed sown did not come up as well as you expected, you can sow another lot now. We have always been successful with December sown stock, a good 6-inch pot plant in bloom can be grown nicely in 12 months, and we have exhibited prize plants in bloom which were only 10 months old. They measured 15 inches across, averaged nine blooms to the plant in 6-inch pots when judged and there isn't any reason why you can't do the same if you follow the cultural directions given from time to time in these columns.

About 25 years ago the writer was taught that four different kinds of soil, and special brands of sand and manure, all properly mixed and finely sifted, were necessary to grow cyclamens successfully. Since then matters have changed. We never sift soil, except for a few varieties of seeds, and cyclamens grown separately in light, medium and heavy soils, at the end of the season, being treated alike in regard to watering, syringing, shading, etc., all looked alike. The only difference was that those in light soil bloomed earlier, a fact to be taken into consideration, as one flowering cyclamen in December is worth three in January.

After having paid strict attention to the successful growing of cyclamens we have come to the conclusion that nine out of ten failures are due not as much to the wrong kind of soil, or neglect in taking care of the plant below the tuber, as to the improper conditions surrounding the upper part of the plant. The cyclamen belongs to that great family of primulas and any soil suitable for your greenhouse primulas will do for cyclamens. The most important thing in the growing of cyclamen is to keep the plant growing without the least check up to September, and while you don't want to neglect the plants after that, an entirely different treatment is required to finish the plant, develop the then appearing buds and get them into bloom.

We will call your attention to all this later. For the present, if you wish to grow some, get the best mixed seed; use a flat with about three inches of porous soil; sow broadcast or in drills; press seeds down gently, cover lightly and water thoroughly. We cover our flats with glass. It maintains a moister atmosphere and better growing conditions. Put the flats into a rose house temperature. Seed will, of course, come up quicker if you can use a little bottom heat. We go over our flats a couple of days after seeding and re-cover such seed as may be exposed. Keep your flats moist, and don't expose them to the sun. Good seed will begin to germinate in about 14 days and keep on coming up for five weeks.

We transplant the seedlings as soon as they are large enough to handle. They go into other flats about three inches apart and stay there until March. Keep them in a temperature of 55° at night. Keep the soil moist (not soaking wet) and cultivated. Syringe the little plants every sunny day, twice will be better—they like it. The young plants require a rather moist atmosphere. You can create that to a certain extent by syringing. This must be attended to properly, as you can't expect to grow a good specimen in the five months following March if you have a little dried up, pot bound, plant to work on.

Primula Obconica.

Few plants are more useful to the florist who has greenhouses and a retail trade than Primula obconica. Seed sown in April or May will make good flowering plants by November and increase in beauty up to Easter. It makes a fine house plant and one of the most attractive of show or window plants. What we prize it more for, however, is its usefulness as a cut flower for funeral work. While the writer isn't by any means an admirer of any set pieces, yet as long as the public demands work of that character, there is only one way out of it and that it is to supply them. When roses and carnations bring high prices in winter, and you have a large funeral order is the time when you appreciate to the fullest extent the value of your blooming obconicas.

If you have, say 200 good plants, you can cut every day, and if you give them four weeks to rest before Easter, four to five plants put into a 10-inch dish will make one of the best selling Easter plants. You will find a number of advertisements in this issue offering this variety. If you have room see that you get some good, strong, 2½-inch stock; put these in 4-inch pots, keep them a little warmer than you would Primula Chinensis, and while a little late in the season they will yet make good plants in a short time.

Hardy Phlox.

Regarding the proper names of the different varieties of phlox, we have at present the same trouble as with peonies. The same varieties are sold under different names by different firms, which is confusing to the buyer and misleading, and the sooner we have a national society to adjust these mistakes the better. Should you have a few field clumps of desirable colors, such as good whites or cerise pinks, you can yet take them up, even if the soil is frozen, and if planted out like your stock plants of chrysanthemums, you will be able to make a lot of cuttings this winter. When rooted put into 2½-inch pots, plant in the field and they will make fine salable stock by next fall.

The demand for hardy phlox has increased wonderfully in the last few years. They are more extensively used now than ever before, no doubt due to the large flowers and good colors which are offered in the newer varieties; planted out in clumps along the edge of an irregular shrub border, they certainly give us a mass of color at a time of the year when most shrubs are done blooming for the season.

Chrysanthemum.

It is not yet too late to order some stock plants of the newer varieties. Should you have any bench room it will be cheaper to make your own cuttings than to buy them in spring; and while there are quite a number of excellent new varieties, of which you may have taken notice at the fall shows, don't forget to grow Clementine Touset, one of the best of earlies, and that grand late white Jeanne Nonin. I think they were both introduced by the E. G. Hill Co., and are certainly money makers.

The Hanford, Cal. Convention.

The joint convention of the Pacific Coast association of nurserymen, California fruit growers, and horticultural commissioners and inspectors was held at Hanford, Cal., December 4-8. A number of interesting and instructive papers were read and many well known horticulturists were present. Special rates were in force from all parts on the certificate plan.

The following is the official programme: December 4, morning—"Invocation and address of Welcome," by Rev. J. W. Maunt and H. A. Beekins, Mayor of Hanford, followed by addresses by Ellwood Cooper, Governor Geo. C. Pardee and J. D. Biddle, the response to the first address being by E. L. Smith. Afternoon — papers on "Table grapes; growing and packing," by Mrs. Minna E. Sherman; "Wine as a remedy for the evil of intemperance," by A. Sharboro; "The fruit growers' aim," by H. C. Rowley, and "Growing the eucalyptus," by Dr. W. S. Miller, were read. The appointment of committees was followed by a reception. December 5, morning—following an address by F. W. Power, papers on "Benefits to be derived from the Pacific Coast Nurseryman's Association and the American Association of Nurserymen," by S. A. Miller; "The nursery business in California," by Leonard Coates; "European methods," by J. B. Pilkington; "Fruit varieties," by Prof. E. J. Wickson, and "Introductions of possible interest to nurserymen," by Prof. P. H. Dorsett, were read. Afternoon — "What fruit growers and inspectors expect from nurserymen," by H. P. Stabler; "Inspection laws of California," by Geo. C. Roeding; "Need of uniform inspection law," by A. Eckhart; "Investigation and application," by Prof. N. L. Kellog, and "The relation of nurserymen to growers," by A. N. Judd, were the papers read. Evening — "Pear blight conditions," by Prof M. B. Waite; "Recent

progress in entomology," by Prof. C. W. Woodworth; "The horticultural commissioner," by R. P. Cundiff; "Root stock in planting," by A. D. Bishop, and "Barring out suspected stock," by S. A. Pease. December 6, morning—"Horticultural uses of university farm," by Prof. Wickson; "The water supply of the Sierra Nevada mountains," by John Tuohy; "The importance of drainage in the San Joaquin valley," by John S. Dore; "The relation of bees to the fruit industry," by J. M. Rankin, and "The United States plant introduction garden and its value to California," by Roland McKee. These were followed by an excursion to Lemoore and points around Hanford. In the evening an address by J. A. Tilcher was followed by the following papers: "Report of fruit distributors," by Alden Henderson; "Report of committee on transportation," by R. D. Stephens; "The pecuniary value of good roads to the fruit grower," by A. R. Sprague, and "A fixed price for prunes and how to obtain it," by John Luther Bowers. December 7, morning—"Green manuring of orchards," by James A. Mills; "The fruit grower as a factor in government," by Edward Berwick, and "The fruit industry of Tulare County," by P. D. Fowler. Afternoon—"Methods of increasing the bearing of Muscat vines," by Prof. F. T. Bioletti; "The economic value of wild birds," by W. R. McIntosh; "A further plea for selection," by Leonard Coates, and "The fruit grower and the Country Press," by Fred A. Dodge.

CHRYSANTHEMUMS

Cut Blooms for Various Purposes.

Under the above caption is published in THE AMERICAN FLORIST an interesting article on chrysanthemums by Elmer D. Smith. The qualifications requisite for blooms for exhibition and commercial purposes are accurately described. The illustration shows quite accurately the differences existing between the two varieties named, but the statement that "the accompanying illustration shows the marked difference between American and European progeny" is exceedingly misleading, to say the least. For the writer to draw his general conclusion from one such comparison is palpably unfair. Why not take into consideration such overlooked varieties as Clementine Touset, Jeanne Nonin, Marie Liger, Mme. F. Perrin, Mrs. Coombs, Mrs. Barkley, Matchless, Miss Alice Byron, Mrs. Geo. Beach, Beatrice May, etc. These are varieties which have been proven good commercial varieties, some have held and some are holding a place as the very best varieties extant in their respective classes. It is true that many importations are good only for exhibition, but the statement that the percentage of those good commercially does not exceed two is incorrect.

Again the statement is made that to secure perfect flowers of the foreign varieties it is imperative that early buds be taken. The writer surely did not intend to make his statement so general as it appears, for as it stands, it is inaccurate and confusing. It is, with a few exceptions, true of varieties coming from England. However, many of the French varieties make magnificent commercial blooms from late buds. It is true the foreign catalogues frequently recommend an early bud, while experience proves the late bud the best in the United States.

NATHAN SMITH & SON'S NEW CHRYSANTHEMUM IALENE.
Daybreak pink Mrs. Robinson with Duckham stem and foliage.

As a general statement, again with a few eminent exceptions, it may be said that varieties which must be given a long season of growth and bloomed on the first crown bud in order to produce their best results, are not varieties to be recommended for commercial purposes. It is fair to conclude that the commercial scale of the C. S. A. fairly reflects the opinion of the leading experts of the country as to what constitutes a commercial bloom. Judged by this scale the majority of the certificates granted during the current year, including some of the highest scores, were on French sorts. All the seedling classes in Chicago including sweepstakes were won by French sorts.

In view of these and other facts which could be mentioned, it is rather difficult to understand the sweeping statements consigning them all to the exhibition classes and advising commercial growers to shun them. Let us endeavor to state the facts fairly even at the expense of our patriotism. We are ready to admit that a better percentage of the American raised sorts are good commercials. This may be explained partly by the immensely greater number of foreign kinds and a consideration of the different standards of judging in the different countries, but we firmly believe that some of the very best commercials being offered to the trade today are of French origin.

FRED H. LEMON.

Richmond, Ind.

Chrysanthemum Society of America.

EXAMINING COMMITTEES.

President Duckham has announced the committees to examine seedlings and sports on dates as follows: October 6, 13, 20, 27 and November 3, 10, 17 and 24, 1906. Exhibits, to receive attention from the committees, must in all cases be prepaid to destination and the entry fee of $2 should be forwarded to the secretary not later than Tuesday of the week preceding examination, or may ac-

company the blooms. Special attention is called to the rule requiring that sports to receive a certificate must pass three committees.

New York, Eugene Dailledouze, chairman, 55 and 57 West Twenty-sixth street, Thos. W. Head and Wm. Turner.

Philadelphia, Pa., A. B. Cartledge, chairman, 1514 Chestnut street, John Westcott and Wm. K. Harris.

Boston, Mass., E. A. Wood, chairman, Wm. Nicholson and James Wheeler. Ship flowers to Boston Flower Market, care of John Walsh.

Cincinnati, O., R. Witterstaetter, chairman, James Allen and Wm. Jackson. Ship flowers to Jabez Elliott Flower Market, care of janitor.

Chicago, J. S. Wilson, chairman, J. B. Deamud and Geo. Wienhoeber. Ship flowers care of J. B. Deamud, 51 Wabash avenue.

OFFICIAL JUDGING SCALES.

The official scales of the society are as follows:

FOR COMMERCIAL PURPOSES.

Color	20
Form	15
Fullness	10
Stem	15
Foliage	15
Substance	15
Size	10
Total	100

FOR EXHIBITION PURPOSES.

Color	10
Stem	5
Foliage	5
Fullness	15
Form	15
Depth	15
Size	35
Total	100

WORK OF COMMITTEES.

Chicago, Nov. 17. Sadie May Stremler, sport of Queen, exhibited by J. S. Stremler, Princeton, Ky., scored 81 points commercial scale.

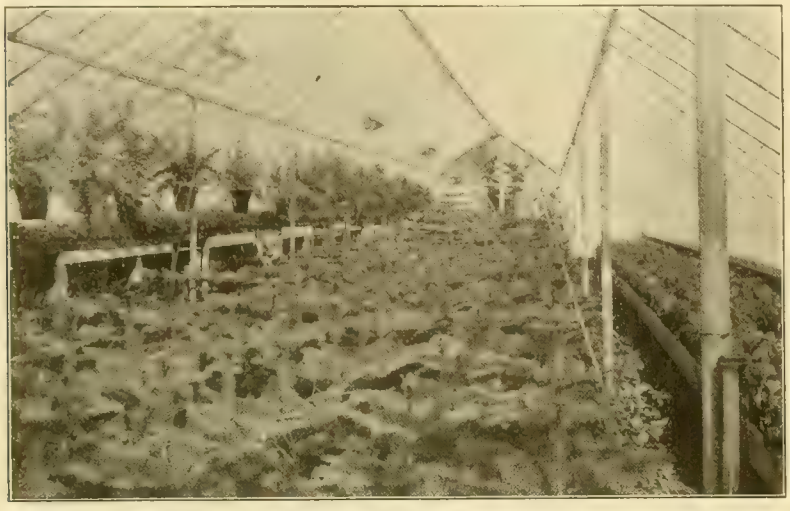
New York, December 1. Mlle. Jeanne Rosette, rose pink and silver reverse, Japanese incurved, exhibited by the E. G. Hill Co., scored 90 points commercial scale.

Philadelphia, December 1. Mlle. Jeanne Rosette, rose pink, Japanese incurved, exhibited by the E. G. Hill Co., scored 86 points commercial and 87 exhibition scale.

Cincinnati, December 1. Mlle. Jeanne Rosette, pink, Japanese incurved, exhibited by the E. G. Hill Co., scored 90 points commercial and 91 exhibition scale.

Philadelphia, November 26. Sport of T. Eaton, white, Japanese incurved, exhibited by J. S. Stremler, Princeton, Ky., scored 81 points commercial scale. In a note from A. B. Cartledge, chairman of the Philadelphia committee, he states the variety shown was so entirely different from Eaton, he wondered if the raiser could have been mistaken in any way. I wrote to Mr. Stremler and in reply he said he found the variety in 1904 among his Eaton plants and does not know where it came from except it be a sport from Eaton. He sent two blooms to the E. G. Hill Co., who state that probably it was Mrs. Jerome Jones.

DAVID FRASER, Sec'y.



ARAUCARIAS AT GODFREY ASCHMANN'S ESTABLISHMENT, PHILADELPHIA, PA.

Siebrecht's Orchids.

Any one interested in the culture of orchids on a commercial basis would find a visit to the greenhouses of Siebrecht & Son, New Rochelle, a few miles out of New York city, repay amply the time spent for the purpose. A large house of Cattleya labiata is just now in full crop. The plants on the benches show several thousand flowers, and make an exhibition such as is seldom seen. While no attempt is made to produce specimen plants, as many as 40 flowers have been cut from some of them. Many are to be seen with 20 flowers, and these are more in line with the demand in a commercial sense. When plants become large enough they are divided, and the sections established in 6-inch and 7-inch pots.

There are 11 houses devoted exclusively to orchids, and with few exceptions the varieties are those best adapted for the cut flower trade. Cattleya labiata is in season just now, and this will be followed by C. Trianæ, which will come into cut in December. There are two fine houses of C. Trianæ, some 1500 plants being benched in each, which will yield possibly a crop of 30,000 flowers, the number of sheaths now in evidence allowing of this estimate. Watering is done about once every three days, the period running a little longer at some seasons.

C. Schrœderiana, which in some establishments flowers next, is not benched here, not having been found an especially valuable commercial sort. C. Trianæ enjoys an extended season, and here is followed by C. Mossiæ which allows cutting from May until July. C. gigas succeeds for summer blooms, and a large stock, which was recently imported, has just been benched. This variety suffers somewhat in transit from its habitat, only about 60 per cent surviving. C. Mendelii, with sepals and petals light and lip dark, is grown here. It is a vigorous and easily grown sort, and is useful as coming in a little later than C. Mossiæ.

C. Warneri, flowering in May something like C. labiata, is not often seen in commercial places, being rather a hard one to import and raise. There are about 200 plants here, looking very promising. C. Bowringeana is grown

ESTABLISHMENT OF GODFREY ASCHMANN, PHILADELPHIA, PA.

One of the fern houses.

largely for decorative work. It is a native of British Honduras and something like C. Skinneri. The flowers grow on long spikes, sometimes as many as 50 to the spike although 30 is ordinarily the limit. For table centerpieces it is considered better than C. labiata. The Easter cattleya is C. Skinneri, the flowers of which are small, but they are alone in their season.

HOUSE OF CATTLEYA LABIATA AT SIEBRECHT & SON'S, NEW ROCHELLE, N. Y.

Cattleya citrina, the tulip orchid, is grown as a novelty for florists' windows. It grows in a cool house on blocks of bark or wood and requires little attention.

There is quite a stock of Dendrobium formosum giganteum, which flowers right along, and is much used for weddings, funerals, etc. Dendrobium Phalænopsis, very fine for florists' use, is now flowering well. It is admirably adapted for bouquets and similar work, its beautiful mauve flowers on long spikes, making it especially desirable for cutting. The flowers sometimes last for six weeks on the plants. The color varies in depth of shade, the flowers rarely coming two sprays alike from different plants. Dendrobium nobile is well grown here, and it has some advantages over other kinds. It gives blooms in March and April. The plants are located in a cool house in winter, and given all the sun they can get to ripen the wood. They may be flowered nicely in a temperature of 50°. If wanted very early they are taken into strong heat.

Phalænopsis Schilleriana, a beautiful pink, and P. amabilis, white, are grown here successfully, and flower in February. P. Stuartiana is coming in now, and sometimes gives three spikes of flowers. Phalænopsids like plenty of Condace is a fine deep pink variety, not Native to the Philippine islands natural conditions are hard to imitate. Grown here in baskets elevated in the ash benches on bottoms of pots the roots get a good supply of air.

There is a house of Lælia autumnalis, L. albida and L. anceps, the latter grown for plant sales, as the flower does not last well when cut. Odontoglossum crispum is also to be seen in flower in this house.

WITH THE GROWERS

Scheiden & Schoos, Evanston, Ill.

John Scheiden and Joseph Schoos are among the more recent additions to the long list of growers around the Chicago district, having bought their plant and commenced business here in April, 1905. At the time of purchase the stock in the houses was in very bad shape, and the really excellent condition in which we recently found the whole place is a tribute to the energy and cultural skill of the members of the new firm. There are two ranges of glass, one 150x150 feet, the other 100x150 feet, nearly all filled with carnations. The last house is entirely filled with Boston Market and Enchantress, and the plants are simply covered with flowers and buds. So excellent was their condition that it prompted inquiries about the soil and we were certainly surprised to hear that the soil in which this fine crop is growing had been used for two previous crops, one of roses and one of carnations. Surely there must be something exceptionally suitable for carnations in the Evanston soil, though probably cultural skill has much more to do with the success.

About 35,000 carnations in all are benched, including 15,000 Boston Market, 8,000 Enchantress, and 6,000 Mrs. T. W. Lawson. Other sorts grown in quantity are Crusader, White Cloud, White Lawson and Harlowarden. A bench containing about 1,200 plants of new seedlings and sports was very interesting, one especially fine red seedling being noted. This is a cross between Mrs. Lawson and Crusader, and the flowers are a deep yet bright red. So full of petals is this fine sort that as Joseph Schoos remarks, you couldn't stuff another petal in. A great point about this variety is its total freedom from rust, and as it lasts exceptionally well, and does not burst the calyx, it should have a future as a market sort. There are several sports from Mrs. Lawson, one being exactly like Melody in color, another very near Rose Pink Enchantress, and a third like a glorified Patten with very distinct stripes, the flowers standing very stiff and erect. Candace is a fine deep pink variety, not over large but exceptionally free flowering and with long stems. Mr. Schoos is propagating this very largely for next season.

A bench containing 1,300 chrysanthemums, Eaton and Yellow Eaton, were very fine indeed, the foliage being in excellent condition, the flowers large and of fine substance. As showing the difference in the condition of the place now and a year ago, it may be mentioned, that in one week last year 8,000 flowers were cut, while the corresponding week of this year showed a total of 35,000. Last season Scheiden and Schoos ship-

CATTLEYA LABIATA AT SIEBRECHT & SON'S, NEW ROCHELLE, N. Y.

ped the whole of their cut to the commission men, but this year they opened up at 60 Wabash avenue, Chicago, as wholesale and commission dealers. Already they are handling the produce of seven or eight growers besides their own, and the goods are moving off well, so there is every prospect of this branch of their business being as satisfactory as they have already made the growing end of it.

Dailledouze Brothers, Flatbush, N. Y.

This account was written several week's ago and has been crowded out by the exhibition reports.

A flying trip to this celebrated establishment September 27 showed that it was keeping in the front rank. Chrysanthemums occupied several houses, but carnations, which have been their specialty for years, are still leaders with them. Of the chrysanthemums, Marquis de Montmort, the light pink, was the earliest and several shipments had already been made. This variety is not much, they say, but having the field to itself, it sells. Mme. Gastellier, a small flower, is an early white, but is little better than an aster. Mlle. Jeanne Nonin this firm thinks the best late white, Nagoya, a fine late yellow, and Gen. Antonio Maceo, a good crimson. A limited lot of Polly Rose is still grown. Col. D. Appleton is a favorite yellow and hard to beat. Miss Alice Byron is a fine salable white and always in demand. Timothy Eaton is still grown and Wm. Duckham cannot be surpassed for a fancy, but requires watching to insure success. Not every grower is certain to do this well, but when in good shape, the price pays for the extra trouble. Rosiere, a new early pink, appeared promising and Cheltoni is classed as a fine yellow.

The carnations in the various ranges were in fine condition. Those in low narrow houses were planted in ground beds, raised about six inches above the floor of the house. Cement sides, about two inches thick at the top, were used in place of boards to hold the soil, which was on tiles laid crossways of the bed with their openings projecting a trifle beyond the cement sides and level with the floor of the house. These open spaces below the bed insure good drainage and keep the soil at the temperature of the house. Wires the length of the bed with strings across are said to be the best supports. In the larger houses raised tables or solid beds with cement sides support the beds for the plants. These beds are drained with tiles just as are the solid beds. Nothing is claimed for this method over the board table but durability, as the cement construction will last indefinitely.

Queen is their best white carnation and is full of buds and flowers. Crimson Glow, a crimson seedling of their own, they like best in its color. It stands best and is a good keeper. Enchantress is still queen in its color. Like many other growers, they cannot say too much for Peter Fisher for having brought out this fine variety. They think it will be a long time before it will be displaced. Lawson they grow inside all summer, thereby getting better stems; these look well. A great prize is the pink sport of Lawson. It is the color of the Bridesmaid rose. Four large benches worked from the original plant now hold the stock which has proved constant in color although this is its third year. It is a beautiful flower, a robust grower and will be their only variety of its color next year.

Prosperity is a favorite. This is said by some to be shy at certain seasons, but they say it is very free at all times with them. A house is also given to Lieut. Peary, which is, they think, a fine white. For red they have a house of Victory and are much pleased with it. It seems very free and of exceptional brilliance in color. The entire plant consists of about 100,000 feet of glass, a hot water system furnishes the heat. The flowers are picked the first thing every morning, placed in jars of water in a cool shed on tables and shipped to market the next day. Asked for the cause of stem rot, they said dampness was mainly to blame. Carnations should always be set out in the field on high ground. Sometimes it was bred in the cutting bed. They made it a rule never to set back unrooted cuttings into the sand as they were almost sure to breed fungus.

The Peerless repair clamp for holding a cracked pane of glass together is a cap of tin 3 inches long and one quarter deep, which slips over and holds the two pieces together. They consider it a great saver of glass as it makes the pane almost as good as new.

A few blocks away is the home of the Scottii fern. Thousands of plants are to be seen in all sizes, many ready now, but most of the stock is coming in so

NEW SEEDLING CARNATION AT SCHEIDEN & SCHOOS, EVANSTON, ILL.

ESTABLISHMENT OF SCHEIDEN & SCHOOS, EVANSTON, ILL.

House of white and yellow Eaton chrysanthemums. Joseph Schoos in the foreground.

CHURCH DECORATIONS FOR WEDDING, BY SMITH & FETTERS, CLEVELAND, O.

as to be at its best for the holidays and after. Much of this had been growing on tables and were later lifted and planted in pots. Nowhere in the country does this fern look so well as here.

A feature of the place is two houses of gardenias, stock set out of 3-inch pots last June and now, after a splendid growth, is full of buds, which should be at their best in November and December. There were houses of Begonia Gloire de Lorraine and cyclamen, also palms and pandanus, all showing the hand of the careful grower.

CHAS. ZELLER & SON'S ESTABLISHMENT.

The usual choice Otaheite oranges were seen here. There is never enough of this good stock to go around. Cyclamen also looked well here as did also the ardisias. A block of camellias, imported last spring, were well set with buds. There is an increasing demand for this flower. Outside there was a fine collection of cannas, chief among them being Buttercup, Crimson Bedder, David Harum and Beaute Poitevine. Some peppers were seen in 6-inch pots and should be very salable.

AT LOUIS SCHMUTZ' ESTABLISHMENT.

Louis Schmutz had just returned from his European trip. His stock looked well, particularly a bed of Ficus elastica which had made many natural breaks.

K.

ITHACA, N. Y.—Prof. L. H. Bailey has been elected president of the Associated Agricultural Colleges and Experiment Stations of the United States.

THE RETAIL TRADE

Decorations for Cleveland Wedding.

The floral decorations at the McBride-Sherman wedding which took place at 4 p. m. on November 21 were by Smith & Fetters of Euclid avenue, Cleveland, and as may be seen in the accompanying photograph were of an ornate character. The back and side walls at the altar were hung with white cheesecloth, sprayed with southern smilax and white chrysanthemums. Twenty-four candelabra showered with white chrysanthemums, each containing seven cathedral candles, were arranged on either side of the altar.

White chrysanthemums and smilax were also used for draping the chandeliers and these were connected with garlands of white roses and asparagus. The end of each pew was adorned by a large bunch of white roses, 5,000 of these flowers and 2,000 white chrysanthemums in all being used. Some 300 large palms were also used in the decorations, which were in every way a credit to the clever florists to whom the work was entrusted.

Otto Young Floral Offerings.

The funeral of Otto Young, of Chicago, on December 1, was one that called for numerous and costly floral offerings. Mr. Young's prominence in business circles and his numerous philanthropies, aside from his immense wealth, made him an exceptionally notable figure. Chas. A. Samuelson handled the orders from members of the family and near relatives. A pall was furnished in which 6000 lily of the valley were used, also a 6-foot cross of white roses and lily of the valley and a 5-foot cross of violets and lily of the valley. Several 30-inch wreaths, of lily of the valley, of violets, of American Beauty roses, of Richmond roses and of Roman hyacinths figure in the offerings.

Other florists catering to the high class trade had a share in the work. H. C. Rowe sent to the residence a pillow on a 46-inch frame composed of 7000 violets, 300 lily of the valley and six dozen orchids. Mr. Rowe also furnished a large wreath of violets, another of orchids, a casket bunch of American Beauty roses and a large bunch of chrysanthemums. P. J. Hauswirth supplied a set piece of gates-ajar and several casket bunches. A. Lange supplied quite a number of wreaths and sprays. Other florists, notably Wm. J. Smythe, J. Mangel, O. J. Friedman and the Fleischman Floral Co. furnished wreaths and bunches.

Spencer Funeral Floral Designs.

The funeral of Samuel Spencer, president of the Southern R. R., who met sudden death in an accident on his own road on Thanksgiving morning, was held at St. John's P. E. church, Washington, D. C., December 2 at 2 p. m. Not since the funeral of Senator Hanna has the national capital witnessed a grouping of so many elaborate designs. They came

from such men as E. H. Harriman, George Westinghouse and a host of others prominently identified with railway interests. Some of the finest pieces were from employes of the Southern.

An easel, executed by the Gude Brothers Co., was eight feet high, cattleyas, roses, chrysanthemums and lily of the valley entering largely into its construction. The Gude Co. also furnished a large urn of white flowers decorated with cattleyas and draped with a scarf of corresponding shade; the pedestal was encircled by a garland of roses and lily of the valley. It was an exceptionally fine piece of work. For the surgeons of the Southern road, Small executed, in addition to others, a particularly appropriate design, a large red cross in a wreath of green. Other fine designs were executed by the Washington Florists' Co., Z. D. Blackistone, George Shaffer and Geo. H. Cooke. The arrangement of the flowers at the family residence and St. John's was under the direction of J. H. Small & Sons. In moving the designs from the home to the church three large delivery wagons were filled.

S. E.

Recent Wedding Decorations.

Miss Ethel Marie Janvier was married to Charles Irving Porter in the old South church at Boston October 10. At the church the sanctuary was decorated principally with pink hydrangeas backed up with fine palms and bay trees. The bride's bouquet was composed of lily of the valley and she also wore these flowers in her veil. Killarney roses were carried by the maid of honor and the same beautiful rose was used in conjunction with smilax at the reception at the home of the bride. Here also white chrysanthemums and autumn foliage were used with good effect, yellow ones and smilax being used in the hall and library.

A pretty wedding took place at Elm street, Gardner, Mass., at the home of the bride's father, Alfred S. Clark. His daughter, Miss Minnie Javett Clark, was united to William A. Chapman, of Brooklyn, N. Y., and carried a fine bouquet of Bride roses the bridesmaids carrying carnations. The reception room was tastefully decorated with autumn leaves and cut flowers, a wedding bell under which the bridal couple stood being suspended from the ceiling. Pot

Prize Bridal Bouquet.
By J. S. Simmons, Toronto, Canada.

plants and banks of asparagus and white carnations completed the floral arrangements which were carried out by S. D. Henshaw with the assistance of the family.

At a recent Chicago wedding the bridal bouquet was a shower of lily of the valley and the bride wore also a wreath of orange blossom. The maid and matron of honor both carried pink roses and a little flower girl carried a basket of rose petals. At the reception all the decorations were in pink and white.

The Second Congregational church, Holyoke, Mass., was elaborately decorated for the Judd-Newton wedding October 17 with autumn foliage, boughs of green and scarlet oak predominating. The bride carried a bouquet of white bouvardia an unusual event though why these beautiful flowers are not more used it is difficult to say. Killarney roses and maidenhair ferns were used in the bouquets carried by the bridesmaid and maid of honor. The flower girl dressed in white carried a Leghorn hat filled with pink Bon Silene rose buds. Palms, roses, and hydrangeas were used in the screen before which the bridal couple received their friends, the parlor and dining room decorations being effectively carried out in pink and yellow chrysanthemums respectively.

Palms, hydrangeas, ferns, and chrysanthemums were the principal plants used in the church decorations at the Watson-Ramage wedding, Holyoke, Mass., October 17, and the same kinds were used with good effect at the house of the bride's mother. All white flowers were carried by the bride, her bouquet consisting of Bride roses. The wedding was a very brilliant one and was witnessed by over 500 guests from Springfield and other New England cities.

New Canadian Tariff.

In the new tariff of import duties to be established by the Canadian government there are some important changes made in regard to importations of plants, fruits and vegetables. Palms, which were formerly free, and ferns, rubber plants, gladioli, cannas, dahlias, and peonies, which were dutiable at 20 per cent, are provided for at British preferential 15 per cent; intermediate 22½ per cent; general 25 per cent.

Azaleas, rhododendrons, pot grown lilacs and dormant roots, not otherwise

PRIZE DINNER TABLE DECORATION AT THE TORONTO EXHIBITION.
By J. H. Dunlop.

provided for in the tariff and formerly dutiable at 20 per cent, are made free.

For departmental reasons, on account of difficulty in following values, specific duties have been placed on pears, apricots and nectarines, formerly dutiable at 20 per cent, as follows: British preferential 35 cents per 100 pounds; intermediate 45 cents per 100 pounds; general 50 cents per 100 pounds. These rates also apply to plums and quinces, which were formerly dutiable at 25 per cent.

AT THE PARIS CHRYSANTHEMUM SHOW.
See issue of December 1, page 888.

Similar action and for the same reason has been taken in regard to melons. The new rates are, British preferential 2 cents each; intermediate 2½ cents each; general 3 cents each, as against the former duty of 25 per cent. Oranges, lemons, and limes, are transferred to the free list along with shaddocks or grape fruits, which have been free. The duty collected on oranges, lemons and limes last year amounted to $187,807.

Vegetables not otherwise specially mentioned, and subject in the old traiff to British preferential 16 2-3 per cent, and general 25 per cent, will on the new basis be dutiable as preferential 15 per cent; intermediate 27½ per cent, and general 30 per cent. Fresh tomatoes, formerly preferential 13 1-3 cents per bushel and 6 2-3 per cent; and general at 20 cents per bushel and 10 per cent; are now to be British preferential 50 cents per 100 pounds; intermediate 65 cents per 100 pounds, and general 75 cents per 100 pounds.

On beans, peas, buckwheat and barley the duty is raised considerably, as also on hops. Common and colorless window glass continues under the old rate, excepting that an intermediate rate has been fixed.

The intermediate rate established will affect no line of imports at present, being made for use as a special offer in case overtures for reciprocal concessions in trade are made by other countries than Great Britain or her colonies, whose goods will enter at the preferential rate.

American Carnation Society.

CARNATIONS REGISTERED.

By James D. Cockroft, Northport, L. I., N. Y. Harvard, a cross between Prosperity and Maceo, color, glowing crimson, just the Harvard color, size 3½ to 4 inches, calyx, non-bursting, stiff stems averaging 30 inches in length from early fall to spring. Has an exceptionally clean habit and is a free bloomer.

Georgia, a cross between Prosperity and Morning Glory, color clear white, size 3½ to 4 inches, calyx does not burst, strong stems 24 to 30 inches in length, an exceptional keeper with a growth where every shoot produces a flower and is very fragrant.

Faust, a cross between Maceo and Morning Glory, color bright scarlet, size 2½ to 3 inches, strong calyx which will not burst, strong, stiff stem, two to three feet in length. A good clean grower producing flowers all the time.

About a month back Stevenson Bros., of Govanstown, Md., registered with this society a carnation under the name of Debutante, this registration was made early in the week, but in order that registrations may appear in all of the Trade papers simultaneously the Secretary holds all registrations received during the week until Saturday, and they then appear the following week. On account of this delay of one week another carnation appeared in print under the name of Debutante and although it was not registered with any society, this of course gave this carnation precedence in print, and as the owner thereof would not consent to change the name, Stevenson Bros. have kindly consented to change the name of theirs in order that there may be no confusion in the trade. They now register their carnation under the name of Splendor; it is a very pretty shade of pink, large flower, good calyx, stiff stem, extremely prolific and a grand keeper.

ALBERT M. HERR.

To Be Done Now.

IN THE GREENHOUSES.

Rake out all dead leaves from the rose benches regularly, using a small-toothed rake to avoid injury to surface roots.

Clear out the remains of any crops that have been growing on the benches to be used for propagating, and get these cleaned up ready for use.

Large calla flowers are not always desirable, but if they are specially needed, the plants must be regularly fed with manure water from now on.

Remove a little at a time of the useless wood on the older roses. This does not check the plants like taking a lot away at one time.

Do as little feeding as possible to the violets that are to be retained for stock plants. Keep them in cultural condition of course.

Take care of the stock plants of double white petunias. A good strain of this plant is extremely useful for decoration, and the flowers may be used for design work.

Cow manure dried and crushed is the best of all manures for top-dressing rose benches.

Soot water is an excellent fungicide. Place a bag of soot in a barrel, allow the contents to settle, and use about one part to six of water.

Fuchsias, bouvardias and similar plants that are to be dried off must be

AT THE PARIS CHRYSANTHEMUM SHOW.
See issue of December 1, page 888.

dried gradually, not all at once, as this is too great a strain on the plant.

IN THE STORE.

Arrange cut orchids in small specimen glasses or some similar receptacles. Bunches of cattleyas, as frequently seen in the windows, are not attractive.

Always be ready to advise your customers as to suitable devices or decorations if they seem to need it, but do not force your opinions against their wishes.

Get at all banquet and dinner table orders early enough to allow full time for cleaning up, but not a minute earlier than is really necessary, freshness being a great point.

Florists who persist in crowding their windows pay a heavy price for an unattractive display.

Several shades of one color, no matter how attractive in themselves, are seldom satisfactory when arranged together. Strong contrasts are usually to be preferred.

Boxes for shipping cut flowers in should have the handle a little out of the center towards the blooms. In carrying, these are then kept higher than the stem end.

An air and dust proof window soon saves its price, as flowers last so much better in it, and being kept clean, look better at all times.

If you have no greenhouse arrange with a local grower to freshen up your plants occasionally. Never leave them around the store until they have to be thrown away.

In all cases where it is important that wreaths should last well, use asparagus instead of maidenhair fern.

OUTDOORS.

Keep off the soil when it is wet, and when it treads into a pasty mass, no matter what the work is that needs doing.

Stake all trees immediately they are planted; if allowed to blow about in the wind they will never take a hold on the soil.

As long as the weather keeps open keep on with mending the lawns, but do not touch them when frosty.

At odd times take up any drains under walks or drives that have been giving trouble during the heavy rains of autumn and get them well cleaned out.

It is too late now to transplant hollies and other evergreens. Leave them now until spring. Some growers consider late summer the best time to shift hollies.

When cleaning up cart all leaves, rough grass and turf clippings to a heap or pit. After rotting down for a couple of years they make excellent material for top-dressing shrubberies.

Go on preparing quarters for planting trees, but unless very mild weather keeps up, no more planting should be done until spring.

Where tree thinning is to be done avoid taking much out at once as this lets in the wind in winter.

Daphne laureola is one of the hardiest and best shrubs for planting underneath other trees or in shady places.

DES MOINES, IA. — The Iowa State Horticultural Society is to hold its forty-first annual convention in the horticultural room at the Capitol December 11, 12 and 13.

Kansas City.

BUSINESS COMPARATIVELY QUIET.

Business in general the past week has been comparatively quiet. There was no great demand for any particular class of work. The weather has been rather disagreeable during the first part of the week, much rain and sleet having fallen. The temperature, however, has ranged rather high. The cloudy weather resulted in a marked shortage in stock. A considerable shrinkage in carnations and violets was evidenced. Chrysanthemums are still an important factor, arriving in good quantities. white and yellow varieties are especially good. Yellow and white Timothy Eaton find much favor with buyers. Intensity was in great demand Thanksgiving day. Bonnaffon, white and yellow, were above the average of other varieties on the market. Pink sorts are comparatively scarce this season. Roses are in fair supply and the demand good. American Beauty roses are scarce and the price pretty well up to the top notch. The demand, however, shows a slight increase with the passing of the better grades of chrysanthemums, which have had a bad effect on the Beauty market. Killarney with most growers is proving to be a splendid rose. Bride and Bridesmaid are fully up to requirements. Cattleyas sell well, which appears characteristic of the present season. Christmas greens, in limited quantities, are in supply. Other greens are plentiful.

NOTES

The W. L. Rock Flower Co.'s store narrowly escaped destruction by fire last week. Some bales of moss which lay too near the furnace became ignited, and only due to the presence of mind of the boys, the blaze was extinguished before any damage was done. This firm had the decorations for the Jaccard Jewelry Co.'s opening.

The trade will regret to learn that Edward Tonquest, who was formerly with Miss Daley, was compelled to return to Colorado on account of poor health.

Mr. Kessler, of Topeka, sends in some extra fine smilax. Each string measures from four to six feet in length and all are fuller than the average.

The window of the Kansas City Floral Co. held some fine vases of yellow and white Timothy Eaton chrysanthemums last week.

Miss Daley's store was very pretty Thanksgiving day. Several cases of wild smilax were used with very good effect.

W. J. Barnes had some choice white Bonnaffon chrysanthemums for the Thanksgiving trade.

The Alpha Floral Co. is moving to its new location near Eleventh and Walnut streets.

Wm. A. Bastian had a large consignment of holly to dispose of last Monday.

Miss Ferguson, of J. W. & E. E. Arnold's, Omaha, was a recent visitor.

K. C.

Detroit.

THANKSGIVING TRADE SATISFACTORY.

Thanksgiving day trade in all its features was highly satisfactory to all concerned. The weather was clear and sufficiently cold to be suggestive of the festive week it was. The heaviest business was done on Wednesday, but the demand continued well into the forenoon of Thursday to a surprising extent. The business of the week did not develop any unusual features to distinguish it from the same period a year ago except in the increased volume transacted, and the embarrassment of many dealers who were unable to supply the spirited demand for violets for which the local market was very inadequate. Chrysanthemums were on the market in great quantities and all the really good stock was sold at remunerative prices while much of that offered was poor and met with its well merited fate. American Beauty roses were in good demand but the supply of good stock was short as was that of all other varieties, which had the effect of advancing the wholesale price of the available stock. Lilies, Paper White narcissus and Roman hyacinths were in evidence but played a minor part in the interest of flower

A SECTION OF THE DENISON, TEX., SHOW.

buyers. Poinsettias made their first appearance of the season and added materially to the variety and attractiveness of the stock offered. Plant sales felt the effect of the stimulated demand of the week and many ferns, cyclamen, chrysanthemums and palms were disposed of. The remaining stock of chrysanthemums now on the market includes very little that is really good and this week will mark their total disappearance from the retail counters and in their stead will be the increased stock of carnations now visible and the seasonable supply of bulbous flowers.

FLORISTS' CLUB MEETING.

The meeting of the Florists' Club occurred the evening of November 21. It was well attended and the proceedings were of exceptional interest to the members and visitors present. H. Knope, foreman of Breitmeyer's Mack avenue greenhouses, read a paper on chrysanthemums.

An exhibition was held in the spacious rooms of the Michigan Cut Flower Exchange under the club's auspices. There were no awards, classifications, or judges appointed, but it is needless to say that the stock shown was nevertheless well judged by the many interested growers present.

J. F. S.

Milwaukee.

NEWS OF THE DAY.

The demand for flowers this Thanksgiving was all that could be desired. We are glad to know that Gus Pohl has profited well by the good sense exercised. A few days before Thanksgiving, when flowers were scarce, he brought in all his customers asked for while the scarcity lasted; consequently he was able to clean out everything he had at fair prices and view with complacency the heavy consignments coming in Tuesday and Wednesday, some of which could not be sold and for which orders had been refused but a short time before. We have frequently heard the query "when will growers learn?" It is encouraging to know that least one grower has learned. By the way, this young man has bought out his partner and is paddling his own canoe which he is fully capable of doing.

Out on the Blaemound road the old Deuster place, now run by the Pollworth Co., has a very tired look. This is the last winter of the lease under which they have operated. They will pull all the houses down before July next. The stock of palms is not as extensive as it has been on account of the recent advance in prices. From various statements which have been current of late, it is quite natural to wonder if a palm trust has not been formed. The stock of calla lilies is in good condition and reminds one of old times. At the new plant further up the road, the latest addition of three carnation houses has just been completed. The plant is a large one and should produce a large and profitable supply of roses and carnations soon. Owing to the scarcity of labor during the summer a portion of the stock has been a trifle late in development.

Fred Schmeling has everything in "apple pie" order. There is an air of thrift that is pleasant to view. Fred himself and his batch of lilies look particularly well. He grows more roses and less of a variety of other plants than he used to do.

There has been considerable interest attracted by a movement started in the Twenty-first ward, advocating a small park for each public school, the park board at the time being about to purchase land a long distance out of town. The small park movement has developed sufficient strength to arrest the movement for the present. At this writing the small park ordinance has passed. The strongest opposition to the large outside park will therefore subside, as both are desirable, but the small parks are most needed just now.

Mrs. Davis, who is artistic in the arrangement of flowers, acknowledges the deficiency of the local flower market in the supply of such green as is desirable for the arrangement of all bulb flowers and chrysanthemums, particularly the single varieties, also daisies, poppies, etc., which demand can only be supplied by a variety of grasses. Why does not some one take this matter up?

For a man who does not pretend to be a gardener, one should see how Geo. Holton manages the Holton & Hunkel greenhouses, there is the finest display of poinsettias we ever saw all ready for Christmas. He has lily of the valley every day of the year, and some of the surplus is sold in Chicago.

Watertown violets and chrysanthemums are still of the choicest in this market. In regard to chrysanthemums people are beginning to realize that the largest flowers are most frequently not the choicest, this is encouraging.

We are very glad to congratulate Fred Holton and wife on the safe arrival on Thanksgiving eve of a daughter. The time was appropriate and their good health and happiness is gratifying to their many friends.

The Greeks have been ousted from the Railway Exchange building. A different sort of a trade is now established there under the name of the Loveland Floral Co., managed by Mr. Droppers.

Ben Gregory has made some very praiseworthy improvements in his retail establishment on the outskirts of the city; it is now quite a model.

Herman Stapes has become quite a specialist in American Beauty roses.

C. B. W.

Toronto.

BEST NOVEMBER ON RECORD.

Business for the month of November was the best ever experienced by the retail florists in this section for the same month of the year. All through the month there was a plentiful supply of stock and especially was this so in chrysanthemums, so many of these being grown in this section at present that many times it was necessary for the growers to dispose of them cheap to get the room. The very noticeable lack of sunshine has been detrimental to the growth of roses but the indications at present are very favorable for a large cut at Christmas time should we be favored with a fair amount of sunshine. Carnations have been about plentiful enough to fill orders and the plants at present are well covered with buds. There has been an unusual demand for violets. The growers who usually cut by the thousands are not cutting more than 1,000 or so a day and these are so quickly gathered up that it is almost impossible to get them. Azaleas have again made their appearance, being noticeable in most of the down town stores.

THE AMERICAN CARNATION SOCIETY.

For the coming convention of the American Carnation Society, everything is progressing favorably. Arrangements have been made for a very large space in the assembly room of the city hall and from present indications everything points to a good exhibition and a successful convention. Arrangements have been made with the government that all stock coming in for exhibition purposes will be brought in in bond and there will be no duty or any expense connected with this exhibition other than of course the usual express charges. Toronto is admirably located for a convention of this kind, lying midway between the east and the west and being well favored with railroad connections. Ample room to accommodate any extra entries or exhibitions can be had in this hall. A large number of special prizes will be offered, and can be had in the premium list issued by the association. There will be an executive meeting next week; the usual cheap rates will prevail. Do not forget certificates.

NOTES.

At the last meeting of the Gardeners' and Florists' Association at St. George's hall, officers were eected for the coming year, as follows: E. Dale, president; A. Houle, first vice president; E. Graham, second vice president; Geo. Mills, treasurer; E. Collins, secretary, and J. Mathews, assistant secretary. J. H. Dunlop, T. Manton, A. G. Jennings, Wm. Jay, W. Ford, D. Macintire, Geo. Douglas and W. Wilshire will compose the executive committee. J. H. Dunlop and T. Manton will be representatives at the industrial exhibition. Wm. Jay, W. Wilshire and E. Collins will act as the committee of the Ontario Horticultural Association.

Her excellency, the Countess Grey and members of the party had an automobile ride and visited J. H. Dunlop's greenhouses where they were personally shown around by Mr. Dunlop. Her excellency has more than an amateur knowledge of greenhouse work and is always enthusiastic over fine stock.

The visit of the vice-regal party from Ottawa helped the florists considerably. The big ball at the King Edward used many flowers for corsage bouquets and boutonnieres.

H. G. D.

Denver.

TRADE GOOD.

The market the past week was very good; everything brought good prices. There was no surplus of anything, the approach of Thanksgiving causing very heavy shipping to the small outside towns. Consequently, the market was very close the day before and on Thanksgiving day. Everything had to be cut very close. Violets brought good prices. This is the first season we know of that chrysanthemums were cut clear out. Anybody that had any

had placed an order for their chrysanthemums two or three weeks ahead, the others had to go without, and we cannot buy any on the market now. Poinsettias were offered in good condition in pans and single blooms and brought holliday prices. Narcissus, Roman hyacinths and lily of the valley are coming in splendidly and in fine quality, also stevia. American Beauty roses are now in great demand on account of the chrysanthemums being cut out, but are very scarce, especially medium and short stems. Richmond roses are coming in very fine long stems and large buds.

NOTES.

The Sylvia Floral Co., which started business a couple of months ago, has closed its doors. The management claims this course is due to not being able to buy up enough stock to run the business, and that the florists here have control of all the stock grown in this city.

Brenkert & Wall's place looks very good, Mr. Brenkert cutting some fine chrysanthemums, especially Major Bonnaffon and White Bonnaffon. They are the finest I have ever seen. The carnations at this place look very healthy, with the prospect of a big crop for Christmas. PLATTE.

OBITUARY.

George Ellwanger.

On Monday, November 26, George Ellwanger, the senior member of the firm Ellwanger & Barry, died at his home in Rochester, N Y., which he had cherished so much for more than an ordinary lifetime. Here he had surrounded himself with his pets, the choicest and rarest trees, shrubs and flowers of all descriptions. He saw these trees grow into magnificent specimens, samples of his own skill, which even today stand unsurpassed.

George Ellwanger was born December 2, 1816, in Gross-Heppbach near Stuttgart, Wurtemberg, Germany, as the son of a vineyardist, and there, under the guidance of his father, received the first lessons in practical horticulture. But the vineyards alone afforded no opportunity to satisfy his eager desire for a thorough and complete knowledge of horticulture in all its various branches and while a mere boy, he was apprenticed to a nurseryman and florist in Stuttgart, where every opportunity was given him to acquire the extensive knowledge for which he was famous in after life.

In 1835 Mr. Ellwanger came to America and soon found employment in Rochester with Reynolds & Bentham, which firm conducted a nursery and seed business. Three years later, in 1838, he bought out his employers and started for himself, but soon after found an able associate in the person of the late P. Barry, and in 1840, the first eight acres of ground were bought to establish the well known Mount Hope Nurseries. On this original ground the office building, greenhouses and trial grounds are still located. From this rather small beginning the nurseries have grown rapidly. Over 1,000 acres are now planted to young trees and shrubs.

Mr. Ellwanger has always paid personal attention to details in the nursery department. For a life time he himself selected all the scions for budding and grafting to avoid the mixing of varieties. He was up early and late. Wherever gangs of men were at work in the fields, often many miles apart and away from the home grounds, Mr. Ellwanger would be sure to pay them a daily visit, to see how the work progressed.

For more than a year old age compelled him to stay away from business cares. Last summer he was at times able to be out in his own spacious private grounds, enjoying the grand old trees, which he had planted and nursed with his own hands years ago. But as the cooler autumn days approached, and the leaves one by one began to fall, his strength, too, failed visibly, and when at last the storms had shaken the last remnants of foliage to the earth, from whence they sprang, he also got ready to pay his tribute to mother earth. Mr. Ellwanger had four sons, three of whom died before him. The fourth son, William D. Ellwanger, is the one surviving him. J. B. K.

MEMORIAL ON MR. ELLWANGER'S DEATH.

At a meeting of the directors of the Rochester Trust and Safe Deposit Company held November 27, the following memorial was adopted:

"Seldom has the span of human life given a record of accomplishment equal to that of our late associate, George Ellwanger, whose death occurred November 26, in the ninetieth year of his age. One of its charter members, this institution owes its existence and in large measure its success to the foresight and energy of Mr. Ellwanger and a few of his associates. Those of us who have served with him on this board for these many years well know the value of his business judgment and counsel, while his uniform courtesy and kindness of heart has endeared him to all. The history of his life for nearly 70 years is almost inseparable from that of the city of Rochester. His contributions of time, money and thought toward the city's beauty, its material and moral advancement, have been equaled by few and exceeded by none of her many public spirited citizens. Out of respect and reverence for his memory, it is ordered that this slight tribute be spread upon our minutes and a copy be sent to his family and the public press."

Albert Zimmerman.

Albert Zimmerman, of Pasadena, died November 22, while returning home with his wife from Arizona, and the funeral services were held the following Sunday, from his late home.

Mr. Zimmerman was for years superintendent of the parks of Pasadena, until failing health compelled him to resign and seek the desert climate, having battled with lung trouble for years. He leaves a wife who has been his constant attendant through his sickness. He also leaves a host of warm friends among the craft.

The Department of Agriculture.

Secretary Wilson, of the Department of Agriculture, has issued his annual report. The following sections will be found of interest to our readers:—

INTRODUCTION OF VALUABLE PLANTS.

In the Bureau of Plant Industry the leading features of the work of the past year have been the co-operative demonstration work with farmers, fruit growers, and others under the careful supervision of Department experts and the introduction of new crops of economic value. One of the most important achievements in this latter line is the discovery of the existence of a Siberian alfalfa, a plant native on the dry steppes of Siberia, where the mercury freezes without snow, thus proving the ability of the plant to withstand without protection a temperature of 40 degrees below zero. This discovery may mark an epoch in the agriculture of the northwest prairie regions of the United States. Among other valuable plants introduced are a vigorous alfalfa from Arabia, and the Tangier pea, which has yielded as high as nine tons of green feed per acre. With a view to increasing the matting industry, the Department's explorers have secured living plants of the best foreign varieties of rushes. Experiments in the propagation of many seeds and plants introduced from foreign countries are being carried on at the Plant Introduction Garden at Chico, Cal.

SUCCESS WITH INTRODUCED PLANTS.

Success is reported with the date palms in California and Arizona. Kharkof wheat, the hardiest winter wheat grown in this country, is now thoroughly established, and wherever it has been introduced the yield per acre is being increased by an average of five bushels. The durum-wheat crop is estimated at about fifty million bushels.

PLANT DISEASES.

The year has been an unusual one in the field of plant pathology. Serious outbreaks of disease kept the staff busy. Success is reported in controlling the pear blight. The efficacy of the method adopted for controlling the little peach disease has been successfully illustrated in Michigan. At the Mississippi Valley laboratory at St. Louis have been conducted investigations of many of the diseases affecting forest and fruit trees. At the subtropical laboratory at Miami, Fla., are conducted investigations of diseases affecting tropical and subtropical plants.

GRAIN STANDARDIZATION.

The Department holds that some system of standardization is necessary as a first step toward securing uniformity of grain grading. Congress at its last session authorized the establishment of laboratories with a view to eventually bringing about this standardization. Two laboratories have been established, one at Baltimore and the other at New Orleans, where a thorough study in the present system of grain grading will be made with a view to reaching methods which will make standardization possible.

DRY-LAND FARMING.

The Secretary voices a caution to the prospective settlers in the Great Plains area. While there are great agricultural possibilities in this region, farming there must be conducted along radically different lines from those in the more humid portions of the United States. In spite of recent abundant rainfall, conditions will doubtless soon resume their normal state, which is one of semiaridity.

GOOD SEED.

Much work has been done in the investigation of seed adulteration and in carrying on the campaign of education on behalf of good seed. Good results have attended work in securing high-grade strains of sugar-beet seed, and especially satisfactory results have been secured in the development of the sugar-beet seed containing a single germ, which will eliminate a considerable portion of the work of thinning.

FRUIT TRANSPORTATION.

Interesting and practical investigations in the methods of harvesting, packing and storing fresh fruits have been continued throughout the year. Studies in fruit transportation have dealt chiefly with the transcontinental shipment of deciduous and citrus fruits of the Pacific coast for the eastern markets.

NEW FRUITS AND PLANTS.

The work of developing by breeding and selection of new types of various plants has been very successful during the past year. This includes new citrus fruits, new pineapple varieties, new early variety of cotton and new

kinds of corn. The tobacco-breeding experiments have proved especially successful, new sorts having already been planted by tobacco growers and are giving excellent results. The tobacco-breeding experiments are being extended to the tobacco-producing areas of Kentucky, Ohio and Virginia, with the promise of results as important as those in Connecticut and Florida.

TEA EXPERIMENTS, INOCULATION TESTS, ETC.

The secretary reports the greatest yield in the history of the tea experiments—something over 12,000 pounds of dry tea. Many field tests in the inoculation of leguminous crops with nitrogen-fixing bacteria are under way on large farms. Farm-management investigations have been continued throughout the year along two principal lines—the study of farm practice and the demonstration of improved methods.

GYPSY AND BROWN-TAIL MOTH PARASITES.

European parasites of the gipsy moth and brown-tail moth have been successfully introduced into this country. Several colonies of parasites were liberated in the open. In return for the services of official entomologists abroad in securing the introduction of beneficial insects into this country the Bureau of Entomology has sought to render to its foreign colleagues similar service. It has been done in several cases successfully.

INSECTS DAMAGING FORESTS.

Investigations of insects damaging forests have progressed in a satisfactory manner, in co-operation with the forest service, resulting in the accumulation of a large store of general information upon forest insects.

OTHER INSECT STUDIES.

Investigations of the insect enemies of deciduous fruit have been carried on at field stations in New York, Georgia, Pennsylvania and Nebraska. Especial investigations have been made on the Hessian fly in the spring-wheat regions, and the work on insects affecting vegetable crops and stored products has been continued. Records have been brought together on the life histories and geographic distribution of the majority of mosquitoes inhabiting North and Central America and the West Indies. A publication has been issued calling attention to the tendency of the house fly to spread the typhoid fever and urging the adoption of methods for its control.

INCREASED APPROPRIATION FOR STATIONS.

Recognition by congress of the great value of the experiment stations as agencies of agricultural advancement through scientific research is reported by the secretary as manifested by the passage of the Adams act, under which the present appropriation of each experiment station, under the Hatch act, will shortly be doubled. In this connection he pays tribute to the late Henry C. Adams, of Wisconsin, the author of this act. He states that the untimely death of Mr. Adams has taken away one of the foremost men in the cause of agricultural progress in this country, and concludes with the assertion that the name of Representative Adams, of Wisconsin, will ever be linked with that of Senator Morrill, of Vermont, and of Representative Hatch, of Missouri, as the author of a measure of fundamental and permanent importance to the institutions which advance and disseminate the knowledge on which our agricultural progress and permanent possibilities largely depend.

GOOD WORK IN HAWAII AND PORTO RICO.

Good work has been done at the Hawaii station toward diversifying the agricultural industries of the islands. This year fully 200 acres of tobacco have been planted. Investigations have been begun looking toward the rehabilitation of the rice industry. In Porto Rico coffee experiments give promising results. An increased yield has resulted from improved methods of cultivation. The Porto Ricans are large consumers of rice, most of which is now imported, and experiments on the suitability of the country for rice growing are being conducted.

Wholesale Plant Prices at New York, November 28, 1906.

Variety.	Size.	Height.	Each.	Dozen.	Per 100.
Araucaria Excelsa	4	3 tiers	$ .50	$ 4 80	$37.50
" "	5½	3 to 4 tiers	.65	6.00	.....
" "	6	4 tiers	1.00	10.00	.....
" "	7	5 tiers	2.50	....	.....
" " Compacta	6	.....	$ .75 to 1.50	....	.....
Areca Lutescens	4	.....	..... (Held to grow on)		
" "	5	.....	.50	....	.....
" "	6	.....	.75 to 1.00	....	.....
" "	7	.....	1.25 to 1.50	....	.....
" "	8	.....	2.00 to 2 50	....	.....
" "	9	bushy	3.00	....	.....
Asparagus Plumosus	2½	.....	.....	....	$ 3 50 to $ 4.00
" "	3	.....	.....	....	5.00 to 6 00
" "	4	.....	.....	....	10.00 to 12.00
" "	5	.....	.....	....	15.00
" "	6	.....	.20 to .35	....	20.00 to 30.00
Asparagus Sprengeri	2	.....	.....	....	2.50 to 3.00
" "	3	.....	.....	....	4.50 to 6.00
" "	4	.....	.....	....	10.00 to 15.00
" "	6	.....	.....	....	25.00
Cocos Weddelliana	3	.....	.....	....	10.00 to 15.00
" "	5	.....	..... scarce		20.00 to 30 00
" " made up	7	.....	.75 to 1.50 scarce		.....
Crotons	4	.....	.25	....	.....
"	5	.....	.35 to .50	....	.....
"	6	.....	.75 to 1.00	....	.....
Cycas Revoluta		.....	.50 up	....	.....
Dracaena Fragrans	4	.....	.25 (usually to grow on)		25 00
" "	5	.....	.50	....	5 .00
" "	6	.....	.75 to 1.00	....	.....
" "	8	.....	1.50 to 2 00	....	.....
" "	10	.....	2 50 to 5.00	....	.....
" Massangeana	5	.....	.75	....	.....
" Terminalis	6	.....	.50 to .75	....	.....
" Godseffiana	4	.....	.25	....	.....
" Sanderiana	3	.....	.15	....	.....
" Lindeni	6	.....	1.25 to 1.50	....	.....
" Gracillis for centers	3	.....	.15	....	.....
Fern Balls (ready Christmas)		.....	.75 to 1.50	....	.....
Ferns for dishes	2¼	.....	.02¼ to .03	....	.....
" " "	3½	.....	.05 to .08	....	.....
" "	4	.....	.10 to .12	....	.....
Ficus Elastica	5	.....	.25	....	25.00
" "	6	.....	.25 to .35	....	25.00 to 30.00
" " branched	6	.....	.50 to .60	....	50.00
" " branched	8	.....	.75 to 1 00	....	.....
" " branched	10	.....	1.50 to 5.00	....	.....
Kentia Belmoreana, for centers	3	.....	.12 to .15 scarce		.....
" "	4	12 to 15 in.	.25 scarce		.....
" "	5	15 to 18 in.	.40 to 60	....	.....
" "	6	18 to 22 in.	.75 to 100	....	.....
" "	6	24 to 26 in.	1 00 to 1.25	....	.....
" "	7	28 to 30 in.	1.50 to 2.50	....	.....
" "	8	32 to 34 in.	2.50 to 3.50	....	.....
" "	8	34 to 36 in.	4.00 to 4.50	....	.....
" "	9	38 to 45 in.	5.00 to 6.00	....	.....
" "	10	48 to 52 in.	6.00 to 7.50	....	.....
Kentia Forsteriana	4	.....	.20	....	.....
" "	5	.....	.35 to .50	....	.....
" "	6	.....	.75 to 1.00	....	.....
" " made up	7	.....	1.25 to 1.50	....	.....
" " "	8	.....	1.75 to 2.50	....	.....
" " "	9	.....	3.50 to 4.00	....	.....
" " "	10	.....	5.00 to 7.50	....	.....
Latania Borbonica	5	.....	.30	....	.....
" "	6	.....	.50 to .75	....	.....
" "	8	.....	1 00 to 1.50	....	.....
Nephrolepis Bostoniensis	4	.....	.15 to .20	....	.....
" "	5	.....	.25	....	20.00
" "	6	.....	.35 to .50	....	35.00
" "	7	.....	.50 to .75	....	50.00
" "	8	.....	1.00 to 1.25	....	.....
" "	10	.....	1.50 to 2.50	....	.....
Nephrolepis Piersoni	7	.....	.50 to .75	....	.....
Nephrolepis Elegantissima	6	.....	.75	....	.....
" "	8	.....	1.00 to 1.25	....	.....
" "	10	.....	2.50 to 3.00	....	.....
Nephrolepis Scottii	4	.....	.25	....	.....
" "	6	.....	.50	....	.....
" "	7	.....	.75	....	.....
" "	8	.....	1.00 to 1.25	....	.....
" "	9	.....	1.50 to 2.00	....	.....
" "	10	.....	3.00 to 3 50	....	.....
" " specimen	12	.....	5 00	....	.....
" " specimen	14	.....	6 00	....	.....
Nephrolepis Whitmani	6	.....	.75	....	.....
" "	8	.....	1.25 to 1.50	....	.....
" "	10	.....	2.50 to 3 50	....	.....
Pandanus Utilis	5	.....	.25 to .35 scarce		.....
Pandanus Veitchii	5	.....	.75 (usually held to grow on)		
"	6	.....	1.00 to 1.25	....	.....
" "	8	.....	1 50 to 2.50	....	.....
Phœnix Canariensis	12	.....	5.00 to 7.00	....	.....
Phœnix Reclinata	10	.....	3.00 to 6.00	....	.....
"	12	.....	7.00 to 8 00	....	.....
Phœnix Rupicola	8	.....	3.00 to 6 00	....	.....
"	10	.....	7.50 to 10.00	....	.....
Phœnix Roebelenii	4	.....	1.00	....	.....
"	7	.....	3.00 to 4 00	....	.....
Livistona Rotundifolia	4	.....	.25	....	.....
" "	5	.....	.35 to .50	....	.....
"	6	.....	.75	....	.....
"	7	.....	1.00	....	.....
Livistona Chinensis	8	.....	1.00 to 1.50	....	.....
"	10	.....	2.50 to 4 00	....	.....
Rhaphis Humilis		.....	.50 per shoot		

Prices given for this date only, are for A No. 1 stock delivered in pots at New York stores. Special prices, under the above, can be had for buying in large quantities for spot cash.

Pandanus Utilis, especially sizes above 6-inch, exceedingly scarce. Larger Cocos also scarce.

WM. WALLACE BURNHAM.

CHRISTMAS NUMBER NEXT WEEK. Send advertisements now.

THE AMERICAN FLORIST

TWENTY-SECOND YEAR.

Subscription, $1.00 a year. To Europe, $2.00
Subscriptions accepted only from those in the trade.

Advertisements, on all except cover pages, 10 Cents a Line Agate: $1.00 per inch. Cash with Order.

No Special Position Guaranteed.

Discounts are allowed **only on consecutive insertions**, as follows—6 times, 5 per cent: 13 times, 10 per cent: 26 times, 20 per cent: 52 times, 30 per cent.

Space on front pages and back cover page sold only on yearly contract at $1.00 per inch, net.

The AMERICAN FLORIST Advertising Department is for florists seedsmen and nurserymen and dealers in wares pertaining to those lines only.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Monday to secure insertion in the issue of the same week. Address

AMERICAN FLORIST CO., Chicago.

When sending us change of address always send the old address at the same time.
We do not assume any responsibility for the opinions of correspondents.

THIS ISSUE 56 PAGES WITH COVER.

CONTENTS.

Suggestions for florists.....929
—The handling of holly.....929
—Pansies.....923
—Cyclamens.....930
—Primula obconica.....930
—Hardy phlox.....930
The Hanford, Cal., convention....930
Chrysanthemums.....931
—Cut blooms for various purposes.931
—Chrysanthemum Society of America.....931
Siebrecht's orchids (illus.).....932
With the growers.....933
—Scheiden & Schoos, Evanston, Ill. (illus.).....933
—Dailledouze Bros., Flatbush, N. Y..934
The retail trade.....935
—Decorations for Cleveland wedding (illus.).....935
—Otto Young floral offerings.....935
—Spencer funeral floral designs....935
—Recent wedding decorations.....936
New Canadian tariff.....936
American Carnation Society.....937
To be done now.....937
Kansas City.....938
Detroit.....938
Toronto.....939
Denver.....939
Obituary—Geo. Ellwanger(portrait)940
—Albert Zimmerman.....940
The Department of Agriculture....940
Illinois State Florists' Association..942
Society of American Florists.....942
French exhibitions.....942
Flower show for St. Louis.....942
Glass question and greenhouse men..943
Meetings next week.....943
St. Louis.....944
Chicago.....949
Philadelphia.....950
Boston.....950
Pittsburg.....950
New York.....952
The seed trade.....956
—Experiments in bulb culture....956
The nursery trade—Nurseryman Vanderbilt.....958
—The climbing rose Rubin Or Bury.958
—Nurserymen landscape despoilers..958
—Tree peonies.....958
Buffalo.....962
Cleveland, O.....966
Special illustrations:
—New Chrysanthemum Jalene.....931
—Establishment of Godfrey Aschmann, Philadelphia.....932
—Prize bridal bouquet.....936
—Prize dinner table decoration....936
—At the Paris chrysanthemum show.....937

IT is the firm of Dailledouze Bros. which is now being given the unenviable newspaper notoriety of having paid a fancy price for a new carnation.

WE commend to the attention of our readers the list of wholesale plant prices at New York, November 28, 1906, compiled by Wm. Wallace Burnham, Bloomingdale's floral manager.

THE results of the Chicago flower show will be a couple of hundred dollars on the wrong side of the ledger, but the good 1905 balance can stand this.

THE New York Board of Fire Underwriters has issued its annual warning to department stores and other firms having Christmas displays, showing that policies are void where the hazard is increased.

THOSE who send us queries expecting answers must in all cases supply correct names and addresses as well as assumed names. Where correct names and addresses are not given the queries go to the waste basket.

THE AMERICAN FLORIST Christmas Number, replete with illustrations and valuable reading matter for growers, dealers and retailers in all lines, will be issued December 13. Advertisers should send their copy early to make certain of good location display.

HOLDING back stock for holidays that is fit for market often results in waste. Trying to force values by these and similar methods frequently brings its own reward in a manner not intended. Grow stock to come in times of scarcity and extra demand by all legitimate methods, but do not try to foist old stock upon a discerning public.

REPORTS from various sources show that there is in many quarters a preference for single over double violets. This is a good sign. The single flowers are far prettier, their fragrance lasts in many cases longer and they are more effective in color. A really good single white would be a great acquisition; we have plenty of good single colored varieties and double whites. There are other single flowers that we would like to see more popular, chrysanthemums, dahlias and pyrethrums occuring to mind. One great advantage of the single over the double violet is the ease with which it can be grown.

Important To Subscribers.

The date on the yellow address label on your copy of THE AMERICAN FLORIST will show when your subscription expires. Please renew subscription promptly on expiration to make certain of receiving your copy of each issue.

Illinois State Florists' Association.

J. F. Ammann, president of the State Association, will meet with the Bloomington Florists' Club December 13 to consider the appointment of several working committees for the next annual meeting of the association, to be held in Bloomington on the second Tuesday in Ferbuary. Additional arrangements will also be made to make the meeting a success.

Yuletide.

By sending THE AMERICAN FLORIST to your employes every week of next year they will be given a weekly reminder of you and it will make a most appropriate and useful gift if sent to their home addresses. In many ways it will be a good investment. Send us their names and addresses now, enclosing one dollar for each subscription and we will start with our grand Christmas number and continue sending the paper every week of 1907.

Society of American Florists.

DEPARTMENT OF PLANT REGISTRATION.

The Conard & Jones Co., West Grove, Pa., submit for registration Canna New York, (C. & J. Seedling No. 1549). Height, six to seven feet, with broad bronze leaves and mammoth flowers of intense carmine.

W. J. STEWART, Sec'y.

French Exhibitions.

The photographs reproduced in this issue were taken at the recent show of the National Horticultural Society in Paris and should be carefully studied by all who, either as exhibitors or managers, are connected with our home exhibitions. We have usually a great wealth of material of excellent quality; our florists are just as clever and artistic as those of the European countries, and their individual exhibits are excellent in every way.

But there is a finish about the French exhibits, or rather the exhibition as a whole, that is usually lacking in American shows. Some of the British exhibitions are noted for the excellence of their general appearance, but for real artistic effect and finish the French and other continental shows have them all easily beaten. There is absolutely no reason why this should be so and it is up to our florists and flower show managers all over the country to take these fine groups as an example, and to make our home exhibitions the finest and most artistically finished in the world.

Flower Show for St. Louis.

The St. Louis Florists' Club at its November meeting, voted in favor of holding a mammoth flower show in St. Louis, under the auspices of the club, in November, 1907, provided that a guarantee fund of $10,000 for premiums and other expenses of running said show is subscribed by bona fide subscriptions, 25 per cent of which is to be actually paid in and placed into the hands of the treasurer on or before June 1, 1907. An additional call of 25 per cent of the subscription will be made if deemed necessary on or before November 1, 1907.

After defraying all legitimate expenses incurred, the amount subscribed will be refunded to the several subscribers in full or pro rata, according to circumstances. Should any surplus funds remain after paying all expenses and refunding subscriptions, the same is to be apportioned among the several orphans' homes of St. Louis and St. Louis county in proportion to the number of children cared for in each, to be determined by a committee especially appointed for the purpose.

The undersigned committee, appointed by the president, is anxious to make a good report at the next meeting and therefore urges every one interested in the cause, to subscribe to the guarantee fund and to report at once, such subscription as he may make and also the approximate amount that can be raised for the cause among friends.

FRANK A. WEBER,
A. G. BENTZEN,
WM. C. SMITH,
Committee.

The Glass Question and Greenhouse Men.

Pursuant of the action taken by the Society of American Florists at Dayton, O., in appointing a committee to consider what might be done with the glass tariff, the correspondence below is of interest to everyone in the craft:—

Fishkill-on-Hudson, N. Y., Nov. 20, 1906.
Hon. Sereno E. Payne,
Auburn, N. Y.

Dear Sir:—I am constrained to address you upon a matter of considerable interest to a large craft of men who use window glass in their business to the amount of millions of square feet, and that is the florists of the United States.

At the annual convention of the Society of American Florists, held at Dayton, O., one of the most important matters brought up was that of the duty now imposed upon window glass, which is an advance so much greater than existed prior to 1896, and which tariff raised the price of this commodity very materially per pound on every box of glass used.

With the knowledge of your standing in congress and being a member of the committee appointed by the convention, I have for some time thought of laying this matter before you and to ask that now election is over and we know how the drift of affairs will be the next two years, if the matter of reduction of tariff rates would stand any chance of receiving consideration at the approaching session of congress, or if at the present stage of public opinion, it would be labor lost to attempt to do anything directly without pronounced agitation.

The greenhousemen of the United States, which run into the thousands, all feel that the present high cost of this necessary article is to them very largely enhanced by the existing excessive duty and if this duty could be brought down to the rate prior to the tariff of 1897, that it would be an economic gain, which would work no harm to producers, because many of us believe and think, that the tariff as it exists today, is overdone and the party that should correct the matter is the republican in control of the majority.

Our General Ketcham is dead so we cannot go to the old gentleman for advice as to what we might gain if we went to Washington. Enclosed is an article from a florists' trade paper, which shows the interest by the florist craft. We should be glad to hear from you upon this important subject.

Yours respectfully,
BENJAMIN HAMMOND.

Committee on Ways and Means.
House of Representatives, Washington, D. C.,
Auburn, N. Y., Nov. 21, 1906.
Mr. Benjamin Hammond,
Fishkill-on-Hudson, N. Y.

Dear Sir:—Yours of the 29th inst. received. Congress meets this year on December 3, and the term of this congress expires March 4, giving three months, with the exception of the holidays, for what work we have to do. The time is barely sufficient to give consideration to the appropriation bills which will come up. All would agree it would be entirely impossible to pass a tariff bill.

While you desire but one item of the tariff changed, this could not be considered without taking up the whole subject of tariff revision and considering all the claims for changes to be made to the different schedules. This, of course, is a matter that requires much time and deliberation.

I read with interest your statement in the weekly florists' papers. While we imported $54,000,000 of cylinder, crown and common window glass in 1896 and but $18,066,000 in round numbers in 1905, it would appear that our workmen had $36,000,000 worth more of glass to manufacture at the latter date than in 1896. This means ,of course, prosperity to the workmen in the glass manufacturing business.

You would readily admit that your business has been much better since 1897, than it was in the three years preceding that year under the Wilson tariff act, and the year or two before that when the country was prostrated because of the uncertainty of what the Wilson people might do, for your business must be very dependent upon the general prosperity of the country.

It would be well for you to take into consideration whether it is not better to have the country generally prosperous under the present act, which brings prosperity to your business, rather than to restore the glass business to its condition under the Wilson tariff, thereby bringing your business back to the same condition of affairs. I only throw out this suggestion for your consideration, because when the subject of tariff revision is taken up, I shall hope to hear from the florists on this subject.

Yours very truly,
SERENO E. PAYNE.

Meetings Next Week.

Baltimore, Md.—Gardeners' Club of Baltimore, Royal Arcanum building, 18 W. Saratoga street, December 10, at 8 p. m.

Buffalo, N. Y.—Buffalo Florists' Club, 383 Ellicott street, December 11, at 8 p. m.

Butte, Mont. — Montana Florists' Club, Columbia gardens, December 14.

Chicago. — Chicago Florists' Club, Handel hall, 40 Randolph street, December 13, at 8 p. m.

Chicago.—Gardeners' and Florists' Union No. 10615, 10-12 Clark street, December 12.

Cleveland, O. —Cleveland Florists' Club, Progress hall, 244 Detroit street, December 10 at 7:30 p. m.

Davenport, Ia.—Tri-City Florists' Club, December 13.

Dayton, O.—Dayton Florists' Club, 112 South Main street, December 10.

Denver, Col.—Denver Floral Club, 323 Charles block, December 14, at 8 p. m.

Hartford, Conn.—Hartford Florists' Club, December 14, at 8 p. m.

Madison, N. J.—Morris County Gardeners' and Florists' Society, Masonic hall, December 12, at 7:30 p. m.

New Bedford, Mass.—New Bedford Florists' Club, December 13.

New London, Conn.—New London County Horticultural Society, Elks, hall, December 12.

New Orleans, La.—Gardeners' Mutual Protective Association, 144 Exchange alley, December 9, at 2 p. m.

New York.—New York Florists' Club, Grand Opera House building, Eighth avenue and Twenty-third street, December 10, at 7:30 p. m.

New York.—Horticultural Society of New York, American Institute rooms, December 12, at 8 p. m.

Omaha, Neb.—Nebraska Florists' Society, City Hall, December 13, at 8 p. m.

San Francisco, Cal.—Pacific Coast Horticultural Society, December 15.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

Cash with Adv.

Plant Advs NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1906 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—As private gardener where talent is required; no objection to going to Pacific coast; single. Address GARDENER,
3615 Ellis Ave., Chicago.

Situation Wanted—By all-around florist and landscape gardener, position as working foreman; married; life experience; references.
J. HODGE, 87 May St., Lawrence Mass.

Situation Wanted—By A1 carnation grower; married; good on other stock; best of Chicago references; state wages and particulars. Address
Key 846, care American Florist.

Situation Wanted—By a first-class grower of roses and carnations; can come well recommended; single, age 26; prefer eastern states
Key 847 care American Florist.

Situation Wanted—By a hustling, energetic, well educated young man of 28, with an up-to-date firm in some central western city, to learn decorating, designing and store work. Have had some experience. Address
Key 848, care American Florist.

Situation Wanted—By Jan. 1st, as foreman or grower. I have 20 years experience in growing roses, carnations, violets, 'mums, palms, ferns, bedding plants etc.; not afraid of work; German, age 34, married; can furnish A1 references as to character and ability Please state salary, with full particulars in first letter. Address
A B C Lock box 120, West Mentor, Ohio.

Help Wanted—Experienced firemen, or strong young men willing to learn. Apply to
POEHLMANN BROS. CO., Morton Grove, Ill.

Help Wanted—An all-around florist, good on 'mums, roses carnations, etc. Address
Key 849, care American Florist.

Help Wanted—A good, all-around man for general greenhouse work in commercial establishment. Address with full particulars
Key 842, care American Florist.

Help Wanted—Carnation grower; must be a No. 1 man, strictly sober and reliable; wages $30 per month with board and washing; state experience and references. Address
Key 844, care American Florist.

Help Wanted—Young man to assist in up-to-date flower store; must be decorator and understand taking care of plants, and also be able to wait on good trade. Address
Key 841, care American Florist.

Help Wanted—A bright young man to make himself useful in a first-class flower and seed store; one with some greenhouse experience preferred; steady position; must have good reference as to character. Address YOUNG'S SEED STORE,
1406 Olive St., St. Louis, Mo.

Help Wanted—First-class night fireman, thoroughly familiar with high pressure steam boilers, who has had experience with the vacuum system, to work at large greenhouse plant. Pay good salary. Write
GREEN FLORAL AND NURSERY CO., Dallas, Texas.

Wanted to Rent—About 15,000 sq. ft. of glass near Philadelphia, Pa.; must be in good repair. Will take place in spring. Address
EMIL WOHLERT, Bala, Pa.

Wanted—Applications of reliable and capable men as salesmen, decorators, or designers, or as sistants thereto. A. W. SMITH,
345 Sixth Ave., Pittsburg, Pa.

For Sale—Carnation supports, $15.00 per 1000; $125.00 for 10,000.
JAMES W. DUNFORD, Clayton, Mo.

For Sale—Nine greenhouses, dwelling house and barn, 3½ acres of ground. For particulars address
P. O. Box 109, Newtown, Bucks Co., Pa.

For Sale—A1 down-town retail store for sale; established 10 years; bargain. Enquire
VAUGHAN & SPERRY, 60 Wabash Ave., Chicago.

For Sale—Retail florist's place; store with fixtures; greenhouse 14x50, with stock; wagon, harness, etc.; established 10 years; reason, family trouble. Rent for dwelling, $25 per month. Sales amount to $8,000 a year. Address
M. T., 1213 Ridge Ave., Philadelphia, Pa.

For Sale—All the glass 10x12 double strength A, on five houses, each 20 ft. by 115 ft., for $500 as it stands. Will include sash bars and doors. Also two Kroeschell hot water boilers; one steam boiler, 20 H. P., used three months, dirt cheap.
BRANT & NOE FLORAL CO.,
W. Peterson and N. 48th Aves., Chicago.

FOR SALE.

Old established retail florist's store. Reason for selling, going west. For particulars, write to
F. K., 700 N. 5th St., Philadelphia, Pa

FOR SALE—Greenhouse Pipe

4-in. boiler tubes, second-hand, in fine condition, absolutely free from scale and with ends cut square. Sample and prices on application. KROESCHELL BROS. CO.,
45 Erie St., Chicago.

FOR SALE.

COLORADO SPRINGS, COLO.

Wholesale and retail business, well located, 34 greenhouses, 1.3 acres of land, 4 boilers, 16-60; 2 dwellings. For terms address
WM. CLARK.

FOR SALE.

Des Moines, Iowa, wholesale and retail greenhouse establishment, 29,000 feet of glass, three acres of ground, well located, all in good order, with good wholesale and retail trade. Price, about $8,400; terms reasonable
VAUGHAN'S SEED STORE
CHICAGO.

Holly,
Holly Wreaths,
Green Wreathing,
Galax Leaves.

Xmas Bells,
Wild Smilax,
Moss Wreaths.

All Xmas Goods At

C. C. POLLWORTH CO.

Western Leaders,

MILWAUKEE.

Pot Covers,
Crepe Paper,
Chiffon.

Gold Letters,
Immortelles,
Immortelle Wreaths.

St. Louis.

GOOD THANKSGIVING TRADE.

Thanksgiving day has come and gone and from all accounts trade was good with both wholesalers and retailers. Chrysanthemums were leading, as a great many were used as the colors of the football games, yellow for St. Louis and dark red for the Iowas. Violets went to $1.25 for extra fancy and some fine doubles were in the market. Carnations were sold from 3 to 5 and in a few cases 6 cents each. It is very much to be regretted that a great many carnations were pickled and arrived in a sleepy condition. Some fine narcissus was in also some extra fine callas which found a ready sale. Smilax, Asparagus, Sprengeri and A. plumosus sold well. At time of writing the market remains firm, especially in violets and carnations.

NOTES.

Charlie Schoenle and Will Adels, the terrible twins, were talking loudly at the wholesale market Thursday and they were cautioned, as they were near a batch of white carnations, which would surely have woke up from their sleepy condition had they not discontinued their loud talk.

Gullett & Sons of Lincoln, Ill., are shipping in some fine roses, also Geo. M. Kellogg, Kansas City and Pleasant Hill, Mo. These growers' cut is handled to advantage by H. G. Berning.

Louis A. Giger, formerly with Grimm & Gorley, has been visiting his wife at the Deaconess Hospital, where she underwent an operation for appendicitis and is slowly recovering.

Charlie Kuehn and his assistants had their hands full filling orders last Wednesday and Thursday. They had a fine stock of everything, which they cleaned out.

Miss Theresa Bardaracco, who is a very conservative buyer, was very angry having paid a big price for carnations Wednesday which were asleep Thursday.

C. Young & Sons have a fine house 100 feet long of poinsettias and expect to have a fine crop for Christmas, also some fine cyclamen plants.

F. C. Weber has a very pretty air-tight case on the counter, in which he keeps his violets in water, cool, fresh and dark.

Adolph Brix is cutting some fine carnations from his newly purchased plant and expects to have a full crop for the holidays.

George Hartmann of Kirkwood, Mo., is bringing in some extra fancy long stemmed violets, which find a ready sale.

Geo. Angermueller is completely restored to health and was working very hard last Wednesday and Thursday.

Geo. Waldbart is handling some fine orchids. He says that all kinds of flowers sold well for Thanksgiving day.

Otto Koenig was appointed on the National Flower Show committee by the executive committee of the S. A. F.

The Ayers Floral Co. had a very large trade during the past week in chrysanthemums, violets and fancy roses.

Mrs. Bertha Linthicum has a very pretty store on Easton avenue and is building up a good trade.

W. C. Smith and Otto Bentzen were very busy one day last week unloading a car load of flower pots.

W. C. Smith & Co. disposed of everything at good prices Wednesday and Thursday.

The Ellison Floral Co. and the Eggeling Floral Co. have had a first class trade.

Some extra fine samples of well berried mistletoe are in the market.

Henry Frerck is cutting some fine callas and Asparagus plumosus.

Miss Newman had a splendid Thanksgiving trade.

Alex. Siegel reports trade as good for the holidays.

Greens and holly are in the market.

W. F.

Louisville.

TRADE FLUCTUATING.

Business the previous week was very good, up to and including Thanksgiving, but the balance of the week was very poor. Chrysanthemums were in very good demand, but good yellow and especially white were impossible to get. With the exception of a few very late varieties, the chrysanthemum season is about over locally. There have been plenty of good roses on the market and the demand is beginning to get up to where it should be. Carnations of good quality can be had in great quantities and find a satisfactory demand. Violets, both single and double, have had a good demand and are obtainable in good quantities. Lily of the valley continues in good demand, with the supply short. Mignonette sells well. Green goods are in fair supply.

F. L. S.

HAYWARDS, CAL.—A Japanese firm has purchased a ten-acre tract of land here from W. H. Spencer of Castro valley at the price, it is reported of $3,750. The idea is to start a large flower growing establishment, the erection of a range of greenhouses being part of the project. The soil is fertile and the location good.

ORDER

— FROM —

PETER REINBERG

51 Wabash Avenue, CHICAGO.

PRICE LIST.

Beauties,	Per doz.
Extra select	$5.00 to $6.00
24 to 30-inch stems	3.00 to 4.00
15 to 20-inch stems	2.00 to 2.50
Short stems	1.00 to 1.50
	Per 100
Bride	$4.00 to $8.00
Bridesmaid	4.00 to 8.00
Liberty	4.00 to 10.00
Richmond	$4.00 to $10.00
Chatenay	4.00 to 10.00
Golden Gate	4.00 to 8.00
Sunrise	4.00 to 8.00
Ivory	4.00 to 8.00
Perle	4.00 to 6.00
Carnations	3.00 to 4.00

ROSES, Our Selection, . . . per 100, $3.00

'Mums, Fancy.....per doz., $3.00 to $5.00 | **'Mums,** Medium.....per doz., $1.00 to $2.50

Don't Miss Sales

On Account of not Having the

SCHROEDER POINSETTIAS

Nothing on the market like it.
Write for cut and see for yourself.

Made of Muslin. Made to Stay in Shape.

Send in your orders before it is too late.

J. SCHROEDER,

344 Ontario Street, CLEVELAND, OHIO.

Chrysanthemums, Roses, Beauties, Carnations, Lilies, Lilies of the Valley, Violets, Asparagus and Smilax.

All orders receive prompt and personal attention. Trial orders solicited.

HENRY M. ROBINSON & CO., WHOLESALE FLORIST. . .

TELEPHONES: 2617 and 2618 Main.

11-15 Province St., 9 Chapman Place, **BOSTON, MASS.**

The New Wholesale House in St. Louis.

WM. C. SMITH & CO.

1316 Pine St., ST. LOUIS, MO.

WHOLESALE DEALERS IN EVERYTHING FOR FLORISTS. **Consignments Solicited.** Both Long Distance Phones.

Wholesale Flower Markets

ST. LOUIS, Dec 5.

Roses, Beauty, long stem	3 00@ 4 00
" " medium stem	1 50@ 2 50
" " short stem	50@ 1 25
" Bride, Bridesmaid	2 00@ 5 00
" Pres. Carnot	3 00@ 6 00
" Kaiserin	4 00@ 8 00
" Chatenay, Richmond	3 00@ 6 00
Carnations, common	1 50@ 200
" best	3 00@ 4 00
Smilax	12 50@15 00
Asparagus Sprengeri	2 00@ 3 00
" Plumosus, strings	25 00@40 00
" cut sprays	2 00@ 3 00
Fancy ferns, per 1000, $2 00	
Lily of the valley	4 00
Chrysanthemums, f'cy, doz $250@$3	
" ordinary, $5@ 15	
Violets	1 00
Stevia	1 00@ 1 50
Callas	10 00@15 00
Narciss paper white	3 00@ 4 00

PITTSBURG, Dec. 5.

Roses, Beauty, specials	30 00@50 00
" " extras	20 00@25 00
" " No. 1	10 00@12 50
" " ordinary	6 00@ 8 00
Bride, Bridesmaid	3 00@10 00
Chatenay	4 00@ 8 00
Richmond	4 00@12 00
" Kaiserin	4 00@ 8 00
" Cusin	4 00@ 6 00
" Perle	4 00@ 6 00
" Bon Silene	4 00
Chrysanthemums	6 00@25 00
Carnations	2 00@ 5 00
Lily of the valley	2 00@ 4 00
Violets	1 00@ 1 50
Smilax	12 50@15 00
Asparagus, strings	30 00@50 00
" Sprengeri	2 00@ 4 00
Lilies	15 00@18 00
Adiantum	1 00@ 1 50
Paper white	3 00@ 4 00
Romans	1 00@ 4 00
Sweet Peas	1 00
Bouvardia	3 00@ 4 00

CINCINNATI, Dec.5.

Roses, Beauty, per doz.	$1 00@$4 00
" Bride, Bridesmaid	3 00@ 6 00
" Liberty	4 00@ 8 00
" Meteor, Golden Gate	3 00@ 6 00
Carnations	1 00@ 3 00
Lily of the valley	3 00@ 4 00
Asparagus	50 00
Smilax	12 50
Adiantum	1 00
Asparagus plumosus and Sprengeri in bunches, per bunch 25c	
Ferns, per 1000, $1 50	
Longiflorum lilies	6 00@15 00
Asters	1 00@ 2 00
Gladiolus	2 00@ 3 00

MILWAUKEE, Dec. 5.

Roses, Beauty, per doz.	1 00..6 00
" Liberty, Chatenay	3 00@ 8 00
" Bride, Bridesmaid	2 00@ 6 00
" Meteor, Golden Gate	3 00@ 6 00
" Perle	2 00@ 4 00
Carnations	2 00@ 4 00
Smilax	12 00
Asparagus, sprays	3 00
" Sprengeri	3 00
Lily of the valley	4 00
Adiantum	1 00@ 1 50
Chrysanthemums	10 00@35 00
Common ferns, $1.50 per 1000.	
Longiflorum, $2 00 per doz	
Violets	1 50

ORDER NOW

and Get in on the Ground Floor.

Christmas Bells, Artificial Poinsettias, Bouquet Green, Evergreen Wreathing, Holly Wreaths, Fancy Well Berried Holly, Immortelles, Cape Flowers, Etc., Etc.

Complete Illustrated Price List mailed free. It will pay you to get a copy.

E. F. WINTERSON CO.

45-47-49 Wabash Ave., CHICAGO.

Please mention the American Florist when writing.

CLEVELAND, Dec. 5.

Roses, Beauty, per doz.	$1 50..6 00
" Bride, Bridesmaid, Meteor	3 00@ 8 00
" Kaiserin	4 00@ 8 00
Carnations	3 00@ 5 00
Smilax	15 00
Aspgragus, strings	25 00@50 00
" Sprengeri	1 00@ 2 00
Common ferns, per 1000, $1 50	
Chrysanthemums	6 00@15 00

Nasturtiums.

Lightly lov'd, and coldly nam'd,
By the roses' glory sham'd;
Left, with penury of song,
To enrich some barren wall,
And receive no thanks at all:
In thy burning loveliness,
I behold the fire and stress
Of that beauty, mix'd with life,
Whence such splendor hath its birth,
Like the fairest things on earth.
Wine-dark petals, amber-freak'd,
Orange cups suffus'd and streak'd,
Lin'd with primrose, vein'd with red—
Fitting vessels every one
For the ichor of the sun!
Thou shalt drape the poor man's fence
In thy royal opulence;
And, where roses rarely come,
Filling some dark court with flame,
Have, like them, thy meed of fame.
—Pall Mall Gazette.

On Her's.

"Tommy," asked the teacher of the geography class, "what do you understand by the 'corn belt'?"

"I never heard of one, ma'am," answered Tommy Tucker. "Maw always uses a plaster."—Newspaper Clipping.

HOLLY

Choice Delaware Stock.

Dark green and well filled with bright red berries, solidly packed in standard cases. Freight prepaid, cash in advance with order, single case, $4.00; five cases or more, $3.50 per case. By express, C. O. D., $3.00 per case.

HOLLY WREATHS, 14-in., in diameter, made from perfect green holly, with four large clusters of berries; by freight, prepaid, per 100, $10.00; by express, C. O. D., per 100, $9.00.

Order early and can ship promptly on any date desired.

H. AUSTIN, Felton, Del.

Costs no more, and where quality considered

WORTH MORE THAN DOUBLE.

Silliman's every sprig berried brand of

MISTLETOE

Fifteenth year. Write for prices.

A. B. SILLIMAN & CO., Boone, Ia.

CHRISTMAS NUMBER

December 13. Send advertisements now.

PITTSBURG CUT FLOWER CO. Ltd.

HEADQUARTERS FOR

Pennsylvania Fancy Green Sheet Moss, Boxwood and Mistletoe.

222 Oliver Ave., PITTSBURG, PA.

BEAVEN'S

Fadeless Sheet Moss

$3.50 per bag.

Southern Wild Smilax

IN ANY QUANTITY.

E. A. BEAVEN, Evergreen, Ala.

— PRICE LIST FOR —

Christmas Decorations

EVERGREEN WREATHING.

NATURAL.

Standard grade, per coil, 20 yds	$0 60
Light weights, per coil	50
Standard grade, dyed, per coil, 20 yds	60
Light weights, dyed, per coil	50

WREATHS.

Holly, fancy Delaware, per doz	1 10
" Southern, per doz	1 00
" and **Evergreen,** mixed, per doz	1 00
Evergreen, plain, per doz	1 00
" with Immortelle flowers, per doz	1 10
Galax, green or bronze leaves, per doz	90
" with Immortelle flowers, per doz	1 00
Magnolia Wreaths, per doz	1 00
" with Immortelle, per doz	1 10
Delaware Holly, per crate	$4 00 to 4 50
Southern Holly, per crate	3 25 to 3 75
Mistletoe, per lb	20
Needle Pines, per doz	1 50
Galax Leaves, per 1000	1 00
CALIFORNIA PEPPER BOUGHS, beautiful for decoration and very fragrant, per crate	4 50
Magnolia Leaves, heavily packed, per barrel	6 50

Let us book your orders now, and you name date when you want goods shipped.

We manufacture all our stock employing 100 hands.

H. WOODS CO. 127 S. Water St., CHICAGO.

Holly and Holly Wreaths

Dark green and well berried.

Choice Delaware, per case, 2x2x4 ft...$3.00
Choice Virginia, per case, 2x2x4 ft.... 2.75

Holly Wreaths.....10 and 12c
Laurel Roping.....3c per yard

Cash. Order early and will ship on any date desired

HARRY L. HUBBS,

N. E. Cor. 34th and Cumberland Sts.,
Commission Merchant, **PHILADELPHIA, PA.**

BOUQUET GREEN

Best quality at **lowest rates.** We gather our own **Greens** and bring by our own boat direct. Also **CHRISTMAS TREES.**

Northern Michigan Evergreen Nursery.

SCHOONER GEO. L. WRENN, H. Schuenemann, Capt. S. W. cor. Clark St. Bridge, **CHICAGO.**

PAID UP....

Subscriptions Show That Readers Like the Paper.

XMAS GREENS

HOLLY, MISTLETOE, ETC.

☞ Write for a copy of our Christmas Circular. Just issued.

Vaughan's Seed Store

CHICAGO: 84-86 Randolph St.,
NEW YORK: 14 Barclay St.

Extra Fine New Crop **FANCY FERNS** **$1.25 per 1000**

Discount on large orders.

GREEN and BRONZE GALAX.....$1.25 per 1000

Send for our weekly price list on Cut Flowers. Let us have your standing order for Ferns; will make price right all through the season.

MICHIGAN CUT FLOWER EXCHANGE

WM. DILGER, Mgr. 38 and 40 Broadway, formerly Miami Ave., DETROIT, MICH.

HOLLY! HOLLY! HOLLY!

Holly Wreaths, Lycopodium and **Lycopodium Wreathing.** Our man in the woods with 12 years' experience in packing, can ship you direct and thus save extra expense of freight. Choice, well-berried **Holly Wreaths,** $10.00 to $15.00 per 100. **Delaware Holly,** $3.00 per case. Cash with order please.

DUMONT & CO., WHOLESALE FLORIST, 1305 Filbert Street, **Philadelphia.**

Dagger and Fancy Ferns

A No. 1 quality, $1.25 per 1000.
Discount on larger orders.

Southern Wild Smilax

Selected stock, $7.00 per 50-lb. case; $4.00 per 25-lb case.

Bronze and **Green Galax,** $1.00 per 1000. $7.50 per case of 10,000.
Laurel Festooning, good and full, 5c and 6c per yd.
Laurel Wreaths, from $2.00 per dozen upwards.
Princess Pine, $7.00 per 100 lbs.
Branch Laural, 50c per bunch.

Henry M. Robinson Co, BOSTON, MASS.

RICE BROTHERS

WHOLESALE 113 N. 6th St.,

SHIPPERS of home grown Cut Flowers, comprising the newest varieties of blooms. Full line of supplies and decorative greens. Trial order solicited. Weekly price list issued.

MINNEAPOLIS, MINN.

SOUTHERN WILD

SMILAX.

Caldwell The Woodsman Co.

EVERGREEN, ALABAMA.

E. H. HUNT

"THE OLD RELIABLE"

'MUMS AND VIOLETS.

Chrysanthemums in any quantity and all colors. Choicest single and double **Violets.** All other **Cut Flowers. Ferns,** etc., in any quantity.

Wholesale Florist, 76 Wabash Ave, CHICAGO.

E. C. AMLING

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

32, 34, 36 RANDOLPH ST.,
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Please mention the American Florist when writing.

Be your own Commission Man

THE

FLOWER GROWERS' MARKET

furnishes the facilities.

See PERCY JONES, Mgr.

60 Wabash Ave., CHICAGO.

Please mention the American Florist when writing

Vaughan & Sperry,

Wholesale Florists,

58 and 60 Wabash Ave., CHICAGO

WRITE FOR SPECIAL PRICES.

Please mention the American Florist when writing.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO,

Wholesale Dealers and Growers of **Cut Flowers**

GREENHOUSES: HINSDALE, ILL.

Please mention the American Florist when writing.

Poehlmann Bros. Co.

Wholesale Growers of and Dealers in **Cut Flowers.**

All telegraph and telephone orders given prompt attention.

Greenhouses: MORTON GROVE, ILL.

35-37 Randolph St., CHICAGO.

Please mention the American Florist when writing

WIETOR BROS.,

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.

51 Wabash Ave., CHICAGO.

Wholesale Flower Markets

CHICAGO, DEC. 5.

Roses, Beauty, 30 to 36-in. stems	$4 00@ 5 00
" " 20 to 24-in. "	$2 50@ 3 00
" " 15 to 18-in. "	1 50@ 2 00
" " 12-in. "	75@ 1 00
" Liberty, Chatenay	4 00@ 7 00
" Bride, Bridesmaid	4 00@ 7 00
" Golden Gate	4 00@ 7 00
" Killarney, Richmond	4 00@10 00
Carnations	1 50@ 2 00
" fancy	3 00@ 4 00
Lily of the valley	2 00@ 5 00
Cattleyas....per doz.,	$6 00@$7 50
Harrisii lilies, per doz.,	$2 00@$2 50
Asparagus plumosus, per string	35c@50c
" " per bu.,	35c@$1 00
" Sprengeri	2 00@ 4 00
Green Galax	1 00
Galax leaves.....per 1000,	$1 25
Adiantum	75@ 1 00
Fancy ferns.....per 1000,	$2 00
Smilax.....per string,	10c@12½c
Chrysanthemums, per doz.,	$1 00@$3 00
Violets	50@ 1 25
Leucothoe sprays	75
Wild smilax, 25 lb., $3: 40 lb., $4: 50 lb., $5	

Scheiden & Schoos

WHOLESALE FLORISTS,

60 Wabash Ave., CHICAGO.

Shipping Orders Given Prompt Attention.

WEILAND -AND- RISCH

Wholesale Growers and Shippers of
CUT FLOWERS
59 Wabash Ave., CHICAGO.
'Phone Central 879.
Write for our wholesale price list.

WHOLESALE FLORISTS

Chas. W. McKellar

51 Wabash Ave.,
CHICAGO.

ORCHIDS

A Specialty.

Fancy Stock in VIOLETS, VALLEY, ROSES, BEAUTIES, CARNATIONS and a full line of all Cut-Flowers. Greens, Wire-Work and FLORISTS' SUPPLIES.

Send for Complete Catalogue.

Please mention the American Florist when writing.

The Geo. Wittbold Co.

1657-1659 Buckingham Place, CHICAGO.

The only retail florist in Chicago who grows his own cut flowers.

FUNERAL WORK ORDERS, OUR SPECIALTY.

SINNER BROS.

WHOLESALE CUT FLOWERS

60 Wabash Ave., Chicago.

Careful attention to all

SHIPPING ORDERS.

Please mention the American Florist when writing.

Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO.

Telephone, Central 3284.

Christmas Number

December 13. Send advertisements now.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty.....

WHOLESALE GROWER of **CUT FLOWERS**

KENNICOTT BROS. COMPANY

40-42-44 Randolph St., CHICAGO.

Our reputation has always been that we fill orders when others fail. All stock in season at Lowest Market Rates.

THE BENTHEY-COATSWORTH CO.

35 RANDOLPH ST. WHOLESALE FLORISTS CHICAGO.

Chicago.

TRADE AGAIN NORMAL.

Reports concerning the Thanksgiving trade of this year vary considerably, but the general concensus of opinion seems to be that, after only a fairly good Saturday and a dull Sunday, the shipping business of Monday, Tuesday and Wednesday of last week was just about the same as last year. The local trade, however, was not so good. Business on Wednesday afternoon and Thursday morning fell off very sharply. This in all lines of stock, but particularly in carnations. These showed evidences of having been held by the growers. Wednesday's receipts of carnations were not at all suitable for shipping, and a great quantity of stock had either to be sacrificed or sent to waste pile. American Beauty roses were the one exception to the above condition, having been very short in supply and not equal to the demand. Trade is again good, having resumed its normal tone. Chrysanthemums are no longer a considerable item on the market. Good large blooms bring $4 per dozen, but there is little call for other grades. American Beauty remains on the short side, but other roses are plentiful enough. Really first class carnations are seen on the market and all demands are being promptly met at reasonable prices. Violet prices are down again to a figure at which people will buy. There seems to be an increasing demand for the locally grown single violets. Double violets, too, are moving satisfactorily. Asparagus plumosus and A. Sprengeri are not so plentiful as might be desired, but other green stock is in satisfactory supply. Growers generally are getting ready for the holidays, and a week or so of fine clear weather would materially aid them. They are either forcing bulb stock or else raising the temperature in the rose houses.

NOVEMBER CONDITIONS.

Why business this past month did not show a satisfactory increase over that of November, 1905, is a much discussed question on the market. Many causes no doubt were at work. For one thing the weather was not so favorable this year. It was slightly warmer, the average according to the weather bureau being 1.2° higher than last year and very nearly 3° above the average for the past 34 years. The precipitation this year was 3.08 inches against 2.05 for the same period last year, a gain of just about one-half. The past month saw only four clear days, whereas there were 10 the year before. There were 15 cloudy days this year against only 12 of a year ago, and 11 partly cloudy days against 8 in the same periods. Rainy days numbered 13 as against 9 last year. These conditions not only affect the growers, they are depressing on the demand. Retailers say they received their regular orders from steady customers, but the transient trade was small.

Another possible cause was the lateness in all varieties of chrysanthemums. Small growers who are usually through with them before Thanksgiving this year had plenty. Then, too, carnations and violets early in the month, and the carnations even longer, were at an abnormal figure. Florists say that flowers being a luxury which people can get along without can only bring a certain price. When prices pass that mark people buy only what they think they have to for funerals and special occasions. Another cause which some assign to the situation is the increase in glass area this year, greenhouse builders having experienced an extraordinary active season. The absence of big Thanksgiving football games also added its mite to the other depressing circumstances.

"The Busiest House in Chicago."

J. B. DEAMUD CO.
51-53 Wabash Ave., CHICAGO.

All Flowers and Greens in Season.

J. B. DEAMUD, Pres. W. P. KYLE, Vice-Pres. ALEX. NEWETT, Mgr.

NOTES.

Ferdinand Kating, a packer, and Robt. Hand, rose foreman in plant B, both employes of Poehlmann Bros., were run down by a train while returning home from a dance early Thanksgiving morning. They had taken to the railway track as a short cut for home. A train approaching they stepped from one track to the other in front of a train coming up from the opposite direction. Kating was killed instantly and Mr. Hand had his arm so badly splintered that, while the doctors may perhaps save it, he will never be able to bend it again. After the accident Mr. Hand crawled half a mile to the nearest house for help.

One of the curiosities of the holiday decoration trade is the annual trip of the Schooner Geo. L. Wrenn, Capt. Schoeneman. This boat makes one trip every year to the northern wilds, making all those points inaccessible by rail and not touched at by the other lake craft. Christmas trees and decorations are gathered by the Michigan and Wisconsin Indians and bought up by the captain at a small figure. The stock brought here in this manner is only a very small percentage of that which reaches this market by rail.

Leonard Kill is showing around the market a prize he received for bowling, or billiards or something else. In fact Leonard himself gets a bit mixed as to how he won it. It is in the form of a plush watch case. Harry Lubliner came in the other day when the store was most crowded. Harry released the spring and the explosion sent him about four feet into the air. He dropped the thing as if it had been a bomb, but all it held was a small cap such as the small boys make merry with along about July 4.

Wietor Bros. are coming in with a fine crop of Uncle John and Mme. Chatenay roses. This past week they were showing some fine sample chrysanthemum blooms sent in by the E. G. Hill Co., of Richmond, Ind., the varieties being Golden Dome and Mlle. Jeane Rosette, the latter a fine late pink. Nick. Wietor claims a 12 per cent increase in this year's Thanksgiving business over that of a year ago.

L. Coatsworth, of the Benthey-Coatsworth Co., was last week elected president of the Ravenswood golf club. Mr. Coatsworth is one of the few enthusiastic golfers in the local trade. This firm is bringing in some fine Bride, Bridesmaid and Killarney roses. Richmond will be coming in for Christmas and New Year's.

H. N. Bruns has an extremely fine cut of lily of the valley on now and this noted grower will be cutting heavily all through the holidays. One day's cut, December 1, amounted to over 6,000 and the demand continues extremely brisk for this fine stock.

Mrs. Annie Ryak, formerly in the retail business, died late Sunday evening at her residence, 486 W. Eighteenth street. Mrs. Ryak was the daughter of Frank Holy, the oldest florist in that section of the city, and a sister of Joseph Holy.

C. W. Johnson, well known to the trade of this section, passed through the city this week with his family, enroute to Europe, having severed his Seattle connections.

The west side retail florists are still showing very fine chrysanthemums and a good demand is reported. Palms and pot plants are moving slowly in most places.

The J. B. Deamud Co. is showing some extra fine carnations of all the leading varieties, including Enchantress, Lawson, Boston Market and White Cloud.

Chas. W. McKellar is receiving some fine dendrobiums. There are some cattleyas coming in, but these are not yet sufficiently plentiful to meet all demands.

"Biggest Thanksgiving over," says John Risch, of Weiland & Risch; "40 per cent better than last year. Roses, especially Killarney, did the trick."

Otto Schwill, Jr., of Memphis, Tenn., who has the sympathy of the trade in the recent loss of his wife, was Leonard Kill's guest this week.

Thos. Knight, representing the Julius Roehrs Co., Rutherford, N. J., was in the city this week showing Christmas plants.

Vaughan & Sperry have already received one advance Christmas order for 10,000 violets.

Peter Reinberg is bringing in some very fine Uncle John and Mme. Chatenay roses.

Visitors: E. G. Hill, Richmond, Ind.; C. A. Johnson, Chillicothe; Wm. Swinbank, Sycamore; C. H. Frey, Lincoln, Neb.; A. L. Glasser, Dubuque, Ia.; A. Caspers, Rochelle, Ill.

POINSETTIAS in quantity, very good stock, 15c, 25c and 40c.
DELIVERY NOW AND CHRISTMAS.
S. S. PENNOCK-MEEHAN CO., 1610-1618 LUDLOW ST., **Philadelphia, Pa.**

Philadelphia.

BUSINESS GOOD.

Last week's business was good, everybody working every minute. It was a record breaker for Thanksgiving business. The chrysanthemum men made a grand clean up, as with the exception of Jeanne Nonin and Mrs. Jerome Jones the market is now almost entirely bare. Jeanne Nonin is a grand late white which sells at sight. Prices jumped considerably, tea roses getting up to $10 and $12 while American Beauty sold as high as $7.50 per dozen for the specials. These latter are fine, however, showing almost midwinter form. Carnation figures were also raised, the fancies bringing $5 to $6. Violets were in great demand. One dollar was the price for the best singles, while doubles readily brought $1.50. But little mignonette is seen as yet. For some reason it seems very late. Poinsettia is now seen in the commission houses. Twenty-five cents to 40 cents is the price.

NOTES.

The week rounded up with a great demand occasioned by the army and navy football game. There were the flowers worn at the game and for the great number of visitors in town for the event there was much entertaining. Habermehl's at the Bellevue-Stratford had over 200 table decorations in the hotel for the Saturday after the game, their large force being taxed to the utmost to get the orders filled.

W. B. Lake has a novelty in violet ties which is taken in all the best stores. Instead of a bow at the end each end has a short piece attached with a gold braid band, making a double end. The gilt effect when attached to the bunch gives it a very up-to-date appearance.

The Leo Niessen Co. is right in it on American Beauty roses, its growers' crops seeming to be just right. A new consignor of double violets of fine quality is a recent addition. Mr. Niessen says business is most excellent.

It is astonishing how the demand for orchids is growing. The Pennock-Meehan Co. is handling large quantities of flowers daily, shipping them all over the country. This company's white violets are also much in demand.

Wm. E. McKissick says that his Thanksgiving business was fine. His Christmas stock is reported by his growers to be the best they have ever had and he already has orders booked for the holidays.

All the wholesale men are handling Christmas greens and holly, the latter by the way reported to be very well berried.

Mr. McLean, of the Rosary shop, is to go west again to assist his father in their growing business at Youngstown.

W. J. Baker has been on the sick list, but is reported better.

K.

Boston.

TRADE AND PRICES GOOD.

Thanksgiving is over and the demand for flowers, without which the day would not be appropriately observed, was never so great. Large quantities of flowers were used, not only for the home but for churches and hospitals. However there was no serious scarcity and but little was sought that could not be easily procured. Chrysanthemums were chiefly in demand, the most favored color being yellow and the most popular varieties Major Bonnaffon, Nagoya and T. Eaton. Pink and crimson varieties were rather scarce, but the market was well supplied with white blooms, which sold unusually well. Next to chrysanthemums the demand was for roses, carnations and violets, roses being the most attractive. Richmond was well displayed and the supply of this rose was unequal to the demand, high prices being asked. American Beauty roses brought good prices. Killarney, Mme. Chataney, Morgan, Bon Silene, Safrano, Bridesmaid and Bride were only fairly good and rather scarce. Carnations are high in price in view of the supply, which was sufficiently large to meet all demands. Fair Maid is far superior to any other variety on the market and increasingly popular. Violets have been very scarce, bringing good prices. Yellow marguerites never sold better than now. The growers receive $1 to $1.50 per 100 for them yet still the demand is far greater than the supply. This seems to be a line of stock in which there is a good field for adventurers. The latter part of the week found the market entirely depleted and with but little stock procurable, consequently prices jumped to abnormal figures.

NOTES.

The Henry N. Robinson Co. far exceeded their anticipation in the holiday trade. Not a small proportion of this was delivered to out-of-town dealers, this firm shipping flowers to all sections of New England. They are now preparing for Christmas with a larger force of men than ever before employed by them.

Mrs. G. L. Clark, the enterprising grower from Cohasset, may be seen daily travelling to market with her automobile loaded with boxes of chrysanthemums. Her example may well be followed by other growers who spend a great amount of valuable time on the road.

The decorations for the Armory ball given December 4 at the Algonquin club were under the direction of Wm. E. Doyle. This was one of the largest coming out parties of the season and the club was attractively beautified by the lavish use of cut flowers and plants.

Houghton & Clark have been very busy, having a number of large decorations booked, among them being the decorations for the town of Needham, which is celebrating its establishment.

Frank T. Hanley the well known violet grower of Brookline, Mass., sailed November 27 on the steamship Ivernia for his old home in Ireland, where his aged father is seriously ill.

The Newtonville Avenue greenhouses where the Miss Jerome Jones chrysanthemum is a favorite, cut a great quantity of this variety in three shades, white, yellow and pink.

Peirce Bros. of Waltham, Mass., were the backbone of the chrysanthemum market during the holiday business and had a fine crop of yellow and white Eatons on sale.

The Central Avenue Greenhouses have an unusually good stock of cyclamens of fancy varieties which are among the popular holiday plants.

John Walke of Salem, Mass., is supplying to the trade a fine stock of Begonia Gloire de Lorraine in various sizes.

The W. W. Edgar Co., Waverly, Mass., is cutting quantities of cypripediums of fine quality.

B.

Pittsburg.

THANKSGIVING TRADE GOOD.

Thanksgiving sales were good, is the general report. The cut of flowers was expected to be larger but there seemed to be enough to go around. Carnations were good and ran as high as $5 per 100. Roses were rather scarce especially red. American Beauty was plentiful and good. Paper White narcissus and Roman hyacinths were abundant but did not sell well. Stevia was very plentiful as were chrysanthemums. Yellow varieties were the only ones carried over, there being quite an over-supply of them. Violets cleaned up quick Wednesday, but several lots which arrived Thursday were put in storage until Saturday. There was just enough green stock to go around. Shipping orders were good.

NOTES.

T. P. McCormick, of the Florists' Exchange, was knocked senseless by a couple of thieves on the Ninth street bridge November 24. Luckily two strangers happened to approach at which the robbers fled. In a few days Mr. McCormick expects to be back at his post.

John Baldinger was called to New Martinsville, W. Va., November 24, owing to the sudden death of his brother.

Geo. Stanger is now with G. & J. W. Ludwig, Allegheny Market.

Patrick Maier has a nice cut of Harrisii lilies.

Visitors: Joseph Thomas, Greensburg; G. L. Huscroft, Steubenville, O.; Mr. Warrick, Washington, and B. A. Mick, Wellsville, O.

J.

PLAINFIELD, N. J.—A serious accident befell Mr. Carson, the florist, on November 9, when he fell from a tree and was so seriously injured that he was taken to Muhlenburg hospital.

POINSETTIAS

$25.00 to $40.00 per 100.

THE LEO NIESSEN CO.

WHOLESALE FLORIST.

Open From 7 A. M. to 8 P. M.

1217 Arch St., PHILADELPHIA, PA.

ROSES = CARNATIONS = STEVIA

ORDER YOUR XMAS SUPPLIES NOW.

PITTSBURG FLORISTS' EXCHANGE, Pittsburg, Pa.

NOW READY

to fill orders for **American Beauties, Lily of the Valley, Carnations** and all varieties of **Tea Roses** in lots of one hundred to one thousand at short notice. Get our prices before ordering elsewhere.

WELCH BROTHERS, 226 Devonshire St., BOSTON, MASS.

ASPARAGUS PLUMOSUS NANUS.

Cut Strings, 50 cents each.

W. H. ELLIOTT, Brighton, Mass.

THE

J. M. McCullough's Sons Co.

Wholesale Commission Florists.

CONSIGNMENTS SOLICITED.

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES, SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

Please mention the American Florist when writing

THE

Rose Pink Enchantress

Is the best and the most profitable pink carnation in sight. If ever you had a good thing on your bench you will be sure to find one in the

Rose Pink Enchantress

Ask me who has it in your neighborhood, and I will unhesitatingly refer you to your own neighbor. It is **THE** carnation to grow.

Price:—Strong rooted cuttings, $7.00 per 100; $60.00 per 1000. Address

S. S. SKIDELSKY,

824 No. 24th Street, PHILADELPHIA, PA.

Please mention the American Florist when writing.

Holton & Hunkel Co.

Wholesale Florists

Milwaukee, Wis.

Please mention the American Florist when writing.

Wholesale Flower Markets

PHILADELPHIA, Dec. 5.

Roses, Tea	3 00@ 4 00
" extra	6 00@10 00
" Liberty	4 00@15 00
" Queen of Edgely, extra	40 00@60 00
" " first	25 00@30 00
" Beauty, extra	40 00@60 00
" first	25 00@30 00
Carnations	2 50@ 6 00
Lily of the Valley	2 00@ 5 00
Asparagus, bunch	25 00@50 00
Smilax	15 00@20 00
Adiantum	1 00@ 1 50
Cattleyas	50 00@60 00
Gardenias	50 00@60 00
Lilium Harrisii	12 50@15 00
Violets, single	50@ 1 00
" double	1 00@ 1 50
Chrysanthemum special	40 00@50 00
" extra	20 00@30 00
" medium	10 00@16 00

BOSTON, Dec. 5.

Roses, Beauty, best	30 00@40 00
" " medium	20 00@25 00
" " culls	4 00@ 8 00
" Bride, Bridesmaid	2 00@ 4 00
" Extra	6 00@ 8 00
" Liberty	6 00@25 00
Carnations	1 00@ 2 00
" Fancy	2 00@ 3 00
Lily of the Valley	2 00@ 4 00
Smilax	8 00@12 00
Adiantum	1 00@ 1 50
Asparagus	35 00@50 00
Sweet peas	25@ 75
Violets	75@ 1 00
Asters	75@ 1 00

BUFFALO, Dec. 5.

Roses, Beauty	40 00@50 00
" Bride, Bridesmaid, Meteor	4 00@10 00
Carnations	1 50@ 3 50
Lily of the valley	3 00@ 4 00
Asparagus, strings	40 00@50 00
Smilax	15 00
Adiantum	75@ 1 50
Lilies	5 00@15 00
Chrysanthemums	8 00@25 00
Violets	1 50@ 2 00

H. G. BERNING,

Wholesale Florist

1402 Pine St., ST. LOUIS, MO.

Please mention the American Florist when writing.

Nephrolepis Whitmani

2¼-inch, $25.00 100,

Boston Ferns 2¼-in. $3.00 per 100.

Henry H. Barrows & Sons, WHITMAN MASS.

J. B. MURDOCH & CO.

WHOLESALE FLORISTS,

FLORISTS' SUPPLIES.

545 Liberty Ave., PITTSBURG, PA.

Please mention the American Florist when writing.

C. A. KUEHN,

Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

Please mention the American Florist when writing.

POMPON CHRYSANTHEMUMS. ALL SEASONABLE CUT FLOWERS.

ABSOLUTELY THE BEST POSSIBLE SERVICE.

W. E. McKissick

WHOLESALE FLORIST.

Business Hours 7 a.m. to 8 p.m.

1221 Filbert Street, PHILADELPHIA, PA.

CHRISTMAS NUMBER

DECEMBER 13. SEND ADVERTISEMENTS NOW.

New York.

PICKLING PROCESS AGAIN WORKING.

The business occasioned by the Thanksgiving holiday was a little disappointing. As usual many growers considered it good policy to hold back their stock on the two days preceding the holiday, dumping it in pretty heavily late on Wednesday afternoon and on Thursday. The violet growers were the gravest offenders in this respect, and it is very evident that they have not profited by the experience of former special seasons. Violets were husbanded until Wednesday evening when a quantity arrived which taxed the selling facilities of the wholesalers sadly, and on Thursday morning the commission men received consignments absurdly large. The result was that large concessions in prices were made to move the stock, and on Friday the street men were in their glory, trays full of good violets being very conspicuous around the shopping district. Rose and chrysanthemum growers also succeeded in hampering their commission men with late shipments to an extent which is probably plainly to be seen in the returns made for last week. Taken altogether the market was flooded to such an extent that anything like cleaning out on a profitable basis proved impossible. Monday saw a continuance of such conditions in the main, but cleaning out was easier. Roses from a supply standpoint were nearer the normal, but values changed very little, owing possibly to a shorter supply. Liberty and Richmond seem to be in competition in point of quality and it would be hard to say which is best. Chatenay is a good seller, and many of the now quotable sorts, particularly Killarney, move well. Carnations are getting on the over-supply side and ordinary grades are suffering somewhat. Enchantress and Lawson are preponderating and militate in demand against the finer varieties. Chrysanthemums, at midweek, are bringing closing prices, some of the late fine varieties closing out easily at $3.00 per dozen. Bouvardia, pansies, stevia and other stock all find an output at remunerative prices.

NOTES.

Some of the Broadway florists made fine window displays during the Thanksgiving season. Chas. Thorley had the center column of his big store window covered with preserved adiantum enlivened with poinsettias. Large vases of special American Beauty roses made a fine background for some splendid plants of Begonia Gloire de Lorraine. On another day he made a fine showing of Camellia elegans Chandleri. J. H. Small & Sons had a grand exhibit of Nephrolepis Whitmani well grouped in one of their windows and used leaves and pine cones loosely scattered on the window floor for the holiday effect. Siebrecht & Son made a fine showing of cattleyas and Otaheite oranges. Camellias and Begonia Gloire de Lorraine were used in the window displays of quite a number of florists, and pussy willow twigs seemed also very popular.

At a meeting of the West End association held recently, the question of beautifying Broadway came up. J. L. Brower made the suggestion that the center strips in upper Broadway be planted with Norway maples and horse chestnut trees, with gravel spread on the ground, as such things were done in France and Germany. Grass plots and shrubbing in street centers he considered out of place, as children and dogs destroyed them. Shrubbery was also dangerous in view of the fast increasing number of automobiles, children being apt to jump from it without seeing the machines, to their injury or possibly death.

The meeting of the Florists' Club on Monday, December 10, is of more than ordinary interest. Election of officers for the ensuing year is the main business and there is much conjecture as to the outcome. For the presidency, the candidates are C. H. Totty and John B. Nugent, Jr.; for vice president, Harry O. May and Jos. A. Manda; for secretary, John Young and Alex. J. Guttman, and for treasurer, Charles B. Weathered and L. W. Wheeler. In the voting the outlook presages a very close vote and a large attendance at the meeting may be expected.

The city branch of the National Plant, Flower and Fruit Guild last week distributed prizes to tenement dwellers for the best window boxes seen in tenement windows during the summer. The guild placed over 800 window boxes in tenement houses last spring, and is doing excellent work in the direction of cultivating a love for flowers in such homes.

The third regular meeting of the Horticultural Society of New York for the season of 1906-7, will be held in the rooms of the American institute, 19-21 West Forty-fourth street, December 12. A lecture will be given at the public meeting at 4:30 p. m., on "Sports," by P. O'Mara. A meeting of the council will be held in the Board Room at 4 o'clock p. m.

R. Armstrong, of Los Angeles, Cal., who has been spending several weeks here, left on Tuesday for Chicago, enroute for the coast, expecting to spend his Christmas among the roses. Mrs. Armstrong, who shared his visit, left with him.

Gottlieb Meyer, the Fifty-eighth street and Madison avenue florist, has just added to his store front a frameless extension window which he keeps particularly well dressed.

James W. Begbie, recently with Arthur T. Boddington, 342 West Fourteenth street, has removed to Shreveport, La., where he has opened a seed and flower store.

Herbert Bradley, of Montclair, N. J., who was killed a few days ago by a deer in his park, was a lover of orchids and was about to put a large stock in his greenhouse.

There is quite a shortage of white moss reported by wholesalers, and retailers are somewhat anxious as to the source of supply for immediate and future wants.

Next Tuesday will probably wind up the auction season and the auctioneers will rest their voices until next March.

Louis Schmutz, of Flatbush, is the poinsettia king this year.

THERE is a very noticeable absence of red Christmas bells in the general store windows of the larger cities this season and no doubt low price and quality hastened their going more than fashion.

Newport, R. I

RETAIL FLORISTS BUSY.

Thanksgiving trade was better this year and most of the stores sold more plants than in former years. There was a good stock of fruited oranges, Jerusalem cherries, partridge berries, cyclamen, primroses, Begonia Gloire de Lorraine and azaleas white and pink on hand. There was also an increase in the sale of cut flowers, chrysanthemums taking the lead. Carnations and violets were cleaned out by all the florists. A great number of yellow chrysanthemums were used for a golden wedding. A large quantity of good size funeral designs were sent from New York to Nicholas Kane's funeral, who was buried in the late Delancy Kane's family lot in this city.

NOTES.

F. L. Ziegler supplied the decorations at the church and house, at the Thompson-Weaver wedding, also the bride's bouquet of Bride roses and lily of the valley in shower effect. The bridesmaids bouquets were made of yellow chrysanthemums. The flower girl carried a basket of pink and white carnations. Gardenias were worn by groom and ushers.

Carl Jurgens received several millions of lily of the valley pips from Germany. He is possibly the largest importer and grower of lily of the valley in this country.

W. C. Elliott, originator of the Newport Prizetaker sweet corn and grower of several other fancy varieties of sweet corn, beans and peas, died November 27.

Miss Fadden reports a good trade, one order calling for four large wreaths, one made entirely of red carnations, others of galax leaves, chrysanthemums, etc.

V. A. Vanicek, proprietor of the Rhode Island nursery, reports a greater sale, and a large increase of trade in the nursery line.

Wm. H. Maher furnished the decorations and bouquets for the Martin-Lynch wedding held on Thanksgiving day.

F. L. Z.

Morristown, N. J.

The November meeting of the Morris County Gardeners' and Florists' Society was postponed to November 21 to allow the many members, exhibitors at various points, to return home. Evidently all were pleased, particularly the contingent which visited Chicago. The description they gave of the Windy city, and the treatment they received there, made more of us wish we had gone. Nomination of officers was the main business. R. Vine and R. M. Schultz were nominated for the presidency; Percy Herbert for vice-president; Wm. Charlton and Wm. Duckham for treasurer, and E. Reagan for secretary. R. Vine had a vase of carnation White Perfection. He secured a cultural certificate. Chas. H. Totty had a dozen Miriam Hankey on hand. It was ahead of any pink we have seen this year. By request, Mr. Totty is to tell at the next meeting how the new chrysanthemum showed up this fall at the various exhibitions. One new member was elected and three more names proposed.

E. R.

HORACE E. FROMENT, Wholesale, Commission,
Successor to William Ghormley.
Orchids, Roses, Carnations, Valley, Lilies, Etc.
57 West 28th Street, NEW YORK CITY.
Telephones 2200 and 2201 Madison Square.

Alexander J. Guttman,
THE WHOLESALE FLORIST OF NEW YORK,
43 West 28th Street.
Write for prices on any variety of cut flowers, not only for Christmas, but for all the year round. Enough said.

Choice Carnations. Selected Roses.
Traendly & Schenck
NEW YORK CITY,
44 W. 28th Street, Cut Flower Exchange.
New Telephone No. 798 & 799 Madison Sq.
Please mention the American Florist when writing.

CARNATIONS
MY SPECIALTY
Consignments Solicited. Prompt Payments
Established 1891.
Alfred H. Langjahr, 55 W. 28th St., NEW YORK.
Telephone 3924 Madison Square.
Please mention the American Florist when writing.

FORD BROS.
Receivers and Shippers of
Fresh Flowers
48 West 28th St. NEW YORK.
Telephone 3870-3871 Madison Sq.

N. Y. Cut Flower Exchange
Coogan Bldg., 6th Ave. & W. 26th St., New York.
Open for Cut Flower Sales at 6 o'clock Every Morning.
Desirable Wall Space to Rent for Advertising.
V. S. DORVAL, JR., Secretary.

JOHN P. SCHERER,
Wholesale Dealer in
EVERGREENS, GALAX, FERNS and DECORATIVE SUPPLIES.
I can supply everything needed in the way of GREENS OR MOSS.
636 Garden St., UNION HILL, N. J.

ORCHIDS
Largest Importers, Exporters, Growers and Hybridists in the World.
SANDER, St. Albans, England.
NEW YORK OFFICE: Room 1, 235 Broadway. T. MELLSTROM Agent.

Orchids!
ARRIVED IN FINE CONDITION.
Cattleya Harrisoniae, C. Intermedia, C. Gigas, C. Trianae, C. Speciosissima, C. Leopoldii, Laelia purpurata, Oncidium varicosum Rogersii, Marshallianum, Phalaenopsis amabilis and P. Schilleriana.
Lager & Hurrell, SUMMIT, N. J.
Orchid Growers and Importers.

ORCHIDS...
(28 HOUSES)
Imported, semi-established, established, and fine Hybrids. Stove and greenhouse plants.
Inspection invited. Correspondence solicited.
JULIUS ROEHRS CO., Rutherford, N. J.

Charles H. Totty
WHOLESALE FLORIST
Chrysanthemum Novelties A Specialty. MADISON, N. J.

Wholesale Flower Markets

NEW YORK, Dec. 5.

Roses, Beauty, best	20 00@50 00
" " medium	10 00@20 00
" " culls	3 00@10 00
" Liberty, best	3 00@12 00
" " culls	1 00@ 3 00
" Bride, Bridesmaid, G. Gate	2 00@10 00
" Kaiserin, Carnot	2 00@12 00
Carnations	1 50@ 3 00
" fancy and novelties	3 00@ 5 00
Lily of the valley	1 00@ 4 00
Lilies	6 00@15 00
Violets	75@ 1 25
Smilax	6 00@ 8 00
Adiantum	50@ 1 00
Asparagus	20 00@50 00
Chrysanthemums, doz.,	$0 50@$2 00

Thomas Young
WHOLESALE FLORIST.
43 West 28th St., NEW YORK.

Moore, Hentz & Nash,
Wholesale Commission Florists,
55 and 57 West 26th Street,
Telephone No. 756 Madison Square. New York.

N. Lecakes & Co.
53 W. 28th St., NEW YORK.
Tel. No. 1214 Madison Square
Stands at Cut Flower Exchange, Coogan Bldg., W. 26th Street & 34th Street Cut Flower Market. SPECIALTIES: Galax Leaves, Ferns and Leucothoe Sprays, Holly, Princess Pine and all kinds of Evergreens.
Green and Bronze Galax Leaves, $1.00 per 1000.

A. J. FELLOURIS,
J. J. Fellouris, Manager.
Wholesale and Retail Dealer in all kines of
EVERGREENS,
Fancy and Dagger Ferns, Bronze and Green Galax.
Telephone, 2675 Madison Square.
52 West 28th Street, NEW YORK.

George Cotsonas & Co.
Wholesale and Retail Dealers in all kinds of
Evergreens.
Fancy and Dagger Ferns, Bronze and Green Galax.
Phone 1202 Mad. Sq.
Main Store, 50 W. 28th St., NEW YORK

—FLOWERS SHIPPED BY—
JOHN I. RAYNOR
Are the best product of the best growers for the New York Market.
Adiantum Croweanum sold here exclusively.
49 W. 28th St., NEW YORK.
Tel. 1998 Madison Square.

Walter F. Sheridan,
WHOLESALE FLORIST,
Telephones 3532 and 3533 Madison Square.
39 West 28th St., NEW YORK.
Please mention the American Florist when writing.

J. Seligman. Joseph J. Levy
John Seligman & Co.
WHOLESALE FLORISTS
56 West 26th Street, NEW YORK.
OPPOSITE N. Y. CUT FLOWER CO.
Everything in Cut Flowers. Consignments from growers solicited. Prompt returns. Best prices. Satisfaction guaranteed. Tel. 4878 Madison.
Please mention the American Florist when writing.

PHIL. F. KESSLER
Wholesale Commission Florist
Telephones { 2921 / 5243 } Madison Square.
55 WEST 26th STREET,
Consignments solicited. Prompt payments. New York.
Please mention the American Florist when writing.

A. M. HENSHAW
Wholesale Commission Florist,
Consignments of first-class stock solicited. A Square Deal guaranteed to all who trade here.
Telephone 5583 Madison.
52 W. 28th St., NEW YORK
Please mention the American Florist when writing.

A. L. Young & Co.
WHOLESALE FLORISTS.
Consignments of choice cut flowers solicited. Give us a trial.
54 West 28th St, NEW YORK.
Telephone, 3559 Madison Square.

C. W. EBERMAN
Wholesale and Commission
PLANTS.
Consignments Solicited.
53 W. 30th Street, Telephone 3767 Mad. Sq. NEW YORK.
Please mention the American Florist when writing.

THE KERVAN COMPANY,
20 West 27th St., NEW YORK.
Wholesale dealers in fresh cut Palmetto and Cycas Palm leaves, Galax, Leucothoe, Ferns, Mosses and all Decorating Evergreens.

J. K. ALLEN.
Wholesale Commission Florist.
106 West 28th St., NEW YORK CITY.
Open every day at 6:00 A.M. Tel. 167 Madison Sq.

CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

William H. Donohoe, No. 2 West 29th St., (One Door Off 5th Ave.) NEW YORK.

PHONES: 3034 and 3035 MADISON SQUARE.

Write, wire or telephone your orders to the above. Personal attention assured.

The best is none too good. Prices always right. Send me your next order.

DETROIT.

JOHN BREITMEYER'S SONS

Cor. MIAMI and GRATIOT AVES.

DETROIT, MICH.

...Artistic Designs...

High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

MILWAUKEE.

C. C. Pollworth Co.

MILWAUKEE, WIS.

Will take proper care of your orders in WISCONSIN.

INDIANAPOLIS.

Bertermann Bros. Co.

FLORISTS

241 Massachusetts Ave., INDIANAPOLIS, IND.

ST. LOUIS.

Fred. C. Weber,

FLORIST,

4320-4328 Olive St., ST. LOUIS, MO.

Established 1873. Bell, Lindell 676.

DENVER.

The Park ...Floral Co.

J. A. VALENTINE, President. DENVER, COLO.

OMAHA.

HESS & SWOBODA,

Florists,

1415 Farnam Street, Phone 1501 and L. 1582. OMAHA, NEB

Please mention the American Florist when writing.

DENVER.

FLORAL DESIGNS AND FLOWERS.

Best Quality on Shortest Notice.

DANIELS & FISHER, DENVER, COLO.

Order by mail, telephone, telegraph or cable. Cable address: "Daniels Denver."

LONDON PARIS BERLIN

A. Lange

Prompt Attention to STEAMSHIP ORDERS.

Main Address 40 East Madison Street, Heyworth Bldg. ...CHICAGO.

Agents in all Leading European Cities.

GUDE BROS. CO. FLORISTS 1214 F ST. N.W. WASHINGTON, D.C.

WASHINGTON, D. C.

Gude's.

CHICAGO.

P. J. HAUSWIRTH

Auditorium Annex,

CHICAGO.

Mail, telegraph or telephone orders filled promptly in best style.

BUFFALO.

Palmer's

Buffalo, N. Y.

W. J. Palmer & Son, 304 Main St.

WASHINGTON.

GEO. H. COOKE,

FLORIST

Connecticut Avenue and L Street, WASHINGTON, D. C.

KANSAS CITY.

Samuel Murray

...FLORIST...

Coates House Conservatory

1017 Broadway, KANSAS CITY, MO.

Both 'Phones 2670 Main.

Write, Telephone or Telegraph. All orders given prompt attention.

KANSAS CITY.

GEO. M. KELLOGG,

906 Grand Avenue,

KANSAS CITY and PLEASANT HILL, MO.

Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

BROOKLYN, N. Y.

Robert G. Wilson

Fulton St. and Greene Ave. BROOKLYN

Greenhouses: Short Hills, N. J.

—Deliveries in—

Greater New York, Long Island and New Jersey.

Trade orders from all parts of the country filled for delivery at residence, steamer, hotel, or theater on wholesale basis. Satisfaction guaranteed. Wire or telephone.

ST. PAUL.

HOLM & OLSON,

ST. PAUL.

THE LEADING FLORISTS OF THE NORTHWEST

Orders will be well cared for anywhere in Minnesota and the Dakotas.

GALVESTON.

Mrs. M. A. Hansen,

—FLORIST—

Galveston, Texas.

Special attention given to Telegraph or Telephone Orders. 'Phone 1912.

JACKSONVILLE.

MILLS THE FLORIST,

36 W. Forsyth Street,

JACKSONVILLE, FLA.

WASHINGTON.

Mayberry & Hoover

Florists and Decorators

1339 Fourteenth St., Northwest

Telephone North 508. WASHINGTON, D. C.

New Orleans

CUT FLOWERS

For Tourists and General Trade.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, —838— CANAL ST.

COLUMBUS.

The Livingston Seed Co.

FLORISTS

Cover All Ohio Points. 114 North High St.

- - RANDALL'S PHENOMENAL PROGRESS - -

Shown in past year's business. You want the **BEST STOCK,** and only the **BEST,** don't you? Then give us a trial. We have **every** facility for handling the choicest lines of seasonable stock—and we do.

FLORISTS' SUPPLIES are specialties of ours The most up-to-date and best of supplies can be obtained of us at lowest price. Try us once and we will get your future orders. Write for quotations on Christmas goods.

A. L. RANDALL CO., 19-21 Randolph St., Chicago

The Cleveland Cut Flower Company,

WHOLESALE CUT FLOWERS, FLORISTS' SUPPLIES, WIRE DESIGNS.

215 Huron Road, CLEVELAND, OHIO.

Cut Flowers or Designs

Will be delivered for the Trade on Wire or Mail. Orders in Best Qualities and Prices.

ST. LOUIS.

Theodore Miller

FLORIST,

Long Distance Phone, Bell, Forest 56, Kinloch, Delmar 201. **4832 Delmar Boulevard ST. LOUIS, MO.**

Please mention the American Florist when writing.

DAYTON, O.

Matthews,

FLORIST,

16 W. 3rd St., DAYTON, O.

Flowers in any arrangement for all occassions for Dayton and vicinity. Long dis. phones.

Please mention the American Florist when writing.

ALBANY, N. Y.

EYRES

Flowers or Design Work.

DELIVERED IN ALBANY AND VICINITY ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

Please mention the American Florist when writing.

ROCHESTER.

J. B. KELLER SONS,

FLORISTS.

25 Clinton Ave., N., ROCHESTER, N. Y.

Rochester Phone 506. Long Dist. Bell Phone 2189.

Please mention the American Florist when writing.

SAN FRANCISCO.

J. B. Boland Co.

Successors to Sievers & Boland,

FLORISTS,

47-49 Geary St., SAN FRANCISCO, CAL.

Please mention the American Florist when writing

LOUISVILLE.

JACOB SCHULZ, 644 Fourth Ave., LOUISVILLE, KY.

Cut Flowers of BEST QUALITY in season delivered promptly to any address.

Write, Telegraph or Telephone.

Cumberland and Home Phones 223 and 984.

ATLANTA.

ATLANTA FLORAL CO.

41 Peachtree Street, ATLANTA, GEORGIA.

ROOTED ROSE CUTTINGS.

NOW READY.

AMERICAN BEAUTIES	per 100,	$3 00;	per 1000,	$25.00.
KAISERIN	"	2.50;	"	20.00.
CARNOT	"	2.50;	"	20.00.
LA DETROIT	"	2.50;	"	20.00.

BASSETT & WASHBURN,

Office: 76 Wabash Ave., Chicago. Greenhouses: Hinsdale, Ill.

CHRYSANTHEMUMS.

All Varieties to Suit Everybody.

Our Preliminary List describes them.

—Also offers—

CANNA BULBS, SEEDS, ETC.

at prices that will please you.

—Perfect young stock of—

Petunias, Ageratum, Heliotrope, Etc.

Are you in need?

NATHAN SMITH & SON, Adrian, Mich.

FERNS. Extra Fine and Cheap.

FROM BENCH. Boston, 3-inch, 5c; 4-inch, 10c.; 5-inch, 12½c. Tarrytown, 3-inch, 10c.; 4-inch, 15c; 6-inch, 25c; Tarrytown Runners, fine stock, $2.00 per 100. Scottii, 3-inch, 8c; 4-inch, 12½c.

FLOWERING BEGONIAS, 8 kinds, 2-inch, 2½c.
ASPARAGUS SPRENGERI, 2½-in., $2.00 per 100.
Dbl. DAISIES, Longfellow, Delicata, $2 50 per 1000.
HARDY PINKS, field, Essex Witch, M. Gray, Abbotsford, 3½c. **HARDY CARNATIONS,** nice young plants from frames, $2 00 per 100.
Dbl. HOLLYHOCKS, 4 colors, field, 1 year, 3c.
REX BEGONIAS, 3-inch, 8c. Cash or C. O. D.

BYER BROS., Chambersburg, Pa.

ROOTED CUTTINGS.

PELARGONIUMS, 15 var. named, $2.25 per 100.
BEGONIAS, $1.50 per 100.

Shipping charges prepaid. Cash with order. Write to

S. D. BRANT, Clay Center, Kan.

Blackistone Florist
14th and H Sts. N.W.
Washington, D.C.

Please mention the American Florist when writing.

FERNS FROM BENCH.

BOSTONS, ready for 4 and 5-inch pots, $10.00 and $15.00 per 100 respectively.

CARNATIONS.

1500 Norway, extra large, healthy plants, $3.50 per 100; $30.00 per 1000.

ASPARAGUS.

Heavy, 2½-inch, plants, ready for a shift, Sprengeri, extra fine.. 3.00 per 100; 25.00 per 1000
JERUSALEM CHERRIES, 3½-inch, now in bloom, $4.00 per 100. These plants are ready for 5-inch

J. W. DUNFORD, Clayton, Mo.

Please mention the American Florist when writing.

ROOTED ROSE CUTTINGS.

Brides, Maids, Gates, Chatenay, $1.50 per 100, $12 50 per 1000; Richmond, $2.00 per 100, $18.00 per 1000. Clean stock, strongly rooted.
Asparagus Plumosus, 2-in., $3.00; 3-in., $6.00.
Stock 'Mums: White—Estelle, Kalb, Willowbrook, Eaton; Pink—Shaw, Duckham, M. Bailey, Enguehard, Dean; Yellow—Oct. Sunshine, Yellow Eaton, Whilldin, Bonnaffon, Wedding, 75c per doz., $6.00 per 100, for two weeks. Order at once. Nonin, $1.00 per doz.

W. H. GULLETT & SONS, Lincoln, Ill.

Nephrolepis Whitmani

Young plants from bench,

$6.00.....per 100.

DAVIS BROS., Morrison, Ill.

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

The Seed Trade.

American Seed Trade Association.
H. W. Wood, Richmond, Va., Pres.; C. S. Burge, Toledo, O., First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas. Twenty-fifth annual convention at New York, 1907

TOMATO SEED is one of the cheap and plenty items on the vegetable seed lists.

A GOOD lot of Indiana grown onion sets are tied up in Indianapolis by some legal complications.

THE Saturday Evening Post of Philadelphia tells of Albert Dickinson in its talks of "Who is who."

ONION SETS left about Chicago now are mostly stored by growers who are not disposed to sell to spring.

CHICAGO.—Alex. Henderson, of Vaughan's Seed Store, returned from Europe with his family December 2.

HORATIO NELLIS, father of A. C. Nellis, died suddenly at the latter's residence, November 13, in his eightieth year.

ROCKFORD, ILL.—H. W. Buckbee has returned from his California trip, having covered most of the seed growing districts there.

S. M. ISBELL & Co. are offering a new musk melon called The Grand, said to be 10 to 14 days earlier than Osage and equal in flavor.

BOSTON, MASS.—Peter Miller of Joseph Breck & Sons, sailed from New York December 1 for a two months' pleasure trip in Europe.

SOME important changes, affecting nurserymen and seedmen, have been made in the new Canadian tariff, particulars of which appear elsewhere in this issue.

A VERY useful bulletin entitled "The Melon Aphis," by F. H. Chittendon, has been issued by the Department of Agriculture. The bulletin of 16 pages is fully illustrated.

SEEDS of vegetables, flowers and plants in common with beans, maize and other grain-products on entering Costa Rica pay a duty of .02 colon per kilo. The colon is equal to $0.465.

SECRETARY WILSON in his annual report says: "The congressional seed work for the year has been conducted practically along the same lines as in the past. The number of packages of miscellaneous vegetable and flower seeds sent out during the year was about 7,000,000. There has been no change in this number during the past five years."

VISITED CHICAGO:—L. C. Routzahn, of the Routzahn Seed Co., Arroyo Grande, Cal.; H. A. Johns, of Sioux City, Ia.; R. H. Shumway, of Rockford, Ill.; C. R. Kimberlin, of San Jose, Cal.

CUCUMBER BLIGHT has become so prevalent about Chicago that the hundreds of acres planted in Cook county have nearly become a thing of the past. Cuke pickles must now be shipped here.

CHICAGO.—L. A. Budlong, of the Budlong Co., is taking a winter yachting trip along the south Atlantic coast and the Florida waters as the guest of his nephew, Frank Budlong of Providence, R. I.

EARLY INQUIRIES are coming in for onion seed showing that planters are alive to the shortage and are ready to get prices as well as samples for testing for vitality. The smart grower has to be "shown" nowadays.

LOUISVILLE, KY.—Western and Minneapolis buyers have been looking for onion sets in this market the past week Yellows are worth about $1.40 here today, December 1st, sacks extra, and stocks are pretty well out of first hands at this time.

PROF. W. W. TRACY, of the Department of Agriculture, Washington, D. C., and member of the Council of Horticulture, has been appointed chairman of a committee to co-operate with the Jamestown Exposition authorities in planning a horticultural congress during that time.

CHICAGO ONION SET growers are reported as buying Louisville seed for Set planting for the coming season, using the so-called Yellow, which is somewhat reddish or mixed with light red, for that purpose at a price of 60 cents per pound, also some of the Louisville White Seed. Buyers of sets next autumn who are looking for Chicago yellows will certainly be disappointed with this colored stock.

THE present rate of duty on clover seed entering Cuba is $4.50 per 100 kilos, gross weight. From this a reduction of 20 per cent is made to United States produce making the net duty $3.60. Flax seed, gross weight, enters at $1.25 from other countries, 82 cents from United States. Timothy seed enters at $2.50 and $2.00 respectively and the unit of quantity is in each case 100 kilos. The importation of foreign tobacco seed into Cuba is prohibited until further notice.

THE Bureau of Plant Industry, of the Department of Agriculture, reports the introduction of a Siberian alfalfa, that in its native country withstands without snow protection a cold of 40° below zero. The report says, "This discovery may mark an epoch in the agriculture of the northwest prairie regions of the United States." Other introductions are a vigorous Arabian alfalfa and the Tangier pea which has yielded nine tons of green feed per acre. Much good work has been done by the department in the investigation of seed adulteration, also in securing high grade strains of sugar beet. Especially satisfactory are the results obtained in the development of a sugar beet seed with a single germ, which will lessen the work of thinning and singling, a very important point.

Experiments In Bulb Culture.

Thirty thousand hyacinth tulip and narcissus bulbs have been imported and distributed among various farmers in Washington state with a view of testing how far the soil is suitable for their culture. John Vander Bosch is associated with John Mass, the owner of one of these farms at Hillyard Orchard Heights. The former has had considerable experience as a bulb grower both in Holland and England.

The soil at Hillyard is described as

A. J. Pieters Seed Co.
HOLLISTER, CAL.
— GROWERS OF —
Vegetable and Flower Seeds.
Special attention paid to selected stocks.
A. J. Pieters, President and Manager, will visit the trade December-January.

C. C. MORSE & CO.
SEED GROWERS.
171-173 Clay Street, : SAN FRANCISCO, CAL.
OUR SPECIALTIES: Onion, Lettuce, Sweet Peas; also Carrot, Celery Celeriac, Cucumber, Endive, Leek, Mustard, Parsley, Parsnip, Radish, Salsify, Spinach, Tomato and Flower Seeds.
Growers for the Trade on Contract.
Warehouses: at SANTA CLARA.
Farms and Farm Headquarters: CARNADERO, near GILROY.
Registered Cable Address: "Morseed," San Francisco.

THE FINEST VALLEY FOR EARLY FORCING NOW READY.
$14.00 per 1000; $1.50 per 100.
Selected Pips for forcing at all seasons.
THIS stock has been picked out with the greatest care. We feel satisfied that they will force out at Christmas or earlier and do splendidly. No better pips can be had. (All cold storage stock sold out.)
FANCY CUT VALLEY FOR THANKSGIVING.
H. N. BRUNS,
1409 W. Madison St., - - CHICAGO.

volcanic ash and is thought by the expert to be good for bulb culture. His estimate is that from a quarter acre lot 50,000 to 60,000 bulbs can be taken and as all flowers produced are a by-product that goes to the grower the bulb farm should show a handsome profit. There are two other farms where bulbs are to be grown, at Tacoma and Bellingham. The bulbs are supplied free of cost by the government but one-tenth of the produce has to be returned, and the farm making the best showing is to be made a permanent experiment station.

LOS ANGELES, CAL.—This is the time the store boys are thinking of smuggling holly from Catalina for the Christmas trade.

WELLINGTON, KANS.—Mrs. J. H. Hill has bought the Hiram Myers greenhouse and rebuilt it 30x100 feet, with steam heat, and electric lights.

John Scheepers & Co.

Finest Bulbs, Seeds, Plants and Valley.

NEW YORK CITY.

Send for valuable Free catalogue.

HJALMAR HARTMANN & CO.

Growers for the Wholesale Trade Only.

31 Barclay St. NEW YOYK. **12 Stormgade, COPENHAGEN.**

CAULIFLOWER and CABBAGE SEED

QUALITY SEEDS BULBS PLANTS

SEND FOR CATALOGUE.

ARTHUR T. BODDINGTON

342 West 14th St., New York.

SEEDS

If you are in need of any of the following, write us for prices.

Beet, Cabbage, Cannon Ball and Rocky Ford Musk Melon, southern-grown Watermelon, Bermuda and other Onion Seed, Okra, Mustard, French and California-grown Radish, Tomato, Mexican June Corn, Kaffir Corn, German Millet, Dwarf Yellow Milo Maize, Sugar Cane, Winter Barley, Red Rust Proof Oats, Cotton Seed, Whippoorwill and White Black-Eyed Field Peas, Spanish Peanuts, Johnson and Bermuda Grass.

TEXAS SEED AND FLORAL CO.
DALLAS, TEXAS.

J. STAER, Nurseryman and Seedsman,

WAHROONGA, New South Wales. AUSTRALIA.

Collector of Australian and Island Seeds and Plants. Palms. Ferns, Platyceriums, Orchids, Eucalyptus, ornamental trees and shrubs.

PALM SEEDS.

	Per 1000		Per 1000
Kentia Forsteriana	$1.25	Livistona Australis	.50
" Belmoreana	1.25	Bacularia Monostachya	1.50
" Canterburyana	3.00	Calamus Muelleri	1.50
" Moorei	12 00	Gymnostachys Anceps	2.00
Areca Baueri	1.00		
Seaforthia Elegans.	.50		

TREE SEEDS.

Castanospermum Australe.....$5.00 per 1000
Araucaria Excelsa..... 1.25 per 1000

Seasonable Bulb Stock

We call attention to a few leading varieties of which we have good stocks,

FINE FORCING STOCK OR FOR BEDDING,

which we can supply as long as unsold as follows:

NARCISSUS.

	Per 1000
Golden Spur, the favorite single yellow.	$18.00
Grandee (Maximus)	10.00
Horsfieldi	16.00
Princeps, large Irish single trumpet Daffodil	7.00
Single Von Sion, very early, much earlier than Trumpet Major	11.00
Trumpet Major, French-grown, forces extra early	12.00
Double Von Sion, extra sized bulbs	12.00
Double Von Sion, mammoth double-nosed or top-root	20.00
Incomparable fl. pl.	9 00
Incomparable Stella	5.50
Poeticus (Pheasant's Eye)	4.50
Poeticus Ornatus	7.00
Orange Phoenix	11.00
Giant Campernell (Jonquil Rugulosus)	6.00
Double Jonquil	8.00
Bicolor Victoria, of great merit	$3.00 per 100 25.00
Barri Conspicuus	8.00
Silver Phoenix	20.00
Mrs. Langtry	10.00
Orientalis (Chinese Sacred Lily), bundle of 4 baskets 120 bulbs) for	$4.80

HYACINTHS.

	Per 100
Miniature or **Dutch Romans,** fine for pans or for cutting, and can also be used very satisfactorily for bedding: very cheap and very profitable.	
Grand Maitre, Gigantea, Gertrude, King of the Blue, and La Peyrouse	$1.75
Baroness Van Tuyll and Mme. Van der Hoop	2.25
Czar Peter	2 50
Fine Named, such as Albertine, Gertrude, Grand Blanche, Robt. Steiger, Mme. Van der Hoop, L'Innocence, Baron Van Tuyll (pink), Marie, Blocksberg, Bouquet Tendre, Flevo, Garrick, Bouquet Royal, La Virginite, Prince of Orange etc., our selection of varieties	$4 00 per 100; $30 00 per 1000
Where special varieties are wanted, write for price.	
White Romans, selected bulbs 13-15 cm.	$3.00 per 100; $25.00 per 1000

LILIUM LONGIFLORUM.

Japan-grown, 9-10 in. bulbs, case of 200 for	$15.00
Japan-grown, **Multiflorum,** 7-9 in. bulbs, case of 300 for	15.00
Japan-grown, **Multiflorum,** 9-10 in. bulbs, case of 200 for	17.00

LILIUM LONGIFLORUM.

Japan-grown, **Giganteum,** 8-10 in. bulbs, case of 225 for	$22.50

	Per 1000
Freesia Refracta Alba. nest Bermuda bulbs	$7.50
Lily of the Valley. Just arrived. Our finest perfection grade for earliest forcing, immediate delivery, case of 2,000 pips for	$28.00
Gladiolus Colvilli alba, "The Bride"	7.50
Gladiolus Colvilli rubra	6 50
	Per 100
Astilbe, or **Spirea.** Ready for delivery. Gladstone	8.00
Astilboides floribunda and Japonica	5.00
Compacta multiflora	6.00
Dielytra spectabilis, strong clumps	8.00
	Per 1000
Crocus, large sized bulbs in finest named varieties.	
David Rizzio, La Majesteuse, Mont Blanc, Prince Albert, Sir Walter Scott, etc	5.00
Separate colors, blue, white, yellow, and striped	3.00
Allium Neapolitanum	5.00
Anemones, single	4.00
Chionodoxa Luciliae	6.50
Grape Hyacinths, blue	3.50
" " white	6.50
Spanish Iris, mixed	2.50
Double Ranunculus, French	3.50
" " Persian	4.00
" " Turban	5 00
Scilla Campanulata cerulea	3.50
Snowdrops, Single and Giant	6.00
Sparaxis	3.50
Ixias, mixed	2.50
Oxalis, Bermuda Buttercup	6.00

TULIPS.

	Per 1000
Cottage Maid	$ 9.00
Keizerskroon (Grand Duc)	17.00
La Reine	8.50
Prince of Austria	24.00
Bizardres, mixed	7.00
Darwins, mixed	10.00
Golden Crown	7.50
Parrots, named	12.00
Count of Leicester	9.00
Duke of York	9.00
Gloria Solis	12.00
Lady Grandison	12.00
Murillo	19.00
Peony Red	10.00
Rose Blanche	8.00

For other varieties, see our wholesale list, which will be sent on application.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York

FORCING RHUBARB.

Under the greenhouse bench or in any old cellar or mushroom house is entirely practical and an easy proposition.

Send for My Special Florists' Circular on Rhubarb Forcing

It gives ample directions for successful culture. I have a good supply of large **Undivided Clumps.** Prices: $2.00 per doz; 25 for $3.75; $12.00 per 100; $100.00 per 1000. (500 at 1000 rate).

Stokes Seed Store.

219 Market Street, PHILADELPHIA, PA.

MUSHROOM SPAWN.

STYER

Frequent importations from England. Always fresh and lively.

J. J. STYER, Concordville, Pa.

Please mention the American Florist when writing.

MICE PROOF SEED CASES.

SEND FOR BOOKLET.

HELLER & CO., Montpelier, O.

Please mention the American Florist when writing.

The Nursery Trade

American Association of Nurserymen.
Orlando Harrison, Berlin, Md., President; J. W Hill, Des Moines, Ia., Vice-President; George C. Seager, Rochester. N. Y., Sec'y.
Thirty-second annual convention, Detroit, Mich., June, 1907.

CONSUL H. S. BRUNOT in a report from St. Etienne suggests the culture of the English—so-called—walnut in the southern states. Over $30,000 worth of this nut is exported to America from St. Etienne alone.

IF the colored plate in the Garden November 24 is as true to nature as these plates were wont to be, the new rambler rose Hiawatha should prove to be a good variety for garden use. The flowers are single, borne in large clusters, the color an intense bright crimson with a white center.

THE Pennsylvania railroad has sodded down several stretches of the banks and ditches with a view to prevent erosion by storm water, and though the cost has been very great it is estimated that it will be a good investment, much less labor being needed to keep the track clear. There will also be less interference with the ordinary traffic of the road by ballast and laborer's trains.

Nurseryman Vanderbilt.

Baltimore, November 22.—From this date George W. Vanderbilt, Lord of Biltmore, is to be gardener in chief of the city of Baltimore, his honorarium being $3,280 a year. Some time ago the park board made up a list of the nursery stock, plants, shrubs, bulbs and other things it felt it needed for the adornment next year of the parks and squares and then advertised for bids. The only response came from the landscape department of the Biltmore estate, Mr. Vanderbilt's magnificent place in North Carolina, which offered to furnish all the things needed for $3,280.13. As this was within the estimated cost, the offer was promptly accepted.

The customary certified check accompanying the bid was in unusual form. Instead of being a check, it was a voucher, certified by the National Park bank, of New York.

The Climbing Rose Rubin Or Bury.

In its issue for August 25, 1906, the Deutsche Gartner-Zeitung, Erfurt, publishes on page 414 a large illustration of the climbing rose Rubin, originated by J. C. Schmidt, a horticulturist at Erfurt, Germany, and introduced in 1899.

This climbing rose, which is very vigorous, is especially recommended for decorating pillars as well as for quickly covering arbors. It is simply an improved variety of Crimson Rambler, with which it has much similarity; its flowers are a little larger and of a brighter red. These are the principal characteristics which distinguish it from Crimson Rambler.

This rose is the variety which was exhibited as a novelty in 1905, in the rose division of the French National Horticultural Society, by Cayoux & Leclerc, seedsmen, Paris, under the erroneous name of Ruby.

Why change further the already badly mixed nomenclature of roses? The first name of this sort is the one which should be retained for this climbing rose, whose purchase and planting are to be particularly recommended in high and cold regions because of its hardiness.—Journal des Roses, September 1906.

Nurserymen Landscape Despoilers.

A correspondent of our esteemed contemporary, Country Life in America, gives our well known bumptious friend,

The Late George Ellwanger.
See obituary

the nurseryman landscape despoiler, a timely and well deserved castigation as follows:

A friend of mine who has recently completed a new house and grounds asked me what to plant in the way of shrubs and trees. I went over the place, sketched a little plan, located shrubs quite freely, and handed him the list. He counted them up and smilingly said, "A man came into my office and said he would like to go up to my place, look it over, and prepare a plan and estimate the number of shrubs wanted. He said it wouldn't cost me anything; that he was a landscape gardener and could buy quite cheaply and would charge a slight commission on cost for his services. Here is the list."

This list called for over 350 shrubs. My list was 40. The space to plant was an area 48x100 feet. Out of this 100 feet width, space must be taken for the walk, 4x48, and a service walk 3x48. In addition to this, the ground is already occupied by seven large native oaks and maples and ash, some 40 to 50 feet tall. My friend came very near letting this man clutter up his place because he did not know any better. Undoubtedly many persons are swindled in this manner and they ought to be warned.

There is another class of landscape gardener equally dishonest and obnoxious, the fellow who goes out and wantonly destroys fine natural landscape, trees and shrubbery in order to substitute the artificial work and nursery stock. Our aim is to promote the interests of the trade, horticulture and floriculture, and in doing this we say with all the fervor at our command, put these holdup men and all others of that ilk out of business as quickly as possible. We have given our views on the villanous class repeatedly in these columns and we are very pleased indeed to see that others are awakening to the fact that it exists.

Tree Peonies.

THE great beauty and utility of the Chinese or tree peony is not sufficiently recognized in America. At the time of its flowering in May there is nothing that can compare with the better varieties for gorgeous beauty, rich tint and size of flower, while the beautiful foliage coming right up under the blooms makes a perfect bouquet of each. With all their size and rich coloring there is a refinement and grace about them that is lacking in most other flowers of the same effective character; even those of the single forms of the herbaceous peony cannot compare with them in this respect. They are strictly hardy in any but the most exposed positions, but they well repay being planted in a sheltered position by their increased growth and earliness. Good soil and careful culture are essential, and a light shading over the plants, should very hot weather ensue at flowering time, helps to bring out the richest tints of color.

WILKESBARRE, PA.—Many suggestions for the extensions of the parks system have been made by the local papers lately, including one from the Times to sell the coal underlying the river and common to provide the necessary funds.

LARGE TREES.
OAKS and MAPLES.
PINES and HEMLOCKS.
ANDORRA NURSERIES,
Wm. Warner Harper, Prop.
Chestnut Hill, PHILA, PA

Climbing Clothilde Soupert, Marie Pavic, Crimson Rambler and Dorothy Perkins
ROSES
Grafted Oranges and Kin Kans, Palms, Biota Aurea Nana, Conifers and other stock for Florists and Nurserymen,
IN IMMENSE QUANTITIES.
400 acres in Nurseries. 60,000 feet of glass. Catalog on application.
P. J. BERCKMANS CO. (Inc.) Fruitland Nurseries
Established 1856. AUGUSTA, GA.

PEONIES.

From our large and select stock, such as the following varieties:

Prince Charles,	Philomile,
Mons. Boquil,	Lord Salisbury,
Leonie,	Festiva,
Duchess of Sutherland,	Hypatia,
Rosea maxima,	Mons. Rousselon,
Mme. Furtado,	Mme. Moreau,

and many other good varieties all true to name.
Strong 1 year old.....$1.50 per doz.: $10.00 per 100
" 2 " " ..... 2 00 " 15 00 per 100

Iris Germanica, Mme. Chereau, Gracchus, Florentine, Socrates, Duchess de Nemours, Dr. Bernice and 20 other good sorts, $2.50 per 100; $22.50 per 1000.

Hemerocallis (Day Lilies), in 10 varieties, to clear, $3.75 per 100; $30.00 per 1000.

The Undermentioned are Strongly Recommended for Cut Work.

Delphinium Belladonna, distinct, continuous bloomer, lovely sky-blue, 1 year old plants, $6 25 per 100; $57.50 per 1000. 3 year old clumps, $8.75 per 100; $75.00 per 1000.

Chrysanthemum maximum King Edward, the finest and largest hardy White Marguerite, four F. C. C.'s and A. M., R. H. S., strong from ground, $8.75 per 100.

Lathyrus latifolius White Pearl, true from cuttings, flowers double the size of the old white variety, A. M., R. H. S., strong from ground, $16.25 per 100. Seedlings, not guaranteed, $12.50 per 100.

Buyers of **Begonias, Dahlias** and **Cannas** should see our catalogue and write for prices. Special terms for quantities.

THOMAS S. WARE, Ltd., FELTHAM, ENGLAND.
Formerly of Tottenham.

Please mention the American Florist when writing.

ROSES.

Heavy Native Grown Stock.

	Per doz.	100
Baby Rambler	$2.50	$20.00
Hermosa	1.65	12.50
Clothilde Soupert	1.65	12.50

Imported Roses

Extra Heavy Hybrid Perpetuals.

	Per 10	100
All leading varieties	$1.50	$12.50
Baby Rambler	2.00	17.50
Crimson Rambler	1.75	15.00

Hollyhocks.

A nice lot in separate colors...$7.50 per 100

PERENNIAL GARDENS CO., Toledo, O.

Please mention the American Florist when writing.

NURSERY STOCK

All kinds of Hardy Nursery Stock.
Ask for prices.

KLEHM'S NURSERIES,
ARLINGTON HEIGHTS, ILL.

Specimen Nursery Stock.

Deciduous Trees and **Shrubs. Evergreens, Rhododendrons, Azaleas.**
Over one hundred (100) acres of the choicest varieties. Send for price list.

COTTAGE GARDENS COMPANY,
Queens, Long Island, New York.

Please mention the American Florist when writing.

TREES AND SHRUBS.

We make especially low prices on **Nursery Stock** to Parks, Cemeteries, etc. Wholesale price-list on application. We carry immense quantities of the finest named varieties of

PEONIES.

PETERSON NURSERY 503 W. Peterson Ave. CHICAGO, ILL.

Spireas, Azaleas, Rhododendrons, Etc.

Spirea Japonica	$4.00 per 100.
Spirea Nana Compacta	4.00 per 100.
Spirea Ast. Floribunda	4.25 per 100.
Spirea Gladstone	6.50 per 100.

AZALEA INDICA. Fine list early and late varieties: Simon Mardner, Empress of India, Niobe, Prof. Walters, Mme. Van der Cruyssen, Helen Thielman.

10 to 12-inch crowns	$35.00 per 100.
12 to 14-inch crowns	45.00 per 100.
14 to 16-inch crowns	$55.00 per 100.
16 to 18-inch crowsn	90.00 per 100

AZALEA MOLLIS. Bushy, well budded seedlings.

12 to 15 inches high	$25.00 per 100.
15 to 18 inches high	35 00 per 100.

RHODODENDRONS. Bushy, perfect shaped plants of leading forcing varieties.

18 to 20 inches high, full of buds	$ 9 00 per doz.
20 to 24 inches high, full of buds	12.00 per doz.
LATANIA BORBONICA, strong, 4-inch	$15.00 per 100.
KENTIA BELMOREANA, 5-inch, bushy	60.00 per 100.
NEPHROLEPIS ELEGANTISSIMA, 2¼-inch pots	5.00 per 100.

THE STORRS & HARRISON CO.

PAINESVILLE, - OHIO.

Please mention the American Florist when writing.

HIBISCUS SYRIACUS MEEHANII

WE now offer to the trade our new hardy variegated leaf Hibiscus Syriacus Meehanii. This plant attracted much attention when exhibited at the American Nurserymen's Convention at West Baden, Ind., and American Florists' Exhibition at Asheville, N. C. Foliage beautifully variegated; never sun-scalds or reverts to the green; flowers single, very large, satiny lavender; blooms during four months; prices on application. Orders booked now.

P. J. BERCKMANS CO., Inc., Fruitland Nurseries' AUGUSTA, GA.

SEASONABLE STOCK FOR FLORISTS.

HYDRANGEAS FOR FORCING Otaksa and Thos. Hogg	With 7-12 flowering crowns	$12.00 per 100
	With 5-6 flowering crowns	9.00 per 100
	With 4 flowering crowns	7.00 per 100

From 6-inch pots and open beds; all out-door grown.

ROSES—Strong, 2-years, field-grown, selected for forcing.

Hybrid Perpetuals	$10.00 and $12.00 per 100
Crimson Rambler	9.00 per 100
Dorothy Perkins	7.00 per 100

And **LADY GAY,** a **new** hardy climbing rose of **exceptional merit;** ready **now,** from 2½-inch pots only. Write for prices.

JACKSON & PERKINS CO., Nurserymen and Florists, Wholesale Only, **Newark,** Wayne County, **New York.**

Not a bloomin' thing

but Roses to offer you.

101 best sorts. Own roots. 2½-in. and 4-in.
Get our price list. Send your want list.

THE LEEDLE FLORAL COMPANY, SPRINGFIELD-OHIO

PEONIES.

Queen Victoria (Whitleyii), per 100	$ 9.00
Festiva Maxima, per 100	30.00
Fragrans, "Late Rose" per 100	6.00

Large stock of M. L. Rhubarb and Lucretia Dewberry Plants.
For 1000 rates and other varieties, write

GILBERT H. WILD, Sarcoxie, Mo.

Send to **THE MOON** Company
For Your { **Trees, Shrubs, Vines and Small Fruits.**
Descriptive Illustrated Catalogue Free
THE WM. H. MOON CO.,
Morrisville, Pa.

CHOICE NORTHERN GROWN
2-year in field, fine for forcing.

CRIMSON RAMBLERS,

$10.00 per 100.
HYDRANGEA PAN. GRAND., $8.00 per 100.
C. M. NIUFFER, Springfield, Ohio.

Please mention the American Florist when writing

Jacs Smits, Ltd.

NAARDEN, (Holland.

GROWERS OF
Rhododendrons, Axaleas, pot grown Shrubs for forcing, Lily of the Valley, Spiræa, Paeonias, Roses, Climbing Plants, good varieties of Conifers and all ornamental stock.

Personal Inspection Cordially Invited.
R. R. Depot, NAARDEN-BUSSUM, near Amsterdam.
Price list free on demand.

MANETTI ROSE STOCKS.

A special selected grade for florists' use.
Ready for delivery about December 1.
Write for prices and information.

Thomas Meehan & Sons, Inc.,
Box F. **DRESHERTOWN, PA.**

The American Florist Company's Directory of Florists, Nurserymen and Seedsmen of the United States and Canada.

(Copyrighted and Title Trade-Mark Registered.)

DIRECTORY REVISION.

We are revising our **Trade Directory** of the **Florists, Nurserymen, Seedsmen,** etc., of the United States and Canada, and as there have been many changes in firm names and considerable extension of the area under glass, nursery grounds, etc., you would greatly oblige by filling out this sheet.

When was business established?.....

Whom did you succeed?.....

Are you a Florist?.....

Grower?.....*Retailer?*.....

*How many square feet under glass?**.....

Are you a Nurseryman?.....

Wholesale?.....*Retail?*.....

How many acres operated?.....

Are you a Seedsman?.....

Dealer?.....*Grower?*.....

What are your specialties?.....

.....

Firm name.....

Proprietor's name.....

Manager's name.....

Street.....

Postoffice.....*State*.....

* ☞ To ascertain the number of feet under glass in a given house, 12x145, multiply the length (145 feet) by the width (12 feet) and you have in that house 1,740 feet under glass, thus.....

145
12
1,740

Horticultural Supply Concerns.

We also list all lines of **Horticultural Supply Concerns,** such as manufacturers of

Greenhouse Building Materials, Boilers, Ventilators, Glass, Insecticides, Pots, Labels, Seed Bags, Fertilizers, Wire Designs, Tinfoil, Vases, Implements, Machinery, Sprayers, Seed Cases, Etc.

The specialties are also listed under these heads in the case of advertisers.

Advertising Rates.

Including Copy of New Edition.

Page (3½x6½ ins.)	$25.00
Half page (3½x3¼ ins.)	15.00
One-fourth page (3½x1⅝ ins.)	9.00

If there are any new firms or trade changes in your vicinity, please give the particulars here:

.....

.....

.....

PLEASE FILL IN THESE PARTICULARS AND MAIL THIS SHEET TO

American Florist Company,

Directory Department. **324 Dearborn Street, CHICAGO.**

FOR THE HOLIDAYS. Norfolk Island Pines

ARAUCARIA EXCELSA

4-inch pots, 5 to 6 inches high, 2 tiers.....$0 40 each
6-inch pots 12 to 14 inches high, 3 tiers..... 75 each
6-inch pots, 16 to 18 inches high, 3 to 4 tiers..... 1 00 each
6-inch pots, 18 to 20 inches high, 4 tiers..... 1 25 each
7-inch pots, 20 to 22 inches high, 4 to 5 tiers..... 1 50 each

ARAUCARIA EXCELSA GLAUCA

6-inch pots, 13 to 15 inches high, 3 tiers.....$1 25 each
7-inch pots, 22 to 24 inches high, 4 to 5 tiers..... 2 00 each

ARAUCARIA ROBUSTA COMPACTA

6-inch pots, 10 inches high, 2 to 3 tiers.....$1 25 each
6 inch pots, 12 inches high, 3 tiers..... 1 50 each

ADIANTUM FARLEYENSE

Extra fine stock. The best we have ever offered. Every plant a specimen.
4-inch pots.....$ 5 00 per dozen; $40 00 per 100
5-inch pots..... 9 00 per dozen; 70 00 per 100
6-inch pots..... 12 00 per dozen

NEPHROLEPIS SCOTTII

Dwarf, perfect bushy specimens, as fine as can be produced.
6-inch pots.....50c each

NEPHROLEPIS WHITMANI

The finest of all the Ostrich Plume varieties.
Well furnished compact plants, in 8-inch pans.....$2 00 each

BOSTON FERNS

Good compact plants in 6-inch pots.....50c each

MIXED FERNS FOR DISHES

A good assortment of useful varieties.
2¼-in. pots..$3 50 per 100; $30 00 per 1000 3-in. pots..$6 00 per 100; $50 00 per 1000

HENRY A. DREER, 714 Chestnut St., Philadelphia, Pa.

Azaleas for Christmas

$1.00, $1.25 and $1.50 each.

Celestial Peppers, 5-in.. 25c; 4-in.. 50c; 8-in., $1 00 each
Jerusalem Cherries, 5-in . 25c; 6-in., 50c each.
Romans, 5-in. 25c each.
Paper Whites, 5-in . 25c; 6-in., 40c each.
Chinese Primroses, 4-in . $12 50.
Primula Obconica, 4-in.. $12.50.
Baby Primroses, 4-in.. $12.50.
Rex Begonia, 4-in.. $15.00.

SPECIAL.

50 10-in. **Bostons,** worth $4.00 for $2.50 each. or $25.00 for a dozen.
For Christmas, a very fine lot of Elegantissima, Barrowsi, Pierson, Scottii, Whitmani and Bostons, in 4, 5 and 6 in. pots. Write us new price list.

GEO. A. KUHL, Pekin, Ill.

Please mention the American Florist when writing.

A Few Good Things You Want.

Cash with Order.

Dracaena Indivisa, 4 and 5-inch, $10.00 and $25.00 per 100.
Asparagus Plumosus, 2-in.. $3 00 per 100. 3-in.. $5.00 per 100.
Asparagus Sprengeri, 2-inch $2.50 per 100.
Geraniums, S. A. Nutt, John Doyle, Perkins, Poitevine and Double Gen. Grant, La Favorite 2 in. pots. $2 00. Rooted cuttings $1.00 per 100.
Rex Begonia, nice plants 2 and 2½-inch. $5.00 per 100.
Boston Ferns, 5-inch. 30c each.
Pierson Ferns, 5-inch. 50c each.
Vinca Var., 2 in $2 00 per 100
Primula Obconica, 2-in.. $2.00 per 100
Gladiolus, blooming buds extra fine mixture to close out while they last. 60c per 100; $5.00 per 1000.

GEO. M. EMMANS, NEWTON, N. J.

Please mention the American Florist when writing.

CYCLAMEN, LARGE FLOWERING for CHRISTMAS BLOOMING

5-inch, $15.00 per 100; 4-inch, $10.00 per 100; 3-inch $5.00 per 100, 300 for $10.00.
Primroses, Chinese and Obconica, well budded for Christmas blooming, 4-inch $6 00 per 100; 3-inch, $3.00 per 100. **Asparagus Plumosus nanus,** 3½-inch, $6.00 per 100. **Cinerarias,** 3-inch, $3.00 per 100.

HILL TOP GREENHOUSES,
15-16 Gray Ave., UTICA, N. Y.

Please mention the American Florist when writing

Roses! Dahlias! Cannas! Violets!

Miscellaneous Plants!

ROSES. We have in stock upwards of 1000 different varieties, consisting of the very latest European varieties as well as all the leading varieties of American origin. Stock from 2½, 4 and 5-inch pots, all on own roots. Ask for catalogue.

DAHLIAS. 25 leading varieties, all under name, guaranteed true, including the best sorts in cultivation, such as Admiral Dewey, Constancy, Gloriosa, Orange King, Prof. Baldwin, Maid of Kent C. W. Bruton and Uncertainty. Field clumps as dug, **$5.00** per 100; **$45.00** per 1000. Catherine Duer, field clumps **$8.00** per 100.

CANNAS. 40 leading varieties, **$10.00** per 1000 and upwards. Write for list and prices.

VIOLETS. Lady Hume Campbell, Princess of Wales, Swanley White, Admiral Avellan and Luxonne; nice strong plants, from 2½-inch pots, **$3.50** per 100; **$30.00** per 1000.

MISCELLANEOUS PLANTS.

Ampelopsis Veitchi, nice, strong, 2-year-old, field-grown plants, per 100, $6.00; per 1000, $55 00
Clematis Paniculata, 2-year-old, field-grown stock strong plants, per 100, 7.00; per 1000, 65.00
Cissus Discolor, nice plants, from 2½ inch pots.....per 100, $4 00
Cyperus Gracilis, from 2½-inch pots.....per 100, 3.50
Asparagus Sprengeri, from 2½-inch pots.....per 100, 4 00
Asparagus Plumosus, from 2½-inch pots.....per 100, 4.00
Weeping Lantana, from 2½-inch pots.....per 100, 3.50
Viburnum Plicatum, and a complete list of hardy shrubs, vines and miscellaneous plants of all kinds. Send us your list for prices. Ask for catalogue—it's free.

Address **DINGEE & CONARD CO.,** Rose Growers,
WEST GROVE, PA.
ESTABLISHED 1850. **70 GREENHOUSES.**

Baby Rambler Roses

We have a fine lot, and offer strong, dormant plants of our own growing.

	Doz.	100	1000
1st size, selected, 2 years old	$3 00	$25.00	$200.00
1st size, selected, 1 year old	2.00	15.00	120.00
2nd size, selected, 2 years old	2.50	20.00	150.00

Also have a large stock of pot grown plants.

	Doz.	100
4-in. pots	$3 00	$20.00
5 in. pots	5.00	40.00
6-in pots	6.00	50.00

NEW ROSE ETOILE DE FRANCE. The best red rose for pot sales, 1-year old dormant plants per doz., $2.00; per 100, $15.00. **Send for our special list of Palms, Ferns and Decorative Plants.**

VAUGHAN'S SEED STORE, 84-86 Randolph St., CHICAGO. 14 Barclay St., NEW YORK.
Greenhouses and Nurseries, Western Springs, Ill.

For Best Results advertisers should mail new advertisements so as to reach us Monday.

Buffalo.

CARNATIONS SCARCE.

Trade for Thanksgiving was about as good as could be desired and an increase over last year. Stock was equal to all demands with the exception of carnations which are not in very great supply at present. Chrysanthemums were plentiful and good. But since Thursday the autumn flower is almost classed with the past. Violets, American Beauty and other roses are good. Harrisii lilies are coming in daily and of very good quality. The weather is cool and everything indicates a snow storm, which, if it comes good, will enliven things for the holidays.

NOTES.

More honors have come to W. F. Kasting; he is now president of the Buffalo German hospital association, and it is safe to say that things will hum under his administration.

Receptions and banquets last week, together with the college boys' and girls' dinner kept the florists busy on the days preceding Thanksgiving.

Joseph Sangster who has been in Paterson, N. J., the past two years is again at Anderson's and greeting the customers as of old.

S. S. Pennock of Philadelphia, and C. H. Roney of Jamestown, N. Y., were recent callers.

S. A. Anderson has a fine lot of begonia plants that will be just right for Christmas.

J. H. Rebstock has started the improvements at his Elmwood avenue place.

BISON.

FOR SALE—'MUMS.

Morton F. Plant, stock plants. $2.00 per doz. Strong plants. in 2½-in. pots. $5.00 per 100.

W. H. LE GIERSE, 4653 Lancaster Ave. PHILADELPHIA.

CARNATION IMPERIAL

Variegated seedling, pink shade similar to Enchantress, and a deeper pink. Flowers 3-4 inches, strong calyx, good stems, early, free and a continuous bloomer.

PINK IMPERIAL.

A sport of Imperial, of a pleasing pink shade that has long been wanted.

My own origination. To be disseminated in 1907. Place your order at once.

PRICES. — Selected cuttings, delivery commencing in December, 1906. **$2.50** per dozen; **$12** per 100; **$100** per 1000; 50 at 100 rates; 250 at 1000 rates. 5 per cent discount for cash with the order.

JOHN E. HAINES, Bethlehem, Pa.

Please mention the American Florist when writing

Stock Chrysanthemums

Wm. Simpson, Polly Rose, Glory of Pacific, Ivory, white and pink, Major Bonnaffon, Robt Halliday, Maud Dean, Adelia Viviand Morel, Lavender Queen, Yellow Jones, Queen, Silver Wedding, Geo. W. Childs, Dr. Enguehard and Alma (Pink Pompon), 75c per dozen; $5.00 per 100.

Asparagus Sprengeri, extra strong, 3-in.		$ 5.00 per 100
Dracaena Indivisa, strong	3 in	6.00 per 100
" " "	4-in	12.00 per 100
" " "	6-in	.50 each
Neph. Bostoniensis, strong	6-in. pots	.50 each
Scottii, strong	5-in. pots	.35 each
" " "	6-in. pans	.50 each
" " "	8 in. pans	1.00 each

All pot grown and good value.

JOHN WALKER, Youngstown, Ohio.

CARNATIONS ROOTED CUTTINGS.

	Per 100	Per 1000
Victory	$6.00	$50.00
Enchantress	2.00	18.00
Lawson (white)	3.00	25.00
Lady Bountiful	3.00	25.00
Boston Market	$1.50	$12.50
Mrs. E. A. Nelson	2.00	15.00
Lawson (pink)	1.50	12.50

Chrysanthemum Stock Plants.

White: Willowbrook, Kalb, Estelle, Wanamaker, Ivory Robinson. **Yellow:** Appleton, Bonnaffon Halliday. **Pink:** Coombes, McNeice, Enguehard. **60c** per doz.: **$4.00** per 100.

Asparagus Plumosus Nanus, 3 in., $5.00 per 100. **Asparagus Sprengeri,** 2½-in., $2.50 per 100.

E. T. WANZER, Wheaton, Ill

LUDVIG MOSBAEK, Onarga, Ill.

Asparagus **Plumosus Nanus** and **Sprengeri,** 4-inch, $8.00; 3-inch, $5.00; 2¼-inch, $2.50; 2-inch, $2.00 per 100.

Ferns **Boston, Piersoni, Anna Foster** and **Sword,** 2¼-inch and 3-inch, $3.00 and $6.00 per 100. 6-in., $4.00; 8-in., $12.00; 10-in., $25.00 per dozen.

150,000 Cannas, 35 standard, leading var., true to name. Descriptive list and prices mailed free. Send list for special quotations.

50,000 Hardy Perennial Herbaceous Plants, field and pot grown. Write for list.

500,000 VERBENAS

60 Finest Named Varieties.

Rooted Cuttings, 75c per 100; $6.00 per 1000
Plants, $2.50 per 100; $20.00 per 1000.

Our list is the choice from millions of seedlings. Order early.

The floral and plant business of the late Mr. J. L. Dillon will be continued under his name by his executors.

LOUISE H. DILLON, ALICE D. FURMAN } Executors.

J. L. DILLON, Bloomsburg, Pa.

Please mention the American Florist when writing

Poehlmann Bros. Company
MORTON GROVE, ILL.
STOCK 'MUM PLANTS.

WHITE—Kalb, Alice Byron, Robinson, Adelia, White Bonnaffon, Crawford, Timothy Eaton, Chadwick, Merry Christmas, Willowbrook, Wanamaker.
YELLOW—Col. Appleton, Halliday, Yellow Eaton, Major Bonnaffon, Whilldin, Reiman, Merstham Yellow, Sunshine.
PINK—McNiece, Perrin, Enguehard, Maud Dean, Pink Ivory.
RED—Intensity.

$6.00 per 100; **75c** per dozen, for limited time. This stock will have to be moved to make room.

ORDER AS SOON AS POSSIBLE.

Please mention the American Florist when writing.

Queen Beatrice Rose.

Four to one shot. Four times as many flowers as Maid.

F. H. KRAMER, 916 F St., WASHINGTON, D. C

Please mention the American Florist when writing

CHRYSANTHEMUMS.

C. Touset and Nonin, the money makers as we have found them. 75c per doz.; $5.00 per 100; Pacific, Estelle, Willowbrook, Halliday, Kalb and Lady Harriet, 60c per doz.; $4.00 per 100. Cash with order.

EGGELING FLORAL COMPANY,
1653 S. Grand Avenue, ST. LOUIS, MO.

SUPERB
BOXWOODS.
Just Arrived. Perfectly Shaped.

Bushes for Window Boxes, from top of root ball, 12 to 20 inches high		$0.75 a pair
24 inches high		1.00 a pair
Pyramids, 3 ft. high		$2.00 and $3.00 a pair
" 4 ft. high		3.00 and 4.00 a pair
" 4 ft. 6 in. high		5.00 a pair
" 5 ft. high		7.00 a pair

Grafted Baby Ramblers on Manetti; nice bushy plants in 3½ and 4-in. pots, ready for early forcing, $15.00 per 100.

ANTON SCHULTHEIS,
9th St. and 4th Ave., **College Point, L. I., N. Y.**

Please mention the American Florist when writing

WE ARE BOOKING ORDERS FOR

Nephrolepis Amerpohli

The Sensational New Fern.
Awarded Highest Certificate of Merit at the S. A. F. Convention, 1906.

JANESVILLE FLORAL CO., Janesville, Wis.

Please mention the American Florist when writing.

ASPARAGUS PLUMOSUS

Exceptionally fine stock from 3-in. pots, $5.00 per 100.

ASPARAGUS SPRENGERI, from 3½-in. pots $6.00 per 100.

Write for price on large lots.

SCHARFF BROS., Van Wert, Ohio

Begonia Gloire de Lorraine.

4-inch	per doz., $5.00
3-inch	per doz., 3.00

Fine stock, all in bloom

Boston Ferns, 8-in. pans, $1.50 each; per doz., $15.00
" 6-in. pans, 50c each

A. JABLONSKY, Wellston, Mo.

"VICTORY"

The best scarlet carnation ever introduced to the trade. It has given universal satisfaction everywhere. We have them in quantity December 1 or later, delivery. **$6.00** per 100; **$50.00** per 1000.

JENSEN & DEKEMA,
674 W. Foster Ave., CHICAGO.

One of the Finest Gifts for the Holidays is a Beautiful Plant.

FINE, WELL-GROWN PLANTS OF OUR

Tarrytown Fern

(NEPHROLEPIS PIERSONI ELEGANTISSIMA)

Makes one of the finest plants for a holiday gift that we know of. We sell large quantities of these at retail among our local customers, and there is nothing more profitable or satisfactory for Christmas sales than a few of these nice plants.

We can offer fine selected specimens in all sizes, from medium sized plants in 6-inch pans up to immense elegant specimens in 16-inch pans, suiting all purses and all classes of trade. Order early and have the stock on hand where you can show it. You will find nothing more satisfactory or profitable. We can supply fine plants as follows:

Fine plants, 6-inch pans, 75c and $1.00 each, according to size. Fine specimen plants, 8-inch pans, $1.50 and $2.00 each, according to size. Very fine specimen plants, 10-inch pans, $3.00 each. Large specimens, 12-inch pans, $5.00 each. Extra large specimens, 14-inch pans, $7.50 each. Still larger specimens, 16-inch pans, $10.00 each. Also young stock for growing on, $12.00 per 100.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York.

CHRYSANTHEMUM NOVELTIES.

This Year I Have to Offer Among Many Others:

IN WHITES

WHITE SPORT of Wm. Duckham, winner of the $50.00 Frick Prize at Chicago.
MRS. A. T. MILLER, a lovely white, Certificate, C. S. A.
MONEYMAKER, a white with a commercial future.

IN YELLOWS

ROSE LAWRENCE, MARY GODFREY, BUTTERCUP.

IN PINKS

MISS MIRIAM HANKEY, one of the most beautiful things I have ever handled. Also
MRS. HENRY BARNES, and many others.

My New List Will Be Ready December 1. SEND FOR IT.

CHARLES H. TOTTY, Madison, N. J.

Indianapolis.

THANKSGIVING TRADE.

The best that can be said of Thanksgiving trade is, that it was about as good as last year, but in several instances, it was even less. Violets fell away behind other years and chrysanthemums better than any other cut flower. "The people were trying to get the biggest show for the least money," is what one grumbling retailer had to say.

NOTES.

A. Wiegand & Son had a very attractive window decoration representing early Thanksgiving evening, with the moon rising over an old time rail fence, which inclosed a pen of turkeys and other domestic fowls just going to roost, unaware of the fate that awaits the choicest of them. The scene was unusually realistic and attracted a good deal of attention.

Sparks from Martin Nelson's smokestack set his shed roof on fire the other night, and Martin had a lively time saving his buildings; Sidney Smith came to his assistance, establishing a new record in covering the distance between his own and Nelson's place.

The east market hall is likely to be torn down to make room for the new city hall; the occupants, including the florists, have to be ready to vacate on a 30-days notice. Many are in fear that this change will be detrimental to business.

Carl Sonnenschmidt, of Smith & Young Co., visited St. Louis. He was much pleased at the way his tea roses sell in that city.

Irvin Bertermann has sold his residence on E. Washington street.

Visitors: W. W. Coles of Kokomo, Ind., James McHutchison of New York, and Miss Cossairt of Shelbyville.

J.

GENEVA, N. Y.—The annual display of chrysanthemums at the state experimental station opened November 12. W. J. Kitney the gardener has a finer show this year than ever, the chrysanthemum having received special attention from the horticultural department.

ZION CITY, ILL.—Chas. Uhlik reports very poor business at Thanksgiving, only $10 having been taken in two days. This florist has purchased the stock and leased the greenhouse of the Zion City horticultural department.

Last Call for Chrysanthemums

Clementine Touset Jeanne Nonin. Monrovia, white and pink Pacific, white and yellow Bonnaffon, white and yellow Eaton, Mrs. Weeks, Viviand Morel J. K. Shaw, Alice Byron, Dr. Galloway, Ben Wells, Dr. Enguehard, Col Appleton, Yanoma, Chadwick, etc., **$1.00** per doz.; **$8.00** per 100. Cash with order.

GUNNAR TEILMANN, Marion, Ind.

LARGE CLUMPS

Chrysanthemum Stock

For one week only at $1.00 per doz.

Timothy Eaton, Yellow Eaton, Golden Wedding, Yanoma, late white, Yellow and White Jones, Marie Liger, pink; Wm. Duckham, pink; Pink Ivory, Percy Plumeridge.

FREY & FREY, Lincoln, Neb.

White Enchantress Carnation

White Sport of Enchantress.

ROOTED CUTTINGS—$12 per 100; $100 per 1000.

E. SCHRADER,

NEW SPRINGVILLE, Richmond Borough. New York

The Best Way to Collect an Account

is to place it with the

NATIONAL FLORISTS' BOARD OF TRADE, 56 Pine St., New York.

Why? Because many debtors will pay the Board, fearing otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.

ABUNDANCE

Rooted Cuttings of this Most Prolific White Carnation

Will be ready for delivery in January.

Price: $5.00 per 100; $40.00 per 1000. 250 at 1000 rate.

5 per cent discount for cash with order.

RUDOLPH FISCHER

Great Neck, L. I., N. Y.

THE NEW

Cyclopedia of American Horticulture.

BY PROFESSOR LIBERTY H. BAILEY.

Over 4,357 articles in all by 450 expert writers, including practically all the best botanists, nurserymen, seedsmen, florists, market gardeners and experimental station horticulturists. Occupying 2,100 pages and covering 24,434 plant names, 2,800 detailed illustrations, enormously increasing the ease of identification, and 146 beautiful full page illustrations.

Every reader of this paper who is interested in farming, in gardening, in trees, in shrubs, and all out of door matters, absolutely needs this set. It takes the place of all others combined on American gardening.

In Six Great Quarto Volumes of 2,100 Pages You Find:

Descriptions alphabetically arranged of all—over a thousand—of the native trees, plants and flowers worth cultivating, with keys enabling you to name any species, as well as to find all information regarding it. Practical articles by leading experts of the country on all phases of commercial plant production and greenhouse management—cut flowers, vegetables, etc.

Fullest cultural instructions for every flower, fruit and vegetable, tree and ornamental plant you may wish to grow.

SPECIAL OFFER.

The regular price is ***$30.00.*** For a few weeks we are able to offer this new and revised edition with the new material added at ***$22.80*** cash. This offer will be withdrawn January 1, and the price increased.

American Florist Company,

324 Dearborn Street, CHICAGO.

Palms, Ferns, Etc.

WHOLESALE PRICE LIST.

	In.	Doz.	100
Asparagus Plumosus	2		$3.00
" "	3		6.00
Asparagus Sprengeri	2		3.00
" "	3		6.00
" "	4	1.50	
" "	5	2.00	

Aspidium Tensemense, 3-in., $1.00 per doz.; $8.00 per 100.
Boston Ferns, 5-in. pots, $3.00 per doz.; 6-in. pots, strong, $6.00 per doz.; 7-in. pots, $9.00 per doz. Larger specimens, $1.50, $2.00 and $3.00 each.
Pteris Argyrea, 3 in., $1.00 per doz.; $8.00 per 100.
Pteris Wimsetti, 3-in., 75c per doz.; $6.00 per 100.

ASSORTED FERNS FOR DISHES

$3.00 per 100; $25.00 per 1000. We have a large lot to offer in best varieties.

Cibotium Schiedei, 5-in., $9.00 per doz.; 6-in., $12.00 per doz.
Dracaena Fragrans, 5-inch pots, 50c each; $5.00 per doz. 6-in. pots, 75c each; $9.00 per doz.; 7-in., $1.00 each; $12.00 per doz.
Dracaena Indivisa. 2-inch pots, $2.50 per 100; 6-inch pots, 20 to 26 inches high, 50c each; $5.00 per doz.; 7-inch pots, 30 to 34 inches high, 75c each; $9.00 per doz.
Dracaena Terminalis, nicely colored, 2-in., $1.25 per doz.; 3-in., $2.00 pet doz.; 6-in., $9.00 per doz.
Maranta Lietzii, 2¼-in., $1.00 per doz.

Pandanus Utiles,	3-in. per doz.,	$1.50
" "	4-in. per doz.,	3.00
" "	5-in. per doz.,	5.00
Cocos, for dishes.	2-in. per doz.,	2.00

Cocos Bonetti, large specimens, $40.00 each.

	In.	Each	Doz.
Kentia Belmoreana	3		$ 2.00
Kentia Forsteriana	7	2 00	24.00
" "	7 x	2.50	
" "	7 xx	3.00	

Latania Borbonica, 3-in. $1 50 per doz.; 3½-in., $2.00; 4-in., $3.00; 5-in., $5.00 and 7-in., $12.00 per doz.
Phoenix Canariensis, 2-in. per doz., 1.00
" " fine bushy plants. 10-in. $2.50 and $3.00 each. Large specimens.
Phoenix Reclinata, 3½-in. per doz., $2.00
" " 4-in. per doz., 3.00
Aucuba Japonica, 10-in. pots, 3 ft. high, $1.50 each.
Rhododendrons, 50c and 75c each.
Boxwoods, Pyramids, in tubs, 3 ft., $4.00 each; 4 ft., $5.00 each.
Boxwoods, Bush Form in tubs. 4 ft., $5.00 each, 1 ft. high, 35c each; $4.20 per doz.; 1½ ft. high., 50c each.

HARDY PERENNIALS.

German Iris, assorted colors, $1.00 to $5.00 per 100 clumps.
Golden Glow (Rudbeckia), $1.00 to $5.00 per 100 clumps.
Boltonia, white and pink, $1.00 to $5.00 per 100 clumps.

The Geo. Wittbold Co.

1657 BUCKINGHAM PLACE. CHICAGO.

75c per doz.; $5.00 per 100.

'MUM STOCK PLANTS.

125 Appleton, 100 Wm. Duckham, 100 Glory of the Pacific, 50 Chito, 50 Intensity, 50 L. Carrington. Cash.

F. WALKER & CO.,

R. R. No. 1. NEW ALBANY, IND.

CHRYSANTHEMUMS. Extra Fine Stock Plants

Robinson, Weeks, T. Eaton, Col. D. Appleton, Goldmine, Dr. Enguehard, Wm. Duckham, Touset, Maud Dean, Casco, 75c per dozen.

TIPTON GREENHOUSES, Tipton, Iowa.

Rooted Cuttings Per 100, prepaid: Ageratum Gurney and Pauline, 60c; Heliotrope, blue, 75c; Verbena, mixed, 60c; Salvia Bonfire, 45c; Coleus, asst., 60c; Vinca varieg., 90c. Cash.

SHIPPENSBURG FLORAL CO., Shippensburg, Pa.

Advertisers send copy early for best service...

WATCH ☛ PROSPERITY ☚ LOOK

Prepare for Christmas.

PRICES SLAUGHTERED ONE-HALF THE NORMAL.

☞ **THIS IS OUR LAST SLAUGHTER.** ☜

Is it possible to sell an Araucaria Excelsa, 4 years old, 18 to 23 inches high, 5 to 6 tiers for 75c? YES! Aschmann can do it. Read explanation below.

Prices **never** offered so low in the history of Araucaria cultivation. Why is that? For the simple reason, to obtain room to cultivate our great Easter stock. About 5,000 Araucarias, with an immense lot of Palms, Ferns, Azaleas, Rubbers, Begonia Gloire de Lorraine, etc., must be sold by Christmas.

☞ Please take notice. In all the Araucarias only spring importations are offered: raised in pots all summer, and can be shipped any distance safely without drooping

ARAUCARIA EXCELSA

There is no home complete without an Araucaria 5½ to 6-in. pots, 18 to 23 in. high, 5 to 6 tiers, years old, 75c; 6-in. pots, 23to 25 in. high, 5, 6 to 7 tiers, 4 years old, $1 00; 6 to 7 in. pots, 25 to 30 in high, 5, 6 to 7 tiers, 4 years old, $1.25; 7-in. pots, specimen plants, from $1.50, $1.75 to $2.00 each.

ARAUCARIA COMPACTA ROBUSTA—have several thousand of them; can supply all wants. These plants were never so fine in shape and condition as this year. The pet of the greenhouse; as broad as long. 6-in. pots, 3 tiers, 12 to 14 and 16 to 18 in. high, same wide, 3 years old, $1.00 to $1.25 each; 6 to 7 in. pots, 4 to 5 tiers, 18 to 20 and 22 to 25 in. high, same wide, 4 years old, $1 50 to $1.75 each; 7-in. pots, specimen, 6 to 7 tiers, and 25 to 30 in. high, same wide, 5 years old, $2.00 to $2.50 each.

ARAUCARIA EXCELSA GLAUCA—this variety on account of its beautiful green-bluish tiers, dwarf habit, fine compact shape gives it a striking appearance, and anybody seeing the plants must undoubtedly fall in love with them at sight. 6-in. pots, 3 tiers, 14 to 16 and 18 to 20 in. high, same wide, 3 years old, $1.00 to $1.25 each; 6 to 7 in. pots, 4 to 5 tiers, 20 to 25 and 25 to 30 in. high, same wide, 4 years old, $1.50 to $1.75 each; 7 in. pots, specimen, 5 tiers, 30 to 35 in. high, same wide, 5 years old, $2.00 to $2.50 each.

All these plants are as broad as long; the finest you have ever seen.

Aschmann's Ever-Prosperous Greenhouses Now Great Slaughter Houses.

HAVE NO MERCY, DOWN GO THE PRICES.

NO SCARCITY OF KENTIA PALMS.

Can meet all wants cheaper than ever.

KENTIA FORSTERIANA, 7-in. pots, made-up plants, 1 large size, about 45 to 48 in. high in the center, and 3 smaller sizes 25 x 30 in. high around, which gives them a good appearance, $2.00 to $2.50 each; 6-in. pots, single plants, 36 to 45 in. high, 5 to 6 good leaves, 4 years old, $1.25, $1.50 to $1.75 each; 6-in. pots, 32 to 36 in. high, 5 to 6 good leaves, 4 years old, $1.00 each; 5½ to 6 in. pots, 4 years old, 30 in. high, 5 good leaves, 4 years old, 75c; 4-in. pots made-up plants, 3 plants in a pot, 18, 20 to 25 in. high, 25c, 30c to 35c each.

ARECA LUTESCENS, 5-in. pots, 24 in. high, made-up with 3 plants, 35c; 4-in. pots, 20 to 24 in high, made-up with 3 plants, 25c.

ARECA SAPIDA, just imported from Belgium, something new, very attractive, looks like Kentia, 25 in. high, 50c.

COCOS WEDDELLIANA, 15c.
ASPARAGUS PLUMOSUS NANUS, 4-in. pots, large bushy, 10c to 12c
ASPARAGUS SPRENGERI, 4-in., 10c.
FICUS ELASTICA, or **Rubber Plant,** 6 in. pots, 25 to 30 in. high, 40c to 50c each.

FERNS, all raised in pots and not on benches as follows:

NEPHROLEPIS BARROWSII, 7 in. pots, as big as a bushel basket, 75c to $1 00 each; 6-in. pots, large, ready for 7-in., 50c; 5½-in., 40c; 5-in., 35c; 4-in., 25c.

NEPHROLEPIS SCOTTII, 8-in., as big as a washtub, worth $3.00, now $1.50; 7-in., as big as a bushel basket, worth $1.50, now 75c to $1.00; 6-in., 50c; 5¼-in., 40c; 5-in., 30c to 35c; 4-in., 20c to 25c.

NEPHROLEPIS ELEGANTISSIMA, 5-in. pots, 30c.

BOSTON FERNS, 7-in., very bushy, only 75c; 6-in., 50c or $5.00 per doz.; 5-in., 30c to 35c; 4-in., 20c

FERNS—A fine assortment of Ferns for dishes, large, bushy, out of 2½-inch pots, $5.00 per 100

JERUSALEM CHERRIES, (or Solanum), 6 to 7 in. pots very bushy, full of berries, from $3.00 to $6.00 per doz.

DRACAENA BRUANTI, (imported), 30 in. high, full of green, waxy foliage from top to bottom; the only Dracaena for parlor, store or house culture, that can stand heat, dust and dirt; 6-in. pots, 50c, $5.00 per doz.

CYCLAMEN, will bloom for Christmas, 4-in. pots, 12c.

CHINESE PRIMROSES, 5¼-in. pots, very strong, in bloom and buds, $2.00 per doz.

HYDRANGEA OTAKSA, only pot-grown is offered, sure success for Easter forcing, 6-in. pots, 25c; 7 to 8-in., 50c.

AZALEA INDICA for Christmas, **all ready forced** in bud and bloom, Deutsche Perle, double white; Simon Mardner, double pink; Vervæneana, double rose variegated, flowers very large. Prices: 50c, 75c, $1.00, $1 25 to $1.50, cash. In the small sizes mostly white. Some white must be taken with colored. Azaleas for Easter forcing in the best American varieties, pink, white or variegated; 35c, 40c, 50c, 75c, $1.00, $1.25 to $1.50, cash.

BEGONIA GLOIRE DE LORRAINE, 6-in-pots, in bloom and bud, for now and Christmas, 50c to 75c each.

BEGONIA FLAMBEAU, sells on sight, 4-in., ready for a shift into 6-in., 20c.

BEGONIA ERFORDII. New Improved, 4-in., 20c; 5¼-in., 25c.

All plants must travel on **purchaser's risk only.** CASH WITH ORDER.

When ordering, say whether the plants should be shipped in the pots or not.

GODFREY ASCHMANN,

IMPORTER AND WHOLESALE GROWER OF POT PLANTS.

1012 Ontario Street, - - PHILADELPHIA, PA.

Cleveland, O.

INCREASED THANKSGIVING BUSINESS.

The reports on Thanksgiving day trade from the different stores, proves that most all were more than pleased with the increased trade. There seemed to be plenty of stock in all lines with the exception of fancy chrysanthemums which were all cleaned up early in the day. One notable occurrence was the lack of demand for violets; both single and double went very slowly, which is hard to understand when one considers that the weather was bright and clear.

NOTES.

A visit to the greenhouses of Chas. Bartells, who has leased the Essex place at North Olmstead, revealed everything in fine shape. Carnations are grown here for quality and Mr. Bartells may well be proud of the fine appearance of his whole place. Lawson is the principal carnation grown; pink, white and red varieties all give promise of a large cut for the holidays. A house of Crane which was in full crop for Thanksgiving was surely a picture to be remembered. A house of White Cloud and another of Boston Market are also very fine.

Smith & Fetter's window display for Thanksgiving was greatly admired by the flower-loving public. The fret work was draped with old gold velvet trimmed with artificial autumn leaves and the foreground, in fruits and vegetables, trimmed with novelties in flowers.

Peter Nichols, the Arcade florist, reports Thanksgiving trade as almost double that of last year, he having handled about 10,000 carnations, the same amount of violets and quantities of chrysanthemums and other stock.

At A. M. Coe's place stock is in first-class shape. Carnations, especially give promise of a good season's cut. H. A. Hammond, formerly of the Essex place, is now with Mr. Coe.

The Cleveland Cut Flower Co. has been receiving a fine cut of chrysanthemums from Wooster, Ohio.

J. M. Gasser has returned to this city from Cincinnati, having been brought back by relatives. OHIO.

DOBBS' FERRY, N. Y.—The sixth annual show of the local gardeners' association was held November 10, $300 being the amount realized thereby for the hospital. An exceptionally fine display was made by prominent amateur gardeners and the Ward Co., of Queens, L. I. Scott Bros., Elmsford, and the F. R. Pierson Co., of Tarrytown, N. Y., also exhibited.

THE ART OF

Floral..... Arrangement.

The first special newspaper in the world for floral arrangement.

250 ILLUSTRATIONS ANNUALLY.

Specimen number free.
Subscription, $2.40 yearly.

BINDEKUNST-VERLAG,
J. Olbertz. ERFURT, GERMANY.

GERANIUMS 2½in. Pots, Ready for Immediate Delivery

Alliance, Lemoine 1905. Hybrid, Ivy and Zonal, semi-double, lilac white, upper petals feathered and blotched crimson maroon, 25c each; $2.00 per doz.

Fleuve Blanc, the semi-double Bruant that promises to become the standard white, flowers and foliage equal to Alph. Riccard, $1.50 per doz.; $10.00 per 100.

Double Dryden, $1.00 per doz.; $5.00 per 100.

Cactus Geraniums, four varieties, petals curled and twisted similar to the Cactus Dahlia, $2.00 per doz.; $15.00 per 100.

S. A. Nutt, La Pilote, Beaute Poitevine, Mme. Barney, Centaur, Miss Kendall, Mme. Jaulin, Jean Viaud, Mme. Charotte, 40c per doz.; $2.00 per 100; $18.00 per 100.

Ville Poitiers, Marquise de Castellane, Berthe de Persilly, M. Jolly de Bammeville Thos. Meehan, 50c per doz.; $3.00 per 100; $25.00 per 1000.

Send for Geranium Catalogue. Let us figure on your future supply

	Per 100	1000
Alternanthera, red and yellow	$2.00	15.00
Hardy English Ivy	2.00	15.00
Smilax	2.00	15.00

A cordial invitation is extended to all interested in horticulture to visit us. Cowenton station, Philadelphia division, B. & O. R. R., 12 miles north of Baltimore.

R. VINCENT, JR. & SON, White Marsh, Md.

Please mention the American Florist when writing.

Directory of Gardeners
—AND—
Estates Employing Gardeners
—IN THE—
UNITED STATES and CANADA.

Price $5, Cash With Order.

AMERICAN FLORIST CO. 324 DEARBORN ST., ...CHICAGO.

BEST ENGRAVINGS and ILLUSTRATIONS
—Of Every Description—
FOR CATALOGUES.
SEE OUR WORK IN THIS PAPER. SEND FOR ESTIMATES.
GLOBE ENGRAVING and ELECTROTYPE CO.
407-427 Dearborn St., CHICAGO.

BERTHA RATH
CARNATION.
FERNS, PALMS,
ARAUCARIA EXCEL.,
ASPIDISTRA,
Green and Variegated.
BAY TREES and PRIVET,
Fine, Strong Stock.
R. DREYER, WOODSIDE, L. I., N. Y.

SPECIALTIES.
ROSES, from 3-inch pots. CHRYSANTHEMUMS.
CARNATIONS, for fall delivery. SMILAX. VIOLETS.
IN BEST VARIETIES.
Prices low. Send for list.
WOOD BROTHERS, Fishkill, N. Y.

GOV. HERRICK THE COMING VIOLET
One that produces three times as many flowers as any violet ever offered for sale. It will please you. Order at once. Prices: $2.00 per doz.; $10.00 per 100; $75.00 per 1000; 5,000 or more at $60.00 per 1000. Send for description today.
H. R. CARLTON, Willoughby, O.
INTRODUCER and ORIGINATOR.

MABELLE, New Pink Carnation for 1907
Color—A peculiar shade of lovely pink, with a faint yellowish cast; several shades lighter than the Lawson. Unlike most pinks, the brightest sun does not injure the color. Size—3 to 4 inches in diameter when established. Odor—Pleasing, but not strong. Stems—Invariably strong, but always graceful, ranging from 12 to 30 inches during the season. Habit, etc.—A very quick, active grower, making specimen plants in a short time, even from late cuttings. On account of its rapid growth, requires supporting very soon after benching. Gets away rapidly, blooms early and gives long stems right from the start. Productiveness—Prodigious is the best word we know of to use here. It is the most incessant bloomer, early and late, we have ever grown. Stock limited. Delivery January 5 to 10 and later. Price, $12.00 per 100, $100.00 per 1000.
THE H. WEBER & SONS CO., Oakland, Md.
Please mention the American Florist when writing.

Now is the Time
to Subscribe to the
Horticultural Trade Journal
Published weekly. The Largest Brightest, and Best British Trade Publication. Also
THE INTERNATIONAL EDITION
Published quarterly. Annual subscription for weekly and quarterly numbers, One dollar, (International money order). Subscribe to-day and keep in touch with European markets and topics.
THE HORTICULTURAL PRINTING COMPANY
BURNLEY, ENGLAND.

Le Journal des Roses.

Organ of the French Rosarians.

Published at Paris. Once a month with colored plates.

Subscription $2.70 per Year. Sample Copies Free.

ADMINISTRATION DU SUISNES **JOURNAL DES ROSES**

a SUISNES, Brie

a Grisy-Suisnes. (Seine et M FRANCE.

Please mention the American Florist when writing

DAHLIAS.

Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring

DAVID HERBERT & SON,

Successors to L. K. Peacock, Inc., **ATCO, N. J.**

Please mention the American Florist when writing.

CHRYSANTHEMUM

STOCK PLANTS.

Touset and Nonin, $1.00 per doz.
Lavender Queen, yellow and white Eaton, Liger, Shaw and Monrovia, 75c per doz.
Will exchange for Kalb Pink Ivory and A. Byron.

W. W. COLES, Kokomo, Ind.

Please mention the American Florist when writing.

ROOTED CUTTINGS.

Geraniums and Carnations

Send a list of what you want and how many of each variety, and I will be pleased to quote figures on your complete order.

ALBERT M. HERR. Lancaster, Pa.

Please mention the American Florist when writing

PRIMROSES.

Obconica Alba and Rosea, $1.50 per 100; $12.00 per 1000.

ASPARAGUS	Per 100
Plumosus Nanus, 2¼-in. pots, $18.00 per 1000	$2 00
PANSY PLANTS, large flowering, $3.00 per 1000; CASH	.50

JOS. H. CUNNINGHAM, Delaware, O.

Please mention the American Florist when writing

CHRYSANTHEMUMS

AND STOCK PLANTS.

	Per doz.		Per doz.
Rosiere, pink	$1.50	Omega	0 75
Emereter, "	1.00	C. Touset	1.00
Monrovia	.75	Bergman	.75
Merstham yellow	1.00	Willowbrook	.75

ELI CROSS, Grand Rapids, Mich.

Please mention the American Florist when writing.

LARGEST STOCK OF ALL

Belgian Plants.

AZALEAS, ARAUCARIAS, SWEET BAYS, PALMS, BEGONIAS, GLOXINIAS, ETC.

Louis Van Houtte Pere,

GHENT, BELGIUM.

ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the

"Horticultural Advertiser"

This is the British Trade Paper, being read weekly by all the Horticultural traders; it is also taken by over 1000 of the best continental houses. Annual subscription to cover cost of postage 75c; Money orders payable at Lowdham, Notts.

Address **Editors of "H. A."**

Chilwell Nurseries, LOWDHAM, Notts, England

Order Your Christmas Plants Now.

BEGONIA GLOIRE DE LORRAINE.

We have the stock that will please you.

AZALEAS IN BLOOM.

We will have a fine lot in full bloom for Xmas of Simon Mardner double red Deutsche Perle, double white, Vervaeneana, double variegated.

Inches in diameter.	Per doz.	Each
12 to 14	$12 00	$1 25
14 to 16	15 00	1 50
16 to 18	24 00	2 25
18 to 20		3 00
20 to 22		4 00

BEGONIA GLOIRE DE LORRAINE.

You cannot afford to be without this popular Christmas Flowering Plant. We have one large house of handsome plants grown especially for Christmas trade of the following sizes:

	Per doz.
5-inch pans, very bushy plants in bloom	$ 9 00
6-inch pans, very bushy plants in bloom	12 00
7-inch pans, very bushy plants in bloom	18 00

XMAS OR CELESTIAL PEPPERS.

One of the best Xmas plants. The plants are covered with bright colored, cone-shaped fruit.

	Per doz.	Per 100
5-inch pots, single plants	$3 00	$20 00
6-inch pans, 3 plants to a pan	5 00	35 00
7-inch pans, 4 plants to a pan	9 00	

POINSETTIAS.

Do not get left again, but secure stock now by placing your order for delivery any time before Xmas. We have two houses full of choice plants in various sizes with good foliage and large bracts.

	Each	Per doz.
6-inch pans, 3 plants in a pan, strong	$1 00	$10 00
7-inch pans, 3 plants in a pan	1 25	12 00
8-inch pans, 5 plants in a pan	2 00	24 00
10-inch pans, 6 plants in a pan	3 00	36 00

JERUSALEM CHERRIES.

Extra strong, bushy plants covered with bright berries; these plants will be extra fine for Christmas trade, 5-inch pots, bushy stock, each, 40c; per doz., $3.00. 6-inch pots, each, 50c; per doz., $5.00.

ORANGES.

We have a fine lot of plants in good shape for Christmas. Prices: $1.50 and $2.00 each, depending on the number of ripe fruit, 25c per fruit. Order early before all are sold.

DRACAENA TERMINALIS.

The popular red leaved plant for the holidays. We have a fine lot, all highly colored.

	Each	Per doz.
5-inch pots	$0 50	$ 5 00
6-inch pots	90	9 00
7-inch pans, 3 plants in a pan	1 50	18 00

ARAUCARIAS.

Large stock in the leading sizes and varieties for Christmas trade.	Each.
Excelsa, 6-inch pots, 5 whorls, 20 to 22 inches high	$1 50
Glauca, 6-inch pots, 3 to 4 whorls 14 to 15 inches high	1 25
" 6-inch pots, 4 whorls, 18 to 20 inches high	1 50
" 6-inch pots, 4 to 5 whorls, 22 to 24 inches high	2 00
" 7-inch pots, 4 to 5 whorls, 28 to 30 inches high	3 00
Robusta Compacta, 6-inch pots, 2 to 3 whorls, 12 to 14 inches high	1 50
" " 7-inch pots, 5 whorls, 28 to 30 inches high	3 00

PTERIS FERNS.

Large lot of bushy plants suitable for counter trade and filling hampers.

	Per doz.	Per 100.
Pteris Tremula, strong, 4-inch pot plants	$1 25	$10 00
" " strong, 5-inch pot plants	2 00	15 00
" **Wilsoni,** strong, 5-inch pot plants	3 00	20 00

Assorted Pteris Ferns, 2¼-inch pots, per 100 $3.00; per 1000, $25.00.

Large stock of **Boston, Elegantissima, Whitmani** and **Scottii Ferns** in all sizes. Send for price list.

All dormant stock now ready, such as **H. P. Roses, Crimson Ramblers, Hydrangea P. G., Lilacs, Rhododendrons, Azalea Mollis, Deutzias, Clematis, etc., etc.**

VAUGHAN'S SEED STORE,

84-86 Randolph St., CHICAGO. 14 Barclay St., NEW YORK.

Greenhouses and Nurseries: Western Springs, Ill.

Christmas Number December 13

SEND ADVERTISEMENTS NOW.

The Whilldin Pottery Co.

STANDARD FLOWER POTS

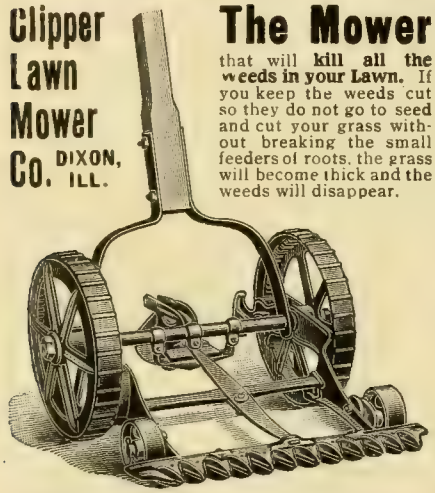
Our output of Flower Pots is larger than any concern in the World
Our Stock is always Large and Complete

Main Office and Factory,
713 WHARTON STREET, PHILADELPHIA
WAREHOUSES: JERSEY CITY, N. J. LONG ISLAND CITY, N. Y.

Clipper Lawn Mower Co. DIXON, ILL.

The Mower

that will **kill all the weeds in your Lawn.** If you keep the weeds cut so they do not go to seed and cut your grass without breaking the small feeders of roots, the grass will become thick and the weeds will disappear.



The Clipper will do it. Ask your dealer for them. If they have not got them, below is the price: No. 1—12-inch Mower $5; No. 2—15-inch Mower, $6; No. 3—18-inch Mower, $7; No. 4—21-in. Mower, $8. Send draft money-order or reg. letter.

THE BEST Bug Killer and Bloom Saver.

For **PROOF** Write to

P. R. PALETHORPE COMPANY,
LOUISVILLE, KY.

GEO. KELLER & SON,

MANUFACTURERS OF

FLOWER POTS.

Before buying write for prices.
361-363 Herndon Street, near Wrightwood Ave.,
CHICAGO, ILL.

Red Standard Flower Pots

Price list and samples on application.

PADUCAH POTTERY CO., Inc.
PADUCAH, KENTUCKY.

CUT FLOWER BOXES

EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

THE KELLER POTTERY COMPANY,

Manufacturers of **FLORISTS' RED STANDARD POTS.**

Azalea Pots, Bulb and Fern Pans, Etc.

Write for Price List. 213-15-17-19-21-23 Pearl St., NORRISTOWN, PA.

IONIA POTS.

STRONG POROUS DURABLE

In potting you will appreciate their smooth, well rounded edges. And this is but one of the many reasons why **IONIA POTS,** by superior merit alone have won a lasting place in the hearts of all our patrons. Remember us with your next order.

IONIA POTTERY COMPANY, Ionia, Mich.

Standard Flower Pots!

Packed in small crates, easy to handle.

	Price per crate		Price per crate
1500 2-in., in crate,	$4 88	120 7-in., in crate,	$4 20
1500 2¼ "	5.25	60 8 "	3.00
1500 2½ "	6.00	HAND MADE.	
1000 3 "	5.00	48 9-in., in crate,	$3.60
800 3½ "	5.80	48 10 "	4.80
500 4 "	4.50	24 11 "	3.60
320 5 "	4 51	24 12 "	4.80
144 6 "	3.16	12 14 "	4.80
		6 16 "	4.50

Seed pans, same price as pots. Send for price list Cylinders for Cut Flowers, Hanging Baskets, Lawn vases, etc. Ten per cent off for cash with order. Address

HILFINGER BROS. POTTERY, Fort Edward, N. Y
or AUGUST ROLKER & SONS, New York Agents,
31 Barclay Street, New York City.

Kramer's Pot Hangers

For Sale by Wholesale Seedsmen, Florists and Supply Dealers.

Price, $1.00 per dozen by express. Sample dozen by mail, $1.25.

I. N. Kramer & Son, CEDAR RAPIDS, IOWA.

L. BAUMANN & CO.,

Importers and Manufacturers of
Florists' Supplies

76-78 Wabash Ave., CHICAGO.

Write for our New Catalogue F. Our prices may interest you.

CUT FLOWER BOXES

WATERPROOF Corner Lock Style.

The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always.

Size No.		Per 100	Per 1000
0,	3x 4x20	$2.00	$19.00
1,	3x 4½x16	1.90	17.50
2,	3x 6x18	2.00	19.00
3,	4x 8x18	2.50	23.00
4,	3x 5x24	2.75	26.00
5,	4x 8x22	3.00	28.50
6,	4x 8x28	3.75	36.00
7,	6x16x20	5.50	54.00
8,	3x 7x21	3.00	28.50
9,	5x10x35	6.50	62.00
10,	7x20x20	9.50	67.50
11,	3½x5x30	3.00	28.50

Sample free on application. No charge for printing on orders above 250 boxes. Terms cash.

THE LIVINGSTON SEED COMPANY,
Box 104, COLUMBUS, OHIO.

Those Red Pots

"STANDARDS"

FULL SIZE AND WIDE BOTTOMS, BULB PANS AND AZALEA POTS.

DETROIT FLOWER POT M'F'Y.

HARRY BALSLEY, Rep. DETROIT, MICH. 490 Howard St.

REED & KELLER,

122 W. 25th St., NEW YORK.

FLORISTS' SUPPLIES.

We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
and are dealers in **Glassware, Pottery, Decorative Greens and all Florists' Requisites.**

Please mention the American Florist when writing

Tobacco Paper "NICO-FUME" LIQUID

IS THE STRONGEST, BEST PACKED, EASIEST APPLIED.

OVER 40% NICOTINE.

Furnishes the Most Nicotine for the Money!

By far the CHEAPEST.

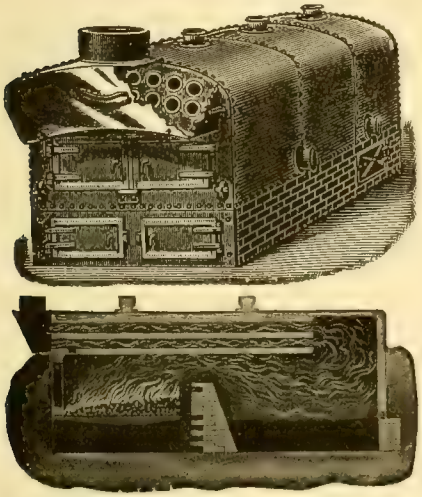
24 sheets	$ 0.75
144 sheets	3.50
288 sheets	6.50
1728 sheets	35.10

JUST NOTE PRICES!

Pint	$ 1.50
½ Gallon	5.50
Gallon	10.50
5 Gallons	47.25

Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.

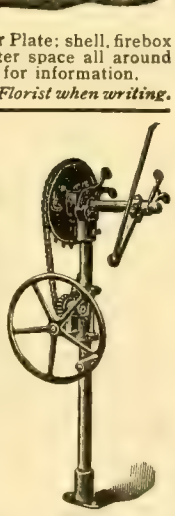
KROESCHELL BROS. CO.
IMPROVED
Greenhouse Boiler
45 Erie Street, CHICAGO.



Boilers made of Steel Boiler Plate; shell, firebox sheets and heads of steel; water space all around front, sides and back. Write for information.

Please mention the American Florist when writing.

The Advance Ventilating Apparatus



With goods made mechanically correct, on principles that have always given satisfaction, with prices that are reasonable, with lasting and satisfactory service, we certainly should have a chance to figure with you on what you may need in our line.

We have always pleased our customers. Why not you?

THE ADVANCE CO.
RICHMOND, IND.

Greenhouse Material

Made of clear Gulf Cypress is what we manufacture. We supply everything for your houses and your carpenter does the rest with the working plans we furnish. Let us figure on your requirements. We can save you money.

S. JACOBS & SONS,
1365-79 Flushing Ave., BROOKLYN, N. Y.

NICHOLAS WAPLER,
50 Barclay St., NEW YORK,
Manufacturer and Importer
TERRA COTTA
Grass Growing Heads and Animals
in different sizes and designs.
FISH GLOBES, FISH TANKS, AQUARIA,
FRENCH GLASS SHADES, round, oval and square, for covering statues, flowers, clocks and all kinds of ornaments.
Write for catalogue and prices.

IMPORTED HYACINTH GLASSES, Tall and Tye's Shape; Assorted Colors.

Please mention the American Florist when writing

THE LOW PRICE HEATING PLANTS

The Chicago House Wrecking Co. is in position to offer you an interesting proposition for furnishing you with a heating plant at a saving of at least 30%. Send us a sketch of your houses with preferred location of the boiler, the points of compass and the desired night temperature for zero weather, and we will gladly submit you an exact detail quotation of all material required to install the plant. We have ***heaters*** and ***boilers*** of every kind, both new and rebuilt. We have always ou hand a large number of rebuilt boilers suitable for greenhouse heating. Our stock embraces ***fire box boilers, horizontal tubular boilers, Kroeschell boilers, cast iron sectional boilers, Erie City economizers*** and other types

We can save you considerable money on ***pipe, valves*** and ***fittings;*** also on ***doors, glass, sash*** and everything needed in the construction of your buildings.

Ask for our Special Catalogue No. 47.

CHICAGO HOUSE WRECKING CO.,
35th and Iron Streets, CHICAGO.

Please mention the American Florist when writing.

GREENHOUSE HEATING

Complete heating plants erected or materials furnished with working plans. Write for prices on **BOILERS.**

JOHNSTON HEATING COMPANY,
St. James Building, 1133 Broadway, NEW YORK

Please mention the American Florist when writing.

HASCO LIQUID NICOTINE FOR SPRAYING AND VAPORIZING.
15% Stronger Than Any Made.
Pts., $1.35 Half Gal., $5.25. Gal. $10.00
THE H. A. STOOTHOFF CO., 116 West St., NEW YORK.

RHODES DOUBLE CUT PRUNING SHEAR

PAT.

Cuts from both sides of limb and does not bruise the bark. We pay Express charges on all orders. Write for circular and prices.

RHODES MFG. CO.
Dept. 3. GRAND RAPIDS, MICH.

MYERS & CO.
BUILDERS OF
Modern Greenhouses
HEATING
BOILERS.
1122 Betz Bldg.,
PHILA., PA.

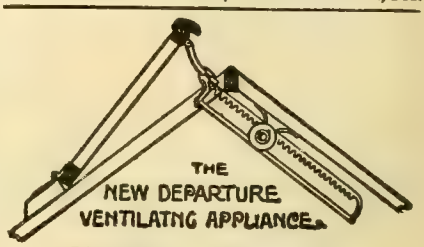
Index to Advertisers.

Adv rates.....942
Advance Co The....969
Allen J K 953
Amling E C.....948
Andorra Nurseries...958
Aschmann Godfrey..965
Atlanta Floral Co...955
Austin H.....946
Barrows Henry & Son951
Bassett & Washburn. 948 955
Baumann L & Co....968
Beaven E A.....947
Beckert W C.....IV
Benthey-Coatsworth Co.....948
Berckmans P J Co. 958 959
Berning H G.. ... 951
Bertermann Bros Co.954
Blackistone Z D.....955
Boddington A T 951
Boland J B Co.....955
Brant S D.....955
Breitmeyer's J Sons.954
Bruns H N 956
Budlong J A.... 948
Burpee W A & Co...IV
Byer Bros.....955
Caldwell the Woodsman Co.....947
Carlton H R.....966
Carmody J D.....970
ChicagoCarnationCo I
Chicago House Wrecking Co.....969
Cleveland Cut Flo Co955
ClipperLawnMower Co.....968
Coles W. W.....967
Geo H Cooke.....954
Cotsonas Geo & Co..953
Cottage gardens.....959
Cowee W J.....970
Craig Robert Co.....955
Cross Eli.....967
Cunningham Jos H..967
Daniels & Fisher....954
Davis Bros.....955
Deamud J B Co..... 949
DetroitFloPotMfy...968
Dietsch A Co.....978
Diller Caskey & Co..970
Dillon J L.....962
Dingee&ConardCo..961
Donohoe W H.....954
Dorner F & Sons Co. I
Dreer H A.....961 978
Dreyer R.....966
Dumont & Co.....947
Dunford J W.....955
Eberman C W.....953
Edwards Fold'g Box.968
Eggeling Floral Co..962
Elliott Wm H.....951
Emmans Geo M.....961
Eyers H G.....955
Fellouris A J 953
Fischer R.....964
Florists' Hail Ass'n...970
Flower Growers Co..948
Foley Mfg Co.....978
Ford Bros.....953
For Sale and Rent...943
Frey & Frey.....964
Froment H E 953
Garland Geo M..... V
Garnsey M V..... V
Giblin & Co.....VI
Globe Eng Co.....966
Gude A & Bro.....954
Gullett W H & Sons955
Gundestrup K & Co .IV
Gurney Heater Co... VI
Guttman Alex J.....953
Haines John E 962
Hansen M A 954
Hartman Hjalmar...957
Hauswirth P J.....954
Heller & Co.....957
Henshaw A M.....953
Herbert D & Son....967
Herr Albert M.....967
Herrmann A..... V
Hess & Swoboda....954
Hews A H & Co.....968
Hilfinger Bros.....968
Hill The E G Co.... I
Hilltop Grhs.....961
Hippard E.....978
Hitchings & Co..... VI
Holm & Olson.....954
Holton & Hunkel Co.951
Hooker H M Co.....978
Hort Advertiser 967
Hort Trade Journal..966
Hubbs Henry L 947
Hunt E H.....948
Igoe Bros..... V
Ionia Pottery Co 968
Isbell S M & Co.....IV
Jablonsky A..... 962
Jacobs S & Sons.....969
Jackson & Perkins Co.959
Janesville Floral Co.962
Jensen & Dekema...962
Johnston Heating Co969
Journal Des Roses...967
Kaempfer Fred.....978
Kasting W F..... I
Keller Geo & Son...968
Keller J B & Sons...955
Keller Pottery Co...968
Kellogg Geo M..... 954
Kennicott Bros Co..948
Kervan Co The.....953
Kessler P.....953
KingConstructionCo V
Klehm's Nursery ...959
Kramer F H.....962
Kramer I N & Son.. 968
Kuhl Geo A..... 961
Kroeschell Bros Co.969
Kuehn C A..... 951
Ky Tob Prod Co.....969
Lager & Hurrell.....953
Lake Wm B.....970
Lange A.....954
Langjahr A H.....953
Lecakes N & Co.....953
LeGreise W H.....962
Leedle Floral Co....959
Livingston Seed Co. 954 968
Lord & Burnham Co.VI
Matthews. Florist...955
McCullough's J M Sons Co.....951
McKellar Chas W...948
McKissick W E.....951
May H B & Sons....IV
Mayberry & Hoover.954
Meehan Thos & Sons959
Mich Cut Flower Ex.947
Miller Theo.....955
Mills the Florist.....954
Moninger J C Co.... V
Moon The Wm H Co.959
Moore Hentz & Nash.953
Morse C C & Co.....956
Morehead Mfg Co...970
Mosbaek L.....962
Murdoch J B & Co ..951
Murray Samuel.....954
Myers & Co..... 969
Natl FloBd of Trade.904
N Y Cut Flower Ex .953
Niessen Leo Co 951
Niuffer C M.....959
Northern Mich Evg Nursery.....947
Olbertz J.....966
Pacific Seed Co.....IV
Paducah Pottery 968
Palethorpe P R Co..968
Palmer W J & Son..954
Park Floral Co.....954
Pennock Meehan Co950
PerennialGardensCo959
Perfection Chem Co.978
Peterson's Nursery..959
Peterson J A..... I
Peeters A J Seed Co 956
Pierson F R Co I 957 963
Pierson U Bar Co.... V
Pittsburg Cut Flo Co947
Pittsburg Florist Ex951
Poehlmann Bros Co 948 962
Pollworth C C Co.944 954
Quaker City Machine Works..... V
Randall A L Co.....955
Rawson W W & Co. IV
Raynor J I.....953
Reed & Keller..... 968
Regan Print House.. V
Reinberg Peter..895 945
Rhodes Mfg Co.....969
Rice Bros.....947
Rice James H Co.... V
Robinson H M & Co. 946 947
Roehrs Julius Co.....953
Sander & Son 953
Satler L L Lumb'r Co. V
Scharff Bros.....962
Scheiden & Schoos..948
Scheepers John & Co 957
Scherer John P.....953
Schillo Adam.....970
Schultheis Anton....962
Schulz Jacob 955
Schrader E.....964
Schroeder J.....945
Seligman Jno.....953
SharpPartridge&Co. V
Sheridan W F.....953
Shippensburg FloCo.965
Siebert Co..... ...978
Silliman A B & Co..946
Sinner Bros. 948
Situations & Wants.943
Skidelsky S S.....951
Smith Wm C.....946
Smith Nathan & Son.955
Smith W & T Co.... I
Smits Jacs.....959
Standard Pump & Engine Co..... VI
Staer J.....957
Stearns Lumber Co.. VI
Stenzel Glass Co....978
Stern J & Co.....978
Stokes Seed Store...957
Stoothoff H A & Co.969
Storrs & Harrison Co959
Styer J J.....957
Syracuse Pottery Co.968
Taylor F G Seed Co.IV
Teilmann Gunnar...964
Thompson J D Carnation Co..... I
Texas Seed & Flo Co957
Thorburn J M & Co.IV
Tipton Ghrs.....965
Totty Chas H ...953 963
Traendley & Schenck953
VanHoutte PereSons967
Vaughan & Sperry...948
Vaughan's Seed Store .....IV 947 961 967
Vick's Sons Jas.....IV
Vincent R Jr & Son..966
Virgin U J.....954
Walker F & Co.....965
Walker John....962 965
Wanzer E F.....962
Wapler Nicholas....969
Ware Thos S.....959
Weber F C.....954
Weber H & Sons....966
Weeber & Don..... IV
Weiland & Risch....948
Welch Bros..... 951
Whilldin Pot Co.....968
Wibboltt R & Co....978
Wietor Bros.....III 948
Wild Gilbert H.....959
Wilson Andrew 978
Wilson Robt G.....954
WintersonEF Co....946
WittboldGeo Co.948 965
Wood Bros.....966
Woods H.....947
Young A L & Co....953
Young Thos.....953
Zech & Mann.....948

RIBBONS—SPECIALTIES

Our **VIOLET TIES** are new and original. They combine simplicity, grace and beauty. Write for sample.

WILLIAM B. LAKE, 2535 N. 34th St., PHILADELPHIA, PA.



CHEAPEST AND BEST.

If you doubt it try them and be convinced. Send for descriptive price circular.

J. D. Carmody, Evansville, Ind.

A STEAM TRAP

That will return the water of condensation to the boilers and keep every pipe in your steam system of equal heat.

YOU CAN'T BE WITHOUT IT

and be a successful florist. Write us.

MOREHEAD MFG. CO.,
1047 Grand River Avenue,
DETROIT, MICH.

—THE—

Florists' Hail Association

Insures over 23,000,000 square feet of glass, for particulars address

JOHN G. ESLER, Sec'y, SADDLE RIVER, N. J.

AMERICAN FLORIST ADS

Always do business
Week days and every day
Sundays and holidays
All over the country
At home and abroad

Use our patent Iron Bench Fittings and Roof Supports.

IMPROVED VAPORIZING PANS
For Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY & CO. SUCCESSORS TO JENNINGS BROTHERS,
S. W. Cor. Sixth and Berk Sts., PHILADELPHIA.

VENTILATING APPARATUS.

Please mention the American Florist when writing.

LUMBER

for Greenhouse Benches, Ship Lap, Drop Siding, Sheathing, Flooring, White Cedar Posts, Etc.

We are in special position to furnish **"PECKY CYPRESS"** everything in **PINE** and **HEMLOCK BUILDING LUMBER.** WRITE FOR PRICES.

Adam Schillo Lumber Co. Cor. Weed and Hawthorn St., CHICAGO. Tel. North 1626 and 1627.

Please mention the American Florist when writing.

Wired Toothpicks

10,000. $1.50; 50,000, $6.25. Manufactured by

W. J. COWEE, BERLIN, N. Y.

Sample free. For sale by dealers.

TAUX D'ANNONCES DANS L'AMERICAN FLORIST.

Nos taux d'annonces sont $1.00 (Frs. 5-15) par pouce, largeur simple colonne, $30.00 (Frs. 154-50) par page de trente pouces avec escomptes sur les insertions consécutives, comme suit:

6 insertions.....5 pour cent. 26 insertions.....20 pour cent.
13 insertions.....10 pour cent. 52 insertions.....30 pour cent.

La place occupée par des annonces sur la première et la dernière couverture ne s'accorde que par contrat annuel au taux de $1.00 (Frs. 5-15), net, par pouce. Faites remise par Mandat-poste international.

Ready Reference Advertising.

ADVERTISEMENTS IN THIS DEPARTMENT 10 CENTS PER LINE, CASH WITH ORDER.
COPY MUST REACH US MONDAY OF THE WEEK IN WHICH IT IS TO APPEAR

AGERATUMS.

Ageratum, Gurney and Pauline, R. C., 60c per 100, prepaid. Shippensburg Floral Co., Shippensburg, Pa.

Ageratums. Nathan Smith & Sons Adrian, Mich.

ALTERNANTHERAS.

Alternantheras, red and yellow, $2 per 100; $15 per 1,000. R. Vincent, Jr., & Son, White Marsh, Md.

ALTHEAS.

Althea Edward Bellamy, best double white, 2 to 3 feet, to close out, $5 per 100; $40 per 1,000. The E. Y. Teas Co., Centerville, Ind.

AMPELOPSIS.

Ampelopsis Veitchii, 2-yr., field-grown, $6 per 100; $55 per 1,000. Dingee & Conard Co., West Grove, Pa.

ARAUCARIAS.

Araucaria excelsa, 5½-in., 15 ins., 4 to 5 trs., 50c; 5½-in., 15 to 18 ins., 4 to 5 trs., 60c; 5½ to 6-in., 18 to 23 ins., 5 to 6 trs., 75c; 6-in., 23 to 25 ins., 5 to 7 trs., $1; 6 to 7-in., 25 to 30 ins., 5 to 7 trs., $1.25; 7-in. specimens, $1.50 to $2. Compacta Robusta, 6-in., 3 trs., 12 to 14 and 16 to 18 ins., $1 and $1.25; 6 to 7-in., 4 to 5 trs., 18 to 20 and 20 to 25 ins., $1.50. $1.75; 7-in. specimens, 6 to 7 trs., 25 to 30 ins., $2 to $2.50. Excelsa glauca, 6-in., 3 trs., 14 to 16 and 18 to 20 ins., $1 to $1.25; 6 to 7-in., 4 to 5 trs., 20 to 25 and 25 to 30 ins., $1.50, $1.75; 7-in. specimens, 5 trs., 30 to 35 ins., $2 and $2.50. G. Aschmann, 1012 Ontario St., Philadelphia.

Araucaria excelsa, 5½ to 6-in., 18 to 23 ins., 5 to 6 trs., 75c; 6-in., 23 to 25 ins., 5 to 7 trs., $1; 6 to 7-in., 25 to 30 ins., 5 to 7 trs., $1.25; 7-in. specimens, $1.50 to $2. Compacta Robusta, 6-in., 3 trs., 12 to 14 and 16 to 18 ins., $1 and $1.25; 6 to 7-in., 4 to 5 trs., 18 to 20 and 20 to 25 ins., $1.50, $1.75; 7-in. specimens, 6 to 7 trs., 25 to 30 ins., $2 to $2.50. Excelsa glauca, 6-in., 3 trs., 14 to 16 and 18 to 20 ins., $1 to $1.25; 6 to 7-in., 4 to 5 trs., 20 to 25 and 25 to 30 ins., $1.50, $1.75; 7-in. specimens, 5 trs., 30 to 35 ins., $2 and $2.50. G. Aschmann, 1012 Ontario St., Philadelphia.

Araucarias, excelsa, 4-in., 5 to 6 ins. high, 2 tiers, 40c each; 6-in., 12 to 14 ins., 3 trs., 75c each; 6-in., 16 to 18 ins., 3 to 4 trs., $1 each; 6-in., 18 to 20 ins., 4 trs., $1.25 each; 7-in., 20 to 22 ins., $1.50 each. Excelsa glauca, 6-in., 13 to 15 ins., 3 trs., $1.25 each; 7-in., 22 to 24 ins., 4 to 5 trs., $2 each. Robusta compacta, 6-in., 10 ins., 2 to 3 trs., $1.25 each; 6-in., 12 ins., 3 trs., $1.50 each. H. A. Dreer, 714 Chestnut St., Philadelphia.

Araucarias, excelsa, 6-in., 5 whorls, 20 to 22 ins. high, $1.50 each. Glauca, 6-in., 3 to 4 whls., 14 to 15 ins., $1.25 each; 6-in., 4 whls., 18 to 20 ins., $1.50 each; 6-in., 4 to 5 whls., 22 to 24 ins., $2 each; 7-in., 4 to 5 whls., 28 to 30 ins., $3 each. Robusta compacta, 6-in., 2 to 3 whls., 12 to 14-ins., $1.50 each; 7-in., 5 whls., 28 to 30 ins., $3 each. Vaughan's Seed Store, Chicago and New York.

Araucaria Excelsa, 6-in., 3 to 4 tiers, $1 each; $12 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Araucaria excelsa. R. Dreyer, Woodside, L. I., N. Y.

Araucarias. L. Van Houtte Pere, Ghent, Belgium.

ASPARAGUS.

Asparagus plumosus nanus, 15,000 fine young plants from 2¼-in. pots, worth $3, to close out, $1.50 per 100; $15 per 1,000. The W. T. Buckley Co., Springfield, Ill.

Asparagus Commorensis, 2-in., $4 per 100; $35 per 1,000. J. F. Wilcox, Council Bluffs, Iowa.

Asparagus plumosus, 2-in., $3 per 100; 3-in., $6. Sprengeri, 2-in., $3 per 100; 3-in., $6; 4-in., $1.25 per doz.; 5-in., $2. George Wittbold Co., 1657 Buckingham Pl., Chicago.

Asparagus plumosus, 4-in., Bushy, 10c to 12c. Sprengeri, 4-in., 10c. G. Aschmann, 1012 Ontario St., Philadelphia.

Asparagus plumosus and Sprengeri, 4-in., $8; 3-in., $5; 2¼-in., $2.50; 2-in., $2 per 100. Ludvig Mosbaek, Onarga, Ill.

Asparagus plumosus, 3-in., $5 per 100. Sprengeri, 3½-in., $6 per 100. Scharff Bros., Van Wert, O.

Asparagus plumosus, 3-in., $5 per 100. Sprengeri, 2½-in., $2.50 per 100. E. T. Wanzer, Wheaton, Ill.

Asparagus plumosus, 2¼-in., $2 per 100; $18 per 1,000. Jos. H. Cunningham, Delaware, O.

Asparagus plumosus, 3½-in., $6 per 100. Hill Top Greenhouses, Utica, N. Y.

Asparagus plumosus, 2-in., $3; 3-in., $6. W. H. Gullett & Sons, Lincoln, Ill.

Asparagus Sprengeri, 2-in., $2.50 per 100; plumosus, 2-in., $3 per 100; 3-in., $5 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus Sprengeri, 3½-in., $5 per 100; plumosus, 3½-in., $6 per 100. Poehlmann Bros. Co., Morton Grove, Ill.

Asparagus Sprengeri and plumosus, 2½-in., $4 per 100. Dingee & Conard Co., West Grove, Pa.

Asparagus Sprengeri, 2½-in., $3 per 100; $25 per 1,000. J. W. Dunford, Clayton, Mo.

Asparagus Sprengeri, 3-in., $5 per 100. John Walker, Youngstown, O.

Asparagus Sprengeri, 2½-in., $2 per 100. Byer Bros., Chambersburg, Pa.

AUCUBAS.

Aucuba Japonica, 10-in., 3 ft., $1.50 each. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

AZALEAS.

Azalea indica, early and late vars., Simon Mardner, Empress of India, Niobe, Prof. Walters, Mme. Van der Cruyssen, Helen Theilman, 10 to 12-in. crowns, $35 per 100; 12 to 14-in., $45 per 100; 14 to 16-in., $55 per 100; 16 to 18-in., $90 per 100. Mollis, bushy well budded seedling, 12 to 15 ins. high, $25 per 100; 15 to 18 ins. high, $35 per 100. Storrs & Harrison Co., Painesville, O.

Azaleas, Simon Mardner, dbl. red and Deutsche Perle, dbl. white, Vervæneana, dbl. var., 12 to 14 ins. diameter, $1.25 each; $12 per doz.; 14 to 16 ins., $1.50 each; $15 per doz.; 16 to 18 ins., $2.25 each; $24 per doz.; 18 to 20 ins., $3 each; 20 to 22 ins., $4 each. Vaughan's Seed Store, Chicago and New York.

Azalea indica, leading varieties, 35c, 40c, 50c, 60c, 75c, $1, $1.25 to $1.50 each. G. Aschmann, 1012 Ontario St., Philadelphia.

Azaleas, $1, $1.25, $1.50 each. Geo. A. Kuhl, Pekin, Ill.

Azaleas. Cottage Gardens Co., Queens, L. I., N. Y.

Azaleas. L. Van Houtte Pere, Ghent, Belgium.

Azaleas. Jacs Smits, Ltd., Naarden, Holland.

BAY TREES.

Bay trees, fine stock. R. Dreyer, Woodside, L. I., N. Y.

Bay Trees. L. Van Houtte Pere, Ghent, Belgium.

BEGONIAS.

Begonia Gloire de Lorraine, very bushy, plants in bloom, 5-in. pans, $9 per doz.; 6-in., $12 per doz.; 7-in., $18 per doz. Vaughan's Seed Store, Chicago and New York.

Begonias Gloire de Lorraine, 6-in., 50c; 3-in., 20c. Begonia flambeau, 4-in. pots, 20c. B. Erfordii, 4-in., 15c. G. Aschmann, 1012 Ontario St., Philadelphia.

Rex begonias, asst., R. C., $1.25 per 100 prepaid. Shippensburg Floral Co., Shippensburg, Pa.

Begonia Gloire de Lorraine, 4-in., $5 per doz.; 3-in., $3 per doz. A. Jablonsky, Wellston, Mo.

Begonia Rex, 2 and 2½-in., $5 per 100. Geo. M. Emmans, Newton, N. J.

Begonias, R. C., $1.50 per 100. S. D. Brant, Clay Center, Kans.

Rex begonias, 3-in., 8c. Byer Bros., Chambersburg, Pa.

Begonias, Rex, 4-in., $15. Geo. A. Kuhl, Pekin, Ill.

Begonias. Thos. S. Ware, Ltd., Feltham, England.

Begonias. L. Van Houtte Pere, Ghent, Belgium.

BOXWOOD.

Boxwoods, pyramids in tubs, 3 ft., $4 each; 4 ft., $5 each; bush form, 4 ft., $5 each; 1 ft., 35c each, $4.20 per doz; 1½ ft., 50c each. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Boxwood, 12 to 20 ins., 75c per pair; 24 ins., $1 per pair. Pyramids, 3 ft., $2.50 to $3 per pair; 4 ft., $3 to $4; 4 ft. 6 ins., $5; 5 ft., $7. A. Schultheis, College Point, N. Y.

BULBS, ROOTS, TUBERS.

Bulbs, Dutch hyacinths, about $2 per 100; La Grandesse, L'Innocence, Baron Von Thuyll, Gertrude. Czar Peter, Mme. Van der Hoop, Chas. Dickens, Grand Maitre. Single hyacinths, separate colors, $2.75 per 100; White and blush rose. Double hyacinths, sep. colors, $2.75 per 100; rose, pure white, white and blush. Narcissus, Incomparable, Orange, Phoenix, Empress, Emperor, Grand Primo, Soleil d'Or, Ard Righ. Tulips, from 1,500 to 3,000 of each. Duchess of Parma, Mon. Tresor, Thos. Moore, Rose Gris de Lin, Vaughan's New Pink, Rosa Mundi, Crimson King, Gesneriana, Joost Van Vondel, Princess Marie Ann, Pottebakker, Belle Alliance, Prosperine, Dusart, gold striped and scarlet; Rembrandt, Gold Finch, single late mixed; double named; Murillo, Tournesol, red and yellow, Crown d'Or, Imperator Rubrorum, Rosine, Rose Blanche, dbl. early extra mixed, dbl. early fine mixed, dbl. extra late mixed. Parrot tulips, 3 kinds. Vaughan's Seed Store, Chicago and New York.

Bulbs, L. Longiflorum, 6 to 8 ins., $3 per 100; $27 per 1,000; 7 to 9 ins., $5 per 100; $45 per 1,000; Multiflorum, 6 to 8 ins., $3 per 100; $28 per 1,000; 7 to 9 ins., $5.50 per 100; $50 per 1,000. Lily of the valley pips. J. M. Thorburn & Co., 33 Barclay St., New York.

Bulbs, single mix. tulips, 60c per 100; $4.50 per 1,000. Single mix. hyacinths and freesias, Paper White narcissus. James Vick's Sons, Rochester, N. Y.

Sparaxis, $3.50 per 1,000. Ixias, mix., $2.50 per 1,000. Oxalis (Bermuda buttercup) $6 per 1,000. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Bulbs, Narcissus Empress and Henry Irving, Candidum lilies. E. F. Winterson Co., 45 Wabash Ave., Chicago.

Bulbs, gladiolus, mixed, 60c per 100; $5 per 1,000. Geo. M. Emmans, Newton, N. J.

If you do not find what you need in our Ready Reference Department, write us about it.

Bulbs, narcissus, Golden Spur, $18 per 1,000. Grandee, $10 per 1,000. Horsfieldi, $16 per 1,000. Princeps, $7 per 1,000. Single Von Sion, $11 per 1,000. Trumpet Major, $12 per 1,000. Dbl. Von Sion, $12 per 1,000. Dbl. Von Sion, mammoth dbl. nose, $20 per 1,000. Incomparable fl. pl., $9 per 1,000; Stella, $5.50. Poeticus (Pheasant's eye) $4.50 per 1,000. Poeticus Ornatus, $7 per 1,000. Orange Phoenix, $11 per 1,000. Giant Campernelle, $6 per 1,000. Dbl. Jonquil, $8 per 1,000. Bicolor Victoria, $3 per 100; $25 per 1,000. Barrie Consp., $8 per 1,000. Silver Phoenix, $20 per 1,000. Mrs. Langtry, $10 per 1,000. Crientalis (Chinese sacred lily) 4 baskets, 120 bulbs, $4.80. Hyacinths, Grand Maitre, Gigantea, Gertrude, King of the Blues, La Peyrouse, $1.75 per 100. Baroness Van Thuyll, Mme. Van der Hoop, $2.25 per 100. Czar Peter, $2.50 Fine named, such as Albertine, Gertrude, Grand Blanche, Robt. Steiger, Mme. Van der Hoop, L'Innocence, Baron Van Thuyll, Marie Blocksberg. Bouquet Tendre, Flevo, Garrick, Bouquet Royal, La Virginite, Prince of Orange, etc., our selection of vars., $4 per 100, $30 per 1,000. White Romans, selected, 13-15 cm., $3 per 100; $25 per 1,000. Lilium longiflorum, Japan grown, 9-10 ins., case of 200, $15. Multiflorum, 7-9 ins., case of 300, $15; 9-10 ins., case of 200, $17. Giganteum, 8-10, case of 225, $22.50. Freesia refacta alba, $7.50 per 1,000. Lily of the valley, Perfection grade, case of 2,000 pips, $28. Gladiolus Colvilli alba, The Bride, $7.50 per 1,000; rubra, $6.50 per 1,000. Tulips, Cottage Maid, Count of Leicester, Duke of York, $9 per 1,000. Keizerskroon, $17 per 1,000. La Reine, $8.50 per 1,000. Prince of Austria, $24 per 1,000. Bizarre, mix., $7 per 1,000. Darwins Peony red, $10 per 1,000. Golden Crown, $7.50 per 1,000. Parrots, named, Gloire Solis, Lady Grandison, $12 per 1,000. Murillo, $19 per 1,000. Rose Blanche, $8 per 1,000. Crocus, large size, David Rizzio, La Majesteuse, Mont Blanc, Prince Albert, Sir Walter Scott, etc., $5 per 1,000; sep. colors, blue, white, yellow, striped, $3 per 1,000. Allium Neapolitanum, $5 per 1,000. Anemones, single, $4 per 1,000. Chionodoxa Lucillae, $6.50 per 1,000. Grape Hyacinths, blue. $3.50 per 1,000; white, $6.50 per 1,000. Spanish iris, mix., $2.50 per 1,000. Dbl. Ranunculus, French, $3.50 per 1,000; Persian, $4 per 1,000; Turban, $5 per 1,000. Scilla Campanulata cerulea, $3.50 per 1,000. Snowdrops, single and giant, $6 per 1,000. F. R. Pierson Co., Tarrytown, N. Y.

Bulbs of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Bulbs of all kinds, valley. John Scheepers & Co., New York.

Cannas, 40 leading vars., $10 per 1,000 and upwards. Dingee & Conard Co., West Grove, Pa.

150,000 cannas, 35 leading varieties. Ludvig Mosbaek, Onarga, Ill.

Cannas. Nathan Smith & Son, Adrian, Mich.

Cannas. Thos. S. Ware, Ltd., Feltham, England.

Lily of the valley, pips for forcing, $1.50 per 100; $14 per 1,000. H. N. Bruns, 1409 W. Madison St., Chicago.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

CARNATIONS.

Carnations, rooted cuttings, Victory, $6 per 100; $50 per 1,000. Enchantress, $2 per 100; $18 per 1,000. W. Lawson, L. Bountiful, $3 per 100; $25 per 1,000. B. Market, P. Lawson, $1.50 per 100; $12.50 per 1,000. Nelson, $2 per 100; $15 per 1,000. E. T. Wanzer, Wheaton, Ill.

Carnations, rooted cuttings. Red Chief, Bonnie Maid, Aristocrat, $12 per 100; $100 per 1,000. Rose Pink Enchantress, $7 per 100; $60 per 1,000; White Perfection, $6 per 100. $50 per 1,000. F. Dorner & Sons Co., La Fayette, Ind.

Carnations, Rose Pink Enchantress, rooted cuttings. $7 per 100; $60 per 1,000. S. S. Skidelsky, 824 No. 24th St., Philadelphia.

Carnations, Aristocrat, Rose Pink Enchantress, White Perfection and other leading varieties. E. G. Hill Co., Richmond, Ind.

Carnations, White Enchantress, rooted cuttings, $12 per 100; $100 per 1,000. E. Schrader, New Springville, New York.

Carnations, Winsor and Aristocrat, $12 per 100; $100 per 1,000. Wm. F. Kasting, 383 Ellicott St., Buffalo, N. Y.

Carnations, Pink Imperial, cuttings, $2.50 per doz.; $12 per 100; $100 per 1,000. John E. Haines, Bethlehem, Pa.

Carnation Victory, rooted cuttings, $6 per 100; $50 per 1,000. Guttman & Weber, 43 W. 28th St., New York.

Carnation Abundance, rooted cuttings, $5 per 100; $40 per 1,000. R. Fischer, Great Neck, L. I.

Carnations, Victory, $6 per 100; $50 per 1,000. Jensen & Dekema, 674 W. Foster Ave., Chicago.

Carnations, 1,500 Norway, $3.50 per 100; $30 per 1,000. J. W. Dunford, Clayton, Mo.

Carnation Mabelle, new, $12 per 100; $100 per 1,000. H. Weber & Sons Co., Oakland, Md.

Carnations, hardy plants from frames, $2 per 100. Byer Bros., Chambersburg, Pa.

Carnations, rooted cuttings. Chicago Carnation Co., Joliet, Ill.

Carnation, Bertha Rath. R. Dreyer, Woodside, L. I., N. Y.

Carnations for fall delivery. Wood Bros., Fishkill, N. Y.

Carnations. J. D. Thompson Carnation Co., Joliet, Ill.

Carnations, leading vars. A. M. Herr, Lancaster, Pa.

CHRYSANTHEMUMS.

Chrysanthemums, stock plants, Kalb, A. Byron, Robinson, Adelia, W. Bonnaffon, Crawford, T. Eaton, Chadwick, Merry Christmas, Willowbrook, Wanamaker, Col. Appleton, Halliday, Y. Eaton, Bonnaffon, Whilldin, Rieman, Merstham Yellow, Sunshine, McNiece, Perrin, Enguehard, M. Dean, Pink Ivory, Intensity, $6 per 100; 75c per doz. Poehlmann Bros. Co., Morton Grove, Ill.

Chrysanthemums, stock plants, C. Touset, Nonin and Moneymaker. Monrovia, Pacific, Bonnaffon, white and yellow Eaton, Mrs. Weeks, V. Morel, J. K. Shaw, A. Byron, Galloway, B. Wells, Enguehard, Golden Age, Yanoma, Chadwick, $1 per doz.; $8 per 100. Gunnar Teilmann, Marion, Ind.

Chrysanthemums, Wm. Simpson, Polly Rose, Glory of Pacific, Ivory, white and pink, Major Bonnaffon, Halliday, M. Dean, Adelia, V. Morel, L. Queen, Yel. Jones, Queen, G. Wedding, Childs, Dr. Enguehard, Alma, 75c per doz.; $5 per 100. John Walker Youngstown, O.

Chrysanthemums, stock plants of the following varieties at $4 per 100; Kalb, Glory of Pacific, Polly Rose, Pink Ivory, White Ivory, Wm. Duckham, Maud Dean, Marie Layer, Dr. Enguehard, A. J. Balfour, Alice Byron, R. Halliday, W. H. & C. B. Newman, Akron, N. Y.

Chrysanthemums, stock plants, Estelle, Kalb, Willowbrook, Eaton, Shaw, Duckham, M. Bailey, Enguehard, Dean, October Sunshine, Y. Eaton, Whilldin, Bonnaffon, G. Wedding, 75c per doz.; $6 per 100. Nonin, $1 per doz. W. H. Gullett & Sons, Lincoln, Ill.

Chrysanthemum novelties, White Sport of Duckham, Mrs. A. T. Miller, Moneymaker, Rose Lawrence, Mary Godfrey, Buttercup, Miss Miriam Hankey, Mrs. Henry Barnes and many others. Chas. H. Totty, Madison, N. J.

Chrysanthemums, stock plants, Mrs. Duckham, Col. Appleton, Cheltoni, F. A. Cobbold, F. S. Valis, Wm. Duckham, Nellie Pockett, Merza, Henry Robinson, etc., $10 per 100. C. Peterson, 307 Lincoln St., Flushing, N. Y.

Chrysanthemums, stock plants, Rosiere, $1.50 per doz. Emereter, Merstham, C. Touset, $1 per doz. Monrovia, Omega, M. Bergmann, Willowbrook, 75c per doz. Eli Cross, Grand Rapids, Mich.

Stock plants of the Ceramic chrysanthemum, new cream color, now ready, 20c each; $2 per doz. Chal. Peterson, East Liverpool, Ohio.

Chrysanthemums, stock plants, Willowbrook, Kalb, Estelle, Wanamaker, Ivory, Robinson, Appleton, Bonnaffon, Halliday, Coombes, McNeice, Enguehard, 60c per doz.; $4 per 100. E. T. Wanzer, Wheaton, Ill.

Chrysanthemums, C. Touset, Nonin, 75c per doz.; $5 per 100. Pacific, Estelle, Willowbrook, Halliday, Kalb, L. Harriet, 60c per doz.; $4 per 100. Eggeling Floral Co., 1653 S. Grand Ave., St. Louis, Mo.

Chrysanthemums, stock plants, Robinson, Weeks, T. Eaton, Col. D. Appleton, Goldmine, Dr. Enguehard, Wm. Duckham, Touset, Maud Dean, Casco, 75c per doz. Tipton Greenhouses, Tipton, Iowa.

Chrysanthemums, big clumps, $1 per doz. Eaton, Y. Eaton, G. Wedding, Yanoma, Y. and W. Jones, Liger, Duckham, P. Ivory, Plumeridge. Frey & Frey, Lincoln, Neb.

Chrysanthemums, stock plants, Appleton, Wm. Duckham, Glory of Pacific, Chito, Intensity, Carrington, 75c per doz.; $5 per 100. F. Walker & Co., New Albany, Ind.

Chrysanthemums, stock plants, Touset and Nonin, $1 per doz. Lavender Queen, yellow and white Eaton, Liger, Shaw, Monrovia, 75c per doz. W. W. Coles, Kokomo, Ind.

Chrysanthemums, old stools, Polly Rose, Appleton, Duckham in exchange for Begonia Gloire de Lorraine, or heap offer. Riverbank Greenhouses, Geneva, Ill.

Chrysanthemum stock plants, Bonnaffon, White Bonnaffon, Maud Dean, Wanamaker, Chadwick, 75c per doz.; $5 per 100. August Erickson, 688 W. Foster Ave., Chicago.

Chrysanthemums, best sorts, Golden Dome, White Duckham, Pres. Loubet, Mlle. Chabanne. E. G. Hill Co., Richmond, Ind.

Chrysanthemums, Morton F. Plant, $2 per doz.; 2½-in. pots, $5 per 100. W. H. Le Gierse, 4653 Lancaster Ave., Philadelphia.

Chrysanthemums, leading foreign and American varieties. Nathan Smith & Son, Adrian, Mich.

Chrysanthemums, Smith's Revised Manual, 40c. Nathan Smith & Son, Adrian, Mich.

Chrysanthemums, all varieties. Nathan Smith & Son, Adrian, Mich.

Chrysanthemums. Wood Bros., Fishkill, N. Y.

CIBOTIUMS.

Cibotium Schiedei, 5-in., $9 per doz.; 6-in., $12 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

CINERARIAS.

Cinerarias, 3-in., $3 per 100. Hill Top Greenhouses, Utica, N. Y.

CLEMATIS.

Clematis Pan., 2-yr., field-grown, $7 per 100; $65 per 1,000. Dingee & Conard Co., West Grove, Pa.

COBOEA.

Cobœa Scandens, 4-in., $8 per 100. Godfrey Aschmann, 1012 Ontario St., Philadelphia, Pa.

COLEUS.

Coleus, asst. R. C., 60c per 100, prepaid. Shippensburg Floral Co., Shippensburg, Pa.

CYCLAMENS.

Cyclamens, 5-in., $15 per 100; 4-in., $10 per 100; 3-in., $5 per 100, 300 for $10. Hill Top Greenhouses, Utica, N. Y.

Cyclamen plants, grand strain, 5-in., showing bud, $35 per 100. Riverbank Greenhouses, Geneva, Ill.

Cyclamen, 4-in., 12c. G. Aschmann, 1012 Ontario St., Philadelphia.

CYPERUS.

Cyperus gracilis, 2½-in. pots, $3.50 per 100. Dingee & Conard Co., West Grove, Pa.

If you do not find what you need in our Ready Reference Department, write us about it.

DAHLIAS.

Dahlias, 25 leading vars., named, Admiral Dewey, Constancy, Gloriosa, Orange King, Prof. Baldwin, Maid of Kent, C. W. Bruton, Uncertainty, field clumps, $5 per 100; $45 per 1,000. Catherine Duer, $8 per 100. Dingee & Conard Co., West Grove, Pa.

Dahlias, improved Countess of Lonsdale, cactus type, 6 for $1; $1.75 per doz.; $12 per 100. Arthur T. Boddington, 342 W. 14th St., New York.

Dahlias. Thos. S. Ware, Ltd., Feltham, England.

DAISIES.

Daisies, dbl., leading vars., $2.50 per 1,000. Byer Bros., Chambersburg, Pa.

DEUTZIAS.

Deutzias, in variety. W. & T. Smith Co., Geneva, N. Y.

DRACAENAS.

Dracæna fragrans, 5-in., 50c each, $5 per doz.; 7-in., $1 each; $12 per doz; D. indivisa, 2-in., $2.50 per 100; 6-in., 20 to 26 ins., 50c each; $5 per doz; 7-in., 30 to 34 ins., 75c each; $9 per doz.; D. terminalis, 2-in., $1.25 per doz.; 3-in., $2 per doz.; $6-in., $9 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Dracæna Terminalis, 5-in. pots, 50c each; $5 per doz.; 6-in., 90c each; $9 per doz.; 7-in., 3 plts. in pan, $1.50 each; $18 per doz. Vaughan's Seed Store, Chicago and New York.

Dracæna Bruanti, 30-in., 6-in. pots, 50c each; $5 per doz. G. Aschmann, 1012 Ontario St., Philadelphia.

Dracæna indivisa, 3-in., $6 per 100; 4-in., $12; 6-in., 50c each. John Walker, Youngstown, O.

Dracæna indivisa, 4 and 5 ins., $10 and $25 per 100. Geo. M. Emmans, Newton, N. J.

FERNS.

Ferns, Boston, 5-in., $3; 6-in., strong, $6; 7-in., $9. Large specimens, $1.50, $2, $3 each. Assorted ferns for dishes, $3 per 100; $25 per 1,000. Pteris Wimsetti, 5-in., 75c per doz.; $6 per 100. Pteris argyrea, 3-in., $1 per doz.; $8 per 100. Aspidium Ten., 3-in., $1 per doz.; $8 per 100. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Ferns, Adiantum Farleyense, 4-in., $5 per doz.; $40 per 100; 5-in., $9 per doz.; $70 per 100; 6-in., $12 per doz. Scottii, 6-in., 50c each. Whitmani, 8-in. pans, $2 each. Boston, 6-in., 50c each. Mixed ferns for dishes, 2¼-in., $3.50 per 100; $30 per 1,000; 3-in., $6 per 100; $50 per 1,000. H. A. Dreer, 714 Chestnut St., Philadelphia.

Ferns, bushy plants, Pteris Tremula, 4-in., $1.25 per doz.; $10 per 100; 5-in., $2 per doz.; $15 per 100; Wilsoni, 5-in., $3 per doz.; $20 per 100. Assorted Pteris ferns, 2¼-in., $3 per 100; $25 per 1,000. Large stock of Boston, Elegantissima, Whitmani and Scottii, all sizes. Vaughan's Seed Store, Chicago and New York.

Ferns, Barrowsii, 7-in., 75c to $1 each; 6-in., 50c; 5½-in., 40c; 5-in., 35c; 4-in., 25c. Scottii, 8-in., $1.25; 7-in., 75c; 6-in., 50c; 5½-in., 40c; 4-in., 20c. Elegantissima, 5-in., 30c. Boston, 7-in., 75c; 6-in., 50c; $5 per doz.; 5-in., 30c to 35c; 4-in., 20c. Ferns for dishes, 2½-in., $5 per 1,000. G. Aschmann, 1012 Ontario St., Philadelphia.

Ferns, Pteris magnifica, Pteris serrulata cristata, Pteris alb. lineata, Pteris Wimsettii, Pteris Ouvrardi, $3 per 100; $25 per 1,000. Boston, Scottii and Piersoni, 3-in., $8; 4-in., $15; 5-in., $25; 6-in., $40 per 100. J. F. Wilcox, Council Bluffs, Iowa.

Ferns, N. Piersoni, Elegantissima, 2¼-in. pots, $12 per 100; specimen plants, 6-in., $1 each; 8-in., $2; 10-in., $3; 12-in., $5; 14-in., $7.50; 16-in., $10. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns, Boston, fine large 4-in. pot grown, $12 per 100. Bench grown for 4-in., $10 per 100; $90 per 1,000; for 5 and 6-in., $20 per 100. All A1 stock. Cash with order. F. W. Hackenkamp, Jr., Quincy, Ill.

Ferns, 50 10-in. Boston, $2.50 each; $25 per doz. fine lot of Elegantissima, Barrowsii, Piersoni, Scottii, Whitmani and Boston, 4, 5 and 6-in. pots. Geo. A. Kuhl, Pekin, Ill.

Ferns, Boston, 4-in., 10c; 5-in., 12½c; 3-in., 5c; Tarrytown, 3-in., 10c; 4-in., 15c; 6-in., 25c; runners, $2 per 100; Scottii, 3-in., 8c; 4-in., 12½c. Byer Bros., Chambersburg, Pa.

Ferns, Boston, Piersoni, Anna Foster and Sword, 2¼ and 3-in., $3 and $6 per 100; 6-in., $4; 8-in., $12; 10-in., $25 per doz. Ludvig Mosbaek, Onarga, Ill.

Ferns, N. Whitmani, 2¼-in., $25 per 100. Boston, 2¼-in., $3 per 100. H. H. Barrows & Sons, Whitman, Mass.

Ferns, Boston, 6-in., 50c. Scottii, 5-in., 35c; 6-in. pans, 50c; 8-in., $1. John Walker, Youngstown, O.

Ferns, Boston, from bench, for 4 and 5-in., $10 and $15 per 100. J. W. Dunford, Clayton, Mo.

Ferns, N. Whitmani, young plants from bench, $6 per 100. Davis Bros., Morrison, Ill.

Ferns, Boston, 8-in. pans, $1.50 each; $15 per doz.; 6-in., 50c. A. Jablonsky Wellston, Mo.

Ferns, orders booked now for N. Amerpohli, Janesville Floral Co., Janesville, Wis.

Ferns, Boston, 5-in., 30c each. Piersoni, 6-in., 50c each. Geo. M. Emmans, Newton N. J.

Ferns, N. Elegantissima, 2¼-in., $5 per 100. Storrs & Harrison Co., Painesville, O.

Ferns, Scottii 5-in., $25 per 100. Holton & Hunkel Co., Milwaukee, Wis.

Ferns, A. Hybridum, 2¼-in., $5 per 100. A. Ley & Bro., Langdon, D. C.

Ferns, all leading varieties, R. Dreyer, Woodside, L. I., N. Y.

FICUS.

Ficus, 6-in., 25 to 30 ins., 40c to 50c each. G. Aschmann, 1012 Ontario St., Philadelphia.

GERANIUMS.

Geraniums, from 2-in. pots. Alliance, Lemoine, 1905, 25c each; $2 per doz. Fleuve Blanc, $1.50 per doz.; $10 per 100. Cactus, 4 vars., $2 per doz., $15 per 100. Double Dryden, $1 per doz.; $5 per 100. Nutt, La Pilote, Poitevine, Mme. Barney, Centaure, Kendall, Mme. Jaulin, Viaud, Mme. Charotte, 40c per doz.; $2 per 100; $18 per 1,000. Ville de Poitiers, M. de Castellane, Berthe de Presilly, M. Jolly de Bammeville, T. Meehan. 50c per doz.; $3 per 100; $25 per 1,000. R. Vincent, Jr., & Son, White Marsh, Md.

Geraniums, the following "Six Kings"; S. A. Nutt, deep scarlet; A. H. Trego, scarlet; Peter Henderson, bright scarlet; Beaute Poitevine, salmon; Jean Viaud, pink; Mme. Buckner, white; all semi-double, strong top cuttings, well rooted, $1.50 per 100; $15 per 1,000. Cash. The W. T. Buckley Co., Springfield, Ill.

Geraniums, Nutt, J. Doyle, Perkins, Poitevine, Dbl. Gen. Grant, La Favorite, 2-in., $2; R. C., $1 per 100. Geo. M. Emmans, Newton, N. J.

Geraniums, leading vars. A. M. Herr, Lancaster, Pa.

GLOXINIAS.

Gloxinias. L. Van Houtte Pere, Ghent, Belgium.

GREENS.

Greens, dagger and fancy ferns, $1.25 per 1,000. Southern wild smilax, $7 per 50-lb. case; $4 per 25-lb. case. Bronze and Green galax, $1 per 1,000; $7.50 per case of 10,000. Laurel festooning, 5c and 6c per yd. Laurel wreaths, from $2 per doz. upwards. Princess pine, $7 per 100 lbs. Branch laurel, 50c per bunch. Henry M. Robinson & Co., 11 Province St., Boston.

Greens, Delaware Holly, per case 2x 2x4 ft., $3; Virginia, 2x2x4 ft., $2.75. Holly wreaths, 10c and 12c. Laurel roping, 3c per yd. H. L. Hubbs, 34th and Cumberland Sts., Philadelphia.

Greens, wreathing, standard, per coil, 20 yds., 60c; light weight, 50c; standard dyed, 60c; light weight, 50c. Wreaths, holly, Delaware, $1.10 per doz.; Southern, $1 per doz.; evergreen mixed, $1 per doz. Evergreen, plain, $1 per doz.; with immortelles, $1.10 per doz. Galax, green or bronze, 90c per doz.; with immortelles, $1 per doz.; magnolia wreaths, $1 per doz.; with immortelles, $1.10 per doz. Delaware holly, per crate, $4 to $4.50; Southern $3.25 to $3.75. Mistletoe, per lb., 20c. Needle pines, per doz., $1.50. Galax leaves, per 1,000, $1. California pepper boughs, per crate, $4.50. Magnolia leaves, per barrel, $6.50. H. Woods Co., 127 S. Water St., Chicago.

Greens, Delaware holly, single case, $4; 5 cases, $3.50 per case, prepaid; by express c. o. d., $3 per case. Holly wreaths, 14-in., by freight prepaid, $10 per 100, express c. o. d., $9 per 100. H. Austin, Felton, Del.

Greens, galax, leaves, ferns and leucothoe sprays, holly. Princess pine, all kinds of evergreens. Galax leaves, $1 per 1,000. N. Lecakes & Co., 53 W. 28th St., New York.

Greens, holly, bouquet green, laurel, mistletoe, needle pines, wreathing, holly and evergreen wreaths, etc. Vaughan's Seed Store, Chicago and New York.

Greens, cut palmetto and cycas palm leaves, galax, leucothoe, ferns, mosses and all decorating evergreens. The Kervan Co., 20 W. 27th St., New York.

Xmas trees, fine nursery grown balsam and spruce, 4 to 7 ft. high at very low prices to close, $10 per 100. Cash. Jos. Bancroft & Son, Cedar Falls, Iowa.

Greens, holly, holly wreaths, green wreathing, galax leaves, wild smilax, moss wreaths. C. C. Pollworth Co., Milwaukee, Wis.

Greens, holly, bouquet green, mistletoe, evergreen wreathing, etc. E. F. Winterson Co., 45-49 Wabash Ave., Chivago.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 52 W. 28th St., New York.

Greens, fancy ferns, $1 per 1,000. Galax, $1.25. Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Wreathing, light, $3; medium, $4 per 100 yds. Cash with order. Jos. Bancroft & Son, Cedar Falls, Iowa.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. A. J. Fellouris, 52 W. 28th St., New York.

Greens, mistletoe, boxwood and fancy sheet moss. Pittsburg Cut Flower Co., 222 Oliver Ave., Pittsburg, Pa.

Greens, evergreens, galax, ferns, decorative supplies, moss. Jno. P. Scherer, 636 Garden St., Union Hill, N. J.

Greens, bouquet green and Christmas trees. Northern Mich. Evergreen Nursery, Clark St. Bridge, Chicago.

Greens, Beaven's fadeless sheet moss, $3.50 per bag. Southern wild smilax. E. A. Beaven, Evergreen, Ala.

Greens, Southern wild smilax. Caldwell The Woodsman Co., Evergreen, Ala.

Greens, mistletoe. A. B. Silliman & Co., Boone, Ia.

HARDY PERENNIALS.

Iris Germanica, Mme. Chereau, Gracchus, Florentine, Socrates, Duchess de Nemours, Dr. Bernice and 20 others, $2.50 per 100; $22.50 per 1,000. Hemerocallis in 10 vars., $3.75 per 100; $30 per 1,000, Delphinium Belladonna, 1 yr., plants, $6.25 per 100; $57.50 per 1,000; 3 yr., clump, $8.75 per 100; $75 per 1,000. Chrysanthemum maximum King Edward, largest white Marguerite, strong from ground, $8.75 per 100. Lathyrus latifolius White Pearl, from ground, $12.50 per 100. Thos. S. Ware, Ltd., Feltham, England.

Hardy, perennial herbaceous plants, 50,000 field and pot grown. Ludvig Mosbaek, Onarga, Ill.

Hardy pinks, field-grown, Essex Witch, M. Gray, Abbottsford, 3½c. Byer Bros., Chambersburg, Pa.

If you do not find what you need in our Ready Reference Department, write us about it.

Hardy Perennials, German iris, asst. colors; golden glow (Rudbeckia), Boltonia, white and pink. $1 to $5 per 100 clumps. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Dielytra spectabilis, strong clumps, $8 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

HELIOTROPE.

Heliotrope, blue, 75c per 100 R. C. prepaid. Shippensburg Floral Co., Shippensburg, Pa.

Heliotrope. Nathan Smith & Son, Adrian, Mich.

HIBISCUS.

Hibiscus Syriacus Meehani. P. J. Berckmans Co., Inc., Augusta, Ga.

HOLLYHOCKS.

Hollyhocks, dbl., 4 colors, 1-yr., 3c. Eyer Bros., Chambersburg, Pa.

Hollyhocks, separate colors, $7.50. Perennials Gardens Co., Toledo, O.

HYDRANGEAS.

Hydrangeas, Otaksa and Thos. Hogg, 7-12 crowns, $12 per 100; 5-6, $9 per 100; 4, $7 per 100. Jackson & Perkins Co., Newark, N. Y.

Hydrangeas, pot-grown, 6-in., 25c; 7 to 8-in., 50c. G. Aschmann, 1012 Ontario St., Philadelphia.

IVY.

Ivy, hardy English, $2 per 100; $15 per 1,000. R. Vincent, Jr., & Son, White Marsh, Md.

JERUSALEM CHERRIES.

Jerusalem cherries, bushy, with berries, 5-in., 40c each; $3 per doz.; 6-in., 50c each; $5 per doz. Vaughan's Seed Store, Chicago and New York.

Jerusalem cherries, 6 to 7-in., $3 to $6 per doz. G. Aschmann, 1012 Ontario St., Philadelphia.

Jerusalem cherries, 5-in., 25c; 6-in., 50c each. Geo. A. Kuhl, Pekin, Ill.

Jerusalem cherries, 3½-in. in bloom, $4 per 100. J. W. Dunford, Clayton, Mo.

LANTANAS.

Weeping lantana, 2½-in., $3.50 per 100. Dingee & Conard Co., West Grove, Pa.

MANETTI STOCKS.

Manetti rose stocks. Thos. Meehan & Sons, Inc., Box F., Dreshertown, Pa.

MARANTAS.

Maranta Lietzii, 2½-in., $1 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

MUSHROOM SPAWN.

Mushroom Spawn, pure culture spawn, and importers of English mushroom spawn. Knud Gundestrup & Co., 4273 Milwaukee Ave., Chicago.

Mushroom spawn, Pure Culture, per 10 bricks, $1.50; 25 bricks, $3.50; 50 bricks, $6.50; 100 bricks, $12. W. C. Beckert, 103 Federal St., Allegheny, Pa.

Mushroom Spawn, English and pure culture, Weeber & Don, 114 Chambers St., New York.

Mushroom Spawn, frequent importations from England. J. J. Styer, Concordville, Pa.

NURSERY STOCK.

Nursery stock, shade trees, fruit trees, small fruits, shrubs, clematis, Barbary Thunbergii. W. & T. Smith Co., Geneva N. Y.

Nursery stock, trees and shrubs. Price list on application. Peterson's Nursery, 503 W. Peterson Ave., Chicago.

Nursery stock, evergreen and deciduous flowering shrubs and vines. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, large trees, oak, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, pot-grown shrubs, conifers and ornamental stock. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, Viburnum plicatum, hardy shrubs, vines and plants of all kinds. Dingee & Conard Co., West Grove, Pa.

Calycanthus, sweet shrub, 1½ to 2 feet transplanted, $5 per 100. The E. Y. Teas Co., Centerville, Ind.

Nursery stock, Biota, aurea, nana, conifers, oranges, etc. P. J. Berckmans Co. (Inc.), Augusta, Ga.

Nursery stock, deciduous trees and shrubs, evergreens. Cottage Gardens Co., Queens, L. I., N. Y.

Nursery stock, plants and shrubbery of all kinds. Dingee & Conard Co., West Grove, Pa.

Nursery stock, all kinds of hardy stock. Klehm's nurseries, Arlington Heights, Ill.

ORANGES.

Oranges, fine plants, $1.50, $2 each, depending on the number of ripe fruit, 25c per fruit. Vaughan's Seed Store, Chicago and New York.

ORCHIDS.

Orchids, C. Dowiana, C. Gigas, C. Mossiæ, C. Percivaliana, C. speciosissima, C. Eldorado, C. superba, C. labiata, C. Leopoldi. Lager & Hurrell, Summit, N. J.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England; New York office, room 1, 235 Broadway.

Orchids, imported seedlings. Julius Roehrs Co., Rutherford, N. J.

PALMS.

Palms, Kentia Fors., made-up, 1 large and 3 small in pot, 45 to 48, 25 to 30 ins., $2, $2.50; 6-in., single, 36 to 45 ins., 5 to 6 leaves, $1.25 to $1.75; 6-in., 32 to 36 ins., 5 to 6 lvs., $1; 5½ to 6-in., 30 ins., 5 lvs., 75c; 4-in., made-up, 3 plts. in pot, 18, 20 to 25 ins., 25c, 30c, 35c. Cocos Wed., 15c. Areca Lutescens, 5-in., 24 ins., made-up, 3 plts., 35c; 4-in. pots, 20 to 24 ins., 3 plts., 25c. Areca Sapida, 25 ins., 50c each. G. Aschmann, 1012 Ontario St., Philadelphia.

Palms, Cocos, 2-in., $2 per doz.; C. Bonetti, specimens, $40 each. Kentia Bel., 3-in., $2 per doz.; Kentia Fors, 7-in., $2 each; $24 per doz.; 7-in., X, $2.50 each; 7-in., XX, $3 each. Phœnix Can., 2-in., $1 per doz.; 10-in., $2.50 and $3 each; large specimens, Phœnix Recli., 3½-in., $2 per doz.; 4-in., $3 per doz. Latania Bor., 3-in., $1.50 per doz.; 3½-in., $2; 4-in., $3; 5-in., $5; 7-in., $12. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Palms, Chamærops excelsa, 2-in. pots, strong $3 per 100; 4-in. pots, strong, $15 per 100. Theodosia B. Shepherd Co., Ventura, Cal. W. H. Francis, Mgr.

Palms, Latania Bor., 4-in., $15 per 100. Kentia Bel., 5-in., $60 per 100. Storrs & Harrison Co., Painesville, O.

Palms of all kinds. R. Dreyer, Woodside, L. I., N. Y.

Palms. P. J. Berckmans Co. (Inc.), Augusta, Ga.

Palms. L. Van Houtte Pere, Ghent, Belgium.

PELARGONIUMS.

Pelargoniums, rooted cuttings, 15 named vars., $2.25 per 100 prepaid. S. D. Brant, Clay Center, Kans.

PANDANUS.

Pandanus Utilis, 3-in., per doz., $1.50; 4-in., per doz., $3; 5-in., per doz., $5. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

PANSIES.

Pansies, $3 per 1,000; 50c per 100. Jos. H. Cunningham, Delaware, O.

PEONIES.

Peonies, Prince Charles, Lord Salisbury, Duchess of Sutherland, Rosea maxima, Mme. Furtado, Philomile, Leonie, Mons. Boquil, Festiva, Hypatia, Mons. Rousselon, Mme. Moreau, 1 yr., $1.50 per doz.; $10 per 100; 2 yr., $2 per doz.; $15 per 100. Thos. S. Ware, Ltd., Feltham, England.

Peonies, choice kinds, Festiva Maxima, Felix Crousse, Queen Victoria, etc., at lowest rates. Fine mixed sorts, $5 per 100. The E. Y. Teas Co., Centerville, Ind.

Peonies, Queen Victoria, $9 per 100. Festiva Maxima, $30 per 100; Fragrans, $6 per 100. G. H. Wild, Sarcoxie, Mo.

Peonies a specialty. Peterson Nursery, 503 W. Peterson Ave., Chicago.

Peonies, all vars. Jacs Smits, Ltd., Naarden, Holland.

Peonies. W. & T. Smith Co., Geneva, N. Y.

PEPPERS.

Celestial peppers, 5-in., $3 per doz.; $20 per 100; 6-in. pans, 3 plts. in pan, $5 per doz.; $35 per 100; 7-in. pans, 4 plts. in pan, $9 per doz. Vaughan's Seed Store, Chicago and New York.

Peppers, 5-in., 25c; 7-in., 50c; 8-in., $1 each. Geo. A. Kuhl, Pekin, Ill.

PETUNIAS.

Petunias, young stock. Nathan Smith & Son, Adrian, Mich.

POINSETTIAS.

Poinsettias, 6-in. pans, 3 plts. in pan, $1 each; $10 per doz.; 7-in., 3 plts., $1.25 each; $12 per doz.; 8-in., 5 plts. in pan, $2 each; $24 per doz.; 10-in., 6 plts. in pan, $3 each; $36 per doz. Vaughan's Seed Store, Chicago and New York.

PRIMULAS.

Primroses, Chinese and obconica, 4-in., $6 per 100; 3-in., $3 per 100. Hill Top Greenhouses, Utica, N. Y.

Primulas, Chinese, 4-in., $12.50. Obconica, 4-in., $12.50. Baby, 4-in., $12.50. Geo. A. Kuhl, Pekin, Ill.

Primroses, obconica, alba and rosea, $1.50 per 100; $12 per 1,000. Jos. H. Cunningham, Delaware, O.

Primroses, 4-in., $10 per 100; 5¼-in., $2 per doz. G. Aschmann, 1012 Ontario St., Philadelphia.

Primula obconica, 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

PRIVET.

Privet, California, the best. R. Dreyer, Woodside, L. I., N. Y.

RHODODENDRONS.

Rhododendrons, leading forcing vars., 18 to 20 ins. high, full of buds, $9 per doz.; 20 to 24 ins., $12 per doz. Storrs & Harrison Co., Painesville, O.

Rhododendrons, 50c and 75c each. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Rhododendrons. Jacs Smits, Ltd., Naarden, Holland.

Rhododendrons. Cottage Gardens Co., Queens, L. I., N. Y.

ROSES.

Roses, Baby Rambler, 1st size, 2 yr., $3 per doz.; $25 per 100; $200 per 1,000. 2nd size, 2 yr., $2.50 per doz.; $20 per 100; $150 per 1,000; 1st size, 1 yr., $2 per doz.; $15 per 100; $120 per 1,000. Pot-grown, 4-in., $3 per doz.; $20 per 100. 5-in., $5 per doz.; $40 per 100. 6-in., $6 per doz., $50 per 100. Etoile de France, 1-yr., dormant, $2 per doz.; $15 per 100. Richmond, 3-in., $8 per 100; $75 per 1,000; 4-in., $12 per 100; $100 per 1,000. Killarney, 3-in., $8 per 100; $75 per 1,000; 4-in., $12 per 100; $100 per 1,000. H. P. roses and Crimson Ramblers. Vaughan's Seed Store, Chicago and New York.

Roses, home grown, Baby Rambler, $2.50 per doz.; $20 per 100. Hermosa, $1.65 per doz.; $12.50 per 100. C. Soupert, $1.65 per doz., $12.50 per 100. Imported, extra heavy hybrid perpetuals, all vars., $1.50 per 10; $12.50 per 100. Baby Rambler, $2 per 10; $17.50 per 100; Crimson Rambler, $1.75 per 10; $15 per 100. Perennial Gardens Co., Toledo, O.

Roses, rooted cuttings, Am. Beauty, $3 per 100; $25 per 1,000. Kaiserin, Carnot, La Detroit, $2.50 per 100; $20 per 1,000. Bassett & Washburn, 76 Wabash Ave., Chicago.

If you do not find what you need in our Ready Reference Department, write us about it.

Roses, 2-yr., field-grown, hybrid perpetuals, $10 and $12 per 100; Crimson Rambler, $9 per 100; Dorothy Perkins, $7 per 100. Lady Gay, 2½-in. pots only. Jackson & Perkins Co., Newark, N. Y.

Roses, R. C. Bride, Maid, Gate, Chatenay, $1.50 per 100; $12.50 per 1,000. Richmond, $2 per 100; $18 per 1,000. W. H. Gullett & Sons, Lincoln, Ill.

Rose, Queen Beatrice, finest forcing pink, to be disseminated spring of 1907. F. H. Kramer, 916 F St., N. W., Washington, D. C.

Roses, from 2½-in. pots, Ivory, G. Gate, Bride, Maid, Chatenay. Mrs. J. W. Crouch, 709 Market St., Chattanooga, Tenn.

Roses, C. Soupert, Marie Pavie, C. Rambler, Dorothy Perkins. P. J. Berckmans Co. (Inc.), Augusta, Ga.

Roses, H. P's, H. T's, T's, R's, Cl's, B., etc., 101 best sorts, own roots. Leedle Floral Co., Springfield, O.

Roses, 1,000 varieties, from 2½, 4 and 5-in. pots, own roots. Dingee & Conard Co., West Grove, Pa.

Roses, Crimson, Rambler, 4 to 7 ft., $10 per 100; No. 2's, $6 per 100. C. M. Niuffer, Springfield, O.

Roses, Dorothy Perkins, strong field plants, $7 per 100. The E. Y. Teas Co., Centerville, Ind.

Roses, field-grown for forcing. W. & T. Smith Co., Geneva, N. Y.

Roses, climbing plants. Jacs Smits, Ltd., Naarden, Holland.

Roses, from 3-in. pots. Wood Bros., Fishkill, N. Y.

SALVIAS.

Salvia Bonfire, R. C., 75c per 100 prepaid. Shippensburg Floral Co., Shippensburg, Pa.

SEEDS.

Seeds, palms, Kentia Fors., K. Bel., $1.25 per 1,000. Canterburyana, $3 per 1,000. Moorei, $12 per 1,000. Areca Baueri, $1 per 1,000. Seaforthia elegans, 50c per 1,000. Livistona australis, 50c per 1,000. Bacularia monostachya, $1.50 per 1,000. Gymnostachys anceps, $2 per 1,000. Calamus Muelleri, $1.50 per 1,000. Tree Seeds, Castanospermum australe, $5 per 1,000. Araucaria excelsa, $1.25 per 1,000. J. Staer, Wahroonga, N. S. W., Australia.

Seeds, beets, cabbage, Cannon Ball and Rocky Ford muskmelon, watermelon, Bermuda and Calif. onion, okra, mustard, French and Calif. grown, radish, tomato, Mexican June corn, Kaffir corn, German millet, dwf. yel. Milo Maize, sugar cane, winter barley, Red Rust Proof oats, cotton seed, Whip. and white black-eyed field peas, Spanish peanuts, Johnson and Bermuda grass. Texas Seed and Floral Co., Dallas, Tex.

Seeds, Asparagus, A. plumosus nanus, Northern greenhouse grown seed, 100 seeds, 60c; 250 seeds, $1.25; 1,000 seeds, $4.50. Southern greenhouse grown, 1,000 seeds, $2.50; 5,000 seeds, $10. A. plumosus robustus, 100 seeds, $1; 1,000 seeds, $9. Decumbens, 100 seeds, 50c; 1,000 seeds, $4. Comorensis, 100 seeds, $1; 1,000 seeds, $7.50. Cash discount 2 per cent. Vaughan's Seed Store, Chicago and New York.

Seeds, sweet peas, Earliest White, per pkt (40 seeds), 25c; 5 pkts., 75c net. ½ size pkts., 15c; 2 pkts., 25c; 10 pks., 75c. Burpee's Earliest of All, per oz., 10c; ¼ lb., 30c; per lb., $1. W. Atlee Burpee & Co., Philadelphia.

Seeds, L. C. Nungesser, Griesheim near Darmstadt, Germany, exporter and importer. Specialties: Selected grass and clover seeds, alfalfa of Provence and Turkestan; free from dodder and cuscuta. Crimson clover.

Seeds, Suhr's genuine Danish Cauliflower, Dwarf Erfurter and Danish Giant; Cabbage, Danish, Ball Head. Wholesale only. Write for particulars. S. Suhr, Copenhagen, Denmark.

Seeds, Primula Sinensis, herbaceous calceolaria, etc. H. B. May & Sons, Upper Edmonton, London, Eng.

Seeds, Rawson's mammoth Verbena, all colors and mixed, per oz., $1; ¼ oz., 30c. W. W. Rawson & Co., 5 Union St., Boston.

Seed, Asparagus plumosus, 1,000 seeds, $2; 6,000, $10; 13,000, $20; 25,000, $35; 50,000, $65; 100,000, $110. F. G. Taylor Seed Co., Inc., Box 99, Glendale, Cal.

Seeds. mignonette, New York Market. Sweet peas, pink and white. Tomato, The Don, Stirling Castle. Weebeer & Don, 114 Chambers St., New York.

Seeds, specialties, beans, cucumber and tomato, radish, peas, muskmelon, sweet corn and squash. S. M. Isbell & Co., Jackson, Mich.

Seeds, all kinds, specialties, onion, carrot, lettuce, sweet peas. Pacific Seed Growers' Co., 109 Market St., San Francisco.

Seeds, cabbage and cauliflower. Hjalmar Hartmann & Co., 12 Stormgade, Copenhagen, 31 Barclay St., New York.

Seeds, high grade grass, clover, agricultural and forest tree seeds. Conrad Appel, Darmstadt, Germany.

Seeds, all kinds of vegetable and flower seeds. C. C. Morse & Co., 171 Clay St., San Francisco.

Seeds of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Seeds, vegetable and flower. A. J. Pieters Seed Co., Hollister, Cal.

Seeds, all kinds. John Scheepers & Co., New York.

Seeds, Snowball cauliflower. R. Wibolt, Nakskov, Denmark.

Seeds. W. Atlee Burpee Co., Philadelphia, Pa.

SMILAX.

Smilax, 2-in., strong, $1 per 100; $9 per 1,000. C. Humfeld, Clay Center, Kan.

Smilax, 3-in., $4 per 100; $35 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Smilax, $2 per 100; $15 per 1,000. R. Vincent, Jr., & Son, White Marsh, Md.

Smilax. Wood Bros., Fishkill, N. Y.

SPIREAS.

Spireas, japonica, strong clumps, $3.50 per 100; Astilboides Floribunda, $4 per 100; Compacta Multiflora, $4 per 100; Gladstone, $6.50 per 100. J. M. Thorburn & Co., 33 Barclay St., New York.

Astilbe, or spirea, Gladstone, $8 per 100; Astilboides floribunda and Japonica, $5 per 100; Compacta, multiflora, $6 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Spireas, Japonica, $4 per 100. Nana compacta, $4 per 100. Ast. floribunda, $4.25 per 100. Gladstone, $6.50 per 100. Storrs & Harrison Co., Painesville, O.

Spirea Van Houttei. W. & T. Smith Co., Geneva, N. Y.

Spireas. Jacs Smits, Ltd., Naarden, Holland.

VEGETABLE PLANTS.

Forcing rhubarb, undiv. clumps, $2 per doz.; 25 for $3.75; $12 per 100; $100 per 1,000. Stokes Seed Store, 219 Market St., Philadelphia.

VERBENAS.

Verbenas, mix. R. C., 60c per 100 prepaid. Shippensburg Floral Co., Shippensburg, Pa.

Verbenas, 60 named vars., Rooted cuttings, 75c per 100; $6 per 1,000. Plants, $2.50 per 100; $20 per 1,000. J. L. Dillon, Bloomsburg, Pa.

VINCAS.

Vinca Minor, Hardy periwinkle, good clumps, $1.50 per 100; $10 per 1,000. The E. Y. Teas Co., Centerville, Ind.

Vinca Var., rooted cuttings, $1 per 100; $7.50 per 1,000. Holton & Hunkel Co., Milwaukee, Wis.

Vinca Var., R. C., 90c per 100 prepaid. Shippensburg Floral Co., Shippensburg, Pa.

Vinca Var., 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

Vinca Var., R. C. Shippensburg Floral Co., Shippensburg, Pa.

VIOLETS.

Violets, Lady Hume Campbell, Princess of Wales, Swanley White, Admiral Avellan, Luxonne, from 2½-in. pots, $3.50 per 100; $30 per 1,000. Dingee & Conard Co., West Grove, Pa.

Violets, Gov. Herrick, new single violet, good keeper; rooted cuttings $2 per doz.; $10 per 100; $75 per 1,000; 5,000 or more, $60 per 1,000. H. R. Carlton, Willoughby, O.

Violets. Wood Bros., Fishkill, N. Y.

WISTARIAS.

Wistaria Magnifica, 3-yr., strong, $3 per 100. The E. Y. Teas Co., Centerville, Ind.

WHOLESALE CUT FLOWERS.

Commission Dealers.

Allen, J. K., 106 W. 28th St., New York.

Amling, E. C., 32-36 Randolph St., Chicago.

Berning, H. G., 1402 Pine St., St. Louis.

Cleveland Cut Flower Co., 215 Huron road, Cleveland, O.

Deamud, J. B., Co., 51 Wabasn Ave., Chicago.

Eberman, C. W., 53 W. 30th St., New York.

Flower Growers' Market, 60 Wabash Ave., Chicago.

Ford Bros., 48 W. 28th St., New York.

Froment, Horace E., 57 W. 28th St., New York.

Guttman, Alex. J., 43 W. 28th St., N. Y.

Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Henshaw, A. M., 52 W. 28th St., New York.

Horan, Edward C., 55 W. 28th, N. Y.

Hunt, E. H., 76 Wabash Ave., Chicago.

Kennicott Bros. Co., 40-44 Randolph St., Chicago.

Kessler, Phil. F., 55 W. 26th St., N. Y.

Kuehn, C. A., 1122 Pine St., St. Louis.

Langjahr, Alfred H., 55 W. 28th St., New York.

McCullough's Sons Co., J. M., 316 Walnut St., Cincinnati, O.

McKellar, Chas. W., 51 Wabash Ave., Chicago.

McKissick, W. E., 1221 Filbert St., Philadelphia.

Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Murdoch, J. B. & Co., 745 Liberty Ave., Pittsburg, Pa.

N. Y. Cut Flower Ex., Coogan Bldg., 6th Ave. and W. 26th St., New York.

Niessen Co., Leo, 1217 Arch St., Phila.

Pennock-Meehan Co., 1608-18 Ludlow St., Philadelphia.

Pittsburg Cut Flower Co., Ltd., 222 Oliver Ave., Pittsburg, Pa.

Pittsburg Florists' Exchange, 217-223 Diamond St., Pittsburg, Pa.

Pollworth, C. C. Co., Milwaukee, Wis.

Randall, A. L. Co., 19 Randolph St., Chicago.

Raynor, John I., 49 W. 28th St., N. Y.

Rice Bros., 128 N. 6th St., Minneapolis, Minn.

Robinson, Henry M., & Co., 11-15 Province St., Boston.

Seligman, John, 56 W. 26th St., N. Y.

Sheridan, Walter F., 39 W. 28th St., New York.

Smith & Co., W. C., 1316 Pine St., St. Louis, Mo.

Traendley & Schenck, 44 W. 28th St., New York.

Vaughan & Sperry, 58-60 Wabasn Ave., Chicago.

Welch Bros., 226 Devonshire St., Boston.

Winterson, E. F. Co., 45-49 Wabash Ave., Chicago.

Young, A. L. & Co., 54 W. 28th St., New York.

Young, Thos., 43 W. 28th St., N. Y.

Zech & Mann, 51 Wabash Ave., Chicago.

If you do not find what you need in our Ready Reference Department, write us about it.

Growers.

Bassett & Washburn, 76-78 Wabash Ave., Chicago.

Benthey-Coatsworth Co., The, 35 Randolph St., Chicago.

Bruns, H. N., 1409-11 W. Madison St., Chicago.

Budlong, J. A., 37-39 Randolph St., Chicago.

Chatogue Greenhouses, Mobile, Ala.

Dittman, Wm., New Castle, Ind.

Elliott, W. H., Brighton, Mass.

Hill, The E. G. Co., Richmond, Ind.

Jensen & Dekema, 674 W. Foster Ave., Chicago.

Peacock Dahlia Farms, Atco, N. J.

Poehlmann Bros. Co., 35-37 Randolph St., Chicago.

Reinberg, Peter, 51 Wabash Ave., Chicago.

Scheiden & Schoos, 60 Wabash Ave., Chicago.

Sinner Bros., 60 Wabash Ave., Chicago.

Weiland & Risch, 59 Wabash Ave., Chicago.

Wietor Bros., 51 Wabash Ave., Chicago.

Wilcox, J. F., Council Bluffs, Iowa.

Wittbold, Geo. Co., 1657 Buckingham Place, Chicago.

RETAIL CUT FLOWERS.

Atlanta Floral Co., 41 Peachtree St., Atlanta, Ga.

Bertermann Bros. Co., 241 Massachusetts Ave., Indianapolis, Ind.

Blackistone, 14th and H Sts., N. W., Washington, D. C.

Boland, J. B. Co., 47-49 Geary St., San Francisco.

Breitmeyer's Sons, John, cor. Miami and Gratiot Aves., Detroit, Mich.

Cooke, George H., Connecticut Ave. and L. St., Washington, D. C.

Daniels & Fisher, Denver, Col.

Donohoe, W. H., 2 W. 29th St., N. Y.

Eyres, H. G., 11 N. Pearl St., Albany, N. Y.

Gude, A. & Bro., 1214 F St., Washington, D. C.

Hansen, Mrs. M. A., Galveston, Tex.

Hauswirth, P. J., Audit. Annex, Chi.

Hess & Swoboda, 1415 Farnum St., Omaha, Neb.

Holm & Olson, St. Paul, Minn.

Keller, J. B., Sons, 25 Clinton St., Rochester, N. Y.

Kellogg, Geo. M., 906 Grand Ave., Kansas City, Mo.; also Pleasant Hill, Mo.

Lange, A., 40 E. Madison St., Chicago.

Livingston Seed Co., Columbus, O.

Matthews, 16 W. 3rd St., Dayton, O.

Mayberry & Hoover, 1339 14th St., N. W., Washington, D. C.

Miller, Theo., 4832 Delmar Blvd., St. Louis, Mo.

Mills The Florist, 36 W. Forsythe St., Jacksonville, Fla.

Murray, Samuel, Coates House Con., 1017 Broadway, Kansas City, Mo.

Park Floral Co., The, Denver, Col.

Palmer's, Buffalo, N. Y.

Schulz, J., 644 4th Ave., Louisville, Ky.

Virgin, Uriah J., 833 Canal St., New Orleans, La.

Weber, Fred C., 4320-28 Olive St., St. Louis, Mo.

Wilcox, J. F. Council Bluffs, Iowa.

Wilson, Robt. G., Fulton St. and Greene Ave., Brooklyn, N. Y.

ARTIFICIAL FLOWERS.

Artificial poinsettias, 12 ins., diam., 18-in. stem. J. Schroeder, 344 Ontario St., Cleveland, O.

BOILERS.

Boilers, improved greenhouse boilers, made of best material; shell firebox sheets and heads of steel; water space all around (front, sides and back). Kroeschell Bros. Co., 45 Erie Street, Chicago.

Boilers, Gurney heaters, heat by steam or hot water. Gurney Heater Mfg. Co., 111 5th Ave., New York; 74 Franklin St., Boston.

Boilers, the Burnham boilers, made for greenhouse heating. Lord & Burnham Co., 1133 Broadway, New York.

Boilers, corrugated, fire box and sectional, greenhouse heating. Hitchings & Co., 1170 Broadway, New York.

Boilers, boilers of high grade for greenhouses. Steam and hot water. Giblin & Co., Utica, N. Y.

Boilers of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Boilers, water tube steam boilers. King Construction Co., N. Tonawanda, N. Y.

Boilers, write for prices. Johnston Heating Co., 1133 Broadway, N. Y.

Boilers, Myers & Co., 1122 Betz Bldg., Philadelphia.

BOXES.

Cut Flower Boxes, water-proof, corner lock style. No charge for printing on orders above 250 boxes. Livingston Seed Co., Columbus, O.

Cut Flower Boxes; send for prices. Edwards Folding Box Co., Philadelphia, Pa.

BUILDING MATERIAL.

Building material, lumber for greenhouse benches. Ship lap, drop siding, sheating, flooring, white cedar posts, etc. We are in special position to furnish 'Pecky Cypress"; everything in pine and hemlock building lumber. Adam Schilio Lumber Co., cor. Weed and Hawthorn Sts., Chicago.

Building Material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouses and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building Material, cypress sash bars, Tennessee red cedar posts, pecky cypress benches, hotbed sash and frames, ventilating apparatus, pine, fittings and all supplies needed in new or reconstruction work. Foley Mfg. Co., 471 W. 22d St., Chicago.

Building Material, cypress sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 111-125 Blackhawk St., Chicago.

Building Material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 617 Sheffield Ave., Chicago.

Building Material for U-Bar greenhouses. Pierson U-Bar Co., Metropolitan Bldg., 4th Ave. and 23d St., N. Y.

Building Material of all descriptions, cold frames, hotbed sash, etc. Lord & Burnham Co., 1133 Broadway, N. Y.

Building Material, cold frames, hotbed sash of every description. Hitchings & Co., 1170 Broadway, New York.

Greenhouse materials of all kinds for greenhouse heating. Johnston Heating Co., 1133 Broadway, New York.

Building material, yellow pine boards cut to exact lengths. L. L. Satler Lumber Co., Pittsburg, Pa.

Building Material of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Building Material of all kinds. S. Jacobs & Sons, 1365-79 Flushing Ave., Brooklyn, N. Y.

CONCRETE MACHINES.

Ideal Concrete Machines for concrete block construction. Ideal Concrete Machinery Co., Dept. Y., South Bend, Ind.

CUT FLOWER HOLDER.

The Anglais table decoration, made in sections, can be adjusted to any form desired. "Japana" flower holder, 4½-in., 50c; 6½-in., 35c; 2½, 25c. M. V. Garnsey, 131 So. Waiola Ave., La Grange, Ill.

FERTILIZERS.

A sample 100-lb. bag of BLATCHFORD'S PLANT GROWER AND LAND RENOVATOR FERTILIZER only $2.75. It is composed solely of pure Rose Growers' Bone Meal, Nitrate of Soda, Peruvian Guano, Sulphate of Ammonia, Sulphate of Potash and Gypsum, in the correct proportions. For benches and potting plants, roses, carnations, lilies, 'mums, etc., it has never been surpassed. Address

THE BARWELL AGRICULTURAL WORKS, WAUKEGAN, ILL.

Est. at Leicester, England, in 1800.

Wizard Brand pulverized sheep manure. The Pulverized Manure Co., 32 Exchange Ave., Chicago.

GLASS.

Glass importers and jobbers; greenhouse glass a specialty. Window glass. James H. Rice, corner Michigan St., Clair and Illinois Sts., Chicago.

Glass, a lot of 16x18 A and B double strength at low price. A. Dietsch Co., 617 Sheffield Ave., Chicago.

Glass, window glass. Greenhouse glass a specialty. H. M. Hooker Co., 59 W. Randolph St., Chicago.

Glass, French and American "White Rose" brand. Stenzel Glass Co., 2 Hudson St., New York.

Glass, all sizes. Metropolitan Material Co., 1398 Metropolitan Ave., Brooklyn, N. Y.

Glass, all kinds and sizes. Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.

Glass, special greenhouse. G. F. Reynolds, Durhamville, N. Y.

GLAZING POINTS.

Glazing Points, see the point? Holds glass firmly. Peerless glazing points are the best. No rights or lefts. Box of 1,000 points, 75c, postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Siebert's zinc never rust glazing points, 2 sizes, ⅝ and ⅞, 40c per lb. 16c extra by mail; 7 lbs., $2.50; 15 lbs., $5 by express. Siebert Co., Baum and Beatty Sts., Pittsburg, Pa.

GOLD FISH.

Gold Fish, Comets, Japanese Fantails, Fringetails, Telescopes, etc. Fish globes and aquariums. The J. M. McCullough's Sons Co., 316 Walnut St., Cincinnati, O.

Goldfish aquaria and aquarium supplies. Fred. Kaempfer, 88 State St., Chicago.

GREENHOUSE CONSTRUCTION.

Greenhouse Construction, builders of greenhouses for private estates, institutions, parks, etc. Pierson U-Bar Co., Metropolitan Bldg., 4th Ave. and 23d St., New York.

Greenhouse Construction, sash bar greenhouses. New Truss construction and iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse Construction, builders of every type of greenhouses; the most modern designs. Hitchings & Co., 1170 Broadway, N. Y.

Greenhouse Construction, builders of modern greenhouses. Myers & Co., 1122 Betz Bldg., Philadelphia.

GUTTERS.

Gutters, Jennings' improved iron gutters. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

Gutters, Garland's gutters will keep snow and ice off your glass. A sample of our gutter is on exhibition at Chicago Flower Growers' Market. Geo. M. Garland, Des Plaines, Ill.

Gutters, Lord & Burnham Improved V-shape gutter, with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

Gutters, new duplex gutter, only drip-proof gutter on the market. E. Hippard, Youngstown, O.

INSECTICIDES.

Insecticides, Carman's Antipest insecticide and fungicide, $1.50 per gal. Perfection Chem. Co., Flushing, N. Y.

If you do not find what you need in our Ready Reference Department, write us about it.

Insecticides, tobacco paper, 24 sheets, 75c; 144, $3.50; 288, $6.50; 1,728, $35.10. Nico-Fume Liquid, ¼ pint, 50c; pint, $1.50; ½ gal., $5.50; gal., $10.50; 5 gal., $47.25. Kentucky Tobacco Product Co., Louisville, Ky.

Insecticides, Nicoteen Aphis Punk, 60c per box 12 sheets; $6.50 per case of 12 boxes. Nikoteen Liquid, $1.50 per pint; $13 per case of 10 pints. Nicotine Mfg. Co., St. Louis, Mo.

Wilson's Plant Oil, for scale and insects, ½ pt., 25c; pt., 40c; qt., 75c; ½ gal., $1.25; gal., $2; 5 gals., $9. Andrew Wilson, Summit, N. J.

Insecticides, Hasco liquid nicotine, pts., $1.35; half gal., $5.25; gal., $10. H. A. Stoothoff Co., 116 West St., New York.

Fumigating Supplies, vaporizing pans for tobacco extract, improved. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

Fumigating supplies, tobacco stems, 300 lb. bales, $1.50. W. C. Beckert, 103 Federal St., Allegheny, Pa.

Insecticide, Nicoticide, Bug Killer, the best bug killer and bloom saver. P. R. Palethorpe Co., Louisville, Ky.

LAWN MOWERS.

Lawn Mower. The Clipper lawn mower, No. 1, 12-in., $5; No. 2, 15-in., $6; No. 3, 18-in., $7; No. 4, 20-in., $8. Draft, money order or reg. letter. Clipper Lawn Mower Co., Dixon, Ill.

METAL DESIGNS.

Metal signs, send for prices. A. Herrmann, 404-12 E. 34th St., New York.

MISCELLANEOUS.

Florists' overdue accounts and bad debts collected by the National Florists' Board of Trade, 56 Pine St., N. Y.

Engravings, best engravings and illustrations of every description for catalogues. Send for estimates. Globe Eng. & Elec. Co., 427 Dearborn St., Chicago.

Printing, large runs of catalogues a specialty. Write for figures. Regan Printing House, 89-91 Plymouth Place, Chicago.

PAINT, PUTTY, ETC.

Paint, Ideal Greenhouse Lead; Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, N. Y.

Paint, Putty, etc. H. M. Hooker Co., 59 W. Randolph St., Chicago.

Paint, Putty, etc. The Jas. H. Rice Co., 80-82 Wabash Ave., Chicago.

PIPE, FITTINGS, ETC.

Pipe, iron fittings, etc., galvanized iron sash hinges, screw eyes, screw hooks, U bolts, galvanized iron buckles and wires. Fittings for purlin and ridge supports. Foley Mfg. Co., 471 W. 22d St., Chicago.

Iron Fittings, patent iron bench fittings and roof supports. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

Pipes, valves, fittings of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

A Bargain, 4-in. cast iron pipes, 5 foot lengths at 12c per foot. C. C. Pollworth Co., Milwaukee.

Iron Fittings, etc.; send for prices. Lockland Lumber Co., Lockland, O.

POTS, PANS, ETC.

Pots, standard, seed pans, cut flower cylinders, hanging baskets, lawn vases, etc. Hilfinger Bros. Pottery, Ft. Edward, N. Y.

Pots, standard flower pots. The Whildin Pottery Co., Philadelphia, Pa.; Jersey City, N. J.; Long Island City, N. Y.

Pots, before buying write for prices. Geo. Keller & Son, 361-63 Herndon St., near Wrightwood Ave., Chicago.

Pots, red standards, full size and wide bottoms. Detroit Flower Pot Mfy., 490 Howard St., Detroit, Mich.

Pots, red standard, azalea pots. The Keller Pottery Co., 213-223 Pearl St., Norristown, Pa.

Pots, red standard. Paducah Pottery Co., Paducah, Ky.

Pots, pots of all kinds. A. H. Hews & Co., No. Cambridge, Mass.; Long Island City, N. Y.

Pot hangers, Kramer's $1 doz. by exp., $1.25 by mail. I. N. Kramer & Son, Cedar Rapids, Ia.

Pots, Syracuse, red, Syracuse Pottery Co., Syracuse, N. Y.

Pots, all sizes. Ionia Pottery Co., Ionia, Mich.

PRUNING SHEARS.

Pruning shears, Rhodes double cut. Rhodes Mfg. Co., Grand Rapids, Mich.

PUMPING ENGINES.

Pumping Engines, two streams of water for 1 hour cost 2 cents if you use a Standard pumping engine. The Standard Pump & Engine Co., Cleveland, O.

SEED CASES.

Seed cases, Heller's mice proof. W. C. Heller & Co., Montpelier, O.

STEAM TRAPS.

Steam Traps, the Standard return steam trap has no equal for its simplicity of working. E. Hippard, Youngstown, O.

SUPPLIES.

Supplies and novelties of all kinds. J. Stern & Co., 125 N. 10th St., Philadelphia.

Supplies, flower baskets, novelties. Riessner Bros., Lichtenfels, Bavaria.

Supplies, milkweeds, wire designs, cut wire, all kinds of letters, immortelles, cycas leaves, sheaves of wheat, ribbons, corrugated boxes of all kinds. Henry M. Robinson & Co., 8-11 Province St., Boston, Mass.

Supplies, terra cotta grass growing heads and animals, fish globes, fish tanks, acquaria, Bohemian glassware, imported china, French glass shades, all shapes. Nicolas Wapler, 50 Barclay St., New York.

Supplies, Xmas bells, pot covers, crepe paper, chiffon, gold letters, immortelles and wreaths. C. C. Pollworth Co., Milwaukee, Wis.

Supplies, cape flowers, cycas leaves, metal designs and all florists' supplies. A. Herrmann, 404-12 E. 34th St., New York.

Supplies, importers and manufacturers of florists' supplies. L. Baumann & Co., 78 Wabash Ave., Chicago.

Supplies, importers and manufacturers of florists' supplies. Reed and Keller, 122 W. 25th St., New York.

Supplies, wire designs, etc. The Cleveland Cut Fower Co., 215 Huron road, Cleveland, O.

Supplies, wire designs. Pittsburg Florists' Ex., 228 Diamond St., Pittsburg, Pa.

Supplies, ribbons and violet ties. Wm. B. Lake, 2535 N. 34th St., Philadelphia.

Supplies of all kinds. E. F. Winterson Co., 45 Wabash Ave., Chicago.

A HOLLY WREATH

FOR HOLIDAY CIRCULARS AND ADVERTISING : : : :

Plates for printing this fine Holly Wreath in two colors—green leaves and red berries and ribbon—$5.00 per set of two plates.
Smaller size, 2x2½ inches, $3.00 per set of two plates.
Plate of above sizes for one color, $2.70. The smaller size, one color, $1.50.

Cash with order.

American Florist Company,
324 Dearborn Street, CHICAGO.

If you do not find what you need in our Ready Reference Department, write us about it.

THE STANDARD

VENTILATING MACHINERY

The original machine with self-oiling cups. The most powerful, least complicated, very compact, with ease of operation.

The New Duplex Gutter

Over six miles in use and highly recommended by all. The only **Drip Proof** gutter on the market.

The Standard Return Steam Trap

It has no equals for simplicity or its working. Catalogue free.

E. HIPPARD, Youngstown, Ohio.

Please mention the American Florist when writing

Carman's Antipest

INSECTICIDE AND FUNGICIDE

For the Garden, Orchard and Greenhouse.

Non-poisonous and harmless to vegetation.

Kills Green Fly, Aphides, Bark Lice, Thrip, Mealy Bug, Red Spider, Scale, Wire Worms, Ants and Slugs.

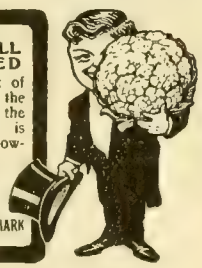
This is the Grower's Friend, handy to use, cheap and effective, mixes readily in water. Destroys all insect pests and keeps down filth. Circulars on application. **$1.50 per gallon.** Also in quarts, half gallons and in bulk.

PERFECTION CHEMICAL CO., FLUSHING, N. Y.

WIBOLTT'S SNOWBALL CAULIFLOWER-SEED

No. 34 is the earliest of all Snowballs, the most compact, the surest header, is giving the largest and snow-whitest heads, and is the best keeper in dry-weather. Demand it through your seed-firm or direct from

R. WIBOLTT, NAKSKOV, DENMARK



Please mention the American Florist when writing.

SIEBERT'S ZINC Never Rust GLAZING POINTS

Are positively the best. Last forever. Over 16,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes, ⅝ and ⅞. **40c** per lb.; by mail, 16c extra; 7 lbs. for **$2 50**; 15 lbs. for **$5.00** by express. For sale by the trade.

Siebert Company, Baum and Beatty Sts., PITTSBURG, PA.

STENZEL GLASS CO.,

GREENHOUSE GLASS.

French and American "WHITE ROSE" Brand.

2 Hudson St., NEW YORK.

H. M. HOOKER CO.

Window Glass, Paints and Putty. Greenhouse Glass a Specialty.

59 W. Randolph St., CHICAGO.

Gold Fish Aquaria

and Aquarium Supplies.

Write for catalogue.

FRED KAEMPFER

88 State Street, CHICAGO, ILL.

THE HEART OF THE MATTER IS ALL HEART SUN DRIED CYPRESS

GREENHOUSE MATERIAL

IS THE VERY BEST—

FOLEY MFG. CO. 471 W. 22ND ST. CHICAGO,

HAVE IT, RIGHT FROM THE GULF OF MEXICO, AND WILL MAKE YOU RIGHT PRICES—

SEND FOR SKETCHES ESTIMATES AND CATALOGUE FREE—

HOT-BED SASH. VENTILATING APPARATUS, FITTINGS AND MANY OTHER THINGS—

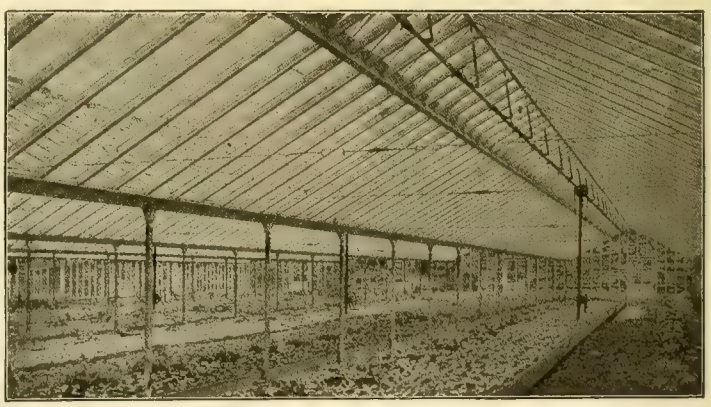
If you are having delay in getting your roof material, send your orders TO US and don't be in trouble. We will handle any order in the time agreed. Try us.

FOLEY MANUFACTURING COMPANY,

471 W. 22nd Street, : : : CHICAGO.

Please mention the American Florist when writing.

Material for our Patent Short Roof Houses as per cut and all other styles of Construction, either of Washington Red Cedar or Louisiana Cypress.



Dietsch & Co.'s Short Roof Style of Houses Can be seen at George Reinberg, 304 Belmont Avenue, Chicago.

Quality Invariably the Best that Can Be Produced.

A. DIETSCH COMPANY, Patentees

617 Sheffield Ave., CHICAGO, ILL.

You Know We Moved to 125 N. 10th St.,

into our large building. We can supply you with all

CHRISTMAS GOODS

Such as **Cycas, Magnolia Wreaths, Bells, Immortelles, Etc.**

—Keep your "I" on the Enterprising Supply House of—

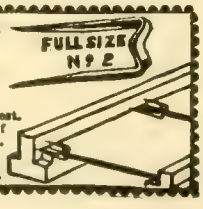
J. STERN & CO., 125 N. 10th St., PHILADELPHIA, PA.

Holds Glass Firmly

See the Point

PEERLESS

FULL SIZE No. 2



Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.

HENRY A. DREER, 714 Chestnut St., Phila., Pa.

WILSON'S PLANT OIL.

The best Insecticide and Plant Renovator ever introduced. Positively harmless. Put up in cans and bottles. Send for circular, testimonials and trade price.

ANDREW WILSON, 437 Springfield Ave. SUMMIT, N. J.

Please mention the American Florist when writing

THE AMERICAN FLORIST

America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXVII. **CHICAGO AND NEW YORK, DECEMBER 15, 1906.** **No. 967**

THE AMERICAN FLORIST

TWENTY-SECOND YEAR.

Copyright 1906, by American Florist Company. Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

324 Dearborn St., Chicago.

Eastern Office: 1133 Broadway, New York.

Subscription, $1.00 a year. To Europe, $2.00
Subscriptions accepted only from the trade.

Volumes half yearly from August 1903

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—WM. F. KASTING, Buffalo, N. Y., president; H. M. ALTICK, Dayton, O., vice-president; W. J STEWART, 11 Hamilton Place, Boston, Mass., secretary; H. M. BEATTY, Pittsburg, Pa., treasurer. Twenty-third annual meeting at Philadelphia, Pa., August, 1907

OFFICERS-ELECT—WM. J. STEWART, Boston, Mass., president; JOHN WESTCOTT, Philadelphia, Pa., vice president; P. J. HAUSWIRTH, Auditorium Annex, Chicago, secretary; H. B. BEATTY, Pittsburg, Pa., treasurer.

INTERNATIONAL EXHIBITION—A grand international exhibition will be held with the annual convention at Chicago, November, 1908.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual convention and exhibition, November, 1907. WM. DUCKHAM, Madison, N. J., president; DAVID FRASER, Penn and Homewood Ave., Pittsburg, Pa., secretary.

AMERICAN ROSE SOCIETY.

Annual meeting and exhibition at Washington, D. C., March 13-15, 1907. ROBT. SIMPSON, Clifton, N. J., president; BENJAMIN HAMMOND, Fishkill-on-Hudson, N. Y., secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention and exhibition at Toronto, Canada, January 23-24, 1907. JOHN H. DUNLOP, Toronto, Canada, president; ALBERT M. HERR, Lancaster, Pa., secretary.

THE AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

Annual convention at Toronto, Ont., 1907. BYRON D. WORTHEN, Manchester, N. H., president; F. L. MULFORD, Harrisburg, Pa., secretary.

AMERICAN PEONY SOCIETY.

Third annual meeting and exhibition at Ithaca, N. Y., 1907. C. W. WARD, Queens, N. Y., president; A. H. FEWKES, Newton Highlands, Mass., secretary.

Contents, page 1000.

Advertising Rates, 1000.

Index to Advertisers, 1038.

Ready Reference Advts., 1039.

SUGGESTIONS FOR FLORISTS.

Needle Pines.

If you have any churches or large halls to decorate needle pines will come in handy. We plant them in 6-inch pots. They will keep fresh two to three weeks. You will make no mistake by ordering a few. Good tops three feet in length are offered at about $2 per dozen.

Leucothoe Sprays.

We use these quite extensively of late years. They are not only very useful for Christmas decorations, but are of great value to give your customer as green with cut flowers, as well as for the arrangement of flat bouquets, or large dinner decorations. They keep fresh a long time in a dark cool place. Cut a little off the stems and put into water.

Mistletoe.

When your customer gives you an order for holly she will ask you to put in just a little bunch of mistletoe, and this is the reason you handle it, for the profit that is in it doesn't amount to anything. If you want to prevent a loss of time, tie up your mistletoe in little bundles, wrap each bundle in wax paper, with price marked on each, and keep in a cool place until sold.

California Pepper.

I don't know of anything outside of holly itself that is as useful as California pepper for Christmas decoration, and while the price of $5 per small crate—almost half of which amount goes to the express company—is rather stiff, still a good profit is realized. Every spray in the crate can be used, as they are generally all good. And don't neglect to put in a good stock. It keeps well, and you are bound to have call for it after Christmas should you have any left over.

Laurel Wreathing.

More artistic than pine is laurel wreathing. I suppose one reason for our thinking so is because of its higher price, and it is not so extensively used by the general store keepers. For church or hall decoration it is to be preferred and can be used for this purpose as it comes all ready made up. For house decorations it will be best to make the garlands yourself, and just a little lighter than those usually offered. The made-up article is offered at 4 to 5 cents per yard. You can do better than this by making it yourself, but not much if you have many other things to attend to.

Christmas Greens.

In my last notes I spoke of the handling of holly. Next in importance as a decorative green comes ground pine. If you have call for the ordinary grade of wreathing it will be advantageous to buy it made up, but most likely your customer will ask for a better grade than that offered by your local grocer or butcher. In that case make up the wreathing yourself, and charge accordingly. There is little demand for evergreen wreaths, and this is as it should be, since a well made holly wreath is far more beautiful and more appropriate. While the ground pine is not affected by frost as holly is, yet you should keep it in a cool dark place, and as with holly, show only a fair sample from which to take orders.

Pot Covers for Plants.

Only too often the dressing up of plants for Christmas is overdone. You ought to know best, yourself, what your trade demands, and it would be wrong to give you a set rule for just what to do in that respect, yet it is not out of place to say that no plant, foliage or flowering, should be displayed in your store without a jardineire or pot cover. You can buy the waterproof crape paper in almost any shade now, the best for Christmas being white, deep red and dark green. A pot cover adds 50 per cent to the appearance of any plant, and using the waterproof paper will enable you to dress your plants three to four days before Christmas, as the paper will not droop or fade when it comes in contact with water.

Roman Hyacinths.

If you planted your Roman hyacinths early and brought them in during the

last week of November, where they were kept in a light house in a temperature of about 45° at night, they will be just right for Christmas. Our boxes contain about 60 bulbs. We put the plants into pans, averaging from six to 15 plants per pan about December 20. This transplanting does not seem to hurt them in the least. They have short stocky leaves and the stems are able to hold up the flowers without artificial support. A pan of Roman hyacinths or lily of the valley is always in demand for Christmas, and both want some sheet moss to cover up the soil in the pans. Moss on the top of the pots of palms or flowering plants in general gives a rather artificial appearance to the plants, except azaleas or bulbous stock, and I think it adds to the appearance of a dish of lily of the valley or Roman hyacinths.

Winterberries.

Last year one of our men arranged a centerpiece of nothing but winterberries surrounded by holly. It stood in the store and was the means of bringing us a number of orders for Christmas table decorations, and I believe that nothing we did in the way of exhibiting our goods paid us as well. It is quickly put up by using a thin piece of board, say 8 x 8, or any size desired. Sphagnum to the depth of three inches is fastened to the board and the branches of winterberry eight to 12 inches in length are stuck in the moss, after which the base is filled up with small pieces of thickly berried holly branches to give the winterberry a green setting, and while you can't sell a centerpiece of this kind to every customer, you will find a great many who will prefer it to cut flowers for Christmas day. Another thing I must not forget to tell you about is this, do not allow your boy, when filling a 25-cent order for winterberries, to pull out five or six small branches and by so doing strip all the remaining branches of their berries. Have them taken out carefully, tied in bundles as with holly, and, if at all possible, keep the stems in water. This will keep the wood and berries full and plump.

In conclusion, I will say to those who are after a satisfactory holiday business: Push the sales of holly and other greens. Try to sell your customer a palm, fern or blooming plant whenever possible, especially when you have to buy all, or nearly all, of your cut flowers, for the demand in this line is nine times out of 10 for red flowers, the orders for which in most cases your wholesaler will be unable to fill to his or your satisfaction. See to it that all goods sold are properly booked as well as labeled, with the time of delivery marked on each tag. Reserve a place to put all plants sold. You will not make a mistake by ordering a few more palms, or ferns than you think you will need, as there are always orders coming in at the last minute, so to speak, where a customer, in case you are out of cut flowers or flowering plants, will take a foliage plant and be glad to get it. Your customer wants you to wait on her and not your clerk. Don't take an order you cannot fill. Watch the details of your business, attend to them yourself whenever possible, for only by so doing will you be able to sit down and enjoy your Christmas dinner without fearing the 'phone will ring and someone spoil your meal.

Begonia Gloire de Lorraine.

This, the most beautiful of begonias, is certainly one of the best Christmas selling plants when well done. It is only a few years ago since it was introduced from France, and at that time only a few of us had any success with it. The writer, among others, was, after several unsuccessful attempts, almost ready to discard it, but after seeing those splendid specimens that good grower, J. A. Peterson, of Cincinnati, showed, another attempt was made, with the best of results. The cheapest way for the man who uses 200 or 300 plants is to buy well established stock out of 2 or 2¼-inch pots in early June, at about $15 per 100. Those who wish to propagate from leaves can do so now. Use nice fully developed leaves, not old rusty, dried up ones. Insert the stem in the sand bed up to the base of the leaf. The first watering you give will settle the sand enough to allow an air space between the sand and the leaf, which is necessary, as the leaf should not come in contact with the sand.

While a number of plants can be grown from a single Rex begonia leaf, if laid flat on the sand and incisions are made with a knife across the middle and branch ribs of the leaf, the leaves of Gloire de Lorraine are liable to damp off if placed flat on the sand bed, and each leaf will make only one plant. If you maintain about 72° of bottom heat, you will in six weeks be able to pot your young stock in 2-inch pots, using a sandy loam. Leaf cuttings will make the best single specimen plants. If you use made up plants, you can grow nice 3½-inch stock from cuttings struck in May, and it will not pay you to go to the trouble to propagate now unless you have the proper facilities to do so. For the price of $1 to $1.50, which you realize for a well grown plant at Christmas is well worth the money you lay out for nice established plants, such as the men who make a specialty out of Gloire de Lorraine send out in June. And if you do a general plant trade, you have your hands full in March, April and May and it doesn't take much to stunt your young stock.

Christmas Baskets.

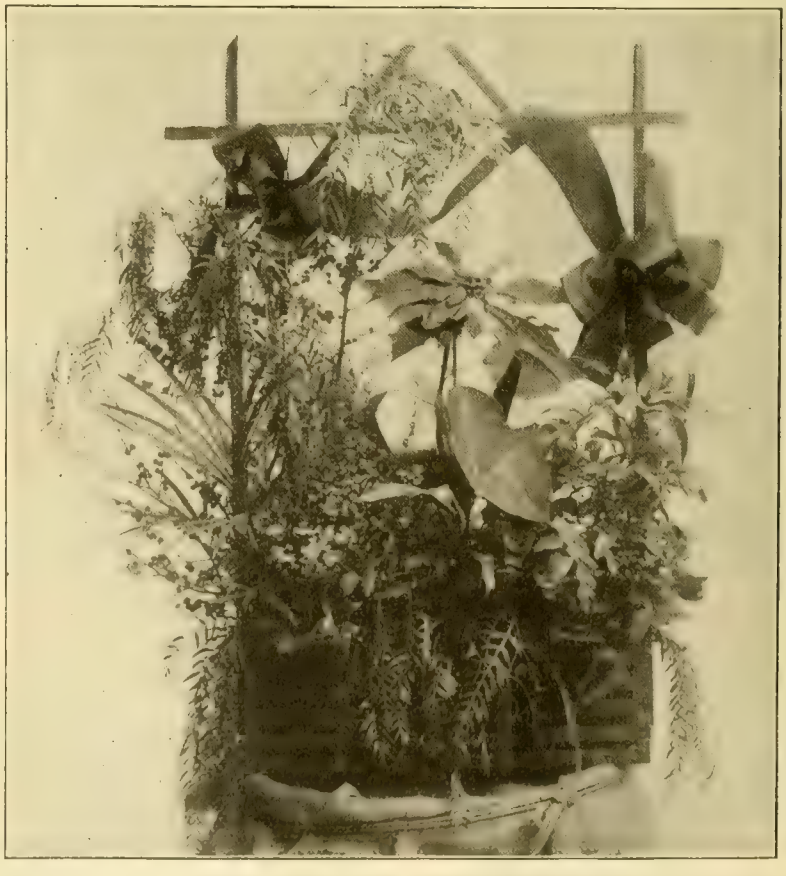
Figured herewith are a few of the varied and beautifully arranged baskets and other receptacles for plants at Christmas time, put up by several of the leading New York retailers.

No. 1—A latticed box, with cross tree, filled with poinsettias, ericas, amaranthus, small kentias, ardisias. California peppers and acacia, small ferns being used for finishing. Crimson ribbon.

No. 2—Latticed box filled with crotons, kentias, ericas, small ferns, Christmas berries and dracænas; tied with crimson ribbon. By J. H. Small & Son, New York.

No. 3—A rough bark canoe with paddles, filled with Adiantum Farleyense and cypripediums. Light green chiffon. By W. H. Donohoe, New York.

No. 4—A wicker basket, painted green, filled with ericas, fountain crotons, cocos



CHRISTMAS BASKETS.

No. 1.—By J. H. Small & Sons, New York.

and Dracæna terminalis. Pink ribbons and chiffon. By W. H. Donohoe, New York.

No. 5—A fiber hamper containing poinsettias, crotons, small ferns and cocos. Dark pink chiffon and tassels. By W. H. Donohoe, New York.

No. 6—A wicker basket filled with poinsettias, fountain crotons and small ferns. Crimson ribbons and tassels. By W. H. Donohoe, New York.

No. 7—A fiber hamper of cypripediums, Adiantum Farleyense and Begonia Gloire de Lorraine. Pink ribbons. By W. H. Donohoe, New York.

At the Store Before Christmas.

Hang a case or two of wild smilax in your own store; other merchants can afford it, why can't you?

Inform your clerks that it will be necessary to work overtime, thereby avoiding any misunderstanding.

Have the driver hunt up all the old lanterns, and put them in readiness. The chances are that they will be needed.

See that every plant is marked plainly and staged to the best advantage. In an accessible place hang the cut flower price list.

Above all things, that system must be practised in every detail to insure satisfactory results and perfect harmony.

See that your supply of pot labels, delivery tags, order tags and the like is sufficient. Better have too many than to run out. If the tags be wired and ready for use, a great deal of time will be saved.

Appoint some member of the force to look after the "front part" of the store, and instruct him that when a plant is sold to put another in its place.

Get out that accumulation of old, left-over hampers and baskets; this is your best opportunity to dispose of them. Apply a small amount of gold bronze and you'll be surprised at the result.

Select a clean place for plants that are purchased beforehand for delivery Christmas day. A few flower pots turned upside down will afford drainage at the same time save trimming them again.

Have a box in some convenient place, containing a small amount of sphagnum, and a few pieces of sheet moss. This will be a great help if you are called upon to arrange a plant basket on short notice.

Find a convenient place for crepe paper, ribbons, etc. It is well to bear in mind that this is the only time in the whole year you have the opportunity to dispose of red trimmings, ribbons and mattings.

PETERMAN, ALA.—Holly shipments for Christmas decorations have been going forward for the past two weeks. The quality this year is up to the standard. The prices realized by the shippers so far have been comparatively good.

EAU CLAIRE, WIS.—A. F. T. Lauritzen, of the Oakdale greenhouses, has just returned from St. Paul where he had been on an inspection tour. He speaks highly of the very complete retail store of Holm & Olson, which he describes as the finest in the United States. The floor of the sales department alone covers a space 75x150 feet.

CHRISTMAS BASKETS.
No. 2.—By J. H. Small & Sons, New York.

THE CARNATION.

Bud Rot in Carnations.

Bud rot in carnations due to a species of Fusarium has been described by F. D. Heald. The rotting buds always contained a mite in addition to the fungus. Pure cultures were made of the fungus and successful inoculations were carried out. The fungus was again isolated and new inoculations made which indicated that the fungus alone was capable of producing the rotting. The experiment of inoculating the mite into the buds did not produce the disease. It was suggested that the mites only act as carriers of the fungus and intensify its severity. The Lawson carnation was noticed as the most susceptible variety.

Seasonable Notes.

Growers in their anxiety to have plenty of flowers at Christmas should not force their plants unduly, as such custom is weakening even to the strongest plants and also tends to the propagation of insects. A rise of 3° or 4° will not injure strong plants, but see that the soil in the benches is kept moist at such times. Plants unduly forced now may produce a few extra flowers, but it is at the risk of their health and they will be next to useless in spring. The dark cloudy days at this season render very careful handling of the plants necessary. Above all, give all the air possible when the weather permits, this strengthening the plants materially. Even in cold weather change the air in the houses daily, no plant being so dependent upon a fresh air supply as the carnation.

As soon as the cuttings recently inserted are sufficiently rooted, usually in about 30 days, they must be potted or planted out. If potted they can be more easily given a shift as required, but a very good way is to plant them out in light soil on the benches, just deeply enough to keep them standing upright after the first watering. Perhaps it may not be out of the way to warn growers who are about to purchase novelties. It is not sufficient that a variety wins prizes; it should also possess the other qualifications that go to make up a good commercial sort. This season there are some sterling novelties offered to the trade in a wide range of color, and these will prove a first class investment.

J.

Carnations from Seeds.

The remarks President Duckham made at the last Chicago florists' banquet, urging growers to do more hybridizing, induced me to write these lines, for no place where carnations are grown is too small for the owner, or the man in charge, to devote a little of his time and space to the growing of at least a few seedlings. To my mind there can be nothing more interesting than to experiment in that way, and it should be so to all who love flowers; and while those who don't may make a living at the business, they will never be very successful, nor get the pleasure out of

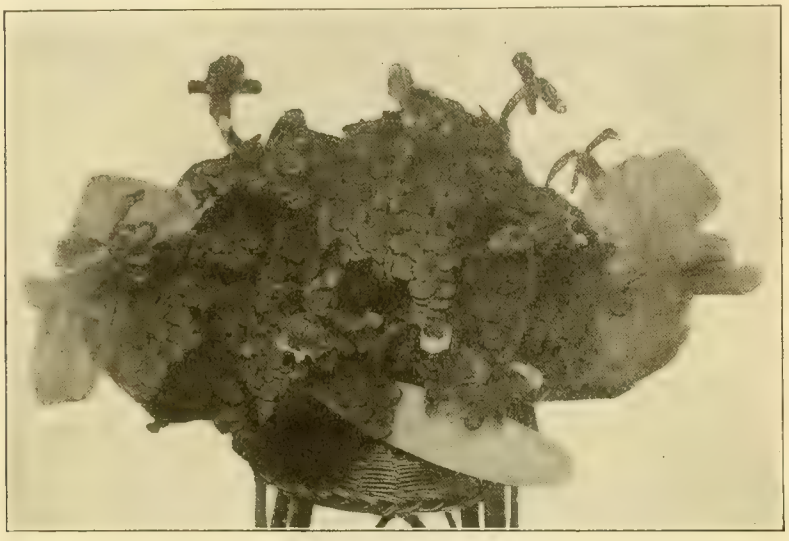
it that those who love flowers do, nor should they.

The crossing of carnations is so simple, and while pages have been written on just how to do it, covering the subject thoroughly, I might say to those who have never done any crossing, that they should use only perfect flowers of good varieties. Select bright sunny days to do the crossing. The flowers have to be fully open. If your operation has been successful, the flower crossed will go to sleep in a few hours afterward, for nature is satisfied by having, with your assistance, accomplished that for which she had intended the flower. If your attempt has not been successful, repeat the operation. Stake the flowers you have crossed and label properly, for should you be fortunate enough to introduce a new carnation which would be an improvement over all existing varieties and prove itself a moneymaker for all, nobody would give you much for the names of the varieties you used in producing it, no more than the world of today cares for the pedigrees of a really great man, yet it it interesting to know the varieties you have crossed.

Don't pick your seed pods too soon. Sow seeds a few days after harvesting. Treat the young plants like your other carnations grown from cuttings. Most of them will bloom in the field, and you need only house such as you may see fit to grow on for further trial. While it has taken over thirty years to produce a White Perfection through crossing from such varieties as President DeGraw, Edwardsi and others, we are today progressing in this line as in all other fields, and with such varieties as Aristocrat, Robert Craig, Winsor and others to work on, someone in the near future will produce a variety which will take our breath away, just for a minute; a variety which will be further ahead of what we have today than Scott was over Grace Wilder, or Enchantress over Daybreak. Don't think for a moment that this or the other variety of today is about ideal; we have just begun.

The past 25 years of progress in the hybridizing of carnations cannot be called anything but the commencement from the short stem carnation used for set floral arrangements of all descriptions thirty years ago. The grower made improvements in stem and flowers, and thereby created a demand for them until today the public wants the largest flowers and the longest stems money will buy. The price is a second consideration. The grower who can produce a flower wholesaling at 15 to 25 cents is the one who makes money, and not the one who offers 1, 1½ and 2-cent stock. The day of 25 in a bunch, tied up to the necks with twine, is over—the twine is almost used up—and new varieties are wanted, better flowers, larger, new shades, longer stems.

The public will pay $3, $4 or $5 a dozen if you show the goods, and it isn't said that it must be a Dorner, Ward or Fisher to originate them; it may happen to any of us, and while we can't all be successful, someone will and thereby help us all. And, after all, the pleasure there is in it, from the time the flowers are selected for crossing until the last seedling has bloomed for the first time, is compensation enough for all the trouble taken.



CHRISTMAS BASKETS.
No 3.—By W. H. Donohoe, New York.

CHRISTMAS BASKETS.
No. 5.—By W. H. Donohoe, New York.

CHRYSANTHEMUMS

Blooms for Various Purposes.

IN REPLY TO MR. LEMON.

In THE AMERICAN FLORIST of December 8 I notice Fred H. Lemon takes exception to the notes which appear in your issue of December 1 on "Blooms for Various Purposes."

It was not my intention to convey by the illustration that all European progeny were as long stemmed as is the case with Mrs. Thompson, but simply to show the pronounced difference which exists between some of the American and foreign products.

We notice the varieties Mr. Lemon refers to as possessing commercial quality and as some of these have been thoroughly tested, I am frank to admit they do possess commercial qualifications. This list extends to the dissemination of Mme. F. Perrin in 1896 and during these 10 years there has been sent out in this country 385 foreign varieties.

By excluding Matchless, Mrs. Geo. Beach and Beatrice May, for reasons which I will explain later, we have seven remaining varieties, which does not exceed two per cent. As to Matchless, I can scarcely agree with Mr. Lemon as to its real commercial value. The flow-

ers are a beautiful crimson and of good substance, which is entirely satisfactory; but if planted late it is inclined to be short stemmed, and if benched early to make sufficient height, the wood is very weak, as was shown in a vase staged at Chicago.

Mrs. Beach and Beatrice May are really novelties of the present year and I feel we should know more of their real worth before giving strong indorsement. The latter variety has a magnificent flower when well grown, but it has not been fully demonstrated that it can stand the battle with older kinds under all conditions.

Commercial value is based on popular demand as well as the grower's ability to successfully handle the varieties coming under his care. Past records teach us a great deal if we refer to them occasionally.

As much as I respect Mr. Lemon's ability and judgment on matters pertaining to chrysanthemums, I feel it my duty to convince him that I have not greatly exaggerated the demerits of foreign production.

Referring to the 1902 catalogue of the firm in which he is bending his energies, I find offered 11 foreign novelties and also recommended 33 varieties especially for commercial purposes. Among the 33 varieties mentioned there were four of foreign origin, or rather three of foreign origin and one which sported in this country, including the two Fitzwigrams, Golden Wedding and Mme. Perrin.

In 1903 his firm offered 52 foreign varieties and recommended 31 commercially. The only foreign varieties added to the preceding year's list were Nellie Pocket and Marie Liger, but neither of these were among the novelties offered the previous year.

In 1904 the firm offered 63 foreign novelties and 26 of commercial merit. I find a few of these were sent out the previous year, viz., Mlle. M. Douillet, C. J. Salter, and Marie Liger. There were added to this list Alice Byron, Mounier, and Mrs. Coombes, also foreigners.

In 1905 its foreign novelty list comprised 68 varieties and their commercial list 28 sorts. Among the latter I find the following varieties that were disseminated the previous year, Carrie, Olive Miller, Wm. Duckham, Dr. Enguehard, Mrs. Mileham, Ethel Fitzroy and Lord Hopetoun.

It is also well to note that in the list commended the previous year, the following were omitted from the present one: C. J. Salter, Marie Liger, and A. J. Balfour. Matchless was also included but was a novelty of the current year. In 1906 there were 64 listed of foreign origin and 25 specially recommended commercially.

Among the 68 novelties offered in 1905 three found their way into the commercial list, viz., Clementine Touset, Jeanne Nonin and Matchless. We also find that Mlle. M. Douillet, Olive Miller, Wm. Duckham and Mrs. Mileham recommended that year, were excluded from the present year's commercial list. Just what will become of the 64 foreigners offered this spring remains to be seen.

Again referring to last spring's commercial list, I find all the foreign varieties except two were disseminated since 1901. The foreigners seem to lack tenacity and cannot present such clean records as Ivory, disseminated in 1889, Glory of Pacific in 1895, Major Bonnaffon, 1894, and W. H. Chadwick, 1898.

There are possibly a few French varieties which perfect good flowers from late buds. Dr. Enguehard is an exceptionally good example. How many others are there? Mr. Lemon can indicate them all with the fingers of his two hands that have emanated from the hundreds which have been sent out in the past ten years. For this reason it scarcely seems necessary to exempt them. To

CHRISTMAS BASKETS.

No 7.—By W H. Donohoe, New York.

CHRISTMAS BASKETS.

No 4.—By W. H. Donohhe, New York.

be fair it is only just to state that the French novelties are as a whole, easier to manage and will be more satisfactory in my opinion to the average grower than those received from other foreign sources.

I note what Mr. Lemon states regarding the C. S. A. scale as well as the certificates granted the current year. I do not wish to cast reflection upon the good judgment of the committees or judges, as I am fully aware their deductions are strictly conscientious and were made to the best of their knowledge and belief, forming their opinion from the six blooms submitted. Some varieties, however, possess peculiarities that are not fully set forth in the few flowers considered and commercial value cannot be fully established until the variety has passed from the disseminator into the hands of the commercial grower for his final approval or condemnation.

There are quite a number of foreign varieties which, when there is a certificate in view, really appear good for our purpose, but when transferred alongside the old-time tried ones they cannot hold their place. The truth of the matter is that 30 to 60 foreign varieties are brought to America annually and are knocked down like ten-pins when we consider commercial qualifications from the American standpoint. It is true that American productions get very much the same medicine, which is natural enough, as all new comers cannot be indorsed on every hand.

I do not wish to convey that it is impossible for our English, French and Austrailian brothers to give us good commercial sorts, for occasionally they produce excellent kinds, for example, old Viviand Morel, Dr. Enguehard and Alice Byron. When their demand for commercial sorts exceeds that of the exhibition class, and they are able to look at the desired qualifications in the same light as we do on this side, then we may expect some advance that will be permanent.

In conclusion I will say there is no patriotism whatever in this proposition, as I should certainly be glad to accept and assist in popularizing good commercial varieties from abroad. Under the existing conditions I feel that the importation of so large a number of varieties and offering them, or any considerable part of them, to the American trade is a loss of time and money and as a rule disappointing to all concerned.

ELMER D. SMITH.

Sports from The Queen.

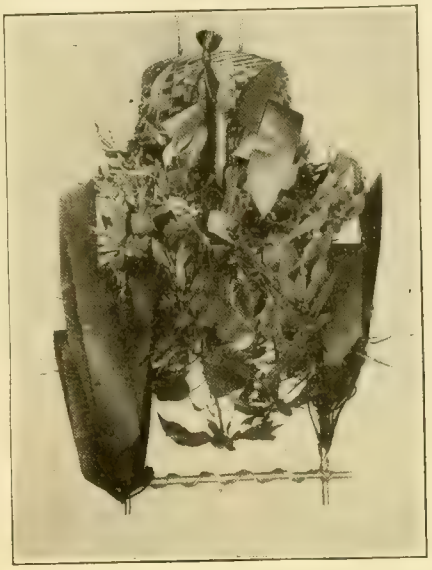
We notice there has recently been mention made of light yellow sports from The Queen, and if not mistaken they have originated in two localities. While there is no doubt but they are as good as the original variety, they are by no means new. Domoto Bros., of Oakland, Cal., disseminated a lemon yellow sport from The Queen in 1896, under the name of Gov. Budd. We purchased stock of this variety and it appears with the general collection in Nathan Smith & Son's catalogue of 1897. This shows how soon the things of today are those of yesterday and lost sight of.

ELMER D. SMITH.

THE ROSE.

Grafting Roses.

There still seems to be a good deal of uncertainty among growers of no great experience, as to whether grafting is beneficial or otherwise. Those who have consistently followed grafting for a number of years have no doubt on the matter. To such, grafting is an essential cultural detail, just the same as watering or disbudding, and they will not use own root plants if grafted stock is to be had. The great majority of kinds do best when grafted, but some growers find that Meteor does best on its own roots, while a few of the stronger growing teas, especially that fine variety, Madame A. Chatenay, seem



Christmas Baskets.

No. 6 —By W. H. Donohoe, New York.

to do well either way. The grafted stock though, even with this variety, will produce flowers quicker than plants on their own roots.

The time is upon us now for obtaining stocks and preparing them for the purpose indicated, for though it is not wise to commence the actual work of grafting until New Year's, there is much to be done meanwhile. The manetti is the best stock for general purposes because the cheapest, and, if properly prepared, not likely to sucker very much. The seedling briar suckers badly but the same stock prepared from cuttings is preferred to any other by some growers of the tea scented kinds.

Manettis are commonly imported from France but, however they come, they are usually pretty well dried up by the time they reach the grower. A good soaking must at once be given, the best way being to throw them into a tank or tub. When well soaked lay them upon a bench to dry a little, and select all that are large enough for grafting into one heap, the small ones for planting up being kept separate. For grafting, nothing should be selected smaller than a lead pencil at an inch or two above the roots. A little time spent in the preparation of these stocks now is well repaid by the ease with which the grafting can be done later. All the roots must be trimmed so that they will go easily into 2½ or 3-inch pots, according to their strength. All bruised or damaged roots are to be cut back to sound wood, and if necessary the upper roots must be trimmed off to allow of a couple of inches of clear stem being left for grafting, just above the surface of the soil. The heads must then be pretty well shortened back, not studying the shapes in particular, but leaving them thin. This takes a little time to describe, but when experience has been gained they can be got out of hand very rapidly.

The selected plants must be potted at once in the sizes mentioned above, allowing the straight clean portion of stem to show just above the surface as indicated. After potting stand the plants outside on a hard bottom, give one good watering to settle the soil, and cover the pots with an inch or two of fine ashes. The plants must be placed convenient for covering in some way, so that they can be got at in any kind of weather. Although grafting may be practiced nearly the whole year, the first three or four months at most are sufficient for working up stock for planting benches cleared in the early summer. A month before commencing, a sufficient number of the potted stocks must be brought inside, an ordinary rose house temperature or any structure kept above 50° suiting them. This will ensure the sap working freely by the time the stocks are wanted. For scions choose plump hard wood such as is cut when taking the crop. Avoid both old hard wood and that which is soft and pithy. The blind wood that makes such good cuttings, is not sufficiently strong for grafting.

The actual operation of grafting is very simple. First cut the tops off the stock at the upper part of the straight portion left above the surface. Choose a scion with one eye and a couple of inches of growth, as near the size of the stock as possible. Take a thin slice of bark and wood off the stock, entering the knife about ¾ inch below the top and bringing it upwards. Cut the bottom of the scion in a similar slanting direction to fit it, taking the knife right through in this case, and making a sloping cut a little over an inch in length. Now see that the bottom, and at least one side of the bark, unites with that of the stock. If both sides unite all the better. This is the important point, for unless the cambium layers in the barks come exactly opposite, the sap will not pass from stock to scion and a good union of the two is unlikely. All that is now necessary is to tie the scion to the stock by wrapping raffia or cotton around them, just sufficiently tight to hold the scion in place till the union is effected.

The treatment of the grafted plants for the first two months consists of placing them in a warm moist propagating case, spraying them lightly, and shading during bright weather. Open the cases every day to allow the accumulated moisture to escape, but never allow the growth to flag when it starts. When a few inches of growth has been made, begin gradually to harden the plants just in the same way that plants from cuttings are treated, until they

are ready to take their place in the growing quarters.

Drawn Roses.

ED. AMERICAN FLORIST:—

What is the cause of benched forcing roses becoming drawn in their growth? What is the best way to make them break from the ground?

YOUNG GROWER.

Young Grower does not state at what temperature the roses were kept or how the ventilating has been handled, but the cause of the drawn growth may be blamed to very high temperature with very little air. The temperature should seldom exceed 60° at night, nor 75° on bright days with plenty of air. On cloudy days 65° with air on and a little steam or artificial heat at the same time if necessary will be about right.

As for the best way to induce the plants to break from the ground, this is rather a hard question to answer. Own-root stock usually breaks freely at the base if the plants have been properly disbudded, but at times one gets very few canes from the bottom, until early spring and some varieties break free while others do not. Very often if a heavy crop is cut off late in the fall or winter the check will often cause the plants to throw some bottom canes, but I find that if the plants are shy of bottom breaks they usually produce more blooms on top; especially is this true when grafted stock is handled, and unless the grafted stock is planted with the union several inches below the soil they seldom break near the ground. If Young Grower is a subscriber to THE AMERICAN FLORIST he will find under the rose notes seasonable suggestions throughout the season that may be a help to him, and if not a subscriber, he should get in line at once as there are many things published weekly invaluable to the young grower. E.

Rose Foliage Injured.

ED. AMERICAN FLORIST:—

Will you, if possible, tell me the trouble with the enclosed rose leaves. All the plants are not affected in the house; they comprise Bride, Killarney, Golden Gate, and Richmond. Plants are otherwise perfectly healthy and making strong growth. Planted about August 1. Any information will be appreciated. H. B. B.

The marks on your rose leaves are caused by the red rust fungus. They have probably been too heavily sprayed or kept in an atmosphere too close and moist. Remove all affected leaves, dust a little sulphur over the plants, and endeavor to keep a dry atmosphere about them in dull weather.

Best Own Root Roses.

ED. AMERICAN FLORIST:—

Please state what forcing roses do best on their own roots. X.

It is yet a question to decide between grafted and own root forcing stock. As all of our prominent indoor forcing roses are grown successfully either way it seems to be a matter of soil and skill. American Beauty should be grafted if grown in a rather light soil, but own root stock does much better if planted in a stiff soil. E.

UNNAMED SEEDLING FROM AMERICAN BEAUTY, KAISERIN AND LIBERTY.
See Philadelphia show report, issue of November 17, page 794.

PALMS AND FERNS.

PHOENIX ROEBELENII.—Phœnix Roebelenii is something we have long been looking for in a phœnix. It seems of easy culture; it is sturdy and capable of sustaining itself under hard treatment for an indefinite period, quite a qualification for a palm of its make-up. It will be found very useful in its small and medium sizes for purposes where hitherto only cocos was suitable. We have not seen any large plants of this variety but judging from its habit in the stage of growth in which we observed it, it will be in demand both for greenhouses and house decoration.—L. D.

Raising Seedling Ferns.

There is money in the raising of young fern stock from sports and it is very interesting work. Besides the chance of obtaining a really distinct novelty among the young plants raised, there is a pleasure in watching their development from the earliest stages. Considering that the spores found on the back of mature fern fronds are purely vegetative structures and have at this time no sexual or other apparatus conducive to crossing or hybridization, it is remarkable what a variety of forms appear from an ordinary sowing. Kinds that are not grown in the same house or on the same place are constantly appearing. In some cases there are certain kinds that are really weeds of the fern family, in the sense that by their persistency they crush out other and more valuable sorts. Pteris serrulata, P. tremula, P. cretica and Gymnogrammas of coarse growing species occur to mind. The grower who wishes to perpetuate stock of weaker sorts, or obtain new forms should carefully weed these strong growers out, as early as their identity can be established. The trouble is that often by this time the mischief has been done, the prothalli of weaker kinds having already been elbowed out of existence by the big fellows.

The surest way to effect a cross between two ferns is to sow the ripe spores of each in the same or adjacent pans. Then, when the tiny organs that represent the sexual arrangements of other plants are ready to perform their functions, both male and female organisms are present. Doubtless there are many strong growing kinds that are reproduced for generations without any crossing and possibly by vegetative structure only, but as noted, these are present only to be destroyed by the fern raiser if he wishes to develop the better and weaker sorts, or to create new forms.

Fern spores may be sown anywhere in a moist atmosphere; under stages in a moderately heated house, in pans, or on the walls in the house where the parent plants are growing. All that is necessary is moisture and a temperature of 60° to 70°. The purely cultural details are very simple. The spores are collected and shaken over the seed bed and in a few weeks the prothalli appear. These are green shield like processes that cover the surface, each containing the rudiments of a new plant and the nutriment required for it during the earliest stages of growth. After a time the first fronds make their appearance, these being almost too small to be seen at first. But soon they are showing up plainly enough and the plants are ready for a light compost of loam, peat and sand. It is usual to take out small bunches an inch or so across and either place them in pots or prick them out on a bench. But in any case they should only be left long enough to gain a little strength, when they should again be divided, this time to single plants. They are then ready to commence life for themselves and may be separately potted or put out in flats or on benches as desired. The subsequent treatment consists of growing them on to whatever size is required.

LANDSCAPE GARDENING AT JAMESTOWN EXPOSITION.
The lovers' lane.

Small Pots for Adiantums.

Much of the failure attending the culture of maidenhair ferns arises from a mistaken idea that a large amount of rooting space is necessary. Both on benches and in pots it is a common occurrence to see plants practically starved and producing fronds of poor quality, not for any lack of soil or nutrition but simply because the roots cannot take a grip of the soil in which they are trying to grow. It makes no difference how careful the attendant on the plants may be with the watering, he simply cannot induce roots that are weak and unhealthy to push through several inches of soil.

And in most cases the roots, at any rate the feeding roots, of these ferns are weak and in a manner out of health when potted or planted. They can hardly be otherwise unless they happen to be those on young stock in vigorous condition. This naturally is the kind of goods wanted but the plants are not always to be had. Presuming that the grower is confronted as he often is with a lot of unhealthy, badly rooted plants, they are usually either potted or benched right away. Now this is a great mistake and an equally simple plan involving very little more trouble but greatly better in its results, may be noted. This is to turn the plants out of the pots and do what division of the roots is necessary. Then simply lay them on a bench in a rather moist and shady house having a temperature of 70° to 75°. If at hand a little rough light compost of loam and leaf soil or peat may be sprinkled over and around them. Spray the plants over very lightly several times daily during bright weather, once if dull.

In a few weeks young feeding points of roots will make their appearance all over the old ball or portion of the ball of soil. Handle these with care and either repot them into sizes just large enough to take the ball easily or plant them on prepared benches. Either way let the soil be light and open and not too firmly placed. In a very short time, if the grower is careful, the young roots noted above will be pushing through the soil in all directions and then the plants are in a fair way to long continued health. If in pots these will soon be full of roots; on the bench there will be enough to enable the grower to water freely. Until this time gentle spraying is of great assistance but beyond an occasional good washing it is not often necessary after this. Owing to the grip they have on the soil the plants take up moisture very freely and the drier the fronds are kept in reason the harder and better in lasting quality they will be. Naturally a healthy and genial moist atmosphere must be provided, but steaming hot and very moist conditions are not necessary and should be avoided. Give the plants plenty of room and fine fronds will develop.

A point very often lost sight of by growers is that ferns need a resting season as well as any other plants and if they are to be kept healthy over a series of years they must have it. The fact of A. cuneatum and its allies as grown for cutting being of an evergreen character makes no difference. The plant may be resting in the sense meant, even when carrying a fair sized head of fronds. By cutting the whole lot from

LANDSCAPE GARDENING AT JAMESTOWN EXPOSITION.
Scene on the grounds.

each individual plant or from a sufficient number of plants for the supply needed this resting is helped, for when the plants are being constantly picked at regardless of condition it becomes very difficult for the grower to know how to treat them. The material cut may then be taken to the packing shed and sorted without any trouble, the plan resulting in a saving of time and labor, and increased health in the plants. It is of course necessary to have regular batches of plants coming on continuously but this is easily arranged and each grower must vary his details according to his individual circumstances.

Landscape Gardening at Jamestown.

Much good work has already been done in the landscape department of the next World's Fair. This work is in charge of Warren H. Manning, landscape designer, and Chas. H. Pratt, engineer and superintendent of grounds. Although on a much smaller scale than the Chicago exposition in 1893, and the one at St. Louis in 1903, the location is delightful, the naval display will be imposing, and the temperature will be kept low, even in August, by the strong breezes from Hampton Roads (Willoughby bay). On this fine sheet of water Uncle Sam will exhibit his navy, and the English, French, German, Russian, Italian and Japanese navies will be represented. These displays should of themselves draw large crowds. The government appropriations amount to $1,575,000, as against $500,000 at the Pan American, and 400 acres of ground are embraced in the exposition grounds as against 350 acres at Buffalo in 1901.

Work in the landscape department was very properly begun as early as the spring of 1905, two years before the opening of the exposition. The entire grounds are enclosed by a beautiful fence, three miles long, eight feet high, constructed of wire, with barbed wire coping two feet wide to keep out intruders. This fence is now entirely covered with honeysuckle, Crimson Rambler roses and bignonias. I can imagine no more appropriate inclosure. The planting along the avenues has been done principally with the native trees and shrubs with the idea of getting good results at a minimum of expense. The transplanting has been very successful; even the large apple trees which skirt the large parade ground have taken hold, and the other large trees which border the main avenues are all doing well. The plan of using one kind of tree and one variety of shrub along each highway is a good one, producing a symmetrical and pleasing effect. For instance, Commonwealth avenue, the principal thoroughfare, about three-fourths of a mile long, is bordered with mountain laurel; on another the wax myrtle is used; on another the wild rose of the locality is used, and is at present beautiful with its wealth of bright fruit; on another street is the red bay, Persea Carolinensis; on yet another are beautiful rows of white dogwood of uniform size, about 10 feet high and full of flower buds.

All the planting along these avenues will be of permanent value, as they will eventually be streets of the city of Norfolk, which is growing very fast, and is destined, owing to its shipping and other facilities, to become a great city in the near future. Under these trees and larger shrubs are carpets of periwinkle, strawberries and other trailing plants, the prettiest being the periwinkle. Along the "trails" through the woods Mr. Manning is now sowing forget-me-not and other suitable dwarf flowering plants, which are just the things to make these "lovers' lanes" as sweet and seductive as may be. In spring the borders of the avenues in the open will be sown with all the best annuals, petunias, zinnias, celosias (these do particularly well in this vicinity), Phlox Drummondi, etc., using only one kind in each avenue, making in some cases nearly a mile of uniform color line. Mr. Manning has already thousands of loads of good compost, turf and manure prepared for the flower beds, which I think is the best of the many good things he has done.

The formal flower beds, which have already been laid out, are all in the most popular and prominent parts of the grounds, where the most visitors will be continually passing, so that each exhibit in the plant department will certainly get all the benefit that locality can give. Many of the smaller beds are edged with privet planted a year or more ago and kept repeatedly and severely pruned, so that now it bears a close resemblance to box edging; the effect is very pretty. Privet should come into more general use in this way. Mr. Manning says that cannas, musas and other tall growing, large leaved plants will not do well in the exposed parts of the grounds owing to the strong winds that blow in from the bay, and will therefore prepare beds for this class of plants in the large sheltered court between the mining and hygienic buildings.

There are on the grounds a forest of pines, and one of oaks, gums and hollies, some of the latter being 30 feet high, with trunks 18 inches in diameter. A school garden was maintained on the grounds in the summer of 1906 and was cared for by scholars from ten miles round about Newport News, Hampton, Portsmouth, Berkeley and other points. This feature was interesting and educational and will be continued in the summer of 1907.

Should the Council of Horticulture decide to hold an exhibition and congress during the exposition, there are abundant facilities. The large auditorium holds 3,000 people, and there are a number of committee rooms accommodating from 200 to 300. A court, 80 x 250 feet, in the center of the large circular states building can be readily covered with

LANDSCAPE GARDENING AT JAMESTOWN EXPOSITION.
Walk in the grounds.

canvas and used for a chrysanthemums show in November.

Applications for space should be made to James L. Farmer, Department of Agriculture and Horticulture, Norfolk, Va.

ROBERT CRAIG.

Cutting the Coal Bill in Two.

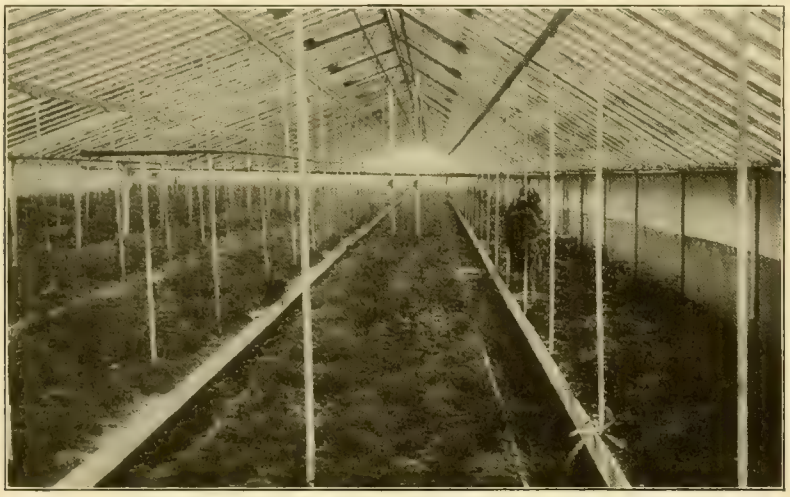
The proposition of lessening the coal bill depends altogether on the cost of slack. Where slack is cheaper than lump coal, a great saving comes from burning it—the saving in the price. There are localities where slack is not much cheaper than lump coal. When slack has to be hauled in, the freight being the same, then the saving from the use of slack above the saving of lump, is necessarily small. But the slack produced in coal yards, from the breaking up of the lump coal by handling, is often sold at a great reduction. So that the saving of coal first of all, on the difference of price between slack and lump. Commonly, this difference is about one-half to one-third; in other words, say that lump sells at $3, then slack will be ordinarily rated at $1.50 to $2. Where slack is not thus reduced in price, there can not be any reason why it should be more economical than lump coal. Now when anybody talks of reducing the coal bill by substituting slack for lump, he naturally means that that is possible only where slack is cheaper than lump. If it expenses by the use of slack, depends is not cheaper, why bother with it? Slack is not so good as lump at the same price. This at once disposes of all criticism of attempting to reduce first cost of fuel. If the first cost is not itself a saving, there can be no halving of any coal bill.

Yet there is a saving, not of 50 per cent, to be sure, but of an appreciable amount, by supplying an extra quantity of oxygen-charged air, fresh air, to a fire. This is best done above the grate, as all my experiments show both for boilers and for common soft coal burning stoves. If any one wishes to know that a supply of air is advantageous above a fire, let him examine any down draft stove fire. The way the fire grows in fierceness, as well as the way the smoke is better consumed, will likely be satisfactory to the inquirer. The same principle can be applied to common boilers. When smoke is not dark, it is largely burned; when dark, it is composed of cinders and soot, both unconsumed carbon and both burnable. Besides this saving, which can be verified by any one at the expense of a little time and thought, a saving is possible by using the heated air of the boiler top. Now this air is never "super-heated"; it is hot, not to the point of bending the grate bars—unless it be that the grate bars are very poorly cast—with a tension, transverse or lateral, that would cause them to warp sooner or later in any fire. The science of casting bars is a difficult one, as moulders know. The trouble may be in the mixture of the contents of the crucible, or in the manner of cooling the product. However, this is the point: Air must be heated before it will give up oxygen; preliminary heating is therefore a wise and economical thing to do.

The popular idea that water assists combustion because it is water, is erroneous. Water allays dust of slack coal. But its chief function when added to slack is to separate the fine particles which, when wet or damp, are thus better prepared to let the air pass through after being charged into the furnace. In short, there is a chemical reason why water in itself cannot cause carbon to unite with oxygen. Yet, because of this physical reason—that water causes coal to split up when subjected to fire, or causes fine coal not to run together under the trial of fire—this, and this alone is why water to the degree only of dampness should be added to slack. This statement will probably be disputed by "practical" firemen who are wedded to the illusion that water, because it is water, makes a fire burn better, whence arises that wonderful assumption, that a little water makes anything burn better, while a great deal of water puts a fire out. If a little water aids a fire, it is in spite of the water, and because of the water leaving small channels behind (when it evaporates) through which the air can penetrate the mass of coal.

THALEON BLAKE.

[Other articles on this subject by Thaleon Blake, John N. May and S. L. Harper will be found in our issues of September 8, 1906, page 316, October 6, 1906, page 484, and October 20, 1906, page 580.—ED.]



ASPARAGUS PLUMOSUS NANUS AT PETER REINBERG'S, CHICAGO.

Gilia Coronopifolia.

This is a half-hardy biennial of considerable value as a garden plant, according to the Garden, and received an award of merit at the recent meeting of the Royal Horticultural Society of England. The Garden adds: "It bears a large panicle of beautiful scarlet flowers, making a very showy display. The flowering stem reaches a height of two or three feet. The plant is easily raised from seed and thrives best in a fairly light soil."

[Should this prove as easily grown as the older gilias, it might be worth testing as a subject for cutting in late summer.—ED. A. F.]

LANDSCAPE GARDENING AT JAMESTOWN EXPOSITION.

The Pocahontan oak.

RECENT BOOKS.

We can supply any of the books mentioned under this head where the prices are given, if the requisite amount is forwarded with order.

The Book of Cut Flowers.

The opening chapter of this book, written by R. P. Brotherston, Scotland, is of a retrospective and historical character very interesting to those who have time for this kind of thing. This is succeeded by notes on fashion in flowers, selection in flowers, selection and arrangement in colors, and the packing of cut flowers for transmission. The methods adopted would hardly commend themselves to florists in this country. Enveloping each rose in separate paper, for instance, would prove a little troublesome in a few places we know.

But many very artistic arrangements of flowers are figured, and some of the aids to support are worth a trial. The author writes pleasantly and practically upon the numerous methods of floral decoration in rooms, on the table, in churches, at exhibitions and at funerals, while personal decoration also receives notice. The notes show the author to be possessed of the powers of observation and artistic feeling. Excellent descriptive notes on some of the most useful and popular species of annuals and perennials follow, the volume closing with an extremely interesting description of the Japanese methods of floral arrangement. The book is eminently readable throughout, and should be in every florist's library. Price $1.50.

The Garden, You and I.

In this delightful book an entertaining narrative of interesting and pleasant people meanders along, side by side with pithy and useful garden reminders; also hints to lovers of nature and beautiful gardens. We have all read the class of book that pretends to teach gardening through the medium of inane dialogue and chats between master and teacher, or something of this kind. There is nothing of this in "Barbara's" breezy, natural chatter, anecdote, pleasant satire, and sensible logic, all of which follow each other as the book and story unfolds. There are over a score of illustrations of beautiful garden scenes and plants finely produced from photographs, and a pretty bit of color printing in the frontispiece, "A Seaside Garden." Even the "terrible example" of plants so crowded and with so many bare stakes showing, is not without its use. Price is $1.50.

The Season in a Flower garden.

The subtitle of this book is "a handbook of information and instruction for the amateur," and not much more than this need be said about it. It is of convenient size, and the instructions given are for the most part correct, and will be useful to those owning or occupying small gardens, but not employing regular garden help. The book is arranged in three parts, the first called preparation, and containing a small list of garden terms; the second a monthly record of garden operations, going out of business from November until March; the third general information." The author's name is Louise Shelton and the price is $1.

The Book of Market Gardening.

This is one of a series of very instructive little books published in England at various dates. It is by R. Lewis Castle, a well known cultivator and writer after English methods, and of course appeals most strongly to British folks. Still there is much in it that would repay perusal at odd times, particularly the chapter referring to vegetable cropping, and to the methods adopted by large growers. The cultural data are excellent, and the general information concise and readable. Price $1.

The Reclamation Service.

From President Roosevelt's message to the Irrigation Congress at Boise, Idaho, September 3-8, 1906.

Operations under the reclamation act, which I signed on June 17, 1902, have been carried on energetically during the four years since that date. The reclamation service, consisting of over 400 skilled engineers and experts in various lines, has been organized, and it is now handling the work with rapidity and effectiveness. Construction is already well advanced on 23 great enterprises in the arid states and territories. Over 1,000,000 acres of land have been laid out for irrigation, and of this 200,000 acres are now under ditch; 800 miles of canals and ditches and 30,000 feet of tunnel have been completed, and 16,000,000 cubic yards of earth and 3,000,000 cubic yards of rock have been moved. Detailed topographic surveys have been extended over 10,000 square miles of country within which the reclamation work is located, and 20,000 miles of level lines have been run. Three hundred buildings, including offices and sleeping quarters for workmen, have been erected by the reclamation service, and about an equal number by the contractors. Over 10,000 men and about 5,000 horses are at present employed.

The period of general surveys and examinations for projects is past. Effort is now concentrated in getting the water upon a sufficient area of irrigable land in each project to put it on a revenue-producing basis. To bring all the projects to this point will require upwards of $40,000,000, which amount, it is estimated, will be available from the receipts from the disposal of public lands for the years 1901-1908.

The pressing danger just now springs from the desire of nearly every man to get and hold as much land as he can, whether he can handle it profitably or not, and whether or not it is for the interest of the community that he should have it. The prosperity of the present irrigated areas came from the subdivision of the land and the consequent intensive cultivation. With an adequate supply of water, a farm of five acres in some parts of the arid west, or of 40 acres elsewhere, is as large as may be successfully tilled by one family. When, therefore, a man attempts to hold 160 acres of land completely irrigated by government work, he is preventing others from acquiring a home.

WM. BATCHELOR'S NEW SEEDLING COLEUS AT THE PHILADELPHIA SHOW.
Leaves light yellow in center with broad green margin

A. F. Longren.
Representative Chicago Carnation Co.

WITH THE GROWERS

Chicago Carnation Co., Joliet, Ill.

The widespread interest in the carnation work carried on at Chicago Carnation Co.'s establishment made the prospect of a visit very attractive and this was quite justified recently by a look round the stock therein grown. Although other plants are grown more or less, carnations are the principal crop, and they are grown in very large quantities. Luckily our visit was timed just right to see a grand lot of the much talked of Aristocrat, and the sight of 25,000 of this grand carnation in full flower is well worth a journey to Joliet. Aristocrat is a very fine variety without a doubt, its beautiful deep cerise flowers being of excellent form, size and substance. It is borne on fine stiff stems and the flowers are well up in the center, while as to its freedom in flowering, there can be no possible doubt. A. T. Pyfer assured us that they were cutting 18-inch stems on it in September and that the plants have been flowering freely ever since. We can speak of what we saw in early December, and that was a decidedly heavy crop of magnificent flowers, of the most exquisite form and grand substance. Orders are coming in for rooted cuttings very freely and Mr. Pyfer counts on having 150,000 ready for delivery early in the new year.

White Perfection is a grand variety. We have seen no other white to compare with it in the way it holds up its beautiful head and added to this it is an excellent keeper and an abundant producer. This is a coming kind without a doubt and it is being propagated here in very large numbers. Red Riding Hood is the name given to the seedling which was freely exhibited and with such gratifying success by the Chicago Carnation Co. at the Chicago show. It is a beautiful clear scarlet, early and continuous flowering, the stem strong and the habit of growth very desirable in every way. Preparations for its dissemination on January 1 are in a forward state, a very large number of cuttings being already rooted. Valentine is a fine shade of pink, quite a new tint, and the petals have a beautifully clean edge. Judging by its appearance it should ship well and it is extremely free.

Jessica is a fine variegated variety after the style of Patten but a more refined flower. The color of the stripes too is deeper, and its habit and flowering qualities are of the best. Sky Rocket is a pretty red seedling, but rather on the small side compared with those already named. The popular Enchantress is largely grown here, 25,000 of this and the rose pink sport having been benched this year. Large numbers of Daybreak and White Lawson, Bountiful, Lieutenant Peary, Cardinal, Prosperity and other popular market kinds are grown and in common with all the stock here are in excellent cultural shape. A look into the propagating house revealed a grand lot of cuttings, some rooted, others partly rooted and many just inserted. Mr. Pyfer says there are 400,000 in this house, and we took his word for it, not having time to count them.

A. T. Pyfer.
Manager Chicago Carnation Co.

The propagating bench bottoms are of brick resting on T iron supports, and large houses are being cleared of plants to make room for the cuttings, for which orders are pouring in. There are 1,250,000 square feet of glass in all, in 20 finely constructed modern houses. The cellars and office buildings, sheds and other structures are large and commodious, well adapted to the handling of a large volume of business. Both steam and hot water are used, the latter being provided by several large Kroeschell boilers and the steam by two Atlas boilers of 100 h. p. each. Morehead steam traps are used.

A large retail business is done in a fine store on the road to Joliet where excellent flowers of all these choice kinds were noted as well as a large stock of palms and pot plants. For the retail trade several houses of roses are grown in the leading commercial varieties, American Beauty, Uncle John, Bride, Bridesmaid, Mme. Chatenay, Perle, Golden Gate, and Richmond being in good order at the time of our visit. Like the carnations the roses are in fine health the clear air of the district apparently suiting the plants well.

A. T. Pyfer, the present manager of the Chicago Carnation Co., Joliet, Ill., has been with the concern the past five years, in the capacity of bookkeeper until the death of the late James Hartshorne, who was always very confidential with Mr. Pyfer, they working together in harmony in all business transactions. Mr. Pyfer was born August 26, 1878, near the city of Freeport, Ill., attended the country schools and Mt. Morris college, where he prepared himself for teacher, afterward taking a business and shorthand course in the Freeport college of commerce, graduating in 1899. After filling various clerical positions he engaged with John Bauscher Jr., florist of Freeport, Ill., remaining two years and coming to Joliet in 1901 as bookkeeper for the Chicago Carnation Co. Always taking an active interest in the carnation industry, and becoming acquainted with the trade in general, he is well qualified for his present position as manager.

Peter Olsem, the superintendent of the growing for the Chicago Carnation Co., has been connected with the company the past five years, always being in close touch with the late James Hartshorne, whose ideas of growing the carnation he is carrying out. He is making a good showing so far in his new capacity and bids fair to rank among the leading carnation growers of the country. Peter Olsem was born August 11, 1879, coming to this country in 1892 and engaged in the florist business with the leading florists of what was known at that time as Rogers Park, now a part of Chicago. He at once selected the carnation as his favorite flower and has been connected directly or indirectly with the leading carnation growers ever since, being very successful. Much of the Chicago Carnation Co.'s success at the last Chicago flower show was due to Mr. Olsem's hard work in keeping the carnation to the front. Being naturally energetic he became interested in the greenhouse building, and spent several summers with

Peter Olsem.
Grower Chicago Carnation Co.

Michael Winandy, returning to the growing of carnations each winter.

A. F. Longren, the traveling representative of the Chicago Carnation Co., was born in the city of Chicago 27 years ago and was trained in the great greenhouses built to the north of Chicago, beginning his career in the florist business at the age of 14 working in the greenhouses, which at that time were considered large establishments, of several florists on the north side of Chicago. After an apprenticeship of several years, on the inducements held forth in the construction line, he engaged in this phase of the industry with which he has been connected directly or indirectly ever since. A. F. Longren has been connected the past four years with the leading carnation growers in the capacity of traveling representative and grower, and in the past two years has acted in this capacity for the Chicago Carnation Co. As a salesman Mr. Longren can always be relied upon, being a good judge of carnations. He is also able to keep his customers in close touch with all new varieties.

CARNATION ARISTOCRAT DECEMBER 1. 1906.
At Chicago Carnation Co's, Joliet, Ill.

J. D. Thompson Carnation Co., Joliet, Ill.

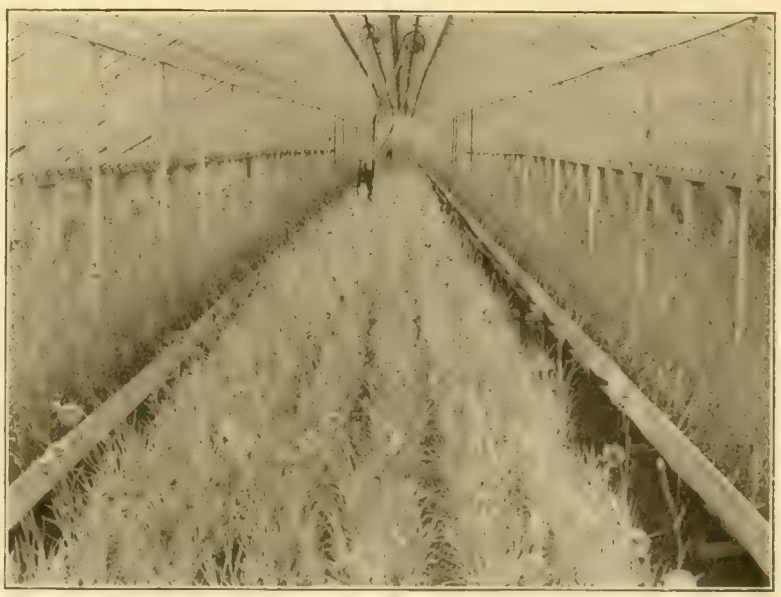
It would be difficult to find a more compact, neater, or more up-to-date plant than that of the J. D. Thompson Co. The houses are of the latest and best construction, admitting all possible light on every side owing to being built separately, with short corridors connecting them midway. A useful scheme in connection with these houses is the small steam pipes running along under the eave plates, the heat from which thaws the snow and ice that lodges on the roof in winter, causing it to slide to the ground and leave the glass clear and the light unobstructed.

The stock in all the houses is in the finest possible cultural condition from the cuttings in the propagating bed to the flowering plants. Not a sign of insects or disease of any kind can be seen and the plants have that robust hard look about them that indicates their having a good grip on the soil. The free growth made too, shows that the soil contains the right kind of nutriment for building up strong healthy plants and fine bold flowers. J. D. Thompson is the ruling spirit here, and only the best in culture, in soil and its preparation, in varieties, or in any other feature connected with the business is good enough for him. A plant has to be very good indeed, possess all the needful market qualifications and be a decided improvement on existing kinds if it is to find a lasting home in the Thompson collection, where many are called but few chosen.

One of the most striking novelties is Lucille, a lovely variety just registered by Mr. Thompson. There are about 600 plants of this on a bench and they certainly are worth seeing. The habit is excellent, the flowering stems long and stiff, holding the flowers perfectly erect, while these are crowded below with other fine grass coming on, showing it to be a perpetual as well as a free bloomer. The flower is magnificent, 3½ inches across, pearly white, lightly overlaid with a delicate shade of pink, full of stiff petals that rise well in the center, and by far the most fragrant of any of the large flowering varieties. Probably this will not be sent out until 1908 but it will be worth waiting for. We counted 14 flowering stems upon one plant selected at random on this bench.

Evangeline is a grand flower the color a bright salmon pink several shades deeper than Enchantress, a tint which finds great favor on the markets. Out of 1,000 plants grown not one per cent has a split calyx and it is to be more largely propagated. Robert Craig is the stand-by here in scarlet, and by all appearances it will soon be the only one grown in this class. There are 16,000 of it benched for cutting and not a poor plant can be seen in the lot. Mr. Thompson proposes growing this practically to the exclusion of all other scarlets and it is difficult to see how it could be improved on as grown here. Rachel Marie Thompson is a pretty pink variety named after the daughter of the house, but though an excellent flower in every respect it is not perhaps as free as some others. About 7,000 of it are grown.

About 4,000 Boston Market are benched this year, but probably this will be its last season here, substitutes of greater value having been found in White Perfection and Belle. Enchantress of course is largely grown and the plants are in excellent shape and full of grand blooms. Rose Pink Enchantress is also well done and mention must be made of an entirely new sport that has appeared here. It is as deep as the Rose Pink Enchantress and when we say that it is a perfectly clear self pink with no streak of any tint of deeper or lighter color, discerning growers will probably understand the value that this sport will have if Mr. Thompson succeeds in fixing it. This does not exhaust the list



CARNATION ARISTOCRAT SEPTEMBER 1, 1906
At Chicago Carnation Co's, Joliet, Ill.

of good things by any means, all the best market kinds being grown in quantity.

The equipment here is of the latest and most up to date kind, two large Kroeschell boilers supplying the steam. By means of valves the pressure is reduced to 5 or 6 pounds, at which it enters the various sections. Red jacket coal from West Virginia is used, this being a hard coal with very little waste and practically no clinker. By means of a switch the coal is brought and unloaded right into the storage and

PROPAGATING CARNATIONS AT POEHLMANN BROTHERS', MORTON GROVE, ILL.

a passenger train stops twice daily for flowers and express parcels that are to be shipped to a distance. Other excellent devices were seen, notably the Morehead steam traps, which return the condensed water automatically at any temperature to the boiler. In case of an accident a system of pumps has also been installed for the same purpose. A word is needed in praise of the excellent system of packing the flowers. They are packed in layers in boxes with thoroughly soaked newspapers, laid the whole length of the stems. The papers are kept for many days in a tank in the cool room, so that they are thoroughly saturated with water, not merely wetted. Strips of oiled paper lie between the blooms and so carefully is the work done, that the flowers from here always arrive at their destination in excellent order. The cool room is finely arranged with three dead air spaces in the walls, the outside vent being below the tables to prevent drafts reaching the flowers. There are many other interesting points about this fine place that might be noted did space permit. Go and see them, is our advice: you are sure to learn something before you leave.

A Nebraskan on Chicago Concerns.

Having arrived home in good order I am sending a few notes on things of interest seen in and around Chicago. First of all must come the Poehlmann Bros. Co.'s fine plant at Morton Grove, Ill. This is the most up to date place I have ever seen and all the stock grown there is in fine cultural condition. Carnation Victory as grown here is a grand thing and I also noted a pink sport of rose Mme. Chatenay that should prove of great value on account of its pure pink color. A bench of Merry Christmas chrysanthemums will be in fine shape for the holidays.

The next place I visited was Vaughan's greenhouses at Western Springs, Ill. Among the many fine things seen here was a grand lot of poinsettias, filling several houses. There was also a fine house of Begonia Gloire de Lorraine, and large lots of solanums, azaleas and Boston ferns in all varieties, coming on for the Christmas trade. A white form of Baby Rambler, and an exceptionally bright form of Rose Pink Enchantress carnation were also noted.

Out at Peter Reinberg's great plant Mrs. Marshall Field rose took my eye at once. It is a strong grower and a very free bloomer, the color a fine pink. I also noted fine Golden Gate, and its sports Ivory and Uncle John, the last named being exceptionally fine.

At Joliet, Ill., I called on the Chicago Carnation Co. and the J. D. Thompson Carnation Co. What I wished particularly to see was Aristocrat and White Perfection carnations growing. They certainly are well named, for the one is the aristocrat of pink carnations the other the perfection of whites. There is a great future before these carnations and I would advise any one who is interested to go and see them at the Chicago Carnation Co.'s greenhouses. Robert Craig and Enchantress were particularly noted at the J. D. Thompson Co.'s place, large houses full of them being there in superb condition.

A look through the sales departments was interesting. At Wietor Bros. the cut stock was excellent and the quick way they cleaned out was surprising. While I was there a box of chrysanthemums from the E. G. Hill Co., Richmond, Ind., was opened, containing fine Golden Dome, a clear bright yellow which took my eye, and a good looking pink. The former is not unlike Yellow Chadwick.

Weiland and Reisch were just unpacking a fine lot of Killarney rose which seems a favorite kind here. All the wholesalers had good stock and plenty of it, with the exception of Bride and Bridesmaid roses, which seemed weak, the latter fine variety being off color.

C. H. FREY.

THE RETAIL TRADE

RETAIL florists give themselves a deal of trouble, and incidentally lose a lot of stock, by placing small pots of ferns and asparagus right in the front of their windows. These plants have been grown close together in a moist atmosphere and when they are spread out in the full light in a window the small amount of soil in the pot dries up so rapidly that it is impossible to keep them in good condition. Their position renders them very difficult to get at to water and a few days usually puts them out of business.

The Alpha Floral Co., Denver, Col.

The Alpha Floral Co. has moved into its new quarters, 424 Sixteenth Street, and really it is a credit to the street. The firm opened up with a big display. Mr. Mahan has been working the last two months getting together different varieties of chrysanthemums, also specimen blooms. I should judge he had about 300 of as fine chrysanthemum blooms as one could wish to see. He also had a nice display of chrysanthemum plants, Begonia Gloire de Lorraine, cyclamens, etc. He claims his opening day was very satisfactory. The store was crowded from morning till night, as he had advertised it extensively during the previous month or six weeks, placing a card in every box of flowers sent out, so that everybody was looking forward to the opening day. He

CARNATION WHITE PERFECTION, NOVEMBER 1, 1906.
At Chicago Carnation Co.'s, Joliet, Ill.

really has one of the nicest stores on the street. It is in a new block just completed, and his new store stands where his old store used to be. He has very handsome fixtures and his arrangement is very complete. He has a full cellar and a palm room in the rear, which is partitioned off with glass so that the heat can be kept in.

PLATTE.

Business Pointers for the Retail Trade.

Paper read by W. C. Hall, Montreal, at the convention of the Canadian Horticultural Association, at Guelph, August 29-30, 1906.

Most of the items that I am obliged to set down as pointers are really, as you will notice, merely things that we ought to do more carefully, or, perhaps, that we entirely neglect to do, in the furthering of our interests in the retail trade. Writers of other papers, in telling you how to grow good stock for our business, invariably tell you to take some earth, and make a good compost; but I start my paper by saying, take some soap and make a good lather. It is no credit to a florist to have a clean place of business; but it is mighty discreditable to be trying to sell stock in a filthy, dirty store. So I say first, take some soap.

I think that white, with light green trimmings, is the color best adapted to a florist's store. Very light frescoes, if any, and, for my taste, absolutely no wall papers. Plain painting, or tinting in tasty light colors makes the florist's stock very attractive to the public.

There are florists who have had many years' experience, whose tastes in floral decorating are legion, who turn out the most beautiful design work, and who have occupied their present premises for some years, yet their stores are dark, dingy, dusty and dirty. I won't say anything about the floor, the color of the walls or fixtures; but $50 to $100 would paint and renovate their stores and make them very pleasant places. That is a pointer.

It is not for me to go into details about cleaning, but I will mention the windows. I have found it necessary to have a regular window cleaning man to look after the windows. When I cleaned the glass myself, something always turned up to take me away; now it is always clean, because it is done regularly.

The proprietor and his clerks should personally be neat and tidy and at all times the essence of good nature—not the kind of good nature that gives a dollar's worth of flowers for a quarter, but pleasant mannered, good listeners, and always ready with a suggestion in good taste.

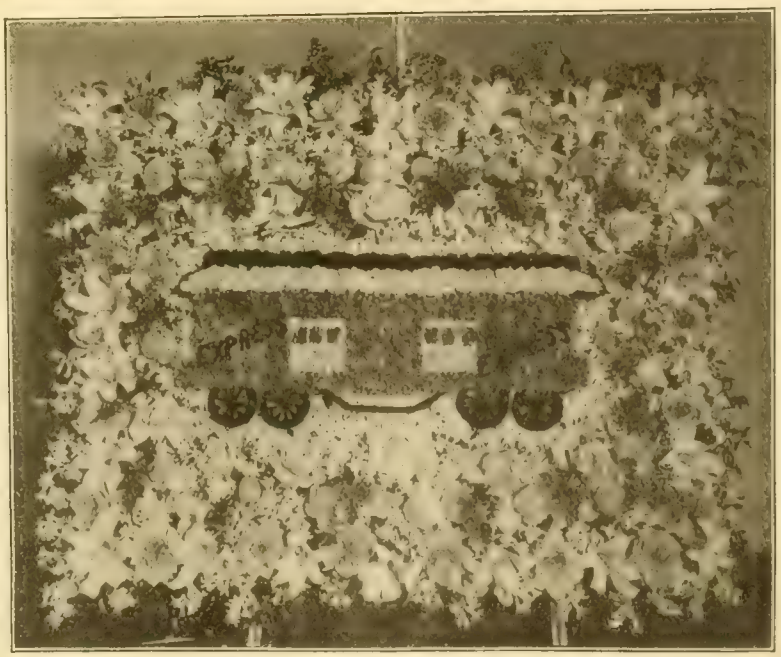
With a neat, clean store and healthy people to run it, you next want the stock. If you do any kind of a regular trade, you must have the flowers always in stock; so have them come in regularly. If you grow stock yourself, or buy locally, have these flowers come in on alternate days with flowers out of town; but always have your own flowers come in Monday, and early, as flowers shipped from a distance on Sunday are often unsatisfactory and arrive late. In my own experience, I have noticed that Monday was always a busy day for floral design work; therefore it was particularly necessary to be prepared with a supply of stocks, lily of the valley, Roman hyacinth, adiantum and other incidentals in season, which are so necessary for nice work.

Buy only the best quality of stock. Of course No. 2 is much cheaper in some cases, if the only difference lies in the length of stems, but for general stock buy No. 1. Always keep on hand a nice assortment of plants. The stock of these is just as important as of cut flowers. Don't be afraid to invest in a novelty or a new variety; it interests your customers, and they in turn advertise your store. If your plant trade is to be successful, sell only well grown, thoroughly established plants and only well hardened plants at the holiday seasons. I attribute much of our success to the selling of this kind of stock. Anyway, if you want a pointer, don't put up palms or Boston ferns just out of a case and sell them at once over the counter. That kind of stuff won't advertise your store—I mean it won't advertise it in the right way.

Make your store attractive. If you are equipped with tile floors, marble top counters, mirrors, fancy fixtures, it is easy; but it matters not if you have none of these. With a few fine palms and ferns you can do wonders; and by moving your plants around and arranging them in different ways with your cut and flowering stock, you can make your place very attractive. Display your stock in a natural way. As your plants don't grow on their sides, don't pile them up that way for your customers to look at.

The window of a florist's store is a great business getter or loser. Don't neglect to dress your window regularly. Take everything out of it at least twice a week, or every day if possible. You want to put stock in your window that people are thinking of buying, and only one kind of flowers at a time. Don't cram your window full of mixed stock. Try a large bowl of golden glow, with a setting of Boston ferns; side glasses, golden glow—yes, common golden glow. The next day two or more fern

DINNER TABLE DECORATION BY J. S. SIMMONS, TORONTO, CANADA.



FLORAL DESIGN BY HOLM & OLSON, ST. PAUL, MINN.

plants. The next day a dozen varieties of asters, if you have them, in as many vases, named on neat cards, and the same ferns. Nothing is so attractive as flowers with their names attached. Then a window filled with aster plants, each color by itself, with a Scottii, a Tarrytown and a Boston fern, each named and raised on pedestals, as a background. Soon you will have chrysanthemums; the window filled first with one color, then another. Next a half dozen pots of pompons in nice jars or pot covers. Then carnations, cyclamen, poinsettias, etc. When you think of it, what a wealth of changes we can make if we want to. How often a florist will say, "I haven't much for the window these days;" and at the same time his window is full of all kinds of stock, and has been so for a long time. He feels dissatisfied with it—people don't seem to be attracted. When he redresses his window he makes the same mistake over and over again—he fills it with mixed stock. Well, look after your window.

Show your best stock. Don't be afraid to have it on view. Keep your stock seasonable and well balanced. Don't have boxes of buggy color and stringing geraniums (New York kind) at your door the whole summer long marked, "Your choice, 5c each." It looks awful, and that sort of a display sends a buyer further along the street or puts the notion out of his head entirely.

When I said "healthy" people to run the store, I meant honest people. Look out for the clerk who gives the dollar's worth of flowers for a quarter and the customer who expects such treatment. Both are blood suckers. But, Mr. Proprietor, don't place temptations in the way of your help; keep your eyes open, see what goes into every parcel and note where it goes. Keep tab on everything. Check your sales and balance your cash every evening. To do all this you must stay in your store as much as possible—yes, and while you are there, serve as many customers as you can yourself. Your customers will appreciate this.

Pay strict attention to charging, boxing and delivery. Many a dollar is lost through not being charged up. Many a customer is lost through careless packing. Many a plant or box of flowers has to be replaced through careless delivery. It all needs very close attention. The collection of accounts has always been a knotty problem. I say, send your bills out regularly every month; then go out and collect them. If a customer cannot pay in 30 days, he won't be better off in 60 days. If you let him alone he will go elsewhere and pay cash for a dozen carnations, or whatever he wants, as long as he owes you a dollar; but make him pay up, no matter if he gets mad. He will come back in a month or so, after he has got into the other fellow. He is bound to deal with you if you make him pay. After awhile you are the only one he can deal with, because you always make him pay.

Here is the final pointer: Don't forget "the early start in the morning."

FLORAL DESIGN BY HOLM & OLSON, ST. PAUL, MINN.

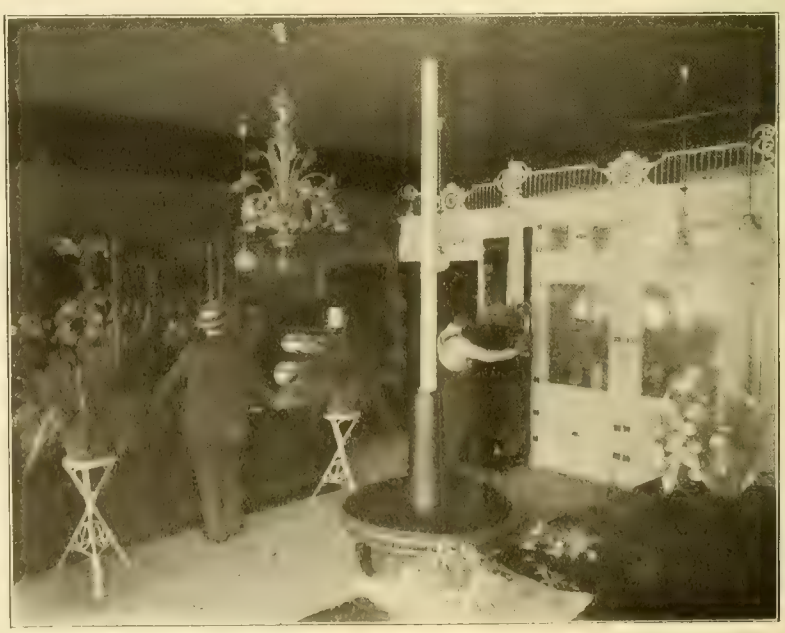
Sports.

A paper by Patrick O'Mara, read before the New York Horticultural Society, December 12, 1906.

About a year and a half ago I was invited to address this body on the subject of "Sports" in connection with a paper read here from Prof. L. C. Corbett. At that time the opportunity was not forthcoming to deliver the address which I had planned, and so the material which was accumulated was lost or mislaid and is not available now. My intention was to address this meeting without the aid of a written paper and thus possibly it would be more extended, but having been called away on a pressing matter, was compelled to hastily put something together so as not to disappoint the members and visitors.

It is with much misgiving as to my fitness for the task that I approach the subject, and willingly would I forego it entirely. It is to be hoped that at some future meeting someone competent to deal with it from its scientific aspect will be found who will address this body on the subject and treat it exhaustively, as I believe there are many of us who are intensely interested in it. The possibility that I may say something which will induce a further ventilation of the subject here is probably the motive which impels me to venture into it now. It is not my purpose to broadly consider the question of sports, but only to confine myself to a few of the leading varieties of cultivated plants which have originated in that manner, with possibly a passing reference to a few noted "seed sports," so popularly designated, to distinguish them from those which have been produced by bud variation.

A sport, as popularly understood



STORE OF ADOLPH BRIX, ST. LOUIS, MO.

amongst florists and gardeners, is that portion of a plant which assumes one or more characteristics essentially different from the rest of the plant, either in flower, foliage or habit. The vexed question amongst gardeners and florists is, how does this change take place? to what prime cause can it be ascribed? I candidly confess to knowing little of what science has imparted on the subject, but that little leads me to believe that nothing definite has been enunciated. The preponderance of opinion as far as I have sounded it seems to be that sporting is due mainly to conditions of growth, or to put it in one word, environment. This cause is not accepted by the vast majority of growers as responsible for the phenomena of sports, the general belief is that it lies in the blood, to use the vernacular, or to put it in one word, heredity.

In his paper presented to this society March 8, 1904, Prof. L. C. Corbett said: "Sporting, then, may be encouraged by extreme conditions. Either extreme feeding or extreme poverty may induce plants or sports. Severe changes in climate or soil conditions may result in decided changes in stature, habits of growth and faithfulness, which are as marked attributes of a sport as are changes in the color of foliage or fruit."

This is undoubtedly true in the abstract, but it is when brought to bear on concrete cases that it fails to fully satisfy. If by extreme feeding is meant the culture given to roses, for example, by florists and gardeners, when forced under glass for winter flowering, the question arises, why are not more sports developed? When thousands of growers are forcing the same variety, it is not always the one who is feeding his crop the heaviest that finds it produces a sport. The fact, too, that a few varieties alone have displayed sportive tendencies to the extent of producing new sorts, strengthens the conviction that the cause lies in the blood.

The rose Catherine Mermet has been the most prolific in sports of the many which have been grown for cut flowers. Its greatest descendants as sports are the Bride and Bridesmaid, the latter displacing the parent entirely. If feeding was the prime cause, why did not many growers find a Bride and a Bridesmaid? Catherine Mermet also produced Waban and I think one or two other sports which have disappeared. Parti-colored sports have appeared occasionally in the Bride and now a grower has one beautifully striped white and pink, the latter being the Bridesmaid color and largely predominating.

Maman Cochet produced a white sport, and in this connection I would say that when a neutral shade like pink is produced, it seems that the combination which produced it carries with it the tendency at some time to produce a white sport. The rose we know as American Beauty has produced two pink sports, American Belle and Queen of Edgely and it is not too much to expect that from these if largely grown would emerge a white sport.

From the rose Safrano came the yellow sport Isabella Sprunt and from Perle des Jardins came Sunset; from the latter I believe came Lady Dorothea, from Golden Gate came Ivory, from Bon Silene came the striped rose American Banner, which in addition to the change in flower showed a marked change in foliage, being decidedly rugose. The latter characteristic is slowly disappearing under propagation, in fact has almost vanished at the present time. Caprice, Striped La France and other striped roses coming from neutral tinted sorts, coupled with the fact that the other sports enumerated follow in the same line, are sufficient warrant for the belief that the combination, which resulted in the parent sorts, laid the foundation for the sports which resulted from them, and that the manner of growth had no part in it as a prime cause.

The sporting cycle in the bouvardia is very interesting and in results it exactly parallels the examples set forth relating to the rose. From B. Hogarth a deep scarlet variety issued B. elegans a lighter colored form, and from that issued B. Davidsoni a pure white. It is interesting to note that two white sports originated at the same time, one in Greenville, now Jersey City, N. J., with Mr. Vreeland and offered as B. Vreelandi, the other B. Davidsoni. They were identical and as Davidsoni was first on the market the other name was dropped. The original stock of B. elegans in both cases was purchased from Peter Henderson and the conclusion arrived at then was that the elements of change were contained in the plants, and that it would occur under any circumstances.

Subsequently a double white and a double pink variety were produced as sports, and later a dwarf variety, White Bouquet, sported from B. Vreelandi with Wm. Bock, of Cambridge, Mass., who retained the old nomenclature (Vreelandi), having the same flowers as the parent, but a dwarf, bushy habit, about a foot high when in flower. The fact that these sports were progressive in color leads to the belief that the cause for their appearance was within the plant rather than that their coming was brought about by outside forces. As bouvardias are largely propagated by root cuttings, it strengthens this belief.

An instance where a white sport issued from a scarlet variety is found in Salvia splendens alba. In Salvia splendens, at the base of the tube is always found a bleached white which extends less or more beyond the sheath; therefore, the white sport seems a natural progression, as the subsequent striped sport is.

The double abutilon, a sport from A. Thompsoni and identical in its variegated foliage and color of flowers is the only case of sporting which I can recall in that plant, although widely grown.

The carnation sports are numerous and here again they are progressive. I cannot recall, for instance, where a yellow issued from a red or white, or a white from a yellow or a crimson. It is when neutral shades are reached that sporting begins. The same is true of chrysanthemums and to a leser extent of dahlias, both of which are very prolific in sports. It seems to be along well defined lines of color changes then that sporting follows, and the layman may well be pardoned when he arrives at the conclusion that it is in the blood and is not brought about by growing conditions. If the latter theory was correct, it seems to me there would be no limit to sports while the limitations seem to be arbitrarily fixed, which is not the case with seminal reproduction.

Another phase of sporting is when the habit of the plant is changed, some examples of which I have alluded to previously. Climbing roses issue frequently from dwarf sorts, particularly in the monthly class. As far as I can recall, the flower in such cases is always identical with the parent. In the hybrid perpetual, and hybrid tea classes too, climbing sports are produced, but there is a difference very marked from the monthly sports. The latter are easily fixed and never "run back," while the others to the best of my knowledge are never absolutely fixed, and there are constant reversions, temporary and permanent, in individual plants.

The foliage sports are many, but I will only mention one, viz., the Golden Bedder coleus, which resulted as a sport from Lady Burrill, a variety with harlequin markings of dark red and yellow. It has never reverted. While on the subject of coleus, I cannot forbear from referring to a marked instance of the occurrence, wide apart, of a similar break in this plant. The golden leaved coleus originated in England and was imported by Peter Henderson. Before the plants arrived, seedlings raised from seed saved on the place from the old dark leaved sorts developed some golden varieties.

In Prof. Corbett's paper, already quoted from, he says, "Burpee's Dwarf lima bean is a good example of a sport where the habit of the plant was markedly changed." This brings us into the realm of seed sports, wider and more complex than the other and I do not mean to explore it to any extent.

Prof. Bailey is authority for the statement that: "Bud variation and seed variation are one in kind," and again: "I am ready to say that I believe bud variation to be one of the most significant and important phenomena of vegetable life, and that it is due to the same causes, operating in essentially the same way, which underlie all variations in the plant world." Again he observes: "I want to express my conviction that mere sports are rarely useful. Sports are no doubt the result of very unusual or complex stimuli or of unwonted refrangibility of the energy of growth, and not having been induced by conditions which act uniformly over a course of time they are likely to be transient." Again "The vexed questions associated with bud variation are not yet greatly elucidated." Again: "All these conclusions prove the unwisdom of endeavoring to account for the evolution of all the forms of life upon any single hypothesis; and they illustrate with greater emphasis the complexity of even the fundamental forces in the progression of organic nature." Again: "Now this matter of bud variation has been a most puzzling one to all writers upon evolution who have touched upon it. It long ago seemed to me to be inexplicable, but it is no more unintelligible than seminal variation of plants." These quotations from "The Survival of the Unlike" are introduced to show how contradictory even an eminent authority on the subject can be, at least so it appears to me, a layman. If I understand him at all, it is to the effect that all sports are the result mainly of the conditions under which the subjects are grown; that all variations are of a sportive character:

that the difference between well cultivated and poorly cultivated plants is a sportive one.

The average florist and gardener is hardly prepared to accept that view, perhaps the reasoning is too subtle for him to follow. He knows that no cultivation of which he is master can make a poor variety into a good one; he knows that sports, as he understands them, are sporadic and many believe that by a careful study of heredity on the part of scientists the law governing sports might be discovered. But to return to the lima bean. Here again we find a cycle of change. Three sports appeared within a very short time, almost simultaneously, viz., Kummerle's, subsequently called Dreer's. Henderson's (the latter appearing with several growers at the same time) and Burpee's. Of the origin of the first two I have no specific knowledge, they merely happened; but as to the last, the raiser—I had almost said the creator—claimed that a horse trod on a plant while it was young, that it never grew to be a climber, and that the beans reproduced dwarf plants. This was generally known in the trade and more than one grower crippled vine plants in an effort to develop a dwarf, but without success.

The White Plume celery is another notable example of a seed sport and once the break came others followed. I had almost forgotten to mention the latest and most interesting forms of sporting, viz., the ferns which have sported from the Boston variety. If I remember correctly, when that variety first made its appearance, there was considerable discussion as to what it really was, and it was finally classified as a sport from Nephrolepis exaltata. Darwin said: "Of all the causes which induce variability, excess of food, whether or not changed in nature, is probably the most powerful." Here again we have the food question. The florist and gardener believes that the amount of food which will bring his crop to the highest perfection is not excessive, possibly he is wrong. The excessive amount is that which will cause deterioration, and it is not under such conditions that sports have appeared with him. It might not serve any useful purpose, yet it seems to promise an interesting field of study for some of our scientists to thoroughly examine into sports obtained through bud variation under domestication in an effort to clear away the mists which now surround their origin.

Broad Beans.

The almost complete failure of broad beans to produce a crop owing to the ravages of the black aphis is well known. A friend of mine, Percy Taylor, has for the past 12 years made beans of all kinds a hobby. He has in the neighborhood of 100 varieties. Last spring he got together all the kinds of broad beans from Europe and this country. Row after row, on July 12, were in the usual condition with black aphis, and barren, except 25 plants among a row of Scarlet Runners, on which there was not a single aphis, and they bore a good crop of perfect pods and beans. On one plant I counted 17 full pods.

JOHN THORPE.

To Be Done Now.

IN THE GREENHOUSES.

Keep Odontoglossum citrosmum quite dry; even if it shrivels, no harm will come to it, as the bulbs plump up again when watered in spring.

Allow all the light possible to the new crop pips of lily of the valley that have not been in cold storage.

A light fumigation should always be given Easter lilies just before the spikes begin to form.

Bulbs fresh from the plunging material should not be exposed to the full light at once, but shaded lightly for a few days.

Keep seedling cyclamen always on the move. If once they are checked they will not start freely until spring.

Avoid giving large shifts to young stock of any kind now, but any growing plants really needing it may be given a small shift.

Sow Dracæna indivisa early and thinly in a gentle bottom heat and when the seedling plants appear see they are not checked.

Grevillea robusta seeds germinate freely in peat and sand, kept always moist, in a moderate temperature.

Resting conditions are best now wherever possible for all classes of palms, ferns, crotons and other foliage plants.

IN THE STORE.

Always take the opportunity of making a fine display when possible, especially when good and showy flowers are cheap.

Cover all flowers at night with tissue paper or other light material as a protection from dust.

The blooms of Cypripedium insigne now appearing are good property, as owing to their long lasting qualities they can frequently be used the second time for table decoration.

Never use or recommend the use of dyed or artificial flowers where there is a chance of trade in natural ones.

Be very careful to write the addresses plainly on all parcels of goods sent out, delay being thus avoided.

The Mexican lælias do not last as long as cattleyas but have longer stems and very bright colors.

Look out for something to fill up with when the chrysanthemums are over. Think out something original.

A thinly arranged wreath or bouquet uses less flowers and is more decorative than one closely packed.

Thick wrapping paper inside a flower box is a fine non-conductor, keeping out the cold in frosty weather.

OUTDOORS.

Take advantage of frosts to get out all manure and compost onto the vacant land.

Where flower pots are lying around outside either cover them up or place them out of the reach of frost without delay.

Get down to work on any necessary alterations, such as removing trees, soil grading and road making.

KEEP the paths on your place in good order so that prospective customers will not be afraid to examine your stock in wet weather.

Cultivate the soil for trees as well as circumstances will allow, as they are usually a long time on the ground, and often little care is given the soil when once they are planted.

In making rockeries try to give as natural an effect as possible; stones sticking up at all angles are neither natural or beautiful.

Give kalmias, rhodendrons and azaleas a moist soil and situation. Lime in the soil in any quantity is fatal to their well doing.

Look after young plantations of larch carefully the first two seasons; after this they will look after themselves.

In making briar or manetti cuttings be sure to take out all eyes excepting two or three at the top to prevent suckering in the plants later. They are better without a heel.

Charles Henry Totty.

Charles Henry Totty, the newly-elected president of the New York Florists' Club, is a native of Shropshire, England, and was born in September, 1873. After passing through the public schools with honors when 14 years of age, he indentured for a three years' apprenticeship in Allbrighton, Shropshire. Completing his term he engaged with the Dickson's at Chester for a year, passing through the graduating course.. Subsequently he spent a year in Liverpool at a private establishment, leaving there to come to the United States, landing in New York in 1893. He at once obtained employment in the establishment of Messrs. Thompson at Canandaigua, N. Y., and stayed there about two years. He then located in Madison, N. J., as foreman under Arthur Herrington at the horticultural establishment of H. M. K. Twombley. He remained there about three years and a half, then taking over on his own account the greenhouse establishment of James Hart.

What he has done since is well known to everybody in the florist's trade. As a disseminator of chrysanthemums he is perhaps best known, and his stagings at the exhibitions all through the country have shown that as a grower of judgment and foresight, he has done very much towards bringing the chrysanthemum, in this country, to the position it now holds among flowers. As a rose and carnaiton grower he is also prominent and the output of his greenhouses, as seen in the New York market, is fully representative of his great capabilities as a florist.

New York Florists' Club.

The annual meeting was held at the Grand Opera House building December 10, with an attendance approaching 150 members. Emil Savoie, Benoit De Meyer, Camille Sierens and H. D. Darlington were elected to membership; and J. D. Cockcroft, C. R. Gloeckner, David Howells, John Seligman, Joseph Levy, and Malachi Tierney were nominated for election at the next meeting.

There was a very interesting exhibition of carnations. A Demonsy, of Brooklyn, showed a vase of crimson carnations which had a score of 85, and was awarded a preliminary certificate. Dailledouze Bros., of Flatbush,

L. I., showed Welcome, a light pink sport from Mrs. T. W. Lawson, with a score of 89, and were awarded a preliminary certificate. John E. Haines, of Bethlehem, Pa., showed a beautiful pink, Imperial, for which he gained a preliminary certificate. Malachi Tierney, of Highlands, N. J., showed a vase of red carnation, Mrs. Robt. Hartshorne, scoring 74, for which he gained a vote of thanks. A. C. Zvolanek, of Boundbrook, N. J., showed a vase of mixed winter flowering sweet peas, for which the club thanked him, and expressed a wish that he show them before the club later in the season. F. G. Mense, of Glencove, L. I., showed a splendid bunch of Princess of Wales violet, and was awarded a cultural certificate. H. Turner, of Castle Gould, L. I., showed a magnificent specimen of Begonia Gloire de Lorraine nearly four feet in diameter, for which he was awarded a cultural certificate.

The resignation of J. N. May, of Summit, N. J., was followed by a resolution making Mr. May an honorary member of the club. C. H. Allen, of Floral aPrk, N. Y., also resigned his membership and was similarly honored.

The election of officers was fraught with unusual interest. All the candidates were popular, and to the voters the ballot seemed like a division of friends. The result was: Chas. H. Totty, president; A. J. Manda, vice-president; John Young, secretary (re-elected); L. W. Wheeler, treasurer; John Scott, Walter F. Sheridan and Julius Roehrs, Jr., trustees for a two-year term. P. O'Mara, Walter F. Sheridan, and Wm. Duckham were the tellers on the ballots. On resolutions, passed with enthusiasm, the votes were made unanimous in each case. Afterwards the successful candidates made addresses and L. W. Wheeler gave notice that at the next meeting he should move to amend section 4, article 5, of the by-laws to the extent that it should require the treasurer to furnish bonds covering the amount in the treasury, and floating income. A committee was appointed to prepare a memorial on the death of the wife of E. V. Hallock, of Queens, L. I., an esteemed member of the club.

Massachusetts Horticultural Society.

At a meeting of the board of trustees of the Massachustees Horticultural Society held December 8 nine new members were elected. Several protests against recent awards made by the committee on vegetables were considered and referred to a special committee for investigation. To provide for such cases in the future a new rule was adopted as follows:

"Whenever any exhibitor shall consider himself personally aggrieved by any award of a prize, he may file a written protest with secretary immediately after such award. The secretary shall forthwith transmit such protest to the committee that made the protested award and such committee shall thereupon reconsider such award. No protest shall be considered unless made as provided in this rule."

It was voted also that the free use of one of the halls of the society's building be granted to the landscape gardening class of the Gardeners' and Florists' Club of Boston.

Committees for the year 1907 were appointed as follows:

Finance.—W. Hunnewell, chairman, A. F. Estabrook, S. M. Weld.

Library.—C. S. Sargeant, chairman, T. O. Fuller, C. W. Jenks, H. P. Walcott, S. Henshaw.

Lectures and Publications. — W. P. Rich, chairman, J. W. Manning, J. A. Pettigrew, E. B. Wilder.

Prizes and Exhibitions.—J. K. M. L. Farquhar, chairman, W. N. Craig, A. H. Fewkes, W. Wheeler, Isaac Locke, W. H. Spooner.

Chas. H. Totty.
President-elect New York Florists' Club.

Plants and Flowers.—A. H. Fewkes, chairman, R. Cameron, W. N. Craig, T. D. Hatfield, W. Nicholson.

Fruits.—W. Wheeler, chairman, C. F. Curtis, J. W. Hill.

Vegetables.—Isaac Locke, chairman, Duncan Finlayson, J. B. Shurtleff, Jr.

Gardens. — C. W. Parker, chairman, Oakes Ames, Geo. Barker, W. N. Craig, W. H. Elliott, A. H. Fewkes, J. A. Pettigrew, W. W. Rawson, W. P. Rich, H. P. Walcott, S. M. Weld.

Children's Gardens. — H. S. Adams, chairman, H. S. Rand, W. E. C. Rich, W. P. Rich.

The St. Louis Horticultural Society.

The executive committee of the St. Louis Horticultural Society held its regular monthly meeting at the residence of Fred H. Meinhardt.

The commitee in session adopted application forms and an attractive folder to be distributed at large which contains extracts from the by-laws of the society and sets forth its objects, aims and privileges, of which some of the most important are "To give at least one creditable flower show each year to its members and invited guests," "Act as authority in horticultural questions pertaining to the best methods of amateur gardening," "Give instructing public lectures relating to beautifying home surroundings," "Issue bulletins on the care of plants in the house or conservatory, and in every manner assist the public in their horticultural wants."

The privileges are so inviting that members have asked to be enrolled without solicitation, besides the folder bears the indorsement and signatures of the president of the Civic League of St. Louis, Dr. Wm. Trelease, director Missouri Botanical Garden; F. W. Taylor, Chief Department of Agriculture and Horticulture Louisiana Purchase Exposition and others, all of whom have volunteered to "stand by the ship." At the next regular meeting preparations will be made for the first grand annual meeting in January. Watch for this, it will surely be something out of the ordinary.

A resolution was offered and adopted indorsing Wm. Young for state vice-president of the S. A. F. for Missouri east.

The next regular meeting takes place the third Tuesday in December.

OTTO G. KOENIG, Secy.

A Thoughtful Giver.

It was a thoughtful and gracious gift, so like the giver, which Mrs. Henry G. Russell presented to the Rhode Island Hospital, as mentioned in the report of its Superintendent. A conservatory, splendidly equipped and cared for as that will necessarily be, is one of those things, the refining and comforting influence of which over the sick and suffering, is beyond computation.

The lesson of quiet contentment which flowers teach is a lesson sadly needed in this striving and struggling world of ours. They bloom patiently in their appointed place, whether it be in the rich man's greenhouse or the poor workwoman's garret. They pour forth their fragrance in the house of prayer or on the desert air. They gladden the sick child in the hospital ward, and the sweetest memories of boyhood to many a world-worn man as he lies on the bed of pain are visions of buttercups and clover blooms with the fragrance of dewy meadows.

It may seem a small thing to lay a bunch of flowers beside a sick woman's cot, or to attempt to sooth a poor family in their bereavement by the tender of a few buds for a baby's coffin. But it is just these little acts of sympathy which touch the heart when great deeds might not be able to melt it. The giver of this greenhouse is a true minister of joy to many hearts, blessing others and being blessed in her gift. — Providence Tribune.

THOMPSONVILLE, CONN.—D. W. Brainard, of Pease street, has remodeled and greatly improved the office and sales department of his establishment.

MILLBROOK, N. Y.—Wm. C. Russel has resigned his position as gardener in chief at the Daheim greenhouses, where he has been employed for 14 years steady. The Daheim fruithouse, 23x542 feet is being painted inside. Stewart Smith, of the Millbrook wholesale greenhouse was in New York last week and Ross M. Welling took his place.

Washington.

A BUSY WEEK.

There is a marked improvement in trade and last week was a busy one. There were a number of high class decorations for dinners and other social events. In addition to the house decorations at the homes of debutantees the counter trade in bunches for the fair ones was also a noteworthy feature. For that class of trade the Killarney roses and Enchantress carnations are very popular. Increased business is telling on the visible supply of stock. At one leading store, on Saturday night, they were completely cleaned out, while at another there was barely enough left for seed. Thus far, in large dinner decorations, American Beauty roses are dividing honors with the poinsettia, the latter being now a good seller, with only a fair supply in sight. Carnations of all grades continue to be decidedly scarce. The price of violets, $3 per 100 retail, has put them out of the reach of many pocketbooks. There is a good demand for all kinds of bouquet green, one commodity which is never over-plentiful in this market.

NOTES.

The Gridiron club gave its first dinner of the season on the night of December 8, in the banquet hall of the Willard hotel. J. H. Small, Jr., who is also a member of the club, personally superintended the decorations. The club has given many dinners but the decorative features of this one seemed to outclass all previous efforts. The big banquet hall was a perfect garden of tall American Beauty roses, poinsettias and tea roses, with a profusion of smilax, palms and foliage plants as a setting.

As stated in THE AMERICAN FLORIST of December 8, the correspondence between Hon. Serremo E. Payne and Benjamin Hammond is of interest to the trade. It should also furnish some amusement to those who have been initiated into the mysteries of standpatism. It has been told of Louis XIV., of France, that he expressed surprise that the Lord had defeated his armies, as he had done so much for the Lord! Pity he didn't live to be a standpater in the Fifty-ninth congress. As the faithful Moslem bows down at the muzzein's call to prayer, so does the standpater when the "infant" industries make a noise like protection. The following is from one of our daily papers:

Massachusetts tariff revisionists in the house, who last session worried the speaker and the republican standpat leaders by their agitation, are renewing the fight.

Butler Ames, of Lowell, who waged his congressional campaign on revision, and who is one of the foremost members of the delegation in the movement to force the stand-patters to give away, today said:

"For two years have I pledged myself and worked for immediate tariff revision, and more firmly and hopefully than ever I believe that now is the time to revise the tariff. By 'now' I mean that we should at once hold a caucus of the republicans of congress to give a concrete expression of our determination to immediately revise the bad qualities present in our tariff law to give all possible notice to the country at large by fixing the time of revision, which should be immediately after the fourth of next March, and to determine the best method of procedure, whether under a special rule to treat only those schedules which are manifestly too high and so a manifest burden on the country generally, or whether it be advisable to open the whole subject."

LADIES' NIGHT AT FLORISTS' CLUB.

Announcement had previously been made that the monthly meeting of the Florists' Club, December 4, would be "ladies' night," consequently a goodly number of members were on hand accompanied by their wives, daughters and in some cases, sweethearts. In a brief address President Bisset said that while a night of entertainment by the ladies was an innovation for the club, the results were so gratifying that he hoped the custom would be established. An excellent musical programme was carried out by Miss O. Ulrickson, Miss Walker and Miss Ward in piano solos. Miss Ida Uhlman's violin solos were very entertaining features. Mrs. Woodhead sang "Annie Laurie" and other Scotch melodies with fine voice and expression.

The John E. Haines carnations, Imperial and Pink Imperial, were again exhibited and, to the writer, seemed a better quality of bloom than when shown here a year ago. Pink Imperial will surely make a good commercial carnation.

Congressman Butler Ames.

Carl Anderson, gardener to Mrs. Southwick Briggs, exhibited a fine specimen of Begonia Gloire de Lorraine.

The hall was nicely decorated with palms and cut flowers and a bountiful collation was served. S. E.

SEATTLE, WASH.—Chas. W. Johnson has severed his connection with the Washington Floral Co.

ORANGE, N. J.—A burglar pried open a side door at Popkin & Collins' salesroom, Main street, December 5, stealing an old coat, two pruning knives and about $4 cash.

WELLSTON, O.—Walter Butler, of Chilicothe, has disposed of his business there to Chas. A. Johnson and has decided to locate here. He intends building greenhouses and conducting a general florists' business.

St. Louis.

GOOD PRICES FOR STOCK.

The market since Thanksgiving has held firm and prices, although lower, have been good. At the time of writing the weather is clear and warm. Carnations are bringing 2 to 4 cents, and roses 1 to 6 cents. Long stemmed American Beauties are in demand and seem to be scarce. Short stemmed ones do not bring much, as they are not in demand. Chrysanthemums seem to be over, although it is expected a few stragglers will be seen as late as Christmas. Narcissi and good Roman hyacinths are in the market and sell well. Stevia, if good and full, is selling well. Violets are now down to 50 and 60 cents per 100. It is a good thing that violets are not over plentiful as the general public does not seem to take to high prices for them. It is to be hoped that the growers will not hold back their stock now that Christmas is two weeks off. Let them take advantage of a daily market and demand and they will find that this will bring them a much better average price. Smilax, Asparagus plumosus and A. Sprengeri are selling well. Lilies and lily of the valley are in demand. Fancy ferns have been scarce and are bringing $2 per 1,000. Holly is selling at $4.50 per case, Delaware stock. Some first-class samples of mistletoe are in the market and it is expected sales will be good on this commodity.

NOTES.

At the greenhouses of C. Young & Sons Co. there will be a very large assortment of flowering plants for the holidays. The azaleas, poinsettias and cyclamens are very fine. The windows of this company's down-town store, 1406 Olive street, show choice specimens of stock very tastefully aranged by Will Dee, who has charge of this department.

The Riessen Floral Co. had the decorations for the ball given by the Daughters of the Confederacy. This concern also made a United States flag of flowers used on the stage in the Olympic theater in Cohan's show, George Washington, Jr.

It is reported that Miss Clara Holtzman, at Young & Sons Co.'s retail establishment, will shortly be married to a young man well known in the wholesale cut flower district.

W. C. Smith & Co. report a good trade. They are handling Boston ferns and Asparagus Sprengeri in pots, also a large assortment of palms.

Julius Beneke is very busy pushing the $10,000 guarantee fund for the mammoth flower show to be held here in 1907 by the Florists' Club.

J. W. Ross, Centralia, Ill., was a recent visitor. He grows roses, carnations and sweet peas. His stock is handled by H. G. Berning.

Wm. Hutchingson is growing some fine carnations, violets and calla lilies. His stock is handled by W. C. Smith & Co.

The Townsend Floral Co. reports trade as first class at Thanksgiving. The firm is booking many orders for Christmas.

J. W. Dunford is now growing carnations, Asparagus Sprengeri, violets and callas. He has discarded roses.

Harry Rieman, formerly with the

Michel Plant and Bulb Co., has started in the landscape and tree business.

Ayers Floral Co. has its hands full with decorations and making preparations for the Christmas holidays.

The Koenig Floral Co. is cutting some fine carnations. The firm expects a full crop for the holidays.

Geo. C. Waldbart has a fine display of begonias, cyclamens, orange trees and other decorative plants.

Chas. J. Bleekert has a fine stock of Begonia Gloire de Lorraine, cyclamens and Boston ferns.

Max Rotter has been very busy with weddings and funeral work the past week.

Chas. Connon has been offered a position with the Michel Plant and Bulb Co.

Adolph G. Ahner is growing some fine violets and Enchantress carnations.

Alex. Waldbart & Sons have a fine stock coming on for the holidays.

C. W. Wors is the proud father of a 12-pound girl, born December 5.

W. F.

Baltimore.

WEATHER AND TRADE GOOD.

The magnificent weather continues and the vivifying sun and bright skies are electrifying alike to men and flowers. Trade has responded and everyone has been busy, the supply of cut flowers, with the exception of chrysanthemums, not being sufficient for the calls. Unfortunately a great proportion of the business done was in funeral flowers, notably for the obsequies of one of the best known and best beloved of our great physicians, Dr. I. E. Atkinson. The whole city grieved, and scores of floral offerings were sent to signify the esteem and sorrow of his afflicted friends. Another exceptional demand was created by the burials of two prominent citizens, killed in a lamentable railway accident in Virginia.

MARYLAND HORTICULTURAL SOCIETY.

The ninth annual meeting and exhibition of the Maryland State Horticultural Society is counted by the officers as its greatest success, and the immense building in which they were held, the Armory of the Fifth Regiment, gave a fine opportunity for displaying the deposits. After the usual ceremonies, the welcome by the mayor and a suitable response by Orlando Harrison, of Worcester county, the president submitted his annual report, which was devoted largely to the necessity of protecting and encouraging the orchard, garden and trucking interests of the state, and filled with energetic warnings against allowing the spread of the insect and bacteria enemies of fruit culture, the pear blight, peach yellows and San Jose scale, threatening to seriously injure if not exterminate these interests, unless by co-operation between individuals, communities, and state officials these dangerous pests, especially in small orchards where system unfortunately does not always prevail, are kept down and destroyed. Wm. Duckham, president of the national chrysanthemum society made an address on that popular flower and the state officials spoke on their several specialties, forestry, noxious insects, etc.

A very large and gratifying show was made of orchard and garden products, including apples, pears, quinces, grapes, nuts, lemons, sweet and white potatoes. There were nearly 150 distinct varieties, it was said, of Maryland grown apples and 1,000 separate exhibits of this popular and healthful fruit. It was too late in the season for peaches, but there was one exhibit from Cloverly Farm, in the mountain peach belt of western Maryland.

Not a very large but a fairly attractive display of flowers and foliage plants was made. George Morrison, gardener to Mrs. Henry Barton Jacobs, had fine specimens of warm house species, and some cut flowers. Isaac H. Mop, Fredk. C. Bauer and Edward Herrmann deposited evergreens and flowering plants, and Edward Krep had a fine wreath of double white camellias and violets. The municipal park department sent in large collections of palms and other decorative plants from Carroll and Patterson parks.

On Thursday evening the governor of the state, Hon. Edwin Warfield, made an address urging the cultivation of flowers and the adornment of country homes by some ornamental planting, as not only a thing desirable and beautiful in itself, but as tending to refined taste, increasing the love of home and the genuine and pure pleasures which only country homes can afford, whilst at the same time impressing neighbors and travelers with the idea of higher ideals prevailing where such decorations exist and, largely more than these cost, increasing the pecuniary value of such places.

There being no admission fee, the society being a creature of the state, the attendance was large. On one afternoon there were 3000 school children in attendance.

At the election Orlando Harrison was elected president for the ensuing term.

NOTES.

Monday night saw a different cause for active trade, that being the night of the first German of the season, where an unwritten social law requires that each debutante of the season shall receive a bouquet from each of her admirers. Sometimes one popular belle will receive from 30 to 40, these bunches being arranged afterwards on the walls, where the wire netting supports the decorations, turning the scene into a veritable garden of flowers. For these offerings the choicest products are required, American Beauty and Bridesmaid roses, orchids, lily of the valley and others. One of the daily papers says the floral display of the season exceeded in extent and quality all former years.

At the Florists' Exchange, which concluded on Saturday night its first week in its new quarters with a very satisfactory result, it is said the quantity of chrysanthemums coming in so late in the season is something quite unprecedented. For the Thanksgiving trade there were boxes upon boxes, far more than could be forced on buyers except at great concessions. On Saturday one grower sent in practically a wagon load of Timothy Eaton.

Thos. Vincent, of W. Baltimore and St. Charles streets, is seriously ill with pleurisy.

S. B.

Pittsburg.

DEMAND AND PRICES GOOD.

A general shortening up of stock occurred during the latter part of the week, and on Saturday night the wholesalers had entirely cleaned up at good prices. Carnations have been running from 2 cents to as high as 5. Roses sold as high as 10 cents while American Beauties were held at $5 per dozen. Violets were plentiful and during the week many thousands went to the barrel. Lilies and lily of the valley have been very scarce. Paper White narcissi and Roman hyacinths were a glut. Daisies, sweet peas and baby primroses are coming in and make welcome additions to the list. A few chrysanthemums are yet to be seen. Asparagus Sprengeri is coming from the south. Everyone is making great preparatons for Christmas as it is looked forward to as being the best yet.

CLUB MEETING.

The Florists' Club met Tuesday evening and there was a display of Christmas plants. Mr. Clark and I. S. Crall of Monongahela, gave us an interesting talk on "How to Offer Plants for Sale." Mr. Clark said there was a fine opening for a first class commercial plant grower and roundly scored local men for letting outside growers come in and take all the orders. The display which comprised all of the Christmas plants were exhibited by H. L. Blind & Bros., the Phipps Conservatories, McRea-Jenkins Co., Mr. Jenkinson, of A. R. Peacock's, and others. John E. Haines also had a vase of Imperial and Pink Imperial carnations. The Pittsburg Florists' Exchange had a vase of Superior (pink) and Purity (white) carnations, grown by the B. K. & B. Floral Co., of Richmond, Ind. They are new varieties and were very favorably commented on.

The next meeting of the Club will be a smoker. E. C. Reineman, H. L. Blind, T. P. Langhans and Julius Ludwig were appointed the committee in charge.

NOTES.

E. M. Hall, Fairmont, W. Va., was in town and stated the candy department he recently established in connection with his florists' business was more than coming up to his expectations.

Mr. Meyers, of Chestnut Hill, was in town during the week. Mr. Meyers sends this city quite a portion of its American Beauties and states he will have a fine crop for Christmas.

T. F. Imboch, of Morgantown, W. Va., in charge of the government experiment station there, was buying Christmas goods during the week.

Wm. Loew is back in his old quarters for Christmas, at Liberty and Ferry streets. Almost all his green goods are in and moving rapidly.

L. L. Lamborn, of Alliance, O., was a recent visitor and while here took in the Pittsburg Rose and Carnation Co.'s place.

Jas. B. Smith, of McKeesport, has returned from the woods where he has been getting laurel and ground pine.

P. J. Demas has returned from a trip through the west.

Mr. Warrick and J. B. Wilson, of Washington, were visitors.

J.

THE AMERICAN FLORIST

TWENTY-SECOND YEAR.

Subscription, $1.00 a year. To Europe, $2.00 Subscriptions accepted only from those in the trade.

Advertisements, on all except cover pages, 10 Cents a Line Agate: $1 00 per inch. Cash with Order.

No Special Position Guaranteed.

Discounts are allowed **only on consecutive insertions**, as follows—6 times, 5 per cent: 13 times, 10 per cent: 26 times, 20 per cent: 52 times, 30 per cent.

Space on front pages and back cover page sold only on yearly contract at $1.00 per inch, net.

The AMERICAN FLORIST Advertising Department is for florists, seedsmen and nurserymen and dealers in wares pertaining to those lines only.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Monday to secure insertion in the issue of the same week. Address

AMERICAN FLORIST CO., Chicago.

When sending us change of address always send the old address at the same time.

We do not assume any responsibility for the opinions of correspondents.

THIS ISSUE 80 PAGES WITH COVERS.

CONTENTS.

Suggestions for florists....979
—Needle pines....979
—Leucothoe sprays....979
—California pepper....979
—Laurel wreathing....979
—Christmas greens....979
—Roman hyacinths....980
—Winterberries....980
—Begonia Gloire de Lorraine....980
—Christmas baskets (illus.)....980
—At the store before Christmas....981
The carnation....981
Chrysanthemums....982
The rose—Grafting roses....984
Palms and ferns....985
Landscape gardening at Jamestown (illus.)....987
Cutting the coal bill in two....988
Gilia coronopifolia....988
Recent books....989
The reclamation service....989
With the growers....990
—Chicago Carnation Co., Joliet, Ill., (illus.)....990
—J. D. Thompson Carnation Co., Joliet, Ill....991
—A Nebraskan on Chicago concerns....992
The retail trade (illus.)....992
—The Alpha Floral Co., Denver, Col....992
—Business pointers for the retail trade....993
Sports....994
To be done now....996
Chas. Henry Totty (portrait)....996
New York Florists' Club....996
Massachuetts Horticultural Society....997
The St. Louis Horticultural Society....997
Washington (portrait)....998
St. Louis....998
Baltimore....999
Pittsburg....999
Chrysanthemum Society of America....1000
American Rose Society....1000
National Congress of Horticulture....1000
Obituary—Geo. R. Moore....1001
—Ernest Huckriede....1001
Chicago notes....1001
Legal points....1002
Azaleas for Easter....1002
Remedies for white fly....1002
Fumigating cucumbers....1002
The Morehead steam trap....1002
Prices of indoor vegetables....1002
Detroit....1003
Chicago....1010
Philadelphia....1012
Boston....1012
Louisville....1012
New York....1014
Cleveland, O....1014
The seed trade....1018
—San Francisco....1018
St. Paul....1020
Omaha....1020
The nursery trade....1022
—Utah state nurserymen meet....1022
—Mountain Misery....1022
Montreal....1024
Special illustrations:
—Unamed seedling rose.... 985
—Wm. Batchelor's new seedling coleus.... 989
—Propagating carnations at Poehlmann Bros.... 992

ARSENIC is often used on punk for fumigating in houses where thrips are troublesome, but care is needed not to use too much.

ROBT. KIFT, the well known Philadelphia florist, says that the violin rubber plant, Ficus pandurata, is the greatest thing that ever came down the pike and reports that he is selling a lot of it at $6 to $10 per plant.

INQUIRY is made regarding the responsibility of the Pine Grove Nurseries, Oriental Nurseries and the Scioto Plant Co. at Portsmouth, O. We respectfully refer inquirer to the National Florists' Board of Trade, 56 Pine street, New York.

THE low price of tobacco stems as fumigating material make it a desirable article, especially for large plants. Some growers say it cannot be used with safety for roses, but it is used by others with perfect success, no injury being caused to the youngest shoots or buds. It is probably a case of the judicious user being successful owing to careful calculation of the amount to be used, and vice versa.

SUBTROPICAL BEDDING.—One of the prettiest bits of subtropical effect, says H. K. Heritage, of Philadelphia, Pa., is produced by planting dwarf or Orinoco bananas, interspersed with Black Beauty canna, and bordered with Verschaffeltii coleus. The bananas can be carried through the winter in tubs or boxes of sand in the cellar, kept almost dry. A better plan is to trim the plants back to the trunk and pot them, keeping them in a cool greenhouse in which the temperature does not fall below 50°.

Important To Subscribers.

The date on the yellow address label on your copy of THE AMERICAN FLORIST will show when your subscription expires. Please renew subscription promptly on expiration to make certain of receiving your copy of each issue.

Chrysanthemum Society of America.

WORK OF THE COMMITTEES.

Chicago, December 1. Mlle. Jeanne Rosette, pink, exhibited by the E. G. Hill Co., Richmond, Ind., scored 91 points commercial scale.

DAVID FRASER, Sec'y.

An Engineering Feat.

R. O. King of the King Construction Co. of N. Tonawanda, N. Y., and Toronto, Ont., has in conjunction with W. W. Wotherspoon of New York been successful, where others had failed, in raising the wreck of the Allan liner Bavarian from the Wye rocks in the St. Lawrence river. Compressed air was the medium used, the water being actually blown out of her by these means, causing the valuable hull to float.

Yuletide.

By sending THE AMERICAN FLORIST to your employes every week of next year they will be given a weekly reminder of you and it will make a most appropriate and useful gift if sent to their home addresses. In many ways it will be a good investment. Send us their names and addresses now, enclosing one dollar for each subscription and we will start with our grand Christmas number and continue sending the paper every week of 1907.

American Rose Society.

MORE PRIZES.

The president of the Washington Florists' Club, Peter Bisset, notifies us that Mrs. S. C. Briggs offers a cash prize of $10 for six or more blooms of any new rose never before exhibited. This prize is given especially to encourage private gardeners, who would be likely to show six blooms but would not be able, owing to limited space, to show a greater number.

H. F. Michell & Co., of Philadelphia, offer a cup valued at $25 for a vase of Richmond rose to be exhibited next March and Miss M. I. Hammond, of Fishkill-on-Hudson, N. Y., offers a $5 gold piece for the prettiest exhibition in the hall, to be decided by some three Washington ladies visiting the exhibition.

BENJAMIN HAMMOND, Sec'y.

National Congress of Horticulture.

One who would safely navigate the ocean finds it essential to occasionally make observations to establish his exact location. He may have kept a record of the ship's course, know to a nicety the force of the wind and of the ocean currents, the number of revolutions of the propeller, and be able to tell just where the ship ought to be, but experience has taught that in addition to this he must by observations ascertain just where it is. In like way those who essay to explore the ocean of the unknown should occasionally make observations and comparisons to ascertain just where they are. We can learn something of this through a mere physical exhibition of what has been and can be accomplished, but it is far more important that we come to an exact knowledge of the laws through and by which the results are obtained. This can only come through a conference between those who are studying these laws, for what seems to be a truth to one and under certain conditions, the experience of another under other conditions may show is only a seeming truth.

It is well for all who are engaged in any particular line of study to meet occasionally for council, that they may ascertain how much of that we think we know is actually so, to ascertain just how far we are in our voyage into the unknown. To this end the National Council of Horticulture has thought it wise to call for the meeting of a congress of the horticulturists of the world to assemble at Jamestown, Va., during the latter part of the exhibition to be held in 1907 to commemorate the four-hundredth anniversary of the first permanent English settlement in what is now the United States. The date of the meeting and the formal programme has not been decided upon but will be announced later; but in the meantime we ask that all interested in progressive horticulture, plan to attend the congress and communicate with H. C. Irish, Missouri Botanical Garden, St. Louis, Mo., U. S. A., as to what definite subjects should be discussed.

W. W. TRACY.

OBITUARY.

George R. Moore.

The death of this well-known grape grower and horticulturist occurred on December 3 at the home of Dr. Nash. Mr. Moore was 55 years of age and was president of Fredonia, N. Y. He was also president of the Chautauqua & Erie Grape Co. and had made a considerable fortune. Leaving home to get medical advice at Buffalo, the deceased was taken so ill en route that he was forced to go to the house of his relative, where he died. A year ago Mr. Moore had a bad fall, sustaining a broken leg, from which he never really recovered. He is survived by a widow, and a son by a former marriage.

Ernest Huckriede.

Ernest Huckriede, senior partner of E. Huckriede & Son, died suddenly December 5. Mr. Huckriede had not been feeling well for several days preceding his death, but insisted on being about. A coughing fit caused a blood vessel to burst and he expired in one of his greenhouses. He was born August 26, 1835, in Westphalia, Germany, and came to this country before he was of age. He was employed by the Vandalia railroad for 35 years. While still with the railroad company he started to grow bedding stock on a small scale. For the last 18 years he devoted his entire time to his greenhouses, gradually adding and improving until he was the owner of a modern, well-kept retail place, which enjoyed a very good patronage. His son and partner, Fred, was his only child. Mr. Huckriede took great interest in church work, superintending Zions church Sunday school for several years.

J.

Chicago Notes.

The John C. Moninger Co. report a great increase in their business this year over any previous one. Although the present is considered by the greenhouse builders as a dull one, and although a very few years ago there was practically nothing doing, yet there are orders and requests for plans and estimates coming in by every mail, and this with the additions to their own plant now in progress keeps every one hustling.

The three-masted schooner La Rabida, bringing to this port 11,000 Christmas trees, was wrecked the night of November 22 off Naubinway, Mich. The boat ran on a reef in the storm and was immediately beached. Capt. Arthur Dow and his two sailors narrowly escaped to shore with their lives.

Percy Jones is sustaining his reputation of having fine chrysanthemums when most others are through. He will have a quantity of yellow Chadwick and Jeanne Nonin (a white) for Christmas.

Mrs. C. W. Reimers, of Louisville, Ky., was in town last week for the purpose of disposing of her poinsettias which she did with no difficulty.

Peter Risch, of Weiland & Risch, was under the weather for several days last week, but is around again in good spirits.

Fire broke out Friday night in the boiler sheds and palm houses of John Weiland, of Evanston, causing a loss of $2000.

R. W. Peterson, of Cincinnati, O., was in town this week showing fine samples of Begonia Gloire de Lorraine.

Kroeschell Bros. Co. have been favored with an order for one of their boilers from Salt Lake City, Utah.

Otto Schwill returned to Memphis, Tenn., after a 10-days stay in this city.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

Cash with Adv.

Plant Advs. NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1906 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—By a first-class grower of roses and carnations; can come well recommended; single, age 26; prefer eastern states.
Key 847, care American Florist.

Situation Wanted—By two florists of good habits, with experience in greenhouse, special bulb forcing, etc.; Hollanders; good references; ages 21 and 23. Address
Key 852, care American Florist.

Situation Wanted—Position as working foreman or manager; A1 rose and carnation grower; good grower of palms, ferns and all Easter stock; southern state preferred. Address
Key 854, care American Florist.

Situation Wanted—By all-around florist; first-class references; married; 20 years' experience on private and commercial places. State particulars and wages in first letter. Address
Key 853, care American Florist.

Situation Wanted—By a hustling, up-to date grower as foreman or assistant; roses and carnations a specialty; 16 years' experience 31 years of age, single; best of references furnished; good wages expected. Would like a place west of Missouri. Address
Key 851, care American Florist.

Help Wanted—A good grower; steady place to a married man; wages, $55. Address
Key 855, care American Florist.

Help Wanted—A good young man to work in greenhouse, take care of carnations, roses, etc.
MULLEN BROS, 1036 Main St., Dubuque, Ia.

Help Wanted—Two gardeners for private places; must be all-around men. State reference.
KLEHM'S NURSERIES, Arlington Heights, Ill.

Help Wanted—At once, a man who understands general greenhouse work; reference expected; state wages.
JOSEPH HEINL & SONS, Jacksonville, Ill.

Help Wanted—Young man to assist in up-to-date flower store; must be decorator and understand taking care of plants, and also be able to wait on good trade. Address
Key 841, care American Florist.

Help Wanted—Carnation grower; must be a No. 1 man, strictly sober and reliable; wages $30 per month with board and washing; state experience and references. Address
Key 844, care American Florist.

Help Wanted—At once, good florist, able to take charge of 10,000 feet of glass; general retail business in central Wisconsin; steady position for the right man. Address
Key 850, care American Florist.

Help Wanted—First-class night fireman, thoroughly familiar with high pressure steam boilers, who has had experience with the vacuum system, to work at large greenhouse plant. Pay good salary. Write
GREEN FLORAL AND NURSERY CO., Dallas, Texas.

Help Wanted—General greenhouse man to take charge of a department; force bulbs, azaleas, grow ferns and a general line of pot plants for retail trade; man between 30 and 40 preferred; must be sober; steady position; wages, $12 per week.
IOWA SEED CO. GREENHOUSES,
30th & Kingman Blvd., Des Moines, Ia.

Wanted to Rent—About 15 000 sq. ft. of glass near Philadelphia, Pa.; must be in good repair. Will take place in spring. Address
EMIL WOHLERT, Bala, Pa.

Wanted—A top florists' delivery wagon for one horse. Address, with price
HAZELWOOD GREENHOUSES, Grinnell, Iowa.

Wanted—Applications of reliable and capable men as salesmen, decorators, or designers, or assistants thereto.
A. W. SMITH,
345 Sixth Ave., Pittsburg, Pa.

For Sale—Carnation supports, $15.00 per 1000; $125.00 for 10,000.
JAMES W. DUNFORD, Clayton, Mo.

For Sale—Nine greenhouses, dwelling house and barn, 3½ acres of ground. For particulars address
P. O. Box 109, Newtown, Bucks Co., Pa.

For Sale—A1 down-town retail store for sale; established 10 years; bargain. Enquire
VAUGHAN & SPERRY, 60 Wabash Ave., Chicago.

For Sale—A No. 686 McCray refrigerator, good as new, for flowers. Going out of business. Cheap. Address
SALVESON & CO.,
426 E. Monroe St., Springfield, Ill.

For Sale—Ice box, used four months, 16 ft. long, 7 ft. wide, 8½ ft. high; accomodations for a commercial or wholesale florist. Will sell at a sacrifice. Address
CHAS. MILLANG,
50 West 29th St., New York.

For Sale—All the glass, 10x12 double strength A, on five houses, each 20 ft. by 115 ft., for $500 as it stands. Will include sash bars and doors. Also two Kroeschell hot water boilers; one steam boiler, 20 H. P., used three months, dirt cheap.
BRANT & NOE FLORAL CO.,
W. Peterson and N. 48th Aves., Chicago.

For Sale—Five modern new greenhouses; 5,000 feet of glass; hot water heat; stocked with carnations, Harrisii, callas, azaleas, ferns, palms, dracaenas, bulbous and bedding plants; four acres, with running stream through grounds; gasoline engine and pump, water tower; boiler house, 14x50 feet, with workroom above, coal bin and storage cellar below; two-room box house, two-room frame house, horse, wagon, plows, harness, pipe, tools, etc.; cut flower boxes, design boxes, wire designs for entire season; two bevel plate show cases, cut flower box with plate glass mirrors, tables and chairs; baskets, doves, sheaves, cycas leaves, and everything connected with an up-to-date establishment. City of 20,000. No competition. Best paying business in southwest. Thanksgiving cut flower sales, $252.20. Price: Before holidays, $5,000; after holidays, $4,000; $2,500 cash, balance to suit purchaser. Reason for selling: Settlement of an estate in the east awaits me; must sell before going. If interested, write. State National Bank, Wells-Fargo or American Express agent. Address
Box 171, Shawnee, Oklahoma.
Capital of new state beyond doubt.
Come prepared to close, if satisfactory; have no time to waste.

FOR SALE.

Old established retail florist's store. Reason for selling, going west. For particulars, write to
F. K., 700 N. 5th St., Philadelphia, Pa

WANTED.

Experienced salesman and decorator for flower department.
WILLIAM DONALDSON & CO.,
Glass Block Store. Minneapolis, Minn.

FOR SALE—Greenhouse Pipe

4 in. boiler tubes, second-hand, in fine condition, absolutely free from scale and with ends cut square. Sample and prices on application.
KROESCHELL BROS. CO.,
45 Erie St., Chicago.

FOR SALE.

COLORADO SPRINGS, COLO.

Wholesale and retail business, well located, 34 greenhouses, 13 acres of land, 4 boilers, 16-60; 2 dwellings. For terms address
WM. CLARK.

FOR SALE.

Des Moines, Iowa, wholesale and retai greenhouse establishment, 29,000 feet o glass, three acres of ground, well located, al in good order, with good wholesale and retai trade. Price, about $8,400; terms reasonable

VAUGHAN'S SEED STORE
CHICAGO.

LEGAL POINTS.

A Washington Smoke Decision.

The suit of J. Louis Loose for $20,000 damages against the Southern railroad on which the jury disagreed, will again go to trial. The contention set up by the railway people was that Mr. Loose's own smoke stacks or those of neighboring florists may have caused damage to his flowers as well as theirs. In charging the jury, Judge Nicols said that if any part of the damage, no matter how small, was caused by other smoke stacks than that of defendant railway company, plaintiff could not recover damages from said company.

S. E.

Orchid Not As Described.

The Court of appeal at Brussels has at present for decision a suit brought by an English orchidist, Mr. Leman, who purchased from M. Linden, a Belgian florist, an orchid for 30,000 francs. This at the time of sale was not in flower and when the flowers opened subsequently they were found to be quite different in color and form from the description given by M. Linden at the time of sale. The Court of trade ordered the restitution of the price paid and the payment of 5,000 francs damages to the disappointed Englishman.

QUERIES.

Azaleas and Roses for Easter.

ED. AMERICAN FLORIST:—

When should Azalea Mme. Van Der Cruyssen, Bernard Andreas and Niobe be brought into a house of 50°, to come in bloom for Easter? They are now in a cold frame. When should roses be potted to come in bloom for Easter such as Crimson Rambler, Paul Neyron, Ullrich Brunner, Mrs. J. Laing, Fisher Holmes and Mme. Plantier?

D.

Five weeks before Easter will be time enough to bring azaleas into a sunny house of 50° at night to have them in bloom for Easter, that is, if the plants have been kept up to that time in a cool place, say 38° to 40° at night. They will stand 35° but should not freeze and unless "D" can keep his cold frame from freezing it will be best to bring the plants into a violet house temperature. Should we have a lot of cloudy weather before Easter, and the plants do not show color two weeks before Easter 60° to 70° at night will do the work, in which case syringing twice a day will be necessary. "D" should not overlook the removing of all new growth which may appear next to the buds during the winter months. If this is neglected, the flower buds will in most cases be either shoved off all together or the flowers will not develop properly.

No time should be lost in potting up roses intended for Easter blooming. After the plants have been thoroughly watered and the soil has settled sufficiently, place the plants into a deep cold frame. Cover the frame with boards, on which spread 12 inches of long straw manure. Remove the plants to a greenhouse early in January. Cut back the small wood on Ramblers a little. Bend back the big canes and tie to root neck, forming a loop. In the case of the other roses, cut the heavy wood back to three eyes, medium to two, light to one eye. Keep the plants at 40° until February then increase the temperature gradually to 55°. Give the plants a good sunny spot. In case of dark, cold weather, you may have to increase the temperature to 60° or 65° at night. MIDDLE WEST.

Remedies for White Fly.

ED. AMERICAN FLORIST:—

We have tried tobacco fumigation and various other treatments for white fly without results. The insects almost cover every plant about the place including cucumbers, tomatoes, lettuce and carnations. Can you not give us a remedy that will be effective? F.

The Bureau of Entomology of the United States Department of Agriculture recommends hydrocyanic-acid gas, but where the use of this is impossible or for some reason undesirable, sprays are recommended as follows: "Among the sprays, the best brands of whale-oil soap, used in the proportion of one to one and one-half ounces per gallon of water, have been found to destroy all of the white flies except the eggs, a small percentage of the nearly mature pupæ, and from 25 to 50 per cent of the adults which escape the spray by flying from the plants. It is not advisable to syringe tomato plants in greenhouses at any time, when avoidable, as syringing interferes with pollination and produces a damp atmosphere which promotes rot, but the injury by syringing may be as nothing compared with that which is caused daily by the insects. When the use of hydrocyanic-acid gas is impractical, an all-night fumigation with a tobacco extract is recommended, followed during the next day by a syringing with a solution of whale-oil soap or its equivalent."

Fumigating Cucumbers.

ED. AMERICAN FLORIST:—

Is fumigating with tobacco stems injurious to cucumber vines? I have used above and some of the leaves have turned light colored, especially where they came in direct contact with smoke. Kindly tell me what is best to fumigate with.

J. H.

Evidently the stems used in your case were injurious, but probably they were used too freely, or allowed to flare. The right quantity to use can only be determined by experiment and two or three light fumigations are far better and less risky than one heavy dose. Always fumigate plants with such soft foliage as cucumbers in the evening, preferably in dull weather.

SILVER CITY, N. M.—Miss Kate Crawford has recently added a new greenhouse to her establishment, with a view to growing plants, and flowers for cutting, for sale in her retail store.

OAK PARK, ILL.—John Farson, the banker has found a diversion, in landscape gardening, from his financial and other business. He became enthusiastic after the flower show, where he purchased shrubs largely, and he is now to be seen in early morning in overalls and sweater, planting these around his house.

Indestructible Greenhouses.

The Channel Islands press has some notices of a new style of greenhouse which is attracting considerable attention among the Guernsey growers. The house is, with exception of the doors and ventilating lights, built entirely of concrete, even the rafters being of the same material. These last are, it appears, made in wooden moulds with thin steel wires in the centers to strengthen them; and it is claimed that they, in common with the rest of the structure, are practically indestructible. These houses are said to need no paint, a coat of lime or whitewash periodically being all that is needed to make them look as good as new. The cost is said to be about 25 shillings ($6) per foot run for a house 30 feet wide. We have not yet had the pleasure of a personal inspection, but if all the claims made are substantiated, the invention should, we think, have a considerable influence upon the future prospects of cultures under glass. We only hope it will not be the means of altering the present legal status of glass houses from "trade fixtures" to "buildings." The inventors are the Ramee Vineries Co., Ltd., Guernsey.—Horticultural Advertiser.

The Morehead Steam Trap.

Among the many appliances that are constantly being placed on the market for perfecting the growth of flowers none seem to have been received with such favor as the Morehead steam trap for greenhouse heating systems manufactured by the Morehead Mfg. Co., of Detroit, Michigan. Florists that have installed this trap are enthusiastic and say that it has proved satisfactory in every way. It is far superior to the old method of employing a pump to return the water of condensation to the boiler against the steam pressure. The Morehead traps recently sold represent a glass area of over 2,000,000 square feet.

The following are a few of the greenhouses recently equipped with the Morehead traps: Memphis Floral Co., Memphis, Tenn., 130,000 square feet of glass surface; Wietor Bros., Chicago, Ill., 500,000 feet; M. Weiland, Evanston, Ill., 700,000 feet glass surface; Arthur James, Wilkinsburg, Pa., 150,000 feet glass surface; John D. Imlay, Zanesville, O., 25,000 feet glass surface; Chas. P. Mueller, Wichita, Kans., 25,000 feet glass; and L. I. Neff, Pittsburgh, Pa., 15,000 feet of glass surface.

Prices of Indoor Vegetables.

The prices of indoor vegetables at leading points December 8 were as follows: Kansas City, cucumbers, $1.50 per dozen. Cincinnati, cucumbers, $1.25 per dozen; lettuce, 10 cents per pound. Minneapolis, cucumbers, $1.50 per dozen; lettuce, $1.25 per dozen. New York, cucumbers, No. 1, $1 to $1.25 per dozen; No. 2, $2 to $4 per box; mushrooms, 70 cents to $1 per pound. Boston, cucumbers, $6 to $8 per box. Chicago, cucumbers, 50 cents to $1.25 per dozen; radishes, 50 cents to 75 cents per dozen bunches.

ALBANY, N. Y.—A fire which fortunately did little damage broke out in the greenhouse of Jacob Gorgen at the rear of 45 Slingerland street November 17.

CHRYSANTHEMUM NOVELTIES.

This Year I Have to Offer Among Many Others:

IN WHITES

WHITE SPORT of Wm. Duckham, winner of the $50.00 Frick Prize at Chicago.
MRS. A. T. MILLER, a lovely white, Certificate, C. S. A.
MONEYMAKER, a white with a commercial future.

IN YELLOWS

ROSE LAWRENCE, MARY GODFREY, BUTTERCUP.

IN PINKS

MISS MIRIAM HANKEY, one of the most beautiful things I have ever handled. Also
MRS. HENRY BARNES, and many others.

My New List Will Be Ready December 1. SEND FOR IT.

CHARLES H. TOTTY, Madison, N. J.

CHRISTMAS GREENS
HEADQUARTERS.

HOLLY
Extra fine, $5.00 per case.
Boxwood.....$15.00 per 100 lbs.
Laurel Festooning, extra quality, 5c and 6c per yd.
Princess Pine Festooning, $6.00 per 100 yds.

WILD SMILAX
$3.50 and $7.00 per case.
Laurel Wreaths, extra quality, $2.50 per doz. upwards.
Branch Laurel.....50c per bunch
Bouquet Geeen, $7.00 per 100 lbs.

GALAX
New Crop Bronze and Green.
$1.00 per 1000; $7.50 per 10,000.
Ferns, Fancy and Dagger, $1.25 per 1000
Leucothoe Sprays, $1.00 per 100
Green and Sphagnum Moss, $1.00 per bbl.

Headquarters for all Florists' Supplies, such as **Red Immortelles,** Wire Designs, Cut Wire, Letters of all kinds, Immortelles, Cycas Leaves, Milkweeds, Sheaves of Wheat, Ribbons, Boxes, Folding, Blue Corrugated, etc. **The House That Can Supply the Goods on a Moment's Notice.**

HENRY M. ROBINSON & CO., 11-15 PROVINCE, ST., 9 CHAPMAN PLACE, L. D. Tel. Main 2617-2618. **Boston, Mass.**

Detroit.

E. A. Fetters and wife announce the marriage of their daughter Gertrude to Welz Stephens.

G. H. Taepke has purchased the greenhouse premises and residence on Elmwood avenue which he has occupied during the past 26 years on a lease. The property embraces several acres and is now very valuable.

The very inclement weather of Wednesday, December 5, was alone responsible for the meager attendance of the club meeting that evening. Very little was done of the work assigned for that date. At the next regular meeting, December 19, the interesting subject, "Christmas Twenty Years Ago and Today," by Ex-president Robert Flowerday, will entertain the members.

Visitors: Chas. Schwake, New York; Robert E. Berry, New York; Thos. Knight, Rutherford, N. J.

J. F. S.

Sinner Brothers

58-60 Wabash Ave., CHICAGO.

GIVE US YOUR CHRISTMAS ORDERS.

Being located in the Growers' Market, with large supplies from our own greenhouses and the stock of two score of the best growers to draw upon, we have facilities second to none for the prompt and satisfactory handling of shipping orders.

XMAS PRICE LIST.

AMERICAN BEAUTIES.	Per dozen
Long stem	$12.00
24-inch stem	10.00
20-inch stem	6.00
15-inch stem	4.00
12-inch stem	3.00
Short stem	$1.50 to 2.00

	Per 100
BRIDES, fancy	$12.00 to $15.00
Good	6.00 to 10.00
MAIDS, fancy	12.00 to 15.00
Good	6.00 to 10.00
GOLDEN GATES, fancy	12.00 to 15.00
Good	6.00 to 10.00
CHATENAY, fancy	$12.00 to $15.00
Good	6.00 to 10.00
LIBERTY and RICHMOND, fancy	15.00 to 20.00
Good	10.00 to 18.00
CARNATIONS, fancy	6.00 to 8.00
Good	4.00 to 5.00
VIOLETS, double	2.00 to 2.50
Single	1.00 to 1.50
PAPER WHITES	3.00 to 4.00
ROMANS	3.00 to 4.00
CALLAS	per dozen, $2.00
FERNS	per 1000, 2.00

SUBJECT TO CHANGE WITHOUT NOTICE.

Give Us Your Christmas Order NOW and You Will Not Be Disappointed.

Your Christmas Orders

For Choice CUT FLOWERS will Receive Prompt Attention.

ROSES, VIOLETS, CARNATIONS,

Lily of the Valley, Lilies, Poinsettias and all other seasonable Cut Flowers.

ASPARAGUS, ADIANTUM, SMILAX.

HORACE E. FROMENT,

Telephones, 2200-2201 Madison Sq. **57 W. 28th Street, NEW YORK CITY.**

WIETOR BROS.

51 Wabash Ave., CHICAGO.

Wholesale Growers of

CUT FLOWERS

AMERICAN BEAUTIES,

ROSES, CARNATIONS.

All in fine condition, large cuts on everything. Prospects good for Xmas.
Book your orders early. Write for Xmas price list.

BUY OF THE GROWERS

Merry Christmas

American Beauties
Richmonds, Brides
Bridesmaids
Liberty, Chatenay and Perles
of Good Supply and
Splendid Quality

J. A. BUDLONG

RELIABLE GROWER AND SHIPPER OF CUT FLOWERS

37-39 Randolph St. ...CHICAGO

Price List on Application

also Carnations
of all the **Best Standard Sorts**; Poinsettias,
Valley, Violets and all other stock
at lowest market
prices. Send us your
orders early which insures
a better fulfillment of them.

Happy New Year

The Benthey-Coatsworth Co.

35 Randolph St., CHICAGO.

We grow the finest Roses for the Chicago Market

CHRISTMAS PRICE LIST.

	Per doz.
AMERICAN BEAUTIES, 3 to 4 feet	$12.00
Medium	$6.00 to 10.00
Short	2.00 to 4.00
Bride, Maid, Uncle John, Richmond, Killarney,	Per 100
Chatenay—No. 1	$12.00 to $15.00
No. 2	8.00 to 10.00
Short	5.00 to 6.00
Bride and Maid, special	18.00 to 20.00
Richmond and Killarney, special	18.00 to 25.00
Carnations, No. 1	5.00 to 6.00
" select specials	8.00

	Per 100
Longiflorum	$18.00 to $20.00
Callas	15.00 to 18.00
Violets	2.00 to 2 50
Valley	4.00 to 5.00
Romans and Paper Whites	4.00
Stevia	1.50 to 2.00
Asparagus Strings	30.00 to 50.00
Smilax	15.00 to 18.00
Ferns, per 1000	2.00
Adiantum, per 100	1.00

THE SQUARE DEAL

EVERYTHING IN READINESS

FOR A RECORD CHRISTMAS TRADE.

NOTHING LOST SIGHT OF OR NEGLECTED IN THE RUSH.

ROSES

of the finest quality from some of the best growers in the best Rose-growing Section of America

Grand Stock of Everything Seasonable

NO DISAPPOINTMENT FOR GROWERS OR BUYERS.

A. M. HENSHAW, WHOLESALE COMMISSION FLORIST

52 WEST 28TH ST, TELEPHONE 5583 MADISON SQ. NEW YORK

CARNATIONS. Rooted Cuttings.

Red Chief. The scarlet for every grower. Has a bright even color, a fine habit, perfectly clean and healthy and leads in productiveness. A Christmas scarlet in every respect.

Bonnie Maid. Edged white and shaded to a pink center; a pleasing and attractive flower. Early and very free.

Aristocrat. Bright cerise pink.

Winsor. Clear silvery pink.

Pocahontas. Bright crimson.

The above 5 varieties $12.00 per 100; $100.00 per 1000.

White Perfection. Always white; $6.00 per 100; $50.00 per 1000.

Rose Pink Enchantress. The true clear rose pink; $7.00 per 100; $60.00 per 1000.

Victory and **Robt. Craig.** Scarlet; $6.00 per 100; $50.00 per 1000.

Pink Patten, pink; **Candace,** pink; **Glendale,** variegated; $5.00 per 100; $40.00 per 1000.

Lady Bountiful, white; **Enchantress,** light pink; $3.00 per 100; $25.00 per 1000.

Selected, well rooted cuttings are what we offer. Send for complete price list.

F. DORNER & SONS CO., .·. La Fayette, Ind.

Wholesale Cut Flowers

OPPORTUNITY

knocks once at every man's door, and it is the successful florist who can recognize the knock and takes advantage of it. Get aboard the good boat and sail into us with an order or two, just to learn that with our goods we always give satisfaction. Write for price list.

J. B. DEAMUD, Pres. W. P. KYLE, Vice-Pres. ALEX. NEWETT, Mgr.

J. B. DEAMUD CO.

"The Busiest House in Chicago."

51 and 53 Wabash Ave., CHICAGO.

HIGH GRADE AMERICAN BEAUTY ROSES

In any quantity for the HOLIDAYS.

CARNATIONS from the Cottage Gardens, embracing exclusive undisseminated varieties, also such well-known kinds as ROBERT CRAIG, ALMA WARD, BEACON and OCTOROON.

LILY OF THE VALLEY, GARDENIAS and all other varieties of CUT FLOWERS in constant supply.

PLACE YOUR ORDERS HERE AND BE ASSURED OF PROMPT DELIVERIES.

JOHN YOUNG

WHOLESALE FLORIST

51 WEST 28th STREET, TELEPHONE 4463-4464 MADISON SQUARE NEW YORK

PITTSBURG CUT FLOWER CO. Ltd.

HEADQUARTERS FOR

Pennsylvania Fancy Green Sheet Moss, Boxwood and Mistletoe.

222 Oliver Ave., PITTSBURG, PA.

BEAVEN'S

Fadeless Sheet Moss

$3.50 per bag.

Southern Wild Smilax

IN ANY QUANTITY.

E. A. BEAVEN, Evergreen, Ala.

HOLLY

Choice Delaware Stock.

Dark green and well filled with bright red berries, solidly packed in standard cases. Freight prepaid, cash in advance with order, single case, $4.00; five cases or more, $3.50 per case. By express, C. O. D., $3.00 per case.

HOLLY WREATHS, 14-in., in diameter, made from perfect green holly, with four large clusters of berries; by freight, prepaid, per 100, $10.00; by express, C. O. D., per 100, $9.00.

Order early and can ship promptly on any date desired.

H. AUSTIN, Felton, Del.

RICE BROTHERS

WHOLESALE 113 N. 6th St.,

SHIPPERS of home grown Cut Flowers, comprising the newest varieties of blooms. Full line of supplies and decorative greens. Trial order solicited. Weekly price list issued.

MINNEAPOLIS, MINN.

Holly and Holly Wreaths

Dark green and well berried.

Choice Delaware, per case, 2x2x4 ft...$3.00
Choice Virginia, per case, 2x2x4 ft.... 2.75
Holly Wreaths.....10 and 12c
Laurel Roping.....3c per yard
Cash. Order early and will ship on any date desired

HARRY L. HUBBS,
N. E. Cor. 34th and Cumberland Sts.,
Commission Merchant, **PHILADELPHIA, PA.**

BOUQUET GREEN

Best quality at **lowest rates.** We gather our own **Greens** and bring by our own boat direct. Also **CHRISTMAS TREES.**

Northern Michigan Evergreen Nursery.

SCHOONER GEO. L. WRENN, H. Schuenemann, Capt. S. W. cor. Clark St. Bridge, **CHICAGO.**

SOUTHERN WILD
SMILAX.

Caldwell The Woodsman Co.
EVERGREEN, ALABAMA.

POINSETTIAS
FOR THE HOLIDAYS.

WE have a reputation for supplying the **Choicest Poinsettias** shipped out of the Chicago market. Our grower is **"right in line"** again this year. **Place your order now.** $2.00, $3.00, $4.00 and $5.00 per doz. We also anticipate having a good supply of all kinds of **Christmas Cut Flowers**—get in touch with us now. It will pay you.

HEADQUARTERS FOR

Bouquet Green, Evergreen Wreathing, Holly Wreaths, Fancy Holly, Artificial Poinsettias, sample mailed for 25c.

COMPLETE HOLIDAY CIRCULAR MAILED FREE.

E. F. WINTERSON CO.

45-47-49 Wabash Ave., CHICAGO.

Please mention the American Florist when writing.

Extra Fine New Crop **FANCY FERNS** **$1.50 per 1000** Discount on large orders.

Green and Bronze Galax, $1.25 per 1000. **Boxwood,** 20c per lb.; 50 lbs., $8.50.
Send for our weekly price list on Cut Flowers. Let us have your standing order for Ferns; will make price right all through the season.

MICHIGAN CUT FLOWER EXCHANGE

WM. DILGER, Mgr. 38 and 40 Broadway, formerly Miami Ave., DETROIT, MICH.

Please mention the American Florist when writing.

HOLLY! HOLLY! HOLLY!

Holly Wreaths, Lycopodium and **Lycopodium Wreathing.** Our man in the woods with 12 years' experience in packing, can ship you direct and thus save extra expense of freight. Choice, well-berried **Holly Wreaths,** $10.00 to $15.00 per 100. **Delaware Holly,** $3.00 per case. Cash with order please.

DUMONT & CO., WHOLESALE FLORIST, 1305 Filbert Street, **Philadelphia.**

Xmas Greens

HOLLY, BOUQUET GREEN, LAUREL,

MISTLETOE.

WREATHING,

NEEDLE PINES,

HOLLY AND EVERGREEN WREATHS, Etc.

Write or Wire Us Your Orders Now. Same Will be Billed at Lowest Market Rates.

Vaughan's Seed Store,

CHICAGO,
84-86 Randolph Street.

NEW YORK,
14 Barclay Street.

Chrysanthemums, Roses, Beauties, Carnations, Lilies, Lilies of the Valley, Violets, Asparagus and Smilax.

All orders receive prompt and personal attention. Trial orders solicited.

HENRY M. ROBINSON & CO.

WHOLESALE FLORIST. . .

TELEPHONES: 2617 and 2618 Main.

11-15 Province St., 9 Chapman Place, BOSTON, MASS.

The New Wholesale House in St. Louis.

WM. C. SMITH & CO.

1316 Pine St., ST. LOUIS, MO.

WHOLESALE DEALERS IN EVERYTHING FOR FLORISTS. Consignments Solicited. Both Long Distance Phones

Last Call for Holiday Business. Advertise in Next Wesk's Issue

Chicago.

A WEEK OF CLEAR WEATHER NEEDED.

Trade can be said to be about normal for the time of year. There is not a great deal doing, and possibly there is more time to find fault with conditions than at some other times; still good stock is moving in a satisfactory manner. The call for American Beauty roses is very active, due largely to the fact that there are hardly enough to go around. Other roses are in good supply. The quality is off a bit on some varieties, notably Bridesmaid and Killarney. There are just about enough carnations to meet demands. These, too, are a bit off in quality. Violets are in plentiful supply, and some very fine blooms are seen. Bulb stock does not seem to be moving any too well. Orchids have been going well, in fact, many more cattleyas could have been sold had they been in the market. Gardenias are a scarce article, bringing all the way from 60 cents to $1 each. Most greens are in very good supply, but Asparagus Sprengeri remains somewhat short. The conditions of the Christmas trade will depend very largely on the character of the weather in the next 10 days. Clear and cold weather will put all kinds of stock into excellent shape, but weather such as we have had the past couple of weeks would certainly work a hardship. Both holly and Christmas greens is in great demand for the holidays. Holly is plentiful enough, selling from $3.25 to $4, the best grades even going as high as $5. Green is scarce this year, going readily at $10 to $11. Some has been sold at as high as $12.

WHOLESALERS' HOLIDAY STOCK.

Zech & Mann will offer their usual fine assortment for the holidays. Bride, Bridesmaid, Liberty and Richmond roses, the leading varieties of carnations, narcissus, Roman hyacinths, poinsettias and smilax will be their principal supply. John Zech, after his splendid trade at Thanksgiving, is hoping he may duplicate that success this approaching holiday.

For a novelty, a number of Sunrise roses may be seen at Peter Reinberg's. Leonard Kill also reports having sold some Marshall Field with 48-inch stems. A specialty has been made this season with Uncle John, a rose of a rare shade of pink, somewhat lighter than Bridesmaid. Other roses, too, are appearing in excellent shape.

The J. B. Deamud Co. is offering some exceptionally fine carnations of such varieties as Enchantress, White Cloud, Boston Market, Lawson and Morning Glory. Roses, too, will be in good supply. This firm has just received a fresh supply of perpetuated sheet moss.

J. A. Budlong's Bride and Bridesmaid roses continue to come in fine shape. An excellent crop of these is expected for the holidays. Lawson carnations of superior color were also seen at this place. Enchantress and Boston Market also are doing well.

The Benthey-Coatsworth Co. expect a full crop of tea roses which are a specialty with this house. Bride, Bridesmaid, Killarney and Richmond, all promise a good account of themselves.

Scheiden & Schoos will be especially strong on carnations and smilax for Christmas. This firm has just entered the violet market on a small scale, showing a few choice bunches this week.

Poehlmann Bros. will have their usual crop of roses for the holidays, especially in red, plenty of Richmond being in sight. White chrysanthemums also will be an offering of this firm.

Bassett & Washburn will have as a Christmas specialty some extra fine giganteum lilies. Roses, carnations and greens of the desirable grades are also offered.

Wietor Bros. are through with their chrysanthemums and are getting ready for propagating. Their roses are looking exceptionally fine for the Christmas cut.

The A. L. Randall Co. are offering fancy mignonette, violets, stevia, Paper White narcissus, Roman hyacinths, carnations and roses, especially Liberty.

The E. F. Winterson Co. will have poinsettias, the Christmas flower par excellence, in quantity, and of a quality not to be surpassed.

The signs are that Sinner Bros. will continue through the holidays their present success with narcissus, tea roses and carnations.

Chas. W. McKellar will offer a good lot of orchids and poinsettias, not overlooking other flowers, especially violets.

NOTES.

Shippers are advising buyers to place orders for Christmas early. December 23 is usually the heaviest shipping day from this market, but this date falls on Sunday this year, and there are likely to be delays and disappointments for the tardy ones.

At an executive committee meeting of the Horticultural Society, held at the Auditorium Annex December 7, there was a good attendance and Secretary Rudd presented his report on the fall exhibition, showing a deficit of $314.78.

E. H. Hunt has received a carload of holly, exceptionally well berried.

Visitors: Eli Cross and Geo. F. Crabb, Grand Rapids, Mich.; H. P. Smith, Piqua, O.; Wm. C. Murray, representing F. E. Rue, B. Juerjens, and J. C. Murray, Peoria; J. L. Johnson, De Kalb; John Willius, Danville; Fred Rowe, with the Phœnix Nursery Co., Bloomington; H. J. Fuhlbruegge and wife, Winona, Minn.; Paul M. Palez, manager Joseph W. Vestal & Son, Little Rock, Ark.; Mrs. Thos. Hinchliffe, Racine, Wis.; Alex Siegel, St. Louis, Mo.; J. G. Crozier, Cedar Rapids, Ia.; J. F. Finch, Mishawaka, Ind.; Gus. Colburg, of Colburg & Lemke, successors to the Swanson Floral Co., St. Paul, Minn.; H. V. Hunkel, Milwaukee, Wis.; E. H. R. Green, Dallas, Tex.; Lyman Potter, Waukegan; Chas. Frueh, Saginaw, Mich.; A. E. Haentze and daughter, Fond du Lac, Wis.; F. J. Foster, St. Louis, Mo.

WIETOR BROS.,

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.

51 Wabash Ave., CHICAGO.

Please mention the American Florist when writing

Florists' Supplies of all kinds at lowest prices.

	Per 100	
CARNATIONS, large fancy	$ 6 00 to	$8 00
" good stock	4 00 to	5 00
Violets, double	2 00 to	2 50
" single	1 50 to	2 00
	Per doz.	
Poinsettias, fancy	$3 00 to	$4 00
" small	2 00 to	2 50
Callas, Harrisii	2 00 to	3 00
	Per 100	
Valley	$4 00 to	$5 00
Paper Whites, Romans	3 00 to	4 00
Stevia	1 50 to	2 00
Mignonette	4 00 to	8 00

ORCHIDS

MY SPECIALTY

Holiday Price List

	Per doz.	
ORCHIDS, a Specialty.		
Cattleyas	$9 00 to	$12 00
Dendrobium Formosum	5 00 to	6 00
Cypripediums		3 00
Assorted Orchids....per box,	5 00 to	25 00
BEAUTIES, Extra Fancy		12 00
" 24 to 36-in. stems	8 00 to	10 00
" 15 to 20-in. stems	5 00 to	6 00
" Short stems	1 50 to	3 00
	Per 100	
Brides, Maids, Ivory, firsts	$12 00 to	$15 00
" " " seconds	6 00 to	10 00
Perle, Gate, firsts	10 00 to	15 00
" " seconds	6 00 to	8 00
Liberty, Richmond	10 00 to	25 00
Chatenay, Sunrise, firsts	12 00 to	15 00
" " seconds	8 00 to	10 00
Roses, my selection		6 00
Marguerites ....per 100,	1 00 to	2 00
Smilax....per doz.,		2 00
Asparagus ....per string,	35 to	50
Plumosus, Sprengeri..per bunch,	35 to	75
Adiantum ....per 100,	1 00 to	1 50
Ferns....per 1000,		2 00
"		1 00
Galax		75
Leucothoe....per 100,		
Red Berries....per case,	2 00 to	5 00
Mistletoe ....per lb., 25c; 25 lbs.,		5 00
Boxwood Sprays..per bu., 25c; 100 lbs.,		$15 00
Wild Smilax..per case, $3 00, $4 00, $5 00, $6 00		

Prices subject to change without notice.

Give me your advance order for Christmas, and you can feel assured of securing the best stock this market supplies.

CHAS. W. McKELLAR

51 Wabash Avenue, : : : CHICAGO

E. H. HUNT, "The Old Reliable"

Wholesale Florist---76 Wabash Avenue, CHICAGO.

Roses, Carnations, Violets, Ferns, Etc., in any quantity. Also well-berried **Xmas Holly.** Send orders early.

E. C. AMLING

THE LARGEST, BEST EQUIPPED, MOST CENTRALLY LOCATED WHOLESALE CUT FLOWER HOUSE IN CHICAGO.

32, 34, 36 RANDOLPH ST., CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Please mention the American Florist when writing.

Carnations Our Specialty

OTHER SEASONABLE FLOWERS, SMILAX, ETC.

Can fill your order now or at any other time. Best stock grown around Chicago Our own and consignments from 15 other large growers, AT MARKET PRICES.

SCHEIDEN & SCHOOS,

Wholesale Cut Flowers. L. D. Phone Cent. 3067. 58-60 Wabash Ave., CHICAGO

Be your own Commission Man

THE

FLOWER GROWERS' MARKET

furnishes the facilities.

See PERCY JONES, Mgr.

60 Wabash Ave., CHICAGO.

Please mention the American Florist when writing

Vaughan & Sperry,

Wholesale Florists,

58 and 60 Wabash Ave., CHICAGO.

WRITE FOR SPECIAL PRICES.

Please mention the American Florist when writing.

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO,

Wholesale Dealers and Growers of Cut Flowers

GREENHOUSES: HINSDALE, ILL.

Please mention the American Florist when writing.

Poehlmann Bros. Co.

Wholesale Growers of and Dealers in Cut Flowers.

All telegraph and telephone orders given prompt attention.

Greenhouses: MORTON GROVE, ILL. 35-37 Randolph St., CHICAGO.

Please mention the American Florist when writing

Wholesale Flower Markets

CHICAGO, DEC. 12.

Roses, Beauty, 30 to 36-in. stems	$4 00@	5 00
" " 20 to 24-in. "	$2 50@	3 00
" " 15 to 18-in. "	1 50@	2 00
" " 12-in.	75@	1 00
" Liberty, Chatenay	4 00@	7 00
" Bride, Bridesmaid	4 00@	7 00
" Golden Gate	4 00@	7 00
" Killarney, Richmond	4 00@	10 00
Carnations	1 50@	2 00
" fancy	3 00@	4 00
Lily of the valley	2 00@	5 00
Cattleyas....per doz.,	$6 00@	$7 50
Harrisii lilies, per doz.,	$2 00@	$2 50
Asparagus plumosus, per string,	35c@	50c
" per bu.,	35c@	$1 00
" Sprengeri	2 00@	4 00
Green Galax		1 00
Galax leaves.....per 1000,	$1 25	
Adiantum	75@	1 00
Fancy ferns.....per 1000,	$2 00	
Smilax.....per string,	10c@	12½c
Chrysanthemums, per doz.,	$1 00@	$3 00
Violets	50@	1 25
Leucothoe sprays		75
Wild smilax, 25 lb., $3: 40 lb., $4: 50 lb., $5		

WEILAND & RISCH

Wholesale Growers and Shippers of CUT FLOWERS

59 Wabash Ave., CHICAGO.

'Phone Central 879.

Write for our wholesale price list.

WHOLESALE FLORISTS

The Geo. Wittbold Co.

1657-1659 Buckingham Place, CHICAGO.

The only retail florist in Chicago who grows his own cut flowers.

FUNERAL WORK ORDERS, OUR SPECIALTY.

Please mention the American Florist when writing.

SINNER BROS.

WHOLESALE CUT FLOWERS

60 Wabash Ave., Chicago.

Careful attention to all

SHIPPING ORDERS.

Please mention the American Florist when writing.

Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO.

Telephone, Central 3294.

Always mention the American Florist when you order stock.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty.....

WHOLESALE GROWER of CUT FLOWERS

KENNICOTT BROS. COMPANY

40-42-44 Randolph St., CHICAGO.

Our reputation has always been that we fill orders when others fail. All stock in season at Lowest Market Rates.

THE BENTHEY-COATSWORTH CO.

35 RANDOLPH ST. WHOLESALE FLORISTS CHICAGO.

POINSETTIAS in quantity, very good stock, 15c, 25c and 40c.
DELIVERY NOW AND CHRISTMAS.
S. S. PENNOCK-MEEHAN CO., 1610-1618 LUDLOW ST., **Philadelphia, Pa.**

Philadelphia.

PRICES ADVANCING.

Business the past week has been good for the season, there being very little stock left over. Chrysanthemums are still to be seen in limited quantities, but have ceased to be a factor. Poinsettias are coming in lively and help out, their showy heads being much admired in table decorations. American Beauty roses are scarce, very scarce. New York is after the whole supply and the retailers have to look sharp to keep up their stock. Even Bride and Bridesmaid were shipped to New York wholesalers the past week. Prices have jumped on all roses, the special American Beauty leading off with $7.50 per dozen. The select teas bring $15 per 100. Carnations have moved up in sympathy, $6 now being the price for all the top notchers. Good lily of the valley is scarce, there seeming to be but little fine stock coming in. Violets sell out clean at good prices. In all branches of the business there is great activity in getting ready for the holiday trade. The green goods men have large orders for holly, laurel, wreaths and lycopodium, all reporting an increase over the business of last season. Prices remain much the same except for loose lycopodium, which is quoted at 10 to 12 cents per pound. Box is moving lively at $15 per 100 pounds. Statice wreaths have sold well the past year or two and large quantities are being made up in the stores. Holly seems very well berried this season and is coming in in fine shape. The wholesale supply men say they have had an exceptional demand for Christmas goods, such as bells, wreaths, crepe paper, immortelles, etc. Bayersdorfer & Co. and M. Rice & Co. are working to the limit to keep up with their orders. E. J. Fancourt, of the Pennock-Meehan Co., says they have never had such a demand for red ribbon, large shipments going out for the trade all over the country.

NOTES.

The Leo Niessen Co. is handling quantities of Christmas greens. Large lots of cut box are turned out every day, it seeming to be a great favorite this season. Fine crops of American Beauty roses are in sight for Christmas and large orders have been booked already. There will be a fine stock of blooming plants for the holiday demand, the leaders being azaleas, poinsettias, begonias and cyclamens.

Dennis Connor, of the Lord & Burnham Co., is keeping busy these days. The last leaves of his order book contain the following: For Alfred Burton, a house 22x200. For Geo. Burton, three houses 21x132. August Doemling, Lansdowne, five houses 21x150. Also a conservatory for the private grounds of E. R. Hoffman, of Angora. He has also numerous inquiries for new work which he thinks will materialize in the early spring.

The Philadelphia Carnation Co., at its establishment at Secane, is making a great hit with a large house of mushrooms which is now in full crop. Fifty to 75 pounds a day at the present market price of over $1 per pound is just a litle comforting when we count up the week's business.

Wm. E. McKissick is handling some very choice red roses. He says that from the advance orders received there is no question but that the Christmas trade will be all O. K.

K.

Boston.

TRADE SLOW.

With the market at present unusually well filled with general stock, appearances for a plentiful supply of Christmas flowers are quite favorable especially considering the exceedingly dark days experienced of late. Although the past week was a busy one for traders in certain sections, the general market was found to have surplus stock after each day's business. Specialties moved off well, but the ordinary flowers dragged heavily. The last of the chrysanthemums are now coming in, a few good yellow Bonnaffon and Maud Dean being still seen. The chrysanthemum season of 1906 has been the worst for many years. Unlike other seasons which have usually produced something new, this year we have seen nothing but the veterans, and these in poor shape. We have now an excellent variety of the best carnations and they have attained their usual prominent position in the market. Of special interest is the pink Mrs. Patten, a fine deep pink, much resembling Mrs. Lawson, but smaller. The variegated Mrs. Patten is also attractive, as is Fair Maid, Fiancee, Prosperity and white Lawson. American Beauty roses have improved considerably and though higher in price, are plentiful. Richmond, Killarney and Mme. Chatenay lead in demand for tea roses. Violets have become more plentiful but the call has fallen off slightly, being transferred to orchids, gardenias and lily of the valley. The market is well supplied with stevia which is of great utility. Easter lilies and poinsettias, both valuable holiday stock, are in the market, but at rather high prices. In the small flowers we have different varieties of bouvardias, hyacinths, pansies and others.

NOTES.

Peter Fisher, the renowned originator of the famous Lawson carnation, has devoted his entire establishment to the propagating of new carnations. Among these, the celebrated scarlet variety Beacon, one of his own productions, is being grown for stock; it will be placed on the market next year. It is the best red carnation claiming this state as its birth place and no doubt will take high rank among this raiser's productions.

Samuel Goddard is having great success with his new carnation Helen Goddard, which achieved great fame last year. The stock of this variety now on the market is greatly admired and it ranks with those first class carnations which have come to stay.

The Waban Rose Conservatories is cutting some of the finest American Beauty roses of its career, surpassing in many ways those received from out of town specialists. The best Bridesmaid seen in the market this season is also from this firm.

The excellent stock of various choice orchids which T. J. Butterworth so ably produces are now in full bloom and he sends to market daily beautiful specimens of cattleyas and cypripediums.

Dell Cartwright, the popular and genial salesman for the Waban Rose Conservatories, is the proud possessor of a new son which greeted him December 8.

B.

Louisville.

STOCK AND TRADE GOOD.

The past week has been a very good one, almost everything having been used up. The weather is very changeable, and it has been cloudy for sometime, which no doubt will affect the Christmas crops to some extent. There is still some demand for chrysanthemums, which are hard to get of good size. The demand for roses has increased. The supply and quality are both good. Carnations have had an unusually heavy demand, there being just about enough on the market to meet it. The quality is very good. Violets have been in great demand, and the supply fell short. The quality is good. Lily of the valley has a good demand, and is to be had in small quantities of good quality. Green goods are in satisfactory supply.

NOTES.

The regular monthly meeting of the Kentucky Society of Florists was held December 4 at August R. Baumer's store, with a very good attendance. The election of officers was very interesting, the following being the result: Mrs. C. B. Thompson, president; August R. Baumer, vice-president; Fred L. Schulz, secretary; Joseph Wettle, treasurer; Louis Kirch, financial secretary; Ross Walker, sergeant-at-arms, and H. Kleinstarink, trustee. Robert Campbell was elected honorary member. The next meeting will be held at Joseph Wettle's on January 3.

This time the cigars are on John Hettinger. It's a girl! This makes about 16 in Germantown during the past few months. A very progressive country.

William Walker continues to have an atractive window.

F. L. S.

PITTSBURG, PA.—Boxwood sprays, dotted with clusters of immortelles are a Christmas feature of the Diamond street market.

POINSETTIAS

$25.00 to $40.00 per 100.

THE LEO NIESSEN CO.

WHOLESALE FLORIST.

Open From 7 A. M. to 8 P. M.

1217 Arch St., PHILADELPHIA, PA.

Your Xmas Flowers

American Beauties, Richmonds, Carnations, Violets

and all other Stock. Get Your Order in Early.

PITTSBURG FLORISTS' EXCHANGE, 228 Diamond St., Pittsburg, Pa.

NOW READY

to fill orders for American Beauties, Lily of the Valley, Carnations and all varieties of Tea Roses in lots of one hundred to one thousand at short notice. Get our prices before ordering elsewhere.

WELCH BROTHERS, 226 Devonshire St., BOSTON, MASS.

ASPARAGUS PLUMOSUS NANUS.

Cut Strings, 50 cents each.

W. H. ELLIOTT, Brighton, Mass.

THE

J. M. McCullough's Sons Co.

Wholesale Commission Florists.

CONSIGNMENTS SOLICITED.

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES, SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

Please mention the American Florist when writing

THE

Rose Pink Enchantress

Is the best and the most profitable pink carnation in sight. If ever you had a good thing on your bench you will be sure to find one in the

Rose Pink Enchantress

Ask me who has it in your neighborhood, and I will unhesitatingly refer you to your own neighbor. It is THE carnation to grow.

Price:—Strong rooted cuttings, $7.00 per 100; $60.00 per 1000. Address

S. S. SKIDELSKY,

824 No. 24th Street, PHILADELPHIA, PA.

Please mention the American Florist when writing

OFFICIAL S. A. F.

Shipping Labels

FOR CUT FLOWERS; in two colors on gummed paper; your card, etc., in black and leaf adopted by the S. A. F. in red. Price per 500, $2.85; per 1000, $4.50. Samples on request. Electro of leaf, postpaid, $1.25.

American Florist Co.

324 Dearborn St., CHICAGO.

Wholesale Flower Markets

PHILADELPHIA, Dec. 12.

Roses, Tea	3 00@ 4 00
" " extra	6 00@10 00
" Liberty	4 00@15 00
" Queen of Edgely, extra	40 00@60 00
" " first	25 00@30 00
" Beauty, extra	40 00@60 00
" " first	25 00@30 00
Carnations	2 50@ 6 00
Lily of the Valley	2 00@ 5 00
Asparagus, bunch	25 00@50 00
Smilax	15 00@20 00
Adiantum	1 00@ 1 50
Cattleyas	50 00@60 00
Gardenias	50 00@60 00
Lilium Harrisii	12 50@15 00
Violets, single	50@ 1 00
" double	1 00@ 1 50
Chrysanthemum special	40 00@50 00
" extra	20 00@30 00
" medium	10 00@16 00

BOSTON, Dec. 12.

Roses, Beauty, best	30 00@40 00
" " medium	20 00@25 00
" " culls	4 00@ 8 00
" Bride, Bridesmaid	2 00@ 4 00
" Extra	6 00@ 8 00
" Liberty	6 00@25 00
Carnations	1 00@ 2 00
" Fancy	2 00@ 3 00
Lily of the Valley	2 00@ 4 00
Smilax	8 00@12 00
Adiantum	1 00@ 1 50
Asparagus	35 00@50 00
Sweet peas	25@ 75
Violets	75@ 1 00
Asters	75@ 1 00

BUFFALO, Dec. 12.

Roses, Beauty	40 00@50 00
" Bride, Bridesmaid, Meteor	4 00@10 00
Carnations	1 50@ 3 50
Lily of the valley	3 00@ 4 00
Asparagus, strings	40 00@50 00
Smilax	15 00
Adiantum	75@ 1 50
Lilies	5 00@15 00
Chrysanthemums	8 00@25 00
Violets	1 50@ 2 00

H. G. BERNING,

Wholesale Florist

1402 Pine St., ST. LOUIS, MO.

Please mention the American Florist when writing.

Nephrolepis Whitmani

2¼-inch, $25.00 100,

Boston Ferns 2¼-in. $3.00 per 100.

Henry H. Barrows & Sons, WHITMAN MASS.

J. B. MURDOCH & CO.

WHOLESALE FLORISTS,

FLORISTS' SUPPLIES.

545 Liberty Ave., PITTSBURG, PA.

Please mention the American Florist when writing.

C. A. KUEHN,

Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

Please mention the American Florist when writing.

POMPON CHRYSANTHEMUMS. ALL SEASONABLE CUT FLOWERS.

ABSOLUTELY THE BEST POSSIBLE SERVICE.

W. E. McKissick

WHOLESALE FLORIST.

Business Hours 7 a.m. to 8 p.m.

1221 Filbert Street, PHILADELPHIA, PA.

Holton & Hunkel Co.

Wholesale Florists

Milwaukee, Wis.

Nephrolepis Whitmani

Young plants from bench,

$6.00.....per 100.

DAVIS BROS., Morrison, Ill.

New York.

MARKET SATISFACTORY TO GROWERS.

Taking everything into consideration the market is highly satisfactory from a grower's standpoint, at least as far as prices are concerned. Nearly everything is what may be termed high in price, so much so that in some cases retailers can hardly turn a profit on the wholesale price. A light supply, of course, creates this condition, which, although satisfactory, is not the best for the general trade. Roses are very light, and, when selected, run a few points above maximum quotations. Richmond, Liberty and Meteor are in good demand, but are somewhat short in stem as yet. American Beauty roses are also wanted, and while short grades seem pretty good, specials are not yet at their best. Killarney and Chatenay have an increased following in the race for popularity and seem to more than make good. Carnations are a good article, and prices are pretty strong. Grades above the minimum are plentiful, an average price for general sorts of medium grade being four cents. Crimson varieties are coming to the front, and color seems to be the thing with purchasers. Bulbous stock is coming in freely. Paper White narcissus sells well. Violets are plentiful and keep pretty well to the established price. Chrysanthemums are nearing the end but will probably be in the market until Christmas. Some excellent stock is coming in every day and prices are pretty strong at quotations. Stevia is a prominent thing just now and rose geraniums sell well. Orchids have gone up a little, and are somewhat shorter in supply, consequently cleaning up is not difficult. Lily of the valley is holding up well to the maximum of quotations. Lilies, also, through scarcity, keep up pretty well at quoted figures. Smilax and asparagus move very well. Christmas greens are on the move, and the prospects are that a big business will result. Christmas trees are arriving and with the roping and wreaths offered a holiday aspect is given to such stores as cater to the wants of retailers in this line.

NOTES.

John P. Scherer, of Union Hill, N. J., the green goods dealer, has just returned from a visit to his newly acquired Ulster county territory. As a result of his trip some very fine laurel is coming to the city by the carload. Princess pine and Christmas trees are also arriving from the same source. Mr. Scherer has completed arrangements with C. W. Eberman, the Thirtieth street wholesale plantsman, to carry for him a stock of greens, including galax and ferns, and thus afford the advantage of a city depot which has been much needed.

The window of A. Warendorff's store at Broadway and Twenty-eighth street looked very brilliant last week with a lavish display of poinsettias. A close inspection, however, showed that the flowers used in the background were of the crepe paper variety. For all that the window served its purpose. The use of artificial flowers in Broadway store windows is anything but novel, more than one florist having been guilty of the practice of late. Artificial hydrangea blooms and foliage have all had their season in prominent stores.

The second annual ball of the wholesalers' employes is announced to take place on Saturday, January 5, at the Manhattan Casino, One Hundred and Fifty-fifth street and Eighth avenue. A first-class regimental band has been secured for the occasion and a big crowd is anticipated. The officers of the association are N. C. Schreiner, president; Charles Matthews, vice president; John Foley, treasurer; John Egenbrod, financial secretary; and Arthur Weise, recording secretary.

The New York Cut Flower Exchange was in total darkness one morning last week at market opening, owing to an accident to the electric lighting service. Such an occurrence so early in the morning was rather a problem to the many growers in atendance. That a shut down until daylight was avoided was due to Phil Kessler, who from some source or other got a supply of candles and presented one to each grower.

George Cotsonas & Co. have provided themselves with an unusually large stock of holiday requisites and anticipate the largest volume of holiday business since their establishment. Thousands of yards of roping daily come from their "mill" and their premises are crowded with the offerings.

Lou Kuebler, of Brooklyn, met with a painful accident on Monday morning early. While near the Coogan building he slipped on the icy pavement and cut his head badly. Immediate medical attendance was secured and he was able to reach his home.

The sympathy of the trade goes out to E. V. Hallock, of Queens, L. I., in the death of his wife which occurred suddenly at her residence on December 8. Funeral services were held at the house on Monday morning, and interment was made later.

John Young will have a fine offering for the Christmas trade. Besides some high grade American Beauty and other roses, he will have carnations from the Cottage Gardens Co. in fancy qualities, and a lot of gardenias with stems three feet long.

Ernest Sampson, for many years at Hodgson's, is now with C. W. Eberman.

Visitors: Wm. F. Kasting, Buffalo, N. Y.; Wm. J. Stewart, Boston, Mass.

Cleveland, O.

TRADE SLOW.

Trade the past week has been a trifle slow, but as there was a shortening up in the cut of all lines of stock, little was left over. Very few chrysanthemums are to be seen in the market now and these are very poor. Roman hyacinths have put in an appearance and will be eagerly sought for funeral work. Quantities of stevia, pansies and Paper White narcissus are to be had and poinsettias have also arrived.

NOTES.

A visit to the greenhouses of Mc Murray & Son, Wapakeneta, revealed fine stock. Cyclamen is the specialty grown and the plants are well worth going to see. A fine lot of ferns give evidence of good culture.

Chas. Bramley, of Bramley & Mann, is the originator of a new idea in buttonhole wear, which consists of a miniature plant in a flower pot. He claims that it is impossible to fill orders for them fast enough.

J. M. Gasser will again resume the control of his business, having been judged capable by the court the past week. He will spend the winter in the south and possibly take a trip to Bermuda.

The Ohio Floral Co. will add new houses to the already large plant during the coming season.

J. Kirchner, of Quincy street, has had a fine run of funeral work the past week.

Visitors: S. S. and Mrs. Lamborn, Alliance, O.

OHIO.

Lenox, Mass.

The meeting of the Lenox Horticultural Society took place December 1, president S. Carlquist in the chair. The following members were unanimously elected as officers for the ensuing year: F. Heeremans, president; W. Jack, vice president; Robt. Speirs, treasurer; Geo. Foulsham, secretary, and Joseph Tousey, assistant secretary. After all business had been dispatched, refreshments were served, after which several of the members gave an exemplification of their vocal and instrumental abilities. Altogether a very enjoyable evening was spent.

G. F.

GEIGERTOWN, PA.—Chas. V. Geiger has his new greenhouse in operation on his farm near White Bear. Theodore Sheeler will have charge.

VICTORY HAS MADE GOOD.

Place your orders early for Rooted Cuttings. Prices: $6.00 per 100; $50.00 per 1000.

GUTTMAN & WEBER,

The Wholesale Florist of New York, 43 W. 28th STREET. Grower, LYNBROOK, L. I.

HORACE E. FROMENT, Wholesale, Commission,
Successor to William Ghormley.
Orchids, Roses, Carnations, Valley, Lilies, Etc.
57 West 28th Street, NEW YORK CITY.
Telephones 2200 and 2201 Madison Square.

Alexander J. Guttman,
THE WHOLESALE FLORIST OF NEW YORK,
43 West 28th Street.
Write for prices on any variety of cut flowers, not only for Christmas, but for all the year round. Enough said.

Choice Carnations. Selected Roses.
Traendly & Schenck
NEW YORK CITY,
44 W. 28th Street, Cut Flower Exchange.
New Telephone No. 798 & 799 Madison Sq.
Please mention the American Florist when writing

CARNATIONS
MY SPECIALTY
Consignments Solicited. Prompt Payments
Established 1891.
Alfred H. Langjahr, 55 W. 28th St., NEW YORK.
Telephone 3924 Madison Square.
Please mention the American Florist when writing.

FORD BROS.
Receivers and Shippers of
Fresh Flowers
48 West 28th St. NEW YORK.
Telephone 3870-3871 Madison Sq.

N. Y. Cut Flower Exchange
Coogan Bldg., 6th Ave. & W. 26th St., New York.
Open for Cut Flower Sales at 6 o'clock Every Morning.
Desirable Wall Space to Rent for Advertising.
V. S. DORVAL, JR., Secretary.

JOHN P. SCHERER
Wholesale Dealer in
EVERGREENS, GALAX, FERNS and DECORATIVE SUPPLIES.
Christmas Greens and Christmas Trees a Specialty.
Telephone 328 L Union. 636 Garden St., UNION HILL, N. J.

ORCHIDS
Largest Importers, Exporters, Growers and Hybridists in the World.
SANDER, St. Albans, England.
NEW YORK OFFICE: Room 1, 235 Broadway. T. MELLSTROM Agent.

Orchids!
ARRIVED IN FINE CONDITION.
Cattleya Harrisoniae, C. Intermedia, C. Gigas, C. Trianae, C. Speciosissima, C. Leopoldii, Laelia purpurata, Oncidium varicosum Rogersii, Marshallianum, Phalaenopsis amabilis and P. Schilleriana.
Lager & Hurrell, SUMMIT, N. J.
Orchid Growers and Importers.

ORCHIDS...
(28 HOUSES)
Imported, semi-established, established, and fine Hybrids. Stove and greenhouse plants.
Inspection invited. Correspondence solicited.
JULIUS ROEHRS CO., Rutherford, N. J.

Charles H. Totty
WHOLESALE FLORIST
Chrysanthemum Novelties A Specialty. MADISON, N. J.

Wholesale Flower Markets

NEW YORK, Dec. 12.

Roses, Beauty, best	20 00@50 00
" " medium	10 00@20 00
" " culls	3 00@10 00
" Liberty, best	3 00@12 00
" " culls	1 00@ 3 00
" Bride, Bridesmaid, G. Gate	2 00@10 00
" Kaiserin, Carnot	2 00@12 00
Carnations	1 50@ 3 00
" fancy and novelties	3 00@ 5 00
Lily of the valley	1 00@ 4 00
Lilies	6 00@15 00
Violets	75@ 1 25
Smilax	6 00@ 8 00
Adiantum	50@ 1 00
Asparagus	20 00@50 00
Chrysanthemums, doz.	$0 50@$2 00

Thomas Young
WHOLESALE FLORIST.
43 West 28th St., NEW YORK.

Moore, Hentz & Nash,
Wholesale Commission Florists,
55 and 57 West 26th Street,
Telephone No. 756 Madison Square. New York.

N. Lecakes & Co.
53 W. 28th St., NEW YORK.
Tel. No. 1214 Madison Square
Stands at Cut Flower Exchange, Coogan Bldg., W. 26th Street & 34th Street Cut Flower Market. SPECIALTIES: Galax Leaves, Ferns and Leucothoe Sprays, Holly, Princess Pine and all kinds of Evergreens.
Green and Bronze Galax Leaves, $1.00 per 1000.

A. J. FELLOURIS,
J. J. Fellouris, Manager.
Wholesale and Retail Dealer in all kines of
EVERGREENS,
Fancy and Dagger Ferns, Bronze and Green Galax.
Telephone, 2675 Madison Square.
52 West 28th Street, NEW YORK.

George Cotsonas & Co.
Wholesale and Retail Dealers in all kinds of
Evergreens.
Fancy and Dagger Ferns, Bronze and Green Galax.
Phone 1203 Mad. Sq.
Main Store, 50 W. 28th St., NEW YORK

—FLOWERS SHIPPED BY—
JOHN I. RAYNOR
Are the best product of the best growers for the New York Market.
Adiantum Croweanum sold here exclusively.
49 W. 28th St., NEW YORK.
Tel. 1998 Madison Square.

Walter F. Sheridan,
WHOLESALE FLORIST,
Telephones 3532 and 3533 Madison Square.
39 West 28th St., NEW YORK.
Please mention the American Florist when writing.

J. Seligman. Joseph J. Levy
John Seligman & Co.
WHOLESALE FLORISTS
56 West 26th Street, NEW YORK.
OPPOSITE N. Y. CUT FLOWER CO.
Everything in Cut Flowers. Consignments from growers solicited. Prompt returns. Best prices. Satisfaction guaranteed. Tel. 4878 Madison.
Please mention the American Florist when writing.

PHIL. F. KESSLER
Wholesale Commission Florist
Telephones { 2921 / 5243 } Madison Square.
55 WEST 26th STREET,
Consignments solicited. Prompt payments. New York.
Please mention the American Florist when writing.

A. M. HENSHAW
Wholesale Commission Florist,
Consignments of first-class stock solicited. A Square Deal guaranteed to all who trade here.
Telephone 5583 Madison.
52 W. 28th St., NEW YORK
Please mention the American Florist when writing.

A. L. Young & Co.
WHOLESALE FLORISTS.
Consignments of choice cut flowers solicited. Give us a trial.
54 West 28th St, NEW YORK.
Telephone, 3559 Madison Square.

C. W. EBERMAN
Wholesale and Commission
PLANTS AND EVERGREENS
GALAX, FERNS, MOSS.
Consignments Solicited.
53 W. 30th Street, Telephone 3767 Mad. Sq. NEW YORK.

THE KERVAN COMPANY,
20 West 27th St., NEW YORK.
Wholesale dealers in fresh cut Palmetto and Cycas Palm leaves, Galax, Leucothoe, Ferns, Mosses and all Decorating Evergreens.

J. K. ALLEN.
Wholesale Commission Florist.
106 West 28th St., NEW YORK CITY.
Open every day at 6:00 A.M. Tel. 167 Madison Sq.

CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

William H. Donohoe, No. 2 West 29th St., (One Door Off 5th Ave.) NEW YORK.

PHONES: 3034 and 3035 MADISON SQUARE.

Write, wire or telephone your orders to the above. Personal attention assured.

The best is none too good. Prices always right. Send me your next order.

DETROIT.

JOHN BREITMEYER'S SONS

Cor. MIAMI and GRATIOT AVES.

DETROIT, MICH.

...Artistic Designs...

High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

MILWAUKEE.

C. C. Pollworth Co.

MILWAUKEE, WIS.

Will take proper care of your orders in WISCONSIN.

INDIANAPOLIS.

Bertermann Bros. Co.

FLORISTS

241 Massachusetts Ave., INDIANAPOLIS, IND.

ST. LOUIS.

Fred. C. Weber,

FLORIST,

4320-4328 Olive St., ST. LOUIS, MO.

Established 1873. Bell, Lindell 676.

DENVER.

The Park ...Floral Co.

J. A. VALENTINE, President. DENVER, COLO.

OMAHA.

HESS & SWOBODA,

Florists,

1416 Farnam Street, OMAHA, NEB

'Phone 1501 and L. 1582.

Please mention the American Florist when writing.

DENVER.

FLORAL DESIGNS AND FLOWERS.

Best Quality on Shortest Notice.

DANIELS & FISHER, DENVER, COLO.

Order by mail, telephone, telegraph or cable.

Cable address: "Daniels Denver."

LONDON PARIS BERLIN

A. Lange

Prompt Attention to STEAMSHIP ORDERS.

Main Address 40 East Madison Street, Heyworth Bldg. ... CHICAGO.

Agents in all Leading European Cities.

GUDE BROS. CO. FLORISTS 1214 F ST. N.W. WASHINGTON D.C.

WASHINGTON, D. C.

Gude's.

CHICAGO.

P. J. HAUSWIRTH

Auditorium Annex,

CHICAGO.

Mail, telegraph or telephone orders filled promptly in best style.

BUFFALO.

Palmer's

Buffalo, N. Y.

W. J. Palmer & Son, 304 Main St.

WASHINGTON.

GEO. H. COOKE,

FLORIST

Connecticut Avenue and L Street,

WASHINGTON, D. C.

KANSAS CITY.

Samuel Murray

...FLORIST...

Coates House Conservatory

1017 Broadway, KANSAS CITY, MO.

Both 'Phones 2670 Main.

Write, Telephone or Telegraph. All orders given prompt attention.

KANSAS CITY.

GEO. M. KELLOGG,

906 Grand Avenue.

KANSAS CITY and PLEASANT HILL, MO.

Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

BROOKLYN, N. Y.

Robert G. Wilson

Fulton St. and Greene Ave. BROOKLYN

Greenhouses: Short Hills, N. J.

—Deliveries in—

Greater New York, Long Island and New Jersey.

Trade orders from all parts of the country filled for delivery at residence, steamer, hotel, or theater on wholesale basis. Satisfaction guaranteed. Wire or telephone.

ST. PAUL.

HOLM & OLSON,

ST. PAUL.

THE LEADING FLORISTS OF THE NORTHWEST

Orders will be well cared for anywhere in Minnesota and the Dakotas.

GALVESTON.

Mrs. M. A. Hansen,

—FLORIST—

Galveston, Texas.

Special attention given to Telegraph or Telephone Orders. 'Phone 1912.

JACKSONVILLE.

MILLS THE FLORIST,

36 W. Forsyth Street,

JACKSONVILLE, FLA.

WASHINGTON.

Mayberry & Hoover

Florists and Decorators

1339 Fourteenth St., Northwest

Telephone North 508. WASHINGTON, D. C.

New Orleans

CUT FLOWERS

For Tourists and General Trade.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, —838— CANAL ST.

COLUMBUS.

The Livingston Seed Co.

FLORISTS

Cover All Ohio Points. 114 North High St.

A. L. RANDALL CO. 21 Randolph St. CHICAGO.

Well Selected Stock. Reasonable Prices. Fair Treatment.

Fancy Mignonette. Others try to produce its equal but those who want the best order ours.

Violets. No one questions the fact that we are headquarters for Violets in Chicago and have the best growers of fancy Violets in the United States. Can fill orders of any size.

Stevia. Long fancy stock. Every florist will need from 200 to 1000 of this fine stock for Xmas.

Paper Whites and Romans. We will have fancy stock at $4 00 per 100.

Roses and Carnations. The best growers in the country supply us with Carnations and Roses and they will have fine fresh (no pickled) stock.

Liberties. Always scarce for Xmas, but we expect a largh crop of medium stem flowers.

TRY AND GET YOUR ORDERS IN EARLY IF POSSIBLE.

Randall's Phenomenal Progress Shown in the Florists' Supply Department.

Our First Anniversary in this Line occurs January 1, 1907, and already we are doing a business second to none in the west. **The most up-to-date and best of supplies** can be obtained of us at lowest price. Try us once and we will get your future orders. **Write for quotations.**

The Cleveland Cut Flower Company,

WHOLESALE CUT FLOWERS, FLORISTS' SUPPLIES, WIRE DESIGNS.

215 Huron Road, CLEVELAND, OHIO.

Cut Flowers or Designs

Will be delivered for the Trade on Wire or Mail. Orders in Best Qualities and Prices.

ST. LOUIS.

Theodore Miller

FLORIST,

Long Distance Phone, Bell, Forest 56, Kinloch, Delmar 201. **4832 Delmar Boulevard ST. LOUIS, MO.**

DAYTON, O.

Matthews,

FflorIST,

16 W. 3rd St., DAYTON, O.

Flowers in any arrangement for all occassions for Dayton and vicinity. Long dis. phones.

ALBANY, N. Y.

EYRES

Flowers or Design Work.

DELIVERED IN ALBANY AND VICINITY ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

SAN FRANCISCO.

J. B. Boland Co.

Successors to Sievers & Boland,

FLORISTS.

47-49 Geary St., SAN FRANCISCO, CAL.

ROCHESTER.

J. B. KELLER SONS,

FLORISTS.

25 Clinton Ave., N., ROCHESTER, N. Y.

Rochester Phone 506. Long Dist. Bell Phone 2189.

ATLANTA.

ATLANTA FLORAL CO.

41 Peachtree Street, ATLANTA, GEORGIA.

KANSAS CITY.

That's Our Business!

$25,000 last year. $40,000 this year sure. Give us your order in this vicinity. Our ever large stock at your command. .. ..

ALPHA FLORAL CO.

KANSAS CITY, MO.

WASHINGTON.

Blackistone Florist
14th and H Sts. N.W.
Washington, D.C.

Please mention the American Florist when writing.

LOUISVILLE.

JACOB SCHULZ, 644 Fourth Ave., LOUISVILLE, KY.

Cut Flowers of BEST QUALITY in season delivered promptly to any address.

Write, Telegraph or Telephone.

Cumberland and Home Phones 223 and 984.

Please mention the American Florist when writing

ST. LOUIS.

WRITE, WIRE OR PHONE YOUR ORDERS TO

YOUNGS,

1406 Olive St. ST. LOUIS, MO.

Regular discount allowed on all orders, either Plants or Cut Flowers.

Phones: Bell, Main 2306, Kinlock, Central 4981.

BOSTON FERNS.

From bench: ready for 4 and 5-inch pots, $10.00 and $15.00 per 100 respectively.

Boston and Scottii, 5 to 10-inch pans, 50c to $1.50 each.

Jerusalem Cherries, 12-inch pans, 7 plants to a pan, full of berries, 75c each; 3½-inch pots, with berries and blooms on, $6.00 per 100.

ASPARAGUS.

Sprengeri, 2½-inch, extra large, $3.00 per 100; $25.00 per 1000. 3½-inch, good value, $5.00 per 100.

CARNATIONS.

Norway. We still have about 800 nice, fieldt grown plants; just nice to follow 'mums. A present they are heeled in a bench. $3.00 per 100 to close them out.

20,000 Rooted Cuttings, leading varieties now ready. Write for prices.

J. W. DUNFORD, Clayton, Mo.

Please mention the American Florist when writing.

Plants and Cut Flowers

FOR CHRISTMAS.

Celestial Peppers, 5-in., 25c; 4-in., 50c; 8-in., $1 00 each.
Jerusalem Cherries, 5-in., 25c; 6-in., 50c each.
Romans, 5-in., 25c each.
Paper Whites, 5-in., 25c; 6-in., 40c each.
Chinese Primroses, 4-in., $12.50.
Primula Obconica, 4-in., $12.50.
Baby Primroses, 4-in., $12.50.
Rex Begonia, 4-in., $15.00.
Roses and **Carnations.**

SPECIAL.

50 10-in. **Bostons,** worth $4.00 for $2.50 each, or $25.00 for a dozen.

For Christmas, a very fine lot of Elegantissima, Barrowsi, Piersoni, Scottii, Whitmani and Bostons, in 4, 5 and 6 in. pots. Write us new price list.

GEO. A. KUHL, Pekin, Ill.

Please mention the American Florist when writing.

ROOTED CUTTINGS.

PELARGONIUMS, 15 var. named, $2.25 per 100.
BEGONIAS, $1.50 per 100.

Shipping charges prepaid. Cash with order.

Write to

S. D. BRANT, Clay Center, Kan.

The Seed Trade.

American Seed Trade Association.
H. W. Wood, Richmond, Va., Pres.; C. S. Burge, Toledo, O., First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas. Twenty-fifth annual convention at New York, 1907

VISITED NEW YORK: J. C. Vaughan, Chicago.

VINE seeds cannot be raised profitably at the present prices.

CERTAIN congressmen desire a much larger free seed distribution.

ASPARAGUS PLUMOSUS NANUS is very slow in ripening this season.

BOUQUET GREEN deliveries have been greatly delayed by the heavy railway traffic.

PANSY SEED is both scarce and high, many colors and strains being 100 per cent higher.

THE newer sweet peas of the Countess of Spencer type are in strong demand in England.

GIANT COSMOS, both mixed and in separate colors, are among the short items again this year.

OLLIOLUES, FRANCE.—Mme. Martial Bremond, of this place died here November 16, aged 28 years.

HENRY NUNGESSER & Co., of New York, have issued their wholesale price list of grass and clover seeds.

ROCKFORD, ILL. — John T. Buckbee, who has been ill with pneumonia, suffered a relapse December 11.

THE pea and bean growers must surely get a big increase in prices on account of the heavy losses this season.

SEEDS entering the Philippine Islands have to pay a duty of 50 cents per 100 kilos this being the unit of quantity.

THE catalogue expenses are double those of five years ago and an increase of 10 per cent is expected next year.

CONNECTICUT grown onion seed is being quoted by growers at $4 per pound for white globe, $3 for yellow and $2.50 for red.

JACKSON, MICH. — Fred Pierson, an employe of the Isbell Seed Co., was injured recently by a heavy sack of seed falling on him.

RUMOR has it that onion seed growers do not care for contracts this year. Labor and machinery are much higher the growers say.

SHEEP MANURE of good quality rightly put up is higher in price. Nitrate of soda is up 30 cents per 100 pounds to about $2.50 at seaboard in car lots.

VISITED CHICAGO: L. C. Routzahn, of the Routzahn Seed Co., Arroyo Grande, Cal.; C. L. Kunz, representing the M. G. Madson Seed Co., Manitowoc, Wis.

AN agent at Algiers has shipped to Paris a cargo of black carrots. They are said to be of better quality than red carrots and are striped or mottled black inside.

ALL the early holly shipments from Kentucky and Tennessee have been delayed six days or more by the floods of November 22 and 23. Freights are 25 per cent higher.

ALL kinds of vegetable and flower seeds enter Guatemala free of duty. Fenugreek pays .25 pesos and linseed .15 pesos per kilo. This is practically the same as 25 cents and 15 cents.

E. V. HALLOCK, Queens, N. Y., has the sympathy of the trade in the loss of his wife, who died December 8. Blood poisoning, following an operation for varicose veins, was the cause of death. The funeral was held December 10.

WASHINGTON, D. C.—Among the seedsmen here this week in the interest of the trade in the congressional investigation of the government free seed distribution are H. W. Wood, Albert McCullough, W. Atlee Burpee, Wm. Henry Maule, Alex. Forbes, Patrick O'Mara and Walter P. Stokes.

ALMOST without exception the wholesale price lists this year have on most items a higher price than last year. The retail catalogues quote about the same prices as last year. Compared with four years ago there is no change except in losses, labor being about 25 per cent higher than the seedsmen formerly paid.

THE question of the legality of the American Seed Trade Association's disclaimer has always been an open one. Vaughan's Seed Store will for 1907 add the following sentence to the regular disclaimer adopted by the association: "Subject to the above conditions, and by reason thereof, we make the moderate prices quoted in our catalogues."

THE catalogue tax imposed by the British colonies in South Africa has been removed on ordinary catalogues and price lists imported through the post and weighing less than eight ounces, these now entering free except in the case of South African firms sending large quantities through the post. The delivery fee of 6d. on catalogues weighing less than six ounces has also been abolished by the Natal, Transvaal, Orange River Colony and Rhodesian governments.

BALTIMORE, MD.—At a recent annual meeting of the Maryland State Horticultural Society a resolution against the continuance of the free seed distribution by the national government, couched in strong terms, was adopted, as being an unwarranted application of public funds and the representatives of the state in congress were urged to use their influence and to vote against this useless and pernicious system, which has gone far beyond the original purpose of distributing new and rare seeds for trial in various sections of the country under varying conditions.—S. B.

San Francisco.

One of the leading seed growing concerns writes under date of December 7 as follows:—

"The past season has been unprofitable for all of the northern growers. We are inclined to think they all lost money, and we know some of them lost considerably. It looks as if the dealers will be compelled to get an advance on the old contract prices.

"There will be no surplus of onion bulbs, particularly of the Globe varieties; that means, the acreage will not be increased. There has been considerable discussion about the prices for next year, on account of the increased price of labor. Everything is costing extra money. We cannot grow the onion bulbs for the same price, nor can we harvest at the same price, and the prices are unfavorable to the growers.

"The season, so far, has been very unfavorable and very dry, and very little planting has been done yet. This has a tendency to lessen the acreage, as many onions will have to be sorted over again.

"Local business has commenced to pick up, and it looks as if dealers are going to get their old business back again."

C. C. MORSE & CO.
SEED GROWERS.
171-173 Clay Street, : SAN FRANCISCO, CAL.
OUR SPECIALTIES: Onion, Lettuce, Sweet Peas; also Carrot, Celery Celeriac, Cucumber, Endive, Leek, Mustard, Parsley, Parsnip, Radish, Salsify, Spinach. Tomato and Flower Seeds.
Growers for the Trade on Contract.
Warehouses: at SANTA CLARA.
Farms and Farm Headquarters: CARNADERO, near GILROY.
Registered Cable Address: "Morseed," San Francisco.

Please mention the American Florist when writing

CONRAD APPEL, DARMSTADT, GERMANY.
ESTABLISHED 1789.
Forest and Agricultural Seed Establishments,
HIGH GRADE GRASS SEEDS and ALFALFA
and Other Clovers, Agricultural and Forest Tree Seeds.

Trade Directory
—OF THE—
UNITED STATES AND CANADA.
PRICE $2.00, POSTPAID.
American Florist Co., 324 Dearborn St., Chicago.

VICK'S ASTER SEED

THE STANDARD OF EXCELLENCE

Vick Quality Asters

Introduced by us
Grown everywhere

Vick's Branching (7 colors)
Vick's Snowdrift
Vick's Lavender Gem
Vick's Daybreak
Vick's Purity
Vick's Mikado
Vick's Violet King

How to Grow Asters

Is a little handbook compiled by us for the practical uses of Aster Growers.

Price 10 Cents.

Free with an order of Aster Seed.

SPECIAL OFFER

One paper of each of Five New Varieties & How to Grow Asters for $1.00

Send for our New Illustrated and Descriptive

Aster Book for Florists

It describes in detail not only the varieties originating with us, but all the other leading sorts.

The largest and handsomest work of its kind ever issued.

Intended only for wide-awake Florists who appreciate the fact that

The Best Quality is Always the Cheapest

MAILED FREE UPON REQUEST.

JAMES VICK'S SONS
ROCHESTER, N. Y.

The Leading Specialists and Largest Growers of High-Grade Asters in the World.

Five New Varieties for 1907

VICK'S SUNSET—Companion to Daybreak and Purity, in color a delicate pink shading to a deep rich pink in center. Profuse bloomer. Price per packet 25 cts., 2 pkts. 40 cts.

VICK'S UPRIGHT—Long graceful stems, branch out at the ground and grow directly upwards. Flowers are symmetrical, double and full to the center. Splendid for cutting. Especially valuable for shipping. Price per packet 25 cts., 2 pkts. 40 cts.

VICK'S ROYAL PURPLE—An offshoot from the Branching. Unlike its parent it sends out stems close to to the ground. A medium early variety but lasting until late in Fall. Nearly every stem produces specimen flowers. Price per packet 20 cts., 2 pkts. 35 cts.

VICK'S BRANCHING ROSY CARMINE—A new color in the Braching Class. Leading florists pronounce it a shade which will be popular with the trade. Price per packet 25 cts., 2 pkts. 40 cts.

VICK'S CARDINAL—The best bedding Aster ever introduced. A good one for cutting. With its profusion of flowers and brilliant coloring it makes a handsome showing. Price per packet 25 cts., 2 pkts. 40 cts.

As we would like to know where you saw this adv. please mention THE AMERICAN FLORIST when you write.

CHOICEST VALLEY.

For The Holidays You Want

We Supply Cold Storage Pips at All Seasons. . . .

THE BEST. This Means You Want ☞ **BRUNS'**

Our Lily of the Valley will be unusually fine for Christmas. **Place your order early.**
Western Headquarters for Early Forcing Pips, $14.00 per 1000; $1.50 per 100.
These are the very best for early forcing, and there is nothing arriving in this country to excel them.

H. N. BRUNS, 1409 West Madison Street, CHICAGO.

A. J. Pieters Seed Co.

HOLLISTER, CAL.

— GROWERS OF —

Vegetable and Flower Seeds.

Special attention paid to selected stocks.

A. J. Pieters, President and Manager, will visit the trade December-January.

HJALMAR HARTMANN & CO.

Growers for the Wholesale Trade Only.

31 Barclay St. NEW YOYK. **12 Stormgade, COPENHAGEN.**

CAULIFLOWER and CABBAGE SEED

QUALITY SEEDS BULBS PLANTS

SEND FOR CATALOGUE.

ARTHUR T. BODDINGTON

342 West 14th St., New York.

Last Call for Holiday Business

ADVERTISE IN NEXT WEEK'S ISSUE.

St. Paul.

BUSINESS QUIET.

Business up to December 1 was a record breaker, there being a greater call, and for finer flowers than ever before, orchids, lily of the valley and fancy violets selling very readily. Trade has dropped off though to quite an extent since then. But this is usually expected, as very little entertaining is done by society folk here between Thanksgiving and Christmas. Chrysanthemums are practically over, only a few stragglers being seen. Poinsettias are being displayed but there is very little call for them. Roses and carnations have improved wonderfully in this section and some fine stock is being brought in. Mme. Chatenay and Kate Moulton lead in pink, and Richmond in red varieties. Violets grown locally are good, but cannot compare in size with the Eastern grown, which are being received by most of the retailers. The outlook for Christmas stock is fair. With a little sunshine several very promising crops of roses and carnations would come into line. Lycopodium wreathing does not seem to be very scarce here, as it is being sold by the local commission houses at very low figures. Holly seen so far has been of varied quality.

NOTES.

Alfred W. Lemke, a son of E. F. Lemke, has acquired A. S. Swanson's interest in the Swanson Floral Co., and the firm will hereafter be known as Colberg & Lemke. Their store, which was damaged by water from a fire in the building recently, is being redecorated and will be all ship-shape in a few days.

J. Fotheringham, representing the F. R. Pierson Co., was a recent caller. He had a box of Winsor carnation come through in fine shape. Every one who saw them admired them greatly and Mr. F. booked some good orders for them.

A recent visit to Jas. J. Hill's greenhouses revealed things in better shape than usual at this season. A house of chrysanthemums was especially fine. These have been in charge of Emil Popp for the past year.

Wm. King has removed from his old stand to new quarters at 267 E. Seventh street.

Visitors: J. M. Hutchison, New York; E. M. Sherman, Charles City, Ia., and T. E. Cashman, Owatonna, Minn. O.

Omaha.

DEMAND GOOD.

Thanksgiving business has been very good, chrysanthemums taking the lead and American Beauty roses and violets next. Carnations are always in demand but there were lots of tea roses unsold. It seems chrysanthemums are becoming more and more popular for Thanksgiving Day. The weather was very fine and stock in good shape. Chrysanthemums are of the past and none of the florists are sorry. There is considerable funeral work and stock is cleaned up pretty well every day. Violets are somewhat scarce in this vicinity and command a good price right along.

Hess & Swoboda made a fine display in their window of cattleyas and oncidiums, which was very much admired.

GRIPPE.

Indianapolis.

NOTES.

Fourteen members were present at the November meeting of the Indiana Floral Association, and it was decided to have a dinner and an exhibition in connection with the annual meeting in January, for which rooms have been engaged in the commercial club building. "Take the elevator." Certificates will be awarded on meritorious novelties.

Of blooming Christmas plants grown for this market, at least 100 per cent more Gloire de Lorraine begonias and poinsettias will be available than in former years, while cyclamens and primulas are not nearly as numerous as before.

Local papers, describing the flower mission charity ball, commented upon the fact that the beautiful custom of wearing corsage bouquets is being revived, and that, among the flowers used, orchids were more in evidence than ever before.

The death of E. Huckriede came as a shock to his family and his numerous friends. Although 71 years of age, Mr. Huckriede was very spry and active.

The South Park Floral Co. is sending fine Killarney roses to this market and this rose seems to be gaining favor with local retailers.

R. Carry, for several years foreman of the Indianapolis Flower and Plant Co., has resigned, intending to go to New Castle.

Thos. Knipe of Kokomo was in town and reports his stock as doing well and business increasing.

H. D. Schilling is under the care of a doctor. J.

Scranton, Pa.

CLUB MEETING.

The Scranton Florist Club held its annual meeting November 16 in Guernsey Hall. There were many fine chrysanthemums, arranged on two large tables and in several groups through the hall. Wm. MacDonald and T. B. McClintock were the principal exhibitors. The following officers were elected: President, Anton Schultheis; vice-president, Edgar McConnell; secretary, T. B. McClintock; corresponding secretary, G. R. Clark; treasurer, Wm. MacDonald; trustees, James Davis, John Hill, A. D. Turnbull, Ira G. Marvin and C. H. Gerbig.

A silver cup will be presented by the Scranton Florist Club, to the member scoring the greatest number of points. Twelve exhibits will be allowed each member, but not more than three at any one meeting. Flowering plants, foliage plants, roses, carnations or chrysanthemums, not less than six of any one variety, floral designs, table and mantel decorations, fruits or vegetables may be exhibited. After the meeting the members and their wives and friends partook of an excellent banquet.

SCRANTONIA.

DOVER, N. H.—Chas. A. Davis florist of 339 Washington street was married November 14 to Miss Ella Gertrude Libby of 9 Gold street. The happy pair were the recipients of many useful and handsome presents, and left the same evening for their honeymoon. They will reside at Washington street.

CLASSIFIED ADVERTISEMENTS

WIRE WORK.

Our wire designs are not made like others. They're better.
Get our design catalogue No. 5.
C. C. POLLWORTH CO., Milwaukee.

There were others in this Classified Column who sell wire work, but we do two (2) things, viz: We manufacture and sell direct to the florist who makes up the floral designs.

NO MIDDLEMAN.

Better Goods for the Same Money.

WANTED.

10 More Men

to work in the best shop in the country devoted exclusively to the manufacture of florists' wire designs. Plenty of room, ventilation and light.

WE PAY BETTER WAGES.

POLLWORTH MILWAUKEE POLLWORTH MILWAUKEE POLLWORTH MILWAUKEE

Vaughan's New Crop Flower Seeds

FOR PRESENT SOWING.

Write for preliminary list of flower seeds, which we are mailing to all our customers.

10 per cent Special CASH DISCOUNT. On orders over $2.00 for Flower Seeds if the cash is enclosed. 10 per cent. This discount does not apply to Asparagus Seed. Cash discount on this is 2 per cent.

	Trade pkt.	Oz.
Ageratum, Imperial dwarf, blue	$ .10	$ .25
Imperial dwarf, white	.10	.25
Blue Perfection, dwarf, new	.10	.40
Princess Pauline, fine for pots and borders	.10	.40
Princess Victoria Louise, new, beautiful blue and white flowers, plants compact and free-blooming	.10	.50
Little Blue Star, new, best dwarf	.25	
Alyssum, Sweet lb., $1.25	.05	.15
Little Gem, extra fine strain	.10	.35
Balsam, Alba Perfecta. This is the largest and best double white Balsam, unequaled in doubleness and size ¼ oz., 25c	.10	1.00
Begonia, single, tuberous-rooted, giant-flowered, mixed	.50	
Double, tuberous-rooted, giant-flowered	.50	
Vernon ⅛ oz., 30c	.10	2.00
Bellis or **Double Daisy,** Vaughan's mammoth mixture 1-16 oz., 45c	.25	
Vaughan's Mammoth White 1-16 oz., 50c	.25	
Longfellow, dark pink ⅛ oz., 35c	.20	2.50
Candytuft, Giant Hyacinth-flowered ½ oz., 15c	.10	.20
Canna. We grow these, as everybody knows, in very large quantities, and the best kinds only. The seed we offer is of our own saving and all of crop 1906. Crozy sorts, mixed, lb., 75c	.10	
Canna. Vaughan's Special Mixture, saved from our own collection of over best 40 kinds. lb., $1.50	.10	.20
Celosia, President Thiers	.15	1.25
Centaurea Candidissima (Dusty Miller)	.25	1.00
Gymnocarpa lb., $2.75	.05	.30
Cobœa, Scandens, blue lb., $3.50	.10	.30
Daisy, Burbank's Shasta ⅛ oz., 25c		1.25
Dracaena Indivisa lb., $2.50	.10	.30
Echeveria (Hen and Chicken), mixed, 100 seeds, 20c; 1000 seeds, $1.00		
Metallica 100 seeds, 35c; 1000 seeds $3.50		
Secunda glauca 100 seeds, 15c; 1000 seeds, $1.00		
Feverfew, Matricaria Capensis	.10	.25
Forget-me-not, Vaughan's early blooming and late flowering ¼ oz., 25c	.10	.80

	Trade pkt.	Oz.
Lobelia, Crystal Palace Compacta ⅛ oz., 25c	$ .15	$1.20
Speciosa, dark flowers and foliage, for hanging baskets ¼ oz., 15c	.10	.50
Emperor William, dwarf ¼ oz., 25c	.10	1.00
Bedding Queen, best dwarf ⅛ oz., 25c	.15	1.50
Maurandya, mixed ¼ oz., 25c	.10	1.00
Mignonette, True Machet ½ oz., 25c; 2 ozs., 75c	.10	.50
New York Market, Packet about 1000 seeds, 50c. ⅛ oz., $1, oz., $6.00.		
Mimulus (Musk Plant) ¼ oz., 30c	.10	1.00
Musa Ensete 100 seeds, $1.00		
Pansies, Vaughan's International Mixture. Price per oz., $10.00; ½ oz., $5.00; ⅛ oz., $1.50; trade pkt., 50c.		
Vaughan's "Giant Pansy Mixture." Price, ¼ lb., $14.00; oz., $4.00; ⅛ oz., 60c.; trade pkt., 25c.		
Petunia, Giants of California, mixed, 1-32 oz., 75c	.25	
"Vaughan's Best" mixture of large flowering Petunias. Trade pkt. (1000 seeds), 50c, 3 pkts for $1.25.		
Vaughan's Double Petunias. Trade pkt. (1000 seeds), $1.20		
Pyrethrum, Golden Feather	.10	.25
Salvia Splendens, Clara Bedman (Bonfire)	.25	2.00
"Drooping Spikes" ¼ oz., 50c	.25	1.60
Stocks, large flowering, extra choice mixed ⅛ oz., 35c	.25	2.00
Pure White, Brilliant Rose, Bright Crimson, Blood-Red, Light Blue, Canary Yellow, Dark Blue. Each ⅛ oz., 35c	.25	2.00
Smilax, new crop ¼ lb., 60c; lb., $2.00	.05	.20
Thunbergia, mixed 4 oz., $1.00	.10	.40

	Trade pkt.	¼ oz.	Oz.
Verbena, Vaughan's Best Mixture	$ .25	$ .50	$2.00
Mammoth, mixed 2 oz., $1.70	.10	.25	.80
" white	.15	.25	1.00
" Mayflower, best pink	.15	.25	1.00
" purple	.25	.50	2.00
" pink shades	.25	.50	2.00
Firefly, scarlet, white eye	.15	.40	1.20
Striped, on red ground, fine	.15	.30	1.15
Candidissima, white	.10	.20	.70
Defiance, brightest scarlet	.10	.25	.90
Striped	.10	.20	.60
Dark blue with a white eye	.10	.20	.70
Purple (Cœrulea)	.10	.20	.60

VAUGHAN'S SEED STORE, 84-86 Randolph Street, CHICAGO. 14 Barclay Street, NEW YORK.

Greenhouses and Nurseries and Trial Grounds, Western Springs, Illinois.

SEEDS

If you are in need of any of the following, write us for prices.

Beet, Cabbage, Cannon Ball and Rocky Ford Musk Melon, southern-grown Watermelon, Bermuda and other Onion Seed, Okra, Mustard, French and California-grown Radish, Tomato, Mexican June Corn, Kaffir Corn, German Millet, Dwarf Yellow Milo Maize, Sugar Cane, Winter Barley, Red Rust Proof Oats, Cotton Seed, Whippoorwill and White Black-Eyed Field Peas, Spanish Peanuts, Johnson and Bermuda Grass.

TEXAS SEED AND FLORAL CO.
DALLAS, TEXAS.

J. STAER, Nurseryman and Seedsman,

WAHROONGA, New South Wales, AUSTRALIA.

Collector of Australian and Island Seeds and Plants. Palms. Ferns. Platyceriums. Orchids. Eucalyptus. ornamental trees and shrubs.

PALM SEEDS.

	Per 1000		Per 1000
Kentia Forsteriana	$1.25	Livistona Australis	.50
" Belmoreana	1.25	Bacularia Monostachya	1.50
" Canterburyana	3.00	Calamus Muelleri	1.50
" Moorei	12 00	Gymnostachys Anceps	2.00
Areca Baueri	1.00		
Seaforthia Elegans.	.50		

TREE SEEDS.

Castanospermum Australe $5.00 per 1000
Araucaria Excelsa 1.25 per 100.0

Please mention the American Florist when writing

FORCING RHUBARB.

Under the greenhouse bench or in any old cellar or mushroom house is entirely practical and an easy proposition.

Send for My Special Florists' Circular on Rhubarb Forcing

It gives ample directions for successful culture. I have a good supply of large **Undivided Clumps.** Prices: $2.00 per doz; 25 for $3.75; $12.00 per 100; $100.00 per 1000. (500 at 1000 rate).

Stokes Seed Store.

219 Market Street, PHILADELPHIA, PA.

MUSHROOM SPAWN.

Frequent importations from England. Always fresh and lively.

J. J. STYER, Concordville, Pa.

Please mention the American Florist when writing.

MICE PROOF SEED CASES.

SEND FOR BOOKLET.

HELLER & CO., Montpelier, O.

Please mention the American Florist when writing.

For Best Results

Advertisers should mail new advertisements and changes so as to reach us on Mondays.

The Nursery Trade

American Association of Nurserymen.
Orlando Harrison, Berlin, Md., President; J. W Hill, Des Moines, Ia., Vice-President; George C. Seager, Rochester N. Y., Sec'y.
Thirty-second annual convention, Detroit, Mich., June, 1907.

THE nurserymen of Paris are interestingly described in an illustrated article in the December House and Garden.

SELMA, CAL.—W. M. Post will open a nursery here for the Capital City Nursery Co., Salem, Oregon, and is at present taking orders for the firm.

JOHN C. OLMSTED, of Olmsted Bros., Boston, Mass., has been appointed landscape architect of the Alaska-Yukon-Pacific exposition, which is scheduled to be held at Seattle, Wash., in 1909.

SIDE shoots of conifers seldom make good shaped plants if used as cuttings or scions for grafting. But seedling trees sometimes throw up erect shoots after the first or leader is taken off, and these as a rule grow into good shaped specimens.

IN the wild garden nothing is prettier in spring than the blue periwinkle, Vinca cœrulea, and the wood anemone. The deep green foliage and blue flowers of the vinca, and the pretty white flowers of the anemone make one of the prettiest combinations of color imaginable.

AMONG the shrubby spireas many fine species and varieties may be found, but few if any surpass the old S. callosa for beauty and general utility. It thrives in all kinds of unlikely places, is quite hardy and every shoot in summer produces a spike of the pretty pink flowers, thus keeping up a succession over several months. In good soil it rapidly increases, growing into immense bushes in a few years.

ACCORDING to a pamphlet by H. M. Hale, issued by the U. S. Department of Agriculture, there were used in 1905, 3,192,223 cords of wood for pulp making. The value of this was $17,735,665 and 4,168,964 pounds of pulp were produced. Spruce is the wood most used, furnishing more than 70 per cent of the total amount. Poplar, domestic and imported, comes next, hemlock, pine, balsam and cottonwood being used in smaller quantities.

THE evergreen laburnum, Piptanthus Nepalensis, is a very beautiful shrub, far superior to the ordinary kinds of cytisus. It is not, of course, perfectly hardy, but in a sheltered position where the young growths are not injured by spring frosts and cold winds it is a gem. The finely cut deep green foliage forms a fine setting to the long racemes of golden yellow flowers. Grafted plants are often sent out from nurseries, but own root plants are better if they can be obtained. Seeds are freely produced and ripen in autumn, this being a good method of propagation.

I. N. BROWN, who has for 15 years had charge of the Atlantic, Ia., nurseries, first under Silas Wilson and latterly for Stark Bros., intends starting up for himself. He is at present engaged in pulling down the buildings on the Stark property and these, together with the land, are to be offered for sale. Mr. Brown will remain on the same ground if he can make terms for it, but if not, he will establish a nursery on his own ground. Well known in the trade and an expert in his business, there is every reason to suppose that he will make it a success. Excessive taxation and shortage of cars for handling their shipments are the reasons given by Stark Bros. for quitting the business in Atlantic. As somewhere about $5,000 annually have been paid by them in wages, the loss to the city will be keenly felt.

THE suggestion by Consul Brunot in his article on English walnuts that they be raised commercially in the southern states is a practical one. Their culture is shown by him to be no more difficult than other crops, and that they can be grown here is proven by the bearing trees scattered over the middle and southern states, although they are not inclined to develop a crop north of Maryland. English walnut orchards have already become very profitable in southern California. However, the home market is still large and growing, as the imports of walnuts (mostly English or Juglans regia) amounted to 21,684,104 pounds, valued at $1,469,463, in the fiscal year 1905, and 24,917,028 pounds, valued at $2,193,653, in the fiscal year 1906. Furthermore there is a protective duty of 3 cents per pound on unshelled walnuts and 5 cents per pound on the shelled. In addition to walnuts, other nuts were imported to the value of $4,688,880 in 1905 and $5,179,782 in 1906. These figures indicate a broad field for the expansion of the nut-growing industry of the United States.

Utah State Nurserymen Meet.

The leading members of the nursery trade in Utah state met in conference at the new Chamber of Commerce building, Salt Lake City, November 26. A desire to co-operate by forming an association was expressed, this being rendered necessary by the steadily increasing volume and importance of the trade in the state.

Among other matters discussed was the necessity of protecting the public from the tree peddling fraternity, who not only do not represent good nurseries, but do much to bring the trade into disrepute by shady methods. A suggestion was made that all nurseries desiring to do business in the state file a bond with the state board of horticulture and pay a license to sell trees.

JAMES TRUITT & SONS, of Chanute, Kan., have made considerable additions to their greenhouses, and have now an area of 20,000 square feet under glass. A large storage and packing house is also under way in the north part of the town. This building will be 115x225 feet, frame built, and brick veneered, to render it frost proof. Walter Truitt is manager of the entire business, the rapid growth of which is a great tribute to his energy and ability. The increase tn the nursery end of the business is equally as large as that of the greenhouse portion.

Mountain Misery.

By this alliterative title is sometimes called a pretty little evergreen shrub of the middle Sierra region of California, where in sunlit, coniferous forests it often covers immense areas with a dense carpet of dull green, which looks at a short distance like a sown turf. The branching, wiry stems are about a foot high and are clothed with an abundance of finely dissected leaves, amid which throughout the summer an occasional solitary white flower is borne resembling a strawberry blossom. Like the strawbery, indeed, the plant is a member of the rose family, and is botanically known as Chamaebatia foliolosa—a name familiar to readers of John Muir's works, who speaks of it sympathetically in "Our National Parks." The leaves are so fern-like in appearance that it is said that an old lady of one of the foothill towns, who added to her income by selling pressed flowers to tourists, used to palm off bits of foliage on the uninitiated as fronds of a peculiar fern of the region.

"But why Mountain Misery?" you ask. Upon plucking a few leaves of the plant, you become conscious of an indefinable, pungent odor, somewhat of a cross between that of tobacco and fresh paint. Then you notice that your hands are discolored and begummed with a sticky resin which dots the leaves, and, if you do not observe it then, you will later. Your clothes, wherever they have come in contact with the plant, are liberally smeared with the same substance; so that if they are of a delicate fabric, it will be a nice matter to restore them to their original estate. "So," you think, "misery enough," and deem the plant well named.

Cattle frequenting land where Chamaebatia is abundant, are said to get their bells so gummed up with its tarry exudations at times, that the metal no longer makes a sound. Mountaineers often call it tarweed—a generic term, like greasewood, applied in the west to many plants of quite diverse botanical families.—C. F. Saunders in the American Botanist.

Climbing Clothilde Soupert, Marie Pavic, Crimson Rambler and Dorothy Perkins
ROSES
Grafted Oranges and Kin Kans, Palms, Biota Aurea Nana, Conifers and other stock for Florists and Nurserymen,
IN IMMENSE QUANTITIES.
400 acres in Nurseries. 60,000 feet of glass. Catalog on application.
P. J. BERCKMANS CO. (Inc.) Fruitland Nurseries
Established 1856. AUGUSTA, GA.

PEONIES.

From our large and select stock, such as the following varieties:

Prince Charles.	Philomile.
Mons. Boquil.	Lord Salisbury.
Leonie.	Festiva.
Duchess of Sutherland.	Hypatia.
Rosea maxima.	Mons. Rousselon.
Mme. Furtado.	Mme. Moreau.

and many other good varieties all true to name. Strong 1 year old.....$1.50 per doz.: $10.00 per 100
" 2 " ..... 2.00 " 15.00 per 100

Iris Germanica, Mme. Chereau, Gracchus, Florentine, Socrates, Duchess de Nemours, Dr. Bernice and 20 other good sorts, $2.50 per 100: $22.50 per 1000.

Hemerocallis (Day Lilies), in 10 varieties, to clear, $3.75 per 100; $30.00 per 1000.

The Undermentioned are Strongly Recommended for Cut Work.

Delphinium Belladonna, distinct, continuous bloomer, lovely sky-blue, 1 year old plants, $6.25 per 100; $57.50 per 1000. 3 year old clumps, $8.75 per 100; $75.00 per 1000.

Chrysanthemum maximum King Edward, the finest and largest hardy White Marguerite, four F. C. C's and A. M., R. H. S., strong from ground, $8.75 per 100.

Lathyrus latifolius White Pearl, true from cuttings, flowers double the size of the old white variety, A. M., R. H. S., strong from ground, $16.25 per 100. Seedlings, not guaranteed, $12.50 per 100.

Buyers of **Begonias, Dahlias** and **Cannas** should see our catalogue and write for prices. Special terms for quantities.

THOMAS S. WARE, Ltd., FELTHAM, ENGLAND.
Formerly of Tottenham.

Please mention the American Florist when writing.

ROSES.

Heavy Native Grown Stock.

	Per doz.	100
Baby Rambler	$2.50	$20.00
Hermosa	1.65	12.50
Clothilde Soupert	1.65	12.50

Imported Roses

Extra Heavy Hybrid Perpetuals.

	Per 10	100
All leading varieties	$1.50	$12.50
Baby Rambler	2.00	17.50
Crimson Rambler	1.75	15.00

Hollyhocks.

A nice lot in separate colors...$7.50 per 100

PERENNIAL GARDENS CO., Toledo, O.

Please mention the American Florist when writing

NURSERY STOCK

All kinds of Hardy Nursery Stock.
Ask for prices.

KLEHM'S NURSERIES,
ARLINGTON HEIGHTS, ILL.

Specimen Nursery Stock.

Deciduous Trees and **Shrubs, Evergreens, Rhododendrons, Azaleas.**
Over one hundred (100) acres of the choicest varieties. Send for price list.

COTTAGE GARDENS COMPANY,
Queens, Long Island, New York.

Please mention the American Florist when writing.

TREES AND SHRUBS.

We make especially low prices on **Nursery Stock** to Parks, Cemeteries, etc. Wholesale price-list on application. We carry immense quantities of the finest named varieties of

PEONIES.

PETERSON NURSERY 503 W. Peterson Ave. CHICAGO, ILL.

Spireas, Azaleas, Rhododendrons, Etc.

Spirea Japonica	$4.00 per 100.
Spirea Nana Compacta	4.00 per 100.
Spirea Ast. Floribunda	4.25 per 100.
Spirea Gladstone	6.50 per 100.

AZALEA INDICA. Fine list early and late varieties: Simon Mardner, Empress of India, Niobe, Prof. Walters, Mme. Van der Cruyssen, Helen Thielman.
10 to 12 inch crowns.....$35.00 per 100. | 14 to 16-inch crowns.....$55.00 per 100.
12 to 14-inch crowns ..... 45.00 per 100. | 16 to 18-inch crowsn..... 90.00 per 100

AZALEA MOLLIS. Bushy, well budded seedlings.
12 to 15 inches high.....$25.00 per 100.
15 to 18 inches high..... 35.00 per 100.

RHODODENDRONS. Bushy, perfect shaped plants of leading forcing varieties.
18 to 20 inches high, full of buds.....$ 9.00 per doz.
20 to 24 inches high, full of buds..... 12.00 per doz.

LATANIA BORBONICA, strong, 4-inch	$15.00 per 100.
KENTIA BELMOREANA, 5-inch, bushy	60.00 per 100.
NEPHROLEPIS ELEGANTISSIMA, 2¼-inch pots	5.00 per 100.

THE STORRS & HARRISON CO.

PAINESVILLE, - OHIO.

Please mention the American Florist when writing.

HIBISCUS SYRIACUS MEEHANII

WE now offer to the trade our new hardy variegated leaf Hibiscus Syriacus Meehanii. This plant attracted much attention when exhibited at the American Nurserymen's Convention at West Baden, Ind., and American Florists' Exhibition at Asheville, N. C. Foliage beautifully variegated; never sun-scalds or reverts to the green; flowers single, very large, satiny lavender; blooms during four months; prices on application. Orders booked now.

P. J. BERCKMANS CO., Inc., Fruitland Nurseries, AUGUSTA, GA.

MANETTI STOCKS

Especially for **FLORISTS'** use. Best French-grown.

Grafting size, 3-5 mm.....$7.00 per 1000; $65.00 per 10,000
First size, 5-10 mm..... 9.00 per 1000; 80.00 per 10,000
Newark prices: **duty paid.** For delivery in January. Order now and avoid disappointment.

ROSES, two years, field-grown, well-rooted.

DOROTHY PERKINS	$ 8.00 per 100
CRIMSON RAMBLER	10.00 per 100
HYBRID PERPETUALS, in good assortment	$10.00 to 12.00 per 100

Send for our Wholesale Price List of Roses, Clematis, Flowering Shrubs, Conifers, etc.

JACKSON & PERKINS CO., Newark, Wayne Co., N. Y.

BABY RAMBLER

in bud and bloom.

4-inch pots, 20c—quick shipment.

THE LEEDLE FLORAL COMPANY, SPRINGFIELD-OHIO

PEONIES.

Queen Victoria (Whitleyii), per 100	$ 9.00
Festiva Maxima, per 100	30.00
Fragrans, "Late Rose"	per 100, 6.00

Large stock of M. L. Rhubarb and Lucretia Dewberry Plants.
For 1000 rates and other varieties, write

GILBERT H. WILD, Sarcoxie, Mo.

Send to **THE MOON** Company
For Your { Trees, Shrubs, Vines and Small Fruits.
Descriptive Illustrated Catalogue Free
THE WM. H. MOON CO., Morrisville, Pa.

CHOICE NORTHERN GROWN
2-year in field, fine for forcing.

CRIMSON RAMBLERS,

$10.00 per 100.
HYDRANGEA PAN. GRAND., $8.00 per 100.

C. M. NIUFFER, Springfield, Ohio.

Please mention the American Florist when writing

Jacs Smits, Ltd.

NAARDEN. (Holland.

GROWERS OF
Rhododendrons, Axaleas, pot grown Shrubs for forcing, Lily of the Valley, Spiræa, Paeonias, Roses, Climbing Plants, good varieties of Conifers and all ornamental stock.

Personal Inspection Cordially Invited.
R. R. Depot, NAARDEN-BUSSUM, near Amsterdam.
Price list free on demand.

LARGE TREES.

OAKS and MAPLES.
PINES and HEMLOCKS.

ANDORRA NURSERIES,
Wm. Warner Harper, Prop.
Chestnut Hill, PHILA, PA

Montreal.

TRADE GOOD.

The past week has been a busy one for the florists, several important social functions having taken place, the most important being the St. Andrew's ball. The decorations were chiefly carried out with bunting and large palms. All kinds of flowers were worn by the ladies with the exception of the thistle, roses being chiefly in evidence. The chrysanthemum is gradually decreasing in number and in public favor and the rose and carnation are taking their former place, carnations especially taking the lead, owing to the excellent quality of the flowers now offered.

NOTES.

Tom McHugh landed home safely from Toronto with the Hanlan cup, winning it for the second time. Tom is quite confident of winning it for a third time, and then owning it.

McKenna's new delivery wagon is quite a novelty and altogether out of the ordinary; in addition to this the firm has a new horse, new harness and a new driver.

Chas. Craig, late head gardener to A. Joyce, Outremont, has secured a position with Graham Bros., Ottawa.

John Walsh won the first honors in the aggregate euchre, John Eddy, second, and W. H. Horobin, third.

Visitor: Harry A. Bunyard.

LUCK.

Columbus, O.

TRADE GOOD.

Thanksgiving trade here exceeded all expectations, good stock and plenty of it, together with good demand, making a very successful day of it. Several weddings also helped to make it a busy day. The chrysanthemum proved to be a very popular flower and in some places was sold out completely. There was also a good call for carnations and roses. Chrysanthemum houses are now beginning to look empty, long benches of short stubs not being ornamental. Within the past few weeks several small shipments of orchids have been received. Although Columbus is not slow by any means in the way of floral work, still orchids are not an everyday occurrence, and attract some attention.

The Fifth avenue Floral Co. has just built some new houses. This firm has now 10 houses, ranging from 75 to 150 feet in length.

CARL.

LOS ANGELES, CAL.—H. H. Friend has been appointed manager of the Redondo Floral Co., of Spring street, in the place of A. F. Borden, resigned.

ASPARAGUS PLUMOSUS

Exceptionally fine stock from 3-in. pots. $5.00 per 100.

ASPARAGUS SPRENGERI, from 3½-in. pots $6.00 per 100.

Write for price on large lots.

SCHARFF BROS., Van Wert, Ohio

Begonia Gloire de Lorraine.

4-inch.....per doz., $5.00
3-inch.....per doz., 3.00
Fine stock, all in bloom.

Boston Ferns, 8-in. pans, $1.50 each; per doz., $15.00
6-in. pans.....50c each

A. JABLONSKY, Wellston, Mo.

CARNATIONS ROOTED CUTTINGS.

	Per 100	Per 1000
Victory	$6.00	$50.00
Enchantress	2.00	18.00
Lawson (white)	3.00	25.00
Lady Bountiful	3.00	25.00
Boston Market	$1.50	$12.50
Mrs. E. A. Nelson	2.00	15.00
Lawson (pink)	1.50	12.50

Chrysanthemum Stock Plants.

White: Willowbrook, Kalb, Estelle, Wanamaker, Ivory Robinson. **Yellow:** Appleton, Bonnaffon Halliday. **Pink:** Coombes, McNeice, Enguehard. **60c** per doz.; **$4.00** per 100.

Asparagus Plumosus Nanus, 3 in., $5.00 per 100. **Asparagus Sprengeri,** 2½-in., $2.50 per 100.

E. T. WANZER, Wheaton, Ill

500,000 VERBENAS

60 Finest Named Varieties.

Rooted Cuttings, 75c per 100; $6.00 per 1000
Plants, $2.50 per 100; $20.00 per 1000.

Our list is the choice from millions of seedlings. Order early.

The floral and plant business of the late Mr. J. L. Dillon will be continued under his name by his executors.

LOUISE H. DILLON, ALICE D. FURMAN } Executors.

J. L. DILLON, Bloomsburg, Pa.

Please mention the American Florist when writing

ABUNDANCE

Rooted Cuttings of this Most Prolific White Carnation

Will be ready for delivery in January.

Price: $5.00 per 100; $40.00 per 1000.
250 at 1000 rate.
5 per cent discount for cash with order.

RUDOLPH FISCHER
Great Neck, L. I., N. Y.

Please mention the American Florist when writing

SPECIALTIES.

ROSES, from 3-inch pots. **CHRYSANTHEMUMS.**
CARNATIONS, for fall delivery. **SMILAX. VIOLETS.**
IN BEST VARIETIES.

Prices low. Send for list.

WOOD BROTHERS, Fishkill, N. Y.

Please mention the American Florist when writing.

GOV. HERRICK THE COMING VIOLET

One that produces three times as many flowers as any violet ever offered for sale. It will please you. Order at once. Prices: $2.00 per doz.; $10.00 per 100; $75.00 per 1000; 5,000 or more at $60.00 per 1000. Send for description today.

H. R. CARLTON, Willoughby, O.
INTRODUCER and ORIGINATOR.

Please mention the American Florist when writing

WE ARE BOOKING ORDERS FOR

Nephrolepis Amerpohli

The Sensational New Fern.
Awarded Highest Certificate of Merit at the S. A. F. Convention, 1906.

JANESVILLE FLORAL CO, Janesville, Wis.

Please mention the American Florist when writing.

SUPERB

BOXWOODS.

Just Arrived. Perfectly Shaped.

Bushes for Window Boxes, from top of root ball, 12 to 20 inches high.....$0.75 a pair
24 inches high..... 1.00 a pair
Pyramids, 3 ft. high.....$2.00 and $3.00 a pair
" 4 ft. high..... 3.00 and 4.00 a pair
" 4 ft. 6 in. high..... 5.00 a pair
" 5 ft. high..... 7.00 a pair
Grafted Baby Ramblers on Manetti; nice bushy plants in 3½ and 4-in. pots, ready for early forcing, $15.00 per 100.

ANTON SCHULTHEIS,
9th St. and 4th Ave., **College Point, L. I., N. Y.**

CARNATION IMPERIAL

Variegated seedling, pink shade similar to Enchantress, and a deeper pink. Flowers 3-4 inches, strong calyx, good stems, early, free and a continuous bloomer.

PINK IMPERIAL.

A sport of Imperial, of a pleasing pink shade that has long been wanted.

My own origination. To be disseminated in 1907. Place your order at once.

PRICES.—Selected cuttings, delivery commencing in December, 1906. **$2.50** per dozen; **$12** per 100; **$100** per 1000; 50 at 100 rates; 250 at 1000 rates. 5 per cent discount for cash with the order.

JOHN E. HAINES, Bethlehem, Pa.

Now is the Time
to Subscribe to the
Horticultural Trade Journal

Published weekly. The Largest Brightest, and Best British Trade Publication. Also

THE INTERNATIONAL EDITION

Published quarterly. Annual subscription for weekly and quarterly numbers, One dollar, (International money order). Subscribe to-day and keep in touch with European markets and topics.

THE HORTICULTURAL PRINTING COMPANY
BURNLEY, ENGLAND.

"VICTORY"

The best scarlet carnation ever introduced to the trade. It has given universal satisfaction everywhere. We have them in quantity. December 1, or later, delivery. **$6.00** per 100; **$50.00** per 1000.

JENSEN & DEKEMA,
674 W. Foster Ave., CHICAGO.

It is good business policy to mention
The....
AMERICAN FLORIST
When you write to an advertiser

Fine Christmas Stock

Our Leading Specialty this Season is

Ficus Pandurata

6 in. pots, 2½ to 3 ft. high, $3.00 each; 3½ to 4 ft. high, $4.00 each; 4½ to 5 ft. high in tubs, $7.50 each. Branched plants, $4.00, $5.00 and $7.50 each.

Crotons

4 in. pots, $25.00 per 100, well colored stock; 5 in. pots, $6.00 per doz., $50.00 per 100; 6 in. pots, 75c and $1.00 each. Made up pans, fine stock, $2.00, $3.00, $5.00 and $7.50 each. The best we have ever had.

PANDANUS VEITCHII 50c, 75c and $1.00 EACH.

Nephrolepis Scottii, 35c, 50c, 75c and $1.00 each.
Nephrolepis Elegantissima, well grown, handsome plants, 75c, $1.00 and $2.00 each.
Nephrolepis Whitmani, handsome plants, 75c and $1.00 each.

Boxwood, pyramid plants, 30c to 7.50 each. A large assortment.
Ardisia Crenulata, well berried, $1.25 and $2.00 each. Also a fine lot of
Dracaenas, Oranges in fruit, Poinsettias, etc.

CALL AND SEE US **SEND FOR PRICE LIST**

ROBT. CRAIG CO.

Market and 49th Street PHILADELPHIA, PA.

FERNS.

	Each
Elegantissima, from bench, suitable for 6-in	50c
Elegantissima, Runners	5c
Piersoni, from bench	50c
" Runners	3c

ASPARAGUS.

Plumosus and Sprengeri, 6-in	20c
" " " 3½-in	5c
Begonias, good varieties mixed 5-in	15c

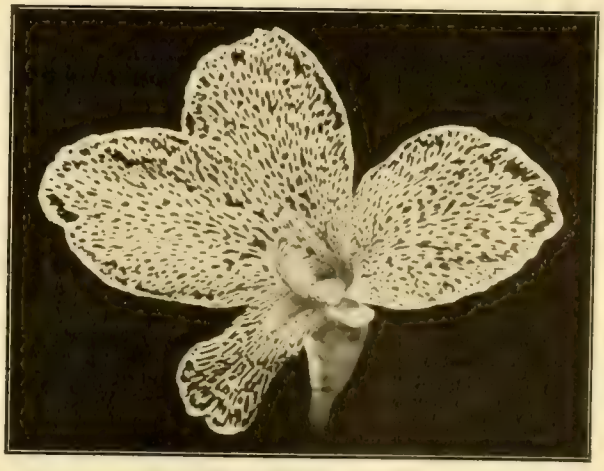
All first-class stock. Will exchange for 2½-in. Geraniums. Send me your list.

SHEARER, The Florist,
WINCHESTER, KY.
Please mention the American Florist when writing

Queen Beatrice Rose.

Four to one shot. Four times as many flowers as Maid.

F. H. KRAMER, 916 F St., WASHINGTON, D. C.
Please mention the American Florist when writing.



ELIZABETH HOSS.

CANNAS

Bargain Prices.

Until Jan. 1, 1907, Send for list of varieties and price also **Mum Novelties** for 1907, and **Seeds.**

Beautiful, thrifty plants of **Petunias, Ageratums, Salvias, Heliotrope,** etc. Prices very low.

NATHAN SMITH & SON,
ADRIAN. MICH.

For Best Results advertisers should mail new advertisements so as to reach us Monday.

FOR THE HOLIDAYS. Norfolk Island Pines

ARAUCARIA EXCELSA

4-inch pots, 5 to 6 inches high, 2 tiers.....$0 40 each
6-inch pots, 12 to 14 inches high, 3 tiers..... 75 each
6-inch pots, 16 to 18 inches high, 3 to 4 tiers..... 1 00 each
6-inch pots, 18 to 20 inches high, 4 tiers..... 1 25 each
7-inch pots, 20 to 22 inches high, 4 to 5 tiers..... 1 50 each

ARAUCARIA EXCELSA GLAUCA

6-inch pots, 13 to 15 inches high, 3 tiers.....$1 25 each
7-inch pots, 22 to 24 inches high, 4 to 5 tiers..... 2 00 each

ARAUCARIA ROBUSTA COMPACTA

6-inch pots, 10 inches high, 2 to 3 tiers.....$1 25 each
6 inch pots, 12 inches high, 3 tiers..... 1 50 each

ADIANTUM FARLEYENSE

Extra fine stock. The best we have ever offered. Every plant a specimen.
4-inch pots.....$ 5 00 per dozen; $40 00 per 100
5-inch pots..... 9 00 per dozen; 70 00 per 100
6-inch pots..... 12 00 per dozen

NEPHROLEPIS SCOTTII

Dwarf, perfect bushy specimens, as fine as can be produced.
6-inch pots.....50c each

NEPHROLEPIS WHITMANI

The finest of all the Ostrich Plume varieties.
Well furnished, compact plants, in 8-inch pans.....$2 00 each

BOSTON FERNS

Good compact plants in 6-inch pots.....50c each

MIXED FERNS FOR DISHES

A good assortment of useful varieties.
2¼-in. pots..$3 50 per 100; $30 00 per 1.00 3-in. pots..$6 00 per 100; $50 00 per 1000

HENRY A. DREER, 714 Chestnut St., Philadelphia, Pa.

Last Call for Chrysanthemums

Clementine Touset, Jeanne Nonin, Monrovia, white and pink Pacific, white and yellow Bonnaffon, white and yellow Eaton, Mrs. Weeks, Viviand Morel, J. K. Shaw, Alice Byron, Dr. Galloway, Ben Wells, Dr. Enguehard, Col Appleton, Yanoma, Chadwick, etc., **$1.00** per doz.; **$8.00** per 100. Cash with order.

GUNNAR TEILMANN, Marion, Ind.

Please mention the American Florist when writing.

CARNATION JOHN E. HAINES.

The leading scarlet, brilliant color, fine stem, the most productive ever introduced; blooms early until thrown out in July; no extra grass. All shoots make flowers. Watch the papers and see what growers have to say about it. None but well-rooted, healthy cuttings leave the place.

Rooted cuttings ready December 15, 1906. Price $6.00 per 100; $50.00 yer 1000.

JOHH E. HAINES, Bethlehem, Pa.

Please mention the American Florist when writing.

A Few Good Things You Want.

Cash with Order.

Dracaena Indivisa, 4 and 5-inch, $10.00 and $25.00 per 100.
Asparagus Plumosus, 2-in., $3.00 per 100. 3-in., $5.00 per 100.
Asparagus Sprengeri, 2-inch, $2.50 per 100.
Geraniums, S. A. Nutt, John Doyle, Perkins, Poitevine and Double Gen. Grant, La Favorite, 2 in. pots, $2.00 Rooted cuttings, $1.00 per 100.
Rex Begonia, nice plants, 2 and 2½-inch, $5.00 per 100.
Boston Ferns, 5-inch, 30c each.
Pierson Ferns, 5-inch, 50c each.
Vinca Var., 2-in., $2 00 per 100.
Primula Obconica, 2-in., $2.00 per 100.
Gladiolus, blooming buds extra fine mixture, to close out while they last, 60c per 100; $5.00 per 1000.

GEO. M. EMMANS, NEWTON, N. J.

Please mention the American Florist when writing.

CYCLAMEN, LARGE FLOWERING for CHRISTMAS BLOOMING

5-inch, $15.00 per 100; 4-inch, $10.00 per 100; 3-inch, $5.00 per 100. 300 for $10.00.
Primroses, Chinese and Obconica, well budded for Christmas blooming, 4-inch, $6.00 per 100; 3-inch, $3.00 per 100. **Asparagus Plumosus nanus,** 3½-inch, $6.00 per 100. **Cinerarias,** 3-inch, $3.00 per 100.

HILL TOP GREENHOUSES,
15-16 Gray Ave., **UTICA, N. Y.**

Please mention the American Florist when writing

Roses! Dahlias! Cannas! Violets!
Miscellaneous Plants!

ROSES. We have in stock upwards of 1000 different varieties, consisting of the very latest European varieties, as well as all the leading varieties of American origin. Stock from 2½, 4 and 5-inch pots, all on own roots. Ask for catalogue.

DAHLIAS. 25 leading varieties, all under name, guaranteed true, including the best sorts in cultivation, such as Admiral Dewey, Constancy, Gloriosa, Orange King, Prof. Baldwin, Maid of Kent, C. W. Bruton and Uncertainty. Field clumps as dug, **$5.00** per 100; **$45.00** per 1000. Catherine Duer, field clumps, **$8.00** per 100.

CANNAS. 40 leading varieties, **$10.00** per 1000 and upwards. Write for list and prices.

VIOLETS. Lady Hume Campbell, Princess of Wales, Swanley White, Admiral Avellan and Luxonne; nice strong plants, from 2½-inch pots, **$3.50** per 100; **$30.00** per 1000.

MISCELLANEOUS PLANTS.

Ampelopsis Veitchi, nice, strong, 2-year-old, field-grown plants, per 100, $6.00; per 1000, $55 00
Clematis Paniculata, 2-year-old, field-grown stock strong plants, per 100, 7.00; per 1000, 65.00
Cissus Discolor, nice plants, from 2½-inch pots.....per 100, $4 00
Cyperus Gracilis, from 2½-inch pots.....per 100, 3.50
Asparagus Sprengeri, from 2½-inch pots.....per 100, 4 00
Asparagus Plumosus, from 2½-inch pots.....per 100, 4.00
Weeping Lantana, from 2½-inch pots.....per 100, 3.50
Viburnum Plicatum, and a complete list of hardy shrubs, vines and miscellaneous plants of all kinds. Send us your list for prices. Ask for catalogue—it's free.

Address **THE DINGEE & CONARD CO.,** Rose Growers,
WEST GROVE, PA.
ESTABLISHED 1850. **70 GREENHOUSES.**

Please mention the American Florist when writing.

LUDVIG MOSBAEK
ONARGA, ILL.

Asparagus Pl. Na. and Spreng., 2, 2½, 3 and 4 in., $2.00, $2.50, $5 00 and $8.00 per 100.

Ferns Boston, Piersoni and Anna Foster, 2¼, 3 and 4 in., $3.00, $6 00 and $12 00 per 100; 6-in., $4.00; 8-in., $10 00; 10-in., $20.00 per doz. Piersoni Elegantissima and Scottii, fine runners, $40.00 per 1000; Boston, $20 00 per 1000.

150,000 Cannas in 35 var. List mailed.

50,000 Hardy Perennials Field and pot grown.

Rooted Rose Cuttings.

Strong well-rooted cuttings, Bride, Maid, Golden Gate, Chetenay, $1.50 per 100; $12.50 per 1000. Richmond, $2.00 per 100; $18.00 per 1000.

Asparagus Plumosus, 2¼, $3.00; 3-in., $5.00. Sprengeri, 3-in., $4.00.

W. H. GULLETT & SONS, Lincoln, Ill.

Cattleya Mossiæ.

Can make exceptionally low prices on this fine Cattleya for delivery next spring and summer. Write for prices, etc,

L. A. FENNELL, Cythiana, Ky.

Red Riding Hood

IS THE SCARLET FOR YOU TO GROW WHEN YOU CONSIDER THE "BREAD AND BUTTER" PROPOSITION.

Here is its record at the Chicago Flower Show, winning in every entry:

1st prize for Best Scarlet Seedling.
1st prize for Best Vase 50 Scarlet.
1st prize for Best Vase 100 Scarlet.

A very free bloomer, with large flowers of a clear shade of scarlet, on long, stiff stems, bringing the highest market prices at all times. You need no other scarlet when you have this grand variety. Order early. 100,000 cuttings ready for January delivery, and orders are coming in rapidly.
Don't be late. Order to-day and get them early .$12.00 per 100; $100.00 per 1000.

ARISTOCRAT Is the leader of them all. It has already made good.
February 15th and later. $12.00 per 100; $100.00 per 1000.

Our prices on standard varieties are governed by the quality. The condition of our stock could not be better. This speaks for itself.

In 15 entries at the Chicago Flower Show we won 15 first prizes. First prize on every vase shown.

White Perfection, Daybreak Lawson, Rose Pink Enchantress, Enchantress, White Lawson, Lady Bountiful, Cardinal, Variegated Lawson, Jessica, and others, ready January 1st, 1907. **Send for Complete List and prices.**
There is nothing too good for the florist. We have what you want.

CHICAGO CARNATION CO., A. T. PYFER, Mgr., **Joliet, Ill.**

HEADQUARTERS FOR

CHRISTMAS GREENS

GALAX | FERNS

LAUREL AND PRINCESS PINE ROPING, SOUTHERN WILD SMILAX, BRANCH LAUREL, HOLLY, MISTLETOE, LEUCOTHOE, AND ALL EVERGREENS USED FOR DECORATIVE PURPOSES.

We take this opportunity to extend CHRISTMAS GREETINGS to all our customers and friends and thank them for their liberal patronage.

OUT OF TOWN ORDERS FILLED PROMPTLY AND FAITHFULLY

GEORGE COTSONAS & CO.

50 West 28th Street Telephone 1202 Madison NEW YORK CITY

Utica, N. Y.

RECORD THANKSGIVING TRADE.

The Thanksgiving trade was the best ever reported here. Flowers were plentiful and brought good prices. Violets took the lead, selling from $2.50 to $3 per 100. There was a good demand for carnations and roses. American Beauty roses were scarce but were not in great demand.

C. F. SEITZER.

Tuesday, November 27, being the 72nd. birthday of C. F. Seitzer a number of his friends in the trade were invited to his cozy home on Oswego street, to help make the day memorable. C. F. Seitzer is the grand old man of our club and has served as its treasurer since the time of its organization. The boys presented him with a handsome chain, to which gift he responded by a feeling speech of acceptance. After being treated to a bountiful German supper the boys left, wishing Mr. and Mrs. Seitzer many more happy years together. Among the out of town guests was Mrs. Wm. Wagner of Coopertown, N. Y. BUD.

Providence, R. I.

STOCK PLENTIFUL.

Thanksgiving business was good, and netted more than last year. Weather conditions were an exact repetition of 1905, Wednesday being moderate temperature with rain, and Thursday one of the brightest, coldest days experienced thus far. Violets were not in demand, strange to say, and thus disappointed those who had made extra efforts to meet a heavy call. Roses were plentiful, as also were carnations. Chrysanthemums were in good supply. Mrs. Jerome Jones, white Bonnaffon, white Eaton and Dr. Enguehard were most in evidence, with a fair sprinkling of Major Bonnaffon and yellow Eaton, John Macrea's new Yellow Dome was just right for the holiday and brought extra wholesale prices. M. M.

WHEELING, W. VA.—The recent financial difficulties of the Schreiber-Mabis Co. still has its echoes. One of the most regrettable after-results is that the veteran florist, Franz Laupp, has been compelled to cease his business career. He has been located at 1327 Market street for the past 16 years, always doing a prosperous business and making many friends. In all he was in the business, at various locations, for 40 years. His affairs will be continued to a certain extent at the Island greenhouse, at the upper end of North Front street, by his wife, Mrs. Louise Laupp.

THE ART OF

Floral..... Arrangement.

The first special newspaper in the world for floral arrangement.

250 ILLUSTRATIONS ANNUALLY.

Specimen number free.
Subscription, $2.40 yearly.

BINDEKUNST-VERLAG,
J. Olbertz. ERFURT, GERMANY

Our New Illustrated Descriptive

GERANIUM

Catalogue is one of the most complete and handsomest that has ever been sent out; it contains discriptions of seventy-five of the best standard and newer sorts, and one hundred imported novelties from the best introducers in Europe. Sent free to the trade only, as we do strictly wholesale business. Please enclose business card.

R. Vincent, Jr. & Son, WHITE MARSH, MD.

PINK SPORT OF ENCHANTRESS

COLOR—Rose pink. **HABIT**—Identical with Enchantress.

PINK SPORT OF ENCHANTRESS will make a very desirable addition to your list of Carnations. Rooted Cuttings, per 100, $6.00. Rooted Cuttings, per 1000, $50.00. Send orders to

HOLTON & HUNKEL CO., Milwaukee, Wis.

Or to the Originator and Grower,

E. H. BLAMEUSER, Niles Center, Ill.

Directory of Gardeners

—AND—

Estates Employing Gardeners

—IN THE—

UNITED STATES and CANADA.

Price $5, Cash With Order.

AMERICAN FLORIST CO. 324 DEARBORN ST., ... CHICAGO.

BEST ENGRAVINGS and ILLUSTRATIONS

—Of Every Description—

FOR CATALOGUES.

SEE OUR WORK IN THIS PAPER. SEND FOR ESTIMATES.

GLOBE ENGRAVING and ELECTROTYPE CO.

407-427 Dearborn St., CHICAGO.

Please mention the American Florist when writing.

FERNS. Extra Fine and Cheap.

FROM BENCH. Boston, 3-inch 5c; 4-inch, 10c.; Tarrytown, 3-inch, 10c.; 4-inch, 15c; 6 inch, 25c; Tarrytown Runners, fine stock, $1.50 per 100.
FLOWERING BEGONIAS, 8 kinds, 2-inch, 2½c.
REX BEGONIAS, 3-inch, 8c
GERANIUMS, 2-in., strong, 2c.

Rooted Cuttings, per 100 prepaid.

Fuchsia, 5 kinds, $1.25; **Salvia,** Bonfire, Spendens, 90c; **Vinca Var.,** 90c; **Dbl. Petunia,** 10 kinds, $1.00; **Heliotrope,** 3 kinds, $1.00; **Ageratum,** White, Pauline Gurney, 60c; **Paris Daisy,** Giant White, Yellow $1.00, Alexandra, $1.25; **Swainsona alba,** $1.00 Cash or C. O. D.

BYER BROS., Chambersburg, Pa.

Advertisers send copy early for best service...

MABELLE, New Pink Carnation for 1907

Color—A peculiar shade of lovely pink, with a faint yellowish cast; several shades lighter than the Lawson. Unlike most pinks, the brightest sun does not injure the color. Size—3 to 4 inches in diameter when established. Odor—Pleasing, but not strong. Stems—Invariably strong, but always graceful, ranging from 12 to 30 inches during the season. Habit, etc.—A very quick, active grower, making specimen plants in a short time, even from late cuttings. On account of its rapid growth, requires supporting very soon after benching. Gets away rapidly, blooms early and gives long stems right from the start. Productiveness—Prodigious is the best word we know of to use here. It is the most incessant bloomer, early and late, we have ever grown. Stock limited. Delivery January 5 to 10 and later. Price, $12.00 per 100, $100.00 per 1000.

THE H. WEBER & SONS CO., Oakland, Md.

Please mention the American Florist when writing.

To Carnation Growers:

IMPERIAL AND PINK IMPERIAL CARNATIONS.

HERE are two good ones for you; the former the beautiful variegated delicate pink ground spotted with deeper pink; the latter a Lawson shade of pink, and both fancy varieties. They are vigorous growers, no grass, and every shoot produces a flower. The supply of cuttings will be limited. You cannot well afford to be without some stock of these two excellent varieties. They should, and undoubtedly will, prove a most valuable asset to our collection of desirable commercial carnations, and growers who would be up to date must not be without them. I have watched carefully these two varieties for some time, and can fully vouch for their excellence. Enough said.

The first batch of rooted cuttings will be ready December 15, 1906. Place your orders now and be assured of supply for next season, or for further particulars regarding these two excellent commercial carnations, address

ALEXANDER J. GUTTMAN, OR JOHN E. HAINES,

The Wholesale Florist of New York,
43 West 28th Street, NEW YORK.

Originator,
BETHLEHEM, PA.

MY FIRST XMAS GREETING

AS A WHOLESALE AND COMMISSION

PLANTSMAN

I have a grand stock of FOLIAGE, DECORATIVE and FLOWERING plants of all kinds and can fill your requirements faithfully and promptly at the lowest market prices. I guarantee satisfaction through many years experience.

Christmas Greens, Holly, Mistletoe, Laurel Branches and Roping, Princess Pine Roping, Galax, Fancy and Dagger Ferns, Leucothoe, Moss. Boxwood and other Evergreen Shrubs.

GIVE ME A TRIAL ORDER—CALL, WRITE, 'PHONE or TELEGRAPH

Consignments Solicited, Telephone 3767 Madison

C. W. EBERMAN 53 WEST 30TH ST. NEW YORK

Des Moines, Ia.

TRADE DULL.

The rainy weather of last week was in a measure to blame for the Thanksgiving business not being up to expectations. Chrysanthemums and roses were in abundance but did not move as fast as the retailers would like to have them. Only about six days of sunshine the last month made carnations very scarce. Violets, too, were in great demand and not very plentiful.

NOTES.

Preparations are actively in progress for the meeting of the State Horticultural Society, also of the Park and Forestry Association, which will be held December 11-12-13, joint meetings of the two associations being held at these times.

Secretary Wesley Greene attended the meeting of the Northeastern Iowa Horticultural Society, at Charles City, and the Southeastern Iowa Horticultural Society, at New London, a short time ago.

Miss Alice Kimey, who has been confined to her home on account of poisoned hands the past two weeks, has again resumed her position at Lozier's.

W. E. Kemble, of Oskaloosa, was in the city recently, attending the state meeting of the Y. M. C. A. association.

Vaughan's Greenhouses are cutting some very fine chrysanthemums, also some fine Ivory and Richmond roses.

Lozier's are very busy with wedding decorations; they also had the decorations at the Shriners' banquet.

Mrs. Harvey Lozier, who has been in the hospital, is at home again, much imroved in health.

The Iowa Floral Co. report a very good Thanksgiving business.

M.

Minneapolis, Minn.

GOOD THANKSGIVING TRADE.

Business was very good on and around Thanksgiving. The merchants all report good sales and an excellent supply of stock. The medium priced chrysanthemums and red roses seemed to be leaders, but carnations and all small stock sold rapidly. Stock is coming in now in good quatity and quality. Roses are prime, and carnations are bringing good prices. Lily of the valley, hyacinths and narcissi are in demand and are of excellent quality. Green stuff is not so plentiful as might be wished, but indications are that it will be better for Christmas.

NOTES.

The Minneapolis Floral Co. report a heavy business with an especially large demand for the increasingly popular Kate Moulton rose. This rose is a winner, and is bound to last.

The hostess' ball last week, held at the West hotel, furnished a source of activity for some of our leading florists, and the results were a decided credit to the craft.

Amundson and Kerchner have recently opened a very attractive floral store at 409 Hennepin avenue, and are doing a lively business.

G. H.

WINONA, MINN.—H. J. Fuhlbruegge and Miss Sara Hassinger were married December 5, and the honeymoon was spent in Chicago.

New Carnations for 1907.

	Per 100	Per 1000
BEACON, Peter Fisher's new red. We have the cuttings on hand now	$12 00	$100 00
For January delivery we can promise		
ROSE PINK ENCHANTRESS	7 00	60 00
RED CHIEF, WINSOR and **BONNIE MAID**	12 00	100 00
ARISTOCRAT, for Feb. delivery	12 00	100 00
The best of 1906 introduction, Jan. delivery.		
WHITE PERFECTION, CANDACE, MELBA, VICTORY, ROBT. CRAIG	6 00	50 00

POT GROWN STOCK FOR EASTER FORCING.

	Per doz.	Per 100
AZALEA MOLLIS, 15-18 in. high, 20-30 buds	$4 50	$35 00
AUCUBA JAPONICA, variegated, bushy plants, 2 feet high	5 00	
DEUTZIA Gracilis, 6-in. pot grown, only kind to force	1 50	12 00
" Lemoine, pot grown, for forcing	2 50	20 00
HYDRANGEA Otaksa, strong dormant 6 and 7 in pot grown plants, with 3 to 4 flowering stems, easily forced for Easter	5 00	40 00
HYDRANGEA Thos. Hogg, same size, containing 6 to 10 shoots	5 00	40 00
LILACS, Chas. X. Marie Legraye and Souv. de Louis Spath, bushy, pot grown, well set with buds	9 00	65 00
MAGNOLIA Halleana 2 feet with buds	$1 50 each	15 00
" Soulangeana, 4 feet with buds	1 75 each	18 00
RHODODENDRONS, all the best kinds and colors, in bushy, well shaped plants, and what is more important, every plant contains 10-15 well developed buds	1 25 each	12 00
HYBRID ROSES, all the best kinds, 2-year dormant		11 00
CRIMSON RAMBLER, extra select, 2-year-old, 3-4 feet canes		12 00
" 3-year-old, 4-5 feet canes		15 00
FRAU KARL DRUSCHKE, the new white rose, strong 2-year-old, field-grown	2 00	15 00
AM. BEAUTY, strong dormant 2-year old	2 00	15 00
KAISERIN AUG. VICTORIA, strong dormant 2-year-old	2 00	15 00
BABY RAMBLER, strong dormant 2-year old	3 00	25 00
" 1-year-old	2 00	15 00
LA FRANCE, strong dormant 2-year-old	2 00	15 00
GRUSS AN TEPLITZ, strong dormant 2-year-old	2 00	15 00

MANETTI STOCKS for grafting; extra fine quality; sure to please.
French stock ..... $1 50 per 100; $12 00 per 1000; $50 00 per 5000; $ 80 00 per 10000
English stock ..... 2 00 " 15 00 " 60 00 " 100 00 "

VAUGHAN'S SEED STORE, 84-86 Randolph St., CHICAGO. 14 Barclay St., NEW YORK.

Greenhouses and Nurseries: Western Springs, Ill.

Please mention the American Florist when writing

FIELD-GROWN ROSES

ON OWN ROOTS.

Nice Stock at $50.00 per 1000.

RARE OPPORTUNITY.

Some of the good ones you can get:

Bessie Brown,	Jack,	White Cochet,
Bride,	Gruss an Teplitz,	M. P. Wilder,
Bridesmaid,	Jubilee,	Paul Neyron,
Clio,	Kaiserin,	P. C. de Rohan,
Crimson Rambler,	Maman Cochet,	Pres. Carnot,
	Ulrich Brunner.	

Send for Price List, general assortment.

CALIFORNIA ROSE CO., Pomona, Cal.

White Enchantress Carnation

White Sport of Enchantress.

ROOTED CUTTINGS—$12 per 100; $100 per 1000.

E. SCHRADER,

NEW SPRINGVILLE, Richmond Borough. **New York**

Please mention the American Florist when writing

The Best Way to Collect an Account

is to place it with the

NATIONAL FLORISTS' BOARD OF TRADE, 56 Pine St., New York.

Why? Because many debtors will pay the Board, fearing otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.

Please mention the American Florist when writing

One of the Finest Gifts for the Holidays is a Beautiful Plant.

FINE, WELL-GROWN PLANTS OF OUR

Tarrytown Fern

(NEPHROLEPIS PIERSONI ELEGANTISSIMA)

Makes one of the finest plants for a holiday gift that we know of. We sell large quantities of these at retail among our local customers, and there is nothing more profitable or satisfactory for Christmas sales than a few of these nice plants.

We can offer fine selected specimens in all sizes, from medium sized plants in 6-inch pans up to immense elegant specimens in 16-inch pans, suiting all purses and all classes of trade. Order early and have the stock on hand where you can show it. You will find nothing more satisfactory or profitable. We can supply fine plants as follows:

Fine plants, 6-inch pans, 75c and $1.00 each, according to size. Fine specimen plants, 8-inch pans, $1.50 and $2.00 each, according to size. Very fine specimen plants, 10-inch pans, $3.00 each. Large specimens, 12-inch pans, $5.00 each. Extra large specimens, 14-inch pans, $7.50 each. Still larger specimens, 16-inch pans, $10.00 each. Also young stock for growing on, $12.00 per 100.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York.

THE NEW PINK ROSE "AURORA"

This rose is a seedling from Bon Silene and Souvenir de President Carnot. The flowers are large and full and are produced on strong and stiff stems, with a rich dark green foliage. The color is a beautiful pink with a deeper shading in the center. The keeping quality of the flowers is excellent, and it does not lose its brilliancy of color when kept in the cellar. The habit of growth is strong and vigorous; it has absolutely no tendency to go dormant during the winter and every shoot has a flower bud.

"AURORA" has inherited the productiveness of Bon Silene and has the free flowering qualities of this well-known prolific variety. It is easy to grow, and does not need a high temperature.

Plants from 2½-inch pots, own roots, **$30.00 per 100; $250.00 per 1000.** 50 at 500 and 100 at 1000 rate. Ready for delivery on and after March 1, 1907. Order at once if you wish to receive the early prepared stock. All orders filled in rotation.

PAUL NIEHOFF, Lehighton, Pa.

Trade Directory

FLORISTS, SEEDSMEN-NURSERYMEM, Etc.

2.00 Postpaid
AMERICAN FLORIST CO.
324 Dearborn St., CHICAGO.

Le Journal des Roses.

Organ of the French Rosarians.

Published at Paris. Once a month with colored plates.

Subscription $2.70 per Year. Sample Copies Free.

ADMINISTRATION DU SUISNES **JOURNAL DES ROSES**

a SUISNES, Brie

a Grisy-Suisnes. (Seine et M FRANCE

Please mention the American Florist when writing

DAHLIAS.

Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring

DAVID HERBERT & SON,

Successors to L. K. Peacock, Inc., **ATCO, N. J.**

Please mention the American Florist when writing.

SCOTTII FERNS.

We still have a fine stock of this beautiful fern to offer. Fine big plants for 4-in. pots 10c; 5-in., 15c; 6-in., 25c. This is a fair sample of the many letters received daily: SAN ANTONIO, TEX.

W. W. Coles:—I was very much pleased with my shipment of ferns from you and their condition, so I send another order. F. C. SUCHEY.

Order quick. We need the room. Cash.

W. W. COLES, Kokomo, Ind

Please mention the American Florist when writing.

ROOTED CUTTINGS.

Geraniums and Carnations

Send a list of what you want and how many of each variety, and I will be pleased to quote figures on your complete order.

ALBERT M. HERR, Lancaster, Pa.

Please mention the American Florist when writing

...ASPARAGUS...

Plumosus Nanus, 2-inch pots, $2.00 per 100

PANSY PLANTS, large flowering, $3.00 per 1000; 50c per 100.

CANNAS, dry bulbs, 10 varieties, $3.00 per 100. Cash.

JOS. H. CUNNINGHAM, Delaware, O.

CHRYSANTHEMUMS

AND STOCK PLANTS.

	Per doz.		Per doz.
Rosiere, pink	$1.50	Omega	0 75
Emereter, "	1.00	C. Touset	1.00
Monrovia	.75	Bergman	75
Merstham yellow	1.00	Willowbrook	.75

ELI CROSS, Grand Rapids, Mich.

Please mention the American Florist when writing.

LARGEST STOCK OF ALL

Belgian Plants.

AZALEAS, ARAUCARIAS, SWEET BAYS, PALMS, BEGONIAS, GLOXINIAS, ETC.

Louis Van Houtte Pere,

GHENT, BELGIUM.

ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the

"Horticultural Advertiser"

This is the British Trade Paper, being read weekly by all the Horticultural traders: it is also taken by over 1000 of the best continental houses. Annual subscription to cover cost of postage 75c; Money orders payable at Lowdham, Notts.

Address **Editors of "H. A."**

Chilwell Nurseries, LOWDHAM, Notts, England

Order Your Christmas Plants Now.

BEGONIA GLOIRE DE LORRAINE.

We have the stock that will please you.

AZALEAS IN BLOOM.

We will have a fine lot in full bloom for Xmas of Simon Mardner, double red Deutsche Perle, double white, Vervaeneana, double variegated.

Inches in diameter.	Per doz.	Each
12 to 14	$12 00	$1 25
14 to 16	15 00	1 50
16 to 18	20 00	1 75
18 to 20		2 50
20 to 22		3 00

BEGONIA GLOIRE DE LORRAINE.

You cannot afford to be without this popular Christmas Flowering Plant. We have one large house of handsome plants grown especially for Christmas trade of the following sizes:

	Per doz.
5-inch pans, very bushy plants in bloom	$ 9 00
6-inch pans, very bushy plants in bloom	12 00
7-inch pans, very bushy plants in bloom	18 00

XMAS OR CELESTIAL PEPPERS.

One of the best Xmas plants. The plants are covered with bright colored, cone-shaped fruit.

	Per doz.	Per 100
5-inch pots, single plants	$3 00	$20 00
6-inch pans, 3 plants to a pan	5 00	35 00
7-inch pans, 4 plants to a pan	9 00	

POINSETTIAS.

Do not get left again, but secure stock now by placing your order for delivery any time before Xmas. We have two houses full of choice plants in various sizes with good foliage and large bracts.

	Each	Per doz.
6-inch pans, 3 plants in a pan, strong	$1 00	$10 00
7-inch pans, 4 plants in a pan	1 25	12 00
8-inch pans 5 plants in a pan	1 75	20 00
10-inch pans, 6 plants in a pan	2 50	30 00

JERUSALEM CHERRIES.

Extra strong, bushy plants covered with bright berries: these plants will be extra fine for Christmas trade. 5-inch pots, bushy stock, each, 40c; per doz., $3.00. 6-inch pots, each, 50c; per doz., $5.00.

ORANGES.

We have a fine lot of plants in good shape for Christmas. Prices: $1.50 and $2.00 each, depending on the number of ripe fruit, 25c per fruit. Order early before all are sold.

DRACAENA TERMINALIS.

The popular red leaved plant for the holidays. We have a fine lot, all highly colored.

	Each	Per doz.
5-inch pots	$0 50	$ 5 00
6-inch pots	90	9 00
7-inch pans, 3 plants in a pan	1 50	18 00

ARAUCARIAS.

	Each.
Large stock in the leading sizes and varieties for Christmas trade.	
Excelsa, 6-inch pots, 5 whorls, 20 to 22 inches high	$1 50
Glauca, 6-inch pots, 3 to 4 whorls, 14 to 15 inches high	1 25
" 6-inch pots, 4 whorls, 18 to 20 inches high	1 50
" 6-inch pots, 4 to 5 whorls, 22 to 24 inches high	2 00
" 7-inch pots, 4 to 5 whorls, 28 to 30 inches high	3 00
Robusta Compacta, 6-inch pots, 2 to 3 whorls, 12 to 14 inches high	1 50
" " 7-inch pots, 5 whorls, 28 to 30 inches high	3 00

PTERIS FERNS.

Large lot of bushy plants suitable for counter trade and filling hampers.

	Per doz.	Per 100.
Pteris Tremula, strong, 4-inch pot plants	$1 25	$10 00
" " strong, 5-inch pot plants	2 00	15 00
" **Wilsoni,** strong, 5-inch pot plants	3 00	20 00

Assorted Pteris Ferns, 2¼-inch pots, per 100 $3.00; per 1000, $25.00.

Large stock of **Boston, Elegantissima, Whitmani** and **Scottii Ferns** in all sizes. Send for price list.

All dormant stock now ready, such as **H. P. Roses, Crimson Ramblers, Hydrangea P. G., Lilacs, Rhododendrons, Azalea Mollis, Deutzias, Clematis, etc., etc.**

VAUGHAN'S SEED STORE,

84-86 Randolph St., CHICAGO. 14 Barclay St., NEW YORK.

Greenhouses and Nurseries: Western Springs, Ill.

Last Call for Holiday Business.

ADVERTISE IN NEXT WEEK'S ISSUE.

Palms, Ferns, Etc.

WHOLESALE PRICE LIST.

	In.	Doz.	100
Asparagus Plumosus.	.2		$3.00
" "	.3		6.00
Asparagus Sprengeri.	.2		3.00
" "	.3		6.00
" "	.4	1.50	
" "	.5	2.00	

Aspidium Tensemense, 3-in., $1.00 per doz.; $8.00 per 100.
Boston Ferns, 5-in. pots, $3.00 per doz.; 6-in. pots, strong, $6.00 per doz.; 7-in. pots, $9.00 per doz. Larger specimens, $1.50, $2.00 and $3.00 each.
Pteris Argyrea, 3 in. $1.00 per doz.; $8.00 per 100.
Pteris Wimsetti, 3-in., 75c per doz.; $6.00 per 100.

ASSORTED FERNS FOR DISHES

$3.00 per 100; $25.00 per 1000. We have a large lot to offer in best varieties.

Cibotium Schiedei, 5-in., $9.00 per doz.; 6-in., $12.00 per doz.
Dracaena Fragrans, 5-inch pots, 50c each; $5.00 per doz. 6-in. pots, 75c each; $9.00 per doz.; 7-in., $1.00 each; $12.00 per doz.
Dracaena Indivisa. 2-inch pots, $2.50 per 100; 6-inch pots, 20 to 26 inches high, 50c each; $5.00 per doz.; 7-inch pots, 30 to 34 inches high, 75c each; $9.00 per doz.
Dracaena Terminalis, nicely colored, 2-in., $1.25 per doz.; 3-in., $2.00 per doz.; 6-in., $9.00 per doz.
Pandanus Utiles, 3-in. ..... per doz., $1.50
" " 4-in. ..... per doz., 3.00
" " 5-in. ..... per doz., 5.00
Cocos, for dishes, 2-in. ..... per doz., 2.00
Cocos Bonetti, large specimens, $40.00 each.

	In.	Each	Doz.
Kentia Belmoreana	3		$ 2.00
Kentia Forsteriana	7	2.00	24.00
" "	7 x	2.50	
" "	7 xx	3.00	

Latania Borbonica, 3-in. $1.50 per doz.; 3½-in., $2.00; 4-in., $3.00; 5-in., $5.00 and 7-in., $12.00 per doz.
Phoenix Canariensis, 2-in. ..... per doz., 1.00
" " fine bushy plants, 10-in. $2.50 and $3.00 each. Large specimens.
Phoenix Reclinata, 3½-in. ..... per doz., $2.00
" " 4-in ..... per doz., 3.00
Aucuba Japonica, 10-in. pots, 3 ft. high, $1.50 each.
Rhododendrons, 50c and 75c each.
Boxwoods, Pyramids, in tubs, 3 ft., $4.00 each; 4 ft., $5.00 each.
Boxwoods, Bush Form in tubs, 4 ft., $5.00 each.
" 1 ft. high, 35c each; $4.20 per doz.; 1½ ft. high., 50c each.

The Geo. Wittbold Co.

1657 BUCKINGHAM PLACE. CHICAGO.

Please mention the American Florist when writing

CHRYSANTHEMUMS

Stock plants, Adele, 60c per doz.; $3.50 per 100. White Bonnaffon, 70c per doz; $4 per 100

MRS. E. M. BULLOCK, Elkhart, Ind.

75c per doz.; $5.00 per 100.

'MUM STOCK PLANTS.

125 Appleton, 100 Wm. Duckham, 100 Glory of the Pacific, 50 Chito, 50 Intensity, 50 L. Carrington. Cash.

F. WALKER & CO.,

R. R. No. 1. NEW ALBANY, IND.

CHRYSANTHEMUMS. Extra Fine Stock Plants

Robinson, Weeks, T. Eaton, Col. D. Appleton, Goldmine, Dr. Enguehard, Wm. Duckham, Touset, Maud Dean, Casco, 75c per dozen.

TIPTON GREENHOUSES, Tipton, Iowa.

Rooted Cuttings Per 100 prepaid: Ageratum, Gurney and Pauline, 60c; Heliotrope, blue, 75c; Verbena, mixed, 60c; Salvia Bonfire, 45c; Coleus, asst., 60c; Vinca varieg., 90c. Cash.

SHIPPENSBURG FLORAL CO., Shippensburg, Pa.

Please mention the American Florist when writing.

WATCH ☛ PROSPERITY ☚ LOOK

Prepare for Christmas.

PRICES SLAUGHTERED ONE-HALF THE NORMAL.

☞ **THIS IS OUR LAST SLAUGHTER.** ☜

Is it possible to sell an Araucaria Excelsa, 4 years old, 18 to 23 inches high, 5 to 6 tiers for 75c? YES! Aschmann can do it. Read explanation below.

Prices **never** offered so low in the history of Araucaria cultivation. Why is that? For the simple reason, to obtain room to cultivate our great Easter stock. About 5,000 Araucarias, with an immense lot of Palms, Ferns, Azaleas, Rubbers, Begonia Gloire de Lorraine, etc., must be sold by Christmas.

☞ Please take notice. In all the Araucarias only spring importations are offered: raised in pots all summer, and can be shipped any distance safely without drooping

ARAUCARIA EXCELSA

There is no home complete without an Araucaria. 5½ to 6-in. pots, 18 to 23 in. high, 5 to 6 tiers, 4 years old, 75c; 6-in. pots, 23 to 25 in. high, 5, 6 to 7 tiers, 4 years old, $1.00; 6 to 7 in. pots, 25 to 30 in. high, 5, 6 to 7 tiers, 4 years old, $1.25; 7-in. pots, specimen plants, from $1.50, $1.75 to $2.00 each.

ARAUCARIA COMPACTA ROBUSTA—have several thousand of them; can supply all wants. These plants were never so fine in shape and condition as this year. The pet of the greenhouse; as broad as long. 6-in. pots, 3 tiers, 12 to 14 and 16 to 18 in. high, same wide, 3 years old, $1.00 to $1.25 each; 6 to 7 in. pots, 4 to 5 tiers, 18 to 20 and 22 to 25 in. high, same wide, 4 years old, $1.50 to $1.75 each; 7-in. pots, specimen, 6 to 7 tiers, and 25 to 30 in. high, same wide, 5 years old, $2.00 to $2.50 each.

ARAUCARIA EXCELSA GLAUCA—this variety on account of its beautiful green-bluish tiers, dwarf habit, fine compact shape gives it a striking appearance, and anybody seeing the plants must undoubtedly fall in love with them at sight. 6-in. pots, 3 tiers, 14 to 16 and 18 to 20 in. high, same wide, 3 years old, $1.00 to $1.25 each; 6 to 7 in. pots, 4 to 5 tiers, 20 to 25 and 25 to 30 in. high, same wide, 4 years old, $1.50 to $1.75 each; 7 in. pots, specimen, 5 tiers, 30 to 35 in. high, same wide, 5 years old, $2.00 to $2.50 each.

All these plants are as broad as long; the finest you have ever seen.

Aschmann's Ever-Prosperous Greenhouses Now Great Slaughter Houses.

HAVE NO MERCY, DOWN GO THE PRICES.

NO SCARCITY OF KENTIA PALMS.

Can meet all wants cheaper than ever.

KENTIA FORSTERIANA, 7-in. pots, made-up plants, 1 large size about 45 to 48 in. high in the center and 3 smaller sizes 25 x 30 in. high around, which gives them a good appearance, $2.00 to $2.50 each; 6-in. pots, single plants, 36 to 45 in. high, 5 to 6 good leaves, 4 years old, $1.25, $1.50 to $1.75 each; 6-in. pots, 32 to 36 in. high, 5 to 6 good leaves, 4 years old, $1.00 each; 5½ to 6 in. pots, 4 years old, 30 in. high, 5 good leaves, 4 years old, 75c; 4-in. pots made-up plants, 3 plants in a pot, 18, 20 to 25 in. high, 25c, 30c to 35c each.

ARECA LUTESCENS, 5-in. pots, 24 in. high, made-up with 3 plants, 35c; 4-in. pots, 20 to 24 in. high, made-up with 3 plants, 25c.

ARECA SAPIDA, just imported from Belgium, something new, very attractive, looks like Kentia, 25 in. high, 50c.

COCOS WEDDELLIANA, 15c.

ASPARAGUS PLUMOSUS NANUS, 4-in. pots, large bushy, 10c to 12c

ASPARAGUS SPRENGERI, 4-in., 10c.

FICUS ELASTICA, or **Rubber Plant,** 6 in. pots, 25 to 30 in. high, 40c to 50c each.

FERNS, all raised in pots and not on benches as follows:

NEPHROLEPIS BARROWSII, 7 in. pots, as big as a bushel basket, 75c to $1.00 each; 6-in. pots, large, ready for 7-in., 50c; 5½-in., 40c; 5-in., 35c; 4-in., 25c.

NEPHROLEPIS SCOTTII, 8-in., as big as a washtub, worth $3.00 now $1.50; 7-in., as big as a bushel basket, worth $1.50 now 75c to $1.00; 6-in., 50c; 5¼-in., 40c; 5-in., 30c to 35c; 4 in., 20c to 25c.

NEPHROLEPIS ELEGANTISSIMA, 5-in. pots, 30c.

BOSTON FERNS, 7 in., very bushy, only 75c; 6-in., 50c or $5.00 per doz.; 5-in., 30c to 35c; 4-in., 20c

FERNS—A fine assortment of Ferns for dishes, large, bushy, out of 2½-inch pots, $5.00 per 100

MAIDENHAIR FERNS, 6-inch 40c.

JERUSALEM CHERRIES, (or Solanum), 6 to 7 in. pots very bushy, full of berries, from $3.00 to $6.00 per doz.

DRACAENA BRUANTI, (imported), 30 in. high, full of green, waxy foliage from top to bottom; the only Dracaena for parlor store or house culture that can stand heat, dust and dirt; 6-in. pots, 50c, $5.00 per doz.

CHINESE PRIMROSES, 5¼-in. pots, very strong, in bloom and buds, $2.00 per doz.

HYDRANGEA OTAKSA, only pot-grown is offered, sure success for Easter forcing, 6-in. pots, 25c; 7 to 8-in., 50c.

AZALEA INDICA for Christmas **all ready forced** in bud and bloom. Deutsche Perle, double white; Simon Mardner, double pink; Vervæneana, double rose variegated, flowers very large. Prices: 75c, $1.00, $1.25 to $1.50, cash. In the small sizes mostly white. Some white must be taken with colored. Azaleas for Easter forcing in the best American varieties, pink, white or variegated: 35c, 40c, 50c, 75c, $1.00, $1.25 to $1.50, cash.

BEGONIA GLOIRE DE LORRAINE, 6-in. pots, in bloom and bud, for now and Christmas, 50c to 75c each.

BEGONIA FLAMBEAU, sells on sight, 4-in., ready for a shift into 6-in., 20c.

BEGONIA ERFORDII. New Improved, 4-in., 20c; 5¼-in., 25c.

All plants must travel on **purchaser's risk only.** CASH WITH ORDER.

When ordering, say whether the plants should be shipped in the pots or not.

GODFREY ASCHMANN,

IMPORTER AND WHOLESALE GROWER OF POT PLANTS.

1012 Ontario Street, - - PHILADELPHIA, PA.

The American Florist Company's Directory of Florists, Nurserymen and Seedsmen of the United States and Canada.

(Copyrighted and Title Trade-Mark Registered.)

DIRECTORY REVISION.

We are revising our **Trade Directory** of the **Florists, Nurserymen, Seedsmen,** etc., of the United States and Canada, and as there have been many changes in firm names and considerable extension of the area under glass, nursery grounds, etc., you would greatly oblige by filling out this sheet.

When was business established?.....

Whom did you succeed?.....

Are you a Florist?.....

Grower?.....*Retailer?*.....

*How many square feet under glass?**.....

Are you a Nurseryman?.....

Wholesale?.....*Retail?*.....

How many acres operated?.....

Are you a Seedsman?.....

Dealer?.....*Grower?*.....

What are your specialties?.....

.....

Firm name.....

Proprietor's name.....

Manager's name.....

Street.....

Postoffice.....*State*.....

* ☞ To ascertain the number of feet under glass in a given house, multiply the length (145 feet) by the width (12 feet) and you have in that house 1,740 feet under glass, thus.....

$$\begin{array}{r} 145 \\ \times\ 12 \\ \hline 1.740 \end{array}$$

Horticultural Supply Concerns.

We also list all lines of **Horticultural Supply Concerns,** such as manufacturers of

Greenhouse Building Materials, Boilers, Ventilators, Glass, Insecticides, Pots, Labels, Seed Bags, Fertilizers, Wire Designs, Tinfoil, Vases, Implements, Machinery, Sprayers, Seed Cases, Etc.

The specialties are also listed under these heads in the case of advertisers.

Advertising Rates.

Including Copy of New Edition.

Page (3½x6½ ins.)	$25.00
Half page (3½x3¼ ins.)	15.00
One-fourth page (3½x1⅝ ins.)	9.00

If there are any new firms or trade changes in your vicinity, please give the particulars here:

.....

.....

.....

☞ **PLEASE FILL IN THESE PARTICULARS AND MAIL THIS SHEET TO**

American Florist Company,

Directory Department. 324 Dearborn Street, CHICAGO.

THE FOLEY VENTILATING APPARATUS.

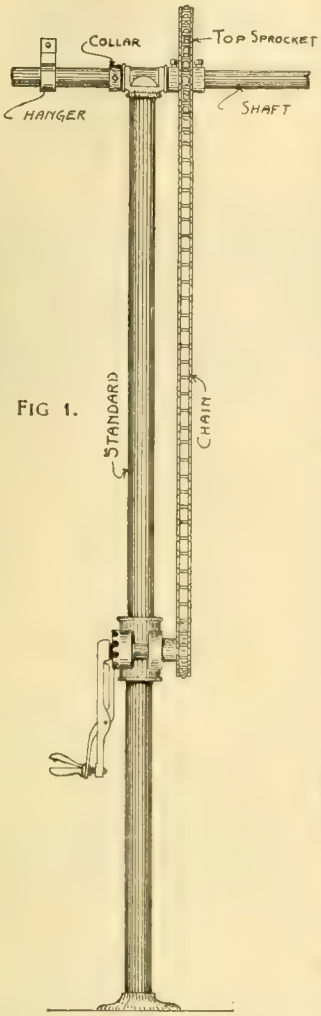


FIG 1.

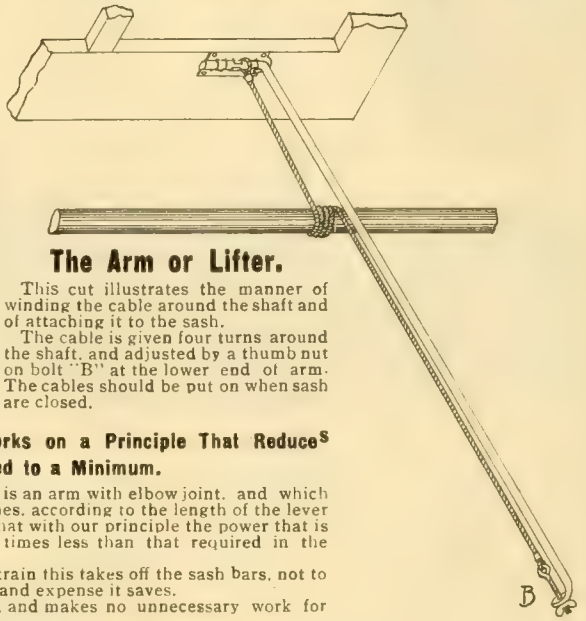
Fig. 1 Represents Our No. 1 Direct Acting Machine.

For operating sash on houses up to 175 feet long. The sash hinged either at the ridge or header.

This direct acting machine is very strong, compact and simple, and has a self-locking attachment in the handle so that when you let go the handle the machine is firmly locked.

Our No. 4 machine is the same as this only smaller with shorter handle and 1¼ inch standard. It is used for small, short houses and side sash.

Awarded First-Class Certificate of Merit by Society of American Florists.



The Arm or Lifter.

This cut illustrates the manner of winding the cable around the shaft and of attaching it to the sash.

The cable is given four turns around the shaft, and adjusted by a thumb nut on bolt "B" at the lower end of arm. The cables should be put on when sash are closed.

The Foley Ventilating Apparatus Works on a Principle That Reduces the Load to be Lifted to a Minimum.

Unlike the lever arm principle, which is an arm with elbow joint, and which increases the weight of the sash many times, according to the length of the lever portion of the lifter. It is safe to say that with our principle the power that is required to operate the sash is five to ten times less than that required in the other method with the lever arm.

It can be readily understood what a strain this takes off the sash bars, not to mention the power and consequent labor and expense it saves.

Our machine gets to business quickly, and makes no unnecessary work for itself to do.

EXPERT TESTIMONY.

"We are well pleased with them and do not hesitate to recommend them. 1. They have ample power. 2. Easy to operate and not noisy. 3. Light and neat in appearance and make very little shade. 4 Cheap.
W. N. RUDD.

FOLEY MANUFACTURING CO.

GREENHOUSE MATERIAL.

471 W. 22nd St., CHICAGO.

☞ *After March 1, 1907, we will be in our new factory and invite you to make us a call. It will interest you.*

Have You Used The PERFECT FLOWER POT HANDLE AND HANGER

It is just the thing for you to display your plants by hanging them on walls, etc., especially when you are crowded for room. Also for lifting plants out of jardinieres; will sustain a weight of **one hundred pounds.**

No. 1 will fit from 2 to 5-inch pots.....per doz., **30c**
No. 2 will fit from 5 to 8-inch pots..... " **40c**
No. 3 will fit from 8 to 12-inch pots..... " **50c**
By mail, 10c extra per doz. Sample pair 10c, postpaid.

W. C. KRICK, 1164 Greene Ave., Brooklyn, N. Y.

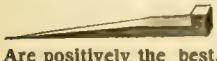
USE KRICK'S Florists' Immortelle Letters, Inscriptions, etc.

Highest Awards Wherever Exhibited.

These Letters and Designs are made of the best Immortelles, wired on wooden frames, having holes drilled in them to insert toothpicks by which they are fastened to the design.

Give them a trial. You will find these letters to be **superior to any in the market.**

1½-inch Letters and Figures.....per 100, **$2.50**
2-inch Letters and Figures..... " **2.50**
2½-inch Letters..... " **3.00**
Add 10c per 100 on 2 and 2½-inch Letters if my mail.



SIEBERT'S ZINC
Never Rust GLAZING POINTS
Are positively the best. Last forever. Over 16,000 pounds now in use. A sure preventative of glass slipping. Effective on large or small glass. Easy to drive. Easy to extract. Two sizes, ⅝ and ⅞, **40c** per lb.; by mail, 16c extra; 7 lbs. for **$2.50**; 15 lbs. for **$5.00** by express. For sale by the trade.

Siebert Company, Baum and Beatty Sts., PITTSBURG, PA.

ADVERTISERS

Send copy early for best service.

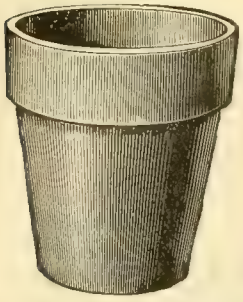
You Know We Moved to 125 N. 10th St.,
into our large building. We can supply you with all

CHRISTMAS GOODS

Such as **Cycas, Magnolia Wreaths, Bells, Immortelles, Etc.**

—Keep your "I" on the Enterprising Supply House of—

J. STERN & CO., 125 N. 10th St., PHILADELPHIA, PA.



The Whilldin Pottery Co.

STANDARD FLOWER POTS

Our output of Flower Pots is larger than any concern in the World
Our Stock is always Large and Complete

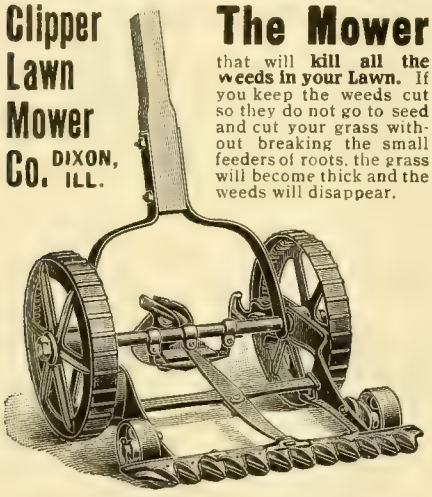
Main Office and Factory,
713 WHARTON STREET, PHILADELPHIA
WAREHOUSES: JERSEY CITY, N. J. LONG ISLAND CITY, N. Y.

FLORIST WARE OF EVERY KIND
A. H. HEWS & CO. INC.
CAMBRIDGE, MASS.
POT MAKERS FOR 140 YEARS

Clipper Lawn Mower Co. DIXON, ILL.

The Mower

that will **kill all the weeds in your Lawn.** If you keep the weeds cut so they do not go to seed and cut your grass without breaking the small feeders of roots, the grass will become thick and the weeds will disappear.



The Clipper will do it. Ask your dealer for them. If they have not got them, below is the price: No. 1—12-inch Mower, $5; No. 2—15-inch Mower, $6; No. 3—18-inch Mower, $7; No. 4—21-in. Mower, $8. Send draft money-order or reg. letter.

THE KELLER POTTERY COMPANY,

Manufacturers of FLORISTS' RED STANDARD POTS.

Azalea Pots, Bulb and Fern Pans, Etc.

Write for Price List. 213-15-17-19-21-23 Pearl St., NORRISTOWN, PA.

IONIA POTS.

STRONG POROUS DURABLE

In potting you will appreciate their smooth, well rounded edges. And this is but one of the many reasons why **IONIA POTS.** by superior merit alone have won a lasting place in the hearts of all our patrons. Remember us with your next order.

IONIA POTTERY COMPANY, Ionia, Mich.

THE BEST Bug Killer and Bloom Saver.

For **PROOF** Write to

P. R. PALETHORPE COMPANY,
LOUISVILLE, KY.

CUT FLOWER BOXES

WATERPROOF Corner Lock Style.

The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always.

		Per 100	Per 1000
Size No.	0, 3x 4x20	$2.00	$19.00
"	1. 3x 4½x16	1.90	17.50
"	2. 3x 6x18	2.00	19.00
"	3. 4x 8x18	2.50	23.00
"	4. 3x 5x24	2.75	26.00
"	5. 4x 8x22	3.00	28.50
"	6. 4x 8x28	3.75	36.00
"	7. 6x16x20	5.50	54.00
"	8. 3x 7x21	3.00	28.50
"	9. 5x10x35	6.50	62.00
"	10. 7x20x20	9.50	67.50
"	11. 3½x5x30	3.00	28.50

Sample free on application. No charge for printing on orders above 250 boxes. Terms cash.

THE LIVINGSTON SEED COMPANY,
Box 104, COLUMBUS, OHIO.

Those Red Pots

"STANDARDS"

FULL SIZE AND WIDE BOTTOMS, BULB PANS AND AZALEA POTS.

DETROIT FLOWER POT M'F'Y.
HARRY BALSLEY, Rep. DETROIT, MICH. 490 Howard St.

Standard Flower Pots!

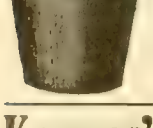
Packed in small crates, easy to handle.

		Price per crate			Price per crate
1500	2-in., in crate,	$4 88	120	7-in., in crate,	$4 20
1500	2¼ "	5.25	60	8 "	3 00
1500	2½ "	6.00		HAND MADE.	
1000	3 "	5 00	48	9-in., in crate,	$3.60
800	3½ "	5.80	48	10 "	4.80
500	4 "	4.50	24	11 "	3.60
320	5 "	4 51	24	12 "	4 80
144	6 "	3.16	12	14 "	4.80
			6	16 "	4.50

Seed pans, same price as pots. Send for price list Cylinders for Cut Flowers Hanging Baskets, Lawn vases, etc. Ten per cent off for cash with order. Address

HILFINGER BROS. POTTERY, Fort Edward, N. Y
or AUGUST ROLKER & SONS New York Agents,
31 Barclay Street, New York City

Please mention the American Florist when writing



GEO. KELLER & SON,
MANUFACTURERS OF
FLOWER POTS.
Before buying write for prices.
361-363 Herndon Street, near Wrightwood Ave., CHICAGO, ILL.

Red Standard Flower Pots

Price list and samples on application.

PADUCAH POTTERY CO., Inc.
PADUCAH, KENTUCKY.

Kramer's Pot Hangers

For Sale by Wholesale Seedsmen, Florists and Supply Dealers.

Price, $1.00 per dozen by express. Sample dozen by mail, $1.25.

L. N. Kramer & Son, CEDAR RAPIDS, IOWA.

L. BAUMANN & CO.,

Importers and Manufacturers of
Florists' Supplies

76-78 Wabash Ave., CHICAGO.

Write for our New Catalogue F. Our prices may interest you.

KILL YOUR SCALE.

If you want to KILL scale on your plants ABSOLUTELY there is only one preparation—

WILSON'S PLANT OIL.

Take a can of this preparation, dilute to four times its bulk with water, and wash or spray your palms, ferns, aspidistras, smilax or any plants subject to bugs or vermin and **your plants will be clean. No alkali. Nothing deleterious. Dries at once.**

READ WHAT OTHERS SAY OF IT.

RUTHERFORD, N. J., June 28, 1906.

We have thoroughly tried your Plant Oil with very striking results. We may say this is the first insecticide we have tried on our palms that will remove the scale with the first application. We would like to say this is one of the few things that the florists cannot afford to be without, especially those who are growing palms and decorative plants. After one application of your oil the plants take on an entirely new appearance. We would be pleased to have prospective buyers visit our nurseries and inspect the palms on which we have used your oil

BOBBINK & ATKINS.

NEW YORK BOTANICAL GARDEN, Bronx Park, New York City, September 5, 1906.

MR. ANDREW WILSON:—Having used your insecticide here, I can testify to its efficiency in destroying scale and other insects infesting plants.

Yours very truly, GEO. A. SKENE.

MR. ANDREW WILSON: FLORHAM FARMS, Park Department, Florham Park, N. J., Dec 8, 1906.

Dear Sir:—Your plant oil is certainly the most effective scale killer I have ever tried. Please send another five gallons.

Yours truly, A. HERRINGTON.

PRICES: In cans, ½ pint 25c; pint, 40c; quart, 75c; ½ gal., $1.25; gal., $2.00; 5 gals., $9.00.

WRITE FOR CIRCULAR.

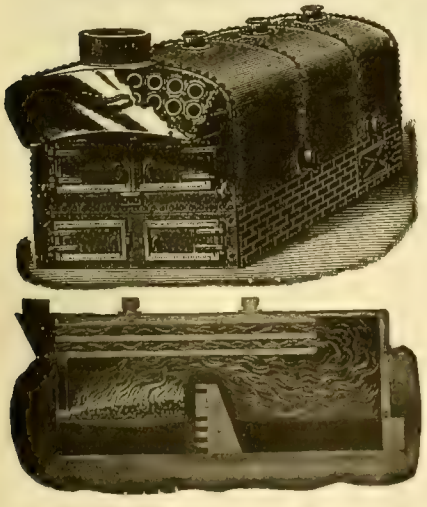
ANDREW WILSON, Summit, N. J.

KROESCHELL BROS. CO.

IMPROVED

Greenhouse Boiler

45 Erie Street, CHICAGO.



Boilers made of Steel Boiler Plate; shell, firebox sheets and heads of steel; water space all around front, sides and back. Write for information.

Please mention the American Florist when writing.

SPECIAL

Greenhouse Glass

Write for prices.

G. F. REYNOLDS, Durhamville, N. Y.

NICHOLAS WAPLER,

50 Barclay St., NEW YORK,

Manufacturer and Importer

TERRA COTTA

Grass Growing Heads and Animals

in different sizes and designs.

FISH GLOBES, FISH TANKS, AQUARIA,

FRENCH GLASS SHADES, round, oval and square, for covering statues, flowers, clocks and all kinds of ornaments.

Write for catalogue and prices.

IMPORTED HYACINTH GLASSES, Tall and Tye's Shape; Assorted Colors.

THE LOW PRICE HEATING PLANTS

The Chicago House Wrecking Co. is in position to offer you an interesting proposition for furnishing you with a heating plant at a saving of at least 30%. Send us a sketch of your houses with preferred location of the boiler, the points of compass and the desired night temperature for zero weather, and we will gladly submit you an exact detail quotation of all material required to install the plant. We have ***heaters*** and ***boilers*** of every kind, both new and rebuilt. We have always on hand a large number of rebuilt boilers suitable for greenhouse heating. Our stock embraces ***fire box boilers, horizontal tubular boilers, Kroeschell boilers, cast iron sectional boilers, Erie City economizers*** and other types.

We can save you considerable money on ***pipe, valves*** and ***fittings;*** also on ***doors, glass, sash*** and everything needed in the construction of your buildings.

Ask for our Special Catalogue No. 47.

CHICAGO HOUSE WRECKING CO.,

35th and Iron Streets, CHICAGO.

GREENHOUSE HEATING

Complete heating plants erected or materials furnished with working plans.

Write for prices on **BOILERS.**

JOHNSTON HEATING COMPANY,

St. James Building, 1133 Broadway, NEW YORK.

Index to Advertisers.

Adv rates.....1000
Advance Co The..VIII
Allen J K 1015
Alpha Floral.....1017
Amling E C.....1011
AndorraNurseries..1023
Appel Conrad.....1018
Aschmann Godfrey.1033
Atlanta Floral Co..1017
Austin H.....1008
Barrows Henry&Son 1013
Bassett &Washburn. .....IV 1011
Baumann L & Co...1036
Beaven E A.....1008
Beckert W C.....VI
Benthey-Coatsworth Co.....10 06 1011
Berckmans P J Co. 1022 1023
Berning H G. ... 1013
Bertermann BrosCo1016
Blackistone Z D....1017
Blameuser E H....1028
Boddington A T ...1019
Boland J B Co.....1017
Brant S D.....1017
Breitmeyer's J Sons1016
Bruns H N 1019
Budlong J A....1005 1011
Bullock Mrs E W..1033
Burpee W A & Co...VI
Byer Bros.....1028
Caldwell the Woodsman Co.....1008
California Rose Co.1030
Carlton H R.....1024
Carmody J D.....1032
ChicagoCarnationCo .....I 1027
Chicago House Wrecking Co.....1037
Cleveland CutFloCo1017
ClipperLawnMower Co.....1036
Coles W. W.....1032
Geo H Cooke.....1016
Cotsonas Geo & Co. 1015 1027
Cottagegardens 1023
Cowee W J.....1038
Craig Robert Co....1025
Cross Eli.....1032
Cunningham Jos H.1032
Daniels & Fisher...1016
Davis Bros.....1013
Deamud J B Co....1007
DetroitFloPotMfy..1036
Dietsch A Co.....VII
Diller Caskey & Co.1038
Dillon J L.....1024
Dingee&ConardCo.1026
Donohoe W H.....1016
Dorner F & Sons Co. .....I 1006
Dreer H A.....VII 1026
Dreyer R.....III
Dumont & Co.....1008
Dunford J W..... 1017
Eberman C W1015 1029
EdwardsFold'gBox.1036
Elliott Wm H.....1013
Emmans Geo M....1026
Eyers H G.....1017
Fellouris A J 1015
Fennell L A.....1026
Fischer R.....1024
Florists'HailAss'n..1038
Flower Growers Co.1011
Foley Mfg Co.....1035
Ford Bros.....1015
For Sale and Rent..1003
Froment H E .1004 1015
Garland Geo M.....VII
Garnsey M V.....VII
Giblin & Co.....VIII
Globe Eng Co.....1028
Gude A & Bro.....1016
Gullett W H &Sons1026
Gundestrup K & Co .VI
Gurney Heater Co.VIII
Guttman Alex J1015 1029
Guttman & Weber.1014
Haines John E 1024 1026
Hansen M A 1016
Hartman Hjalmar..1019
Hauswirth P J.....1016
Heller & Co.....1021
Henshaw A M.1006 1015
Herbert D & Son.. 1032
Herr Albert M.....1032
Herrmann A.....1038
Hess & Swoboda...1016
Hews A H & Co....1036
Hilfinger Bros.....1036
Hill The E G Co.... I
Hilltop Grhs.....1026
Hippard E.....1046
Hitchings & Co... VIII
Holm &Olson.....1016
Holton& Hunkel Co1013
Hooker H M Co....1046
Hort Advertiser 1032
Hort Trade Journal.1024
Hubbs Henry L.....1008
Hunt E H.....1011
Ideal Concrete Mch Co VIII
Igoe Bros.....VII
Ionia Pottery Co ...1036
Isbell S M & Co.....VI
Jablonsky A.....1024
Jackson&PerkinsCo1023
Janesville Floral Co1024
Jensen & Dekema..1024
Johnston HeatingCo1037
Journal Des Roses..1032
Kaempfer Fred....1046
Kasting W F..... I
Keller Geo & Son..1036
Keller J B & Sons..1017
Keller Pottery Co..1036
Kellogg Geo M.....1016
Kennicott Bros Co.1011
Kervan Co The.....1015
Kessler P.....1015
KingConstructionCo 3rd Special Cover
Klehm's Nursery ..1023
Kramer F H.....1025
Kramer I N & Son .1036
Krick Wm C.....1035
Kroeschell Bros Co1037
Kuehn C A.....1013
Kuhl Geo A..... 1017
Lager & Hurrell....1015
Lake Wm B.....1045
Lange A.....1016
Langjahr A H.....1015
Lecakes N & Co....1015
Leedle Floral Co...1023
Livingston Seed Co. 1016 1036
Lord & Burnham Co. 4th Special Cover
Matthews. Florist..1017
McCullough's J M Sons Co.....1013
McKellar Chas W..1010
McKissick W E....1013
May H B & Sons....VI
Mayberry & Hoover1016
MetropolitanMatCo VIII
Mich Cut Flower Ex108
Miller Theo.....1017
Mills the Florist....1016
Moninger J C Co.... 3rd Special Cover
Moon The Wm H Co1023
Moore Hentz&Nash1015
Morse C C & Co....1018
Morehead Mfg Co..1038
Mosbaek L.....1026
Murdoch J B & Co .1013
Murray Samuel.....1016
Myers & Co.....VIII
Natl FloBd ofTrade1030
N Y Cut Flower Ex 1015
NicotineMfg Co....1046
Nichoff Paul..... 1031
Niessen Leo Co 1013
Niuffer C M.....1023
Northern Mich Evg Nursery.....1008
Olbertz J.....1028
Pacific Seed Co.....VI
Paducah Pottery ...1036
Palethorpe P R Co.1036
Palmer W J & Son.1016
Park Floral Co.....1016
Pennock Meehan Co1012
PerennialGardensCo 1023
Perfection Chem Co1046
Peterson's Nursery.1023
Peterson J A..... I
Peeters A J Seed Co1019
Pierson F R Co... I 1031
Pierson U Bar Co...VII
PittsburgCut Flo Co1008
Pittsburg Florist Ex1013
Poehlmann Bros Co .....II 1011
Pollworth C C Co 1016 1020
Pulv'riz'dMan'reCoVIII
Quaker City Machine Works.....1046
Randall A L Co....4017
Rawson W W & Co.VI
Raynor J I.....1015
Ready reference....1039
Regan Print House.1046
Reinberg Peter. 2nd Special Cover
Reynolds G F.....1037
Rhodes MfgCo.....1046
Rice Bros.....1008
Rice James H Co. oVII
Robinson H M & Co. 1003 1009
Roehrs Julius Co....1015
Sander & Son 1015
Satler LL Lumb'rCoVII
Scharff Bros.....1024
Scheiden & Schoos.1011
Scheepers John& Co VI
Scherer John P.....1015
Schillo Adam.....1038
Schrader E.....1030
Schultheis Anton...1024
Schulz Jacob.....1017
Seligman Jno....II 1015
SharpPartridge&Co1046
Shearer The Florist1025
Sheridan W F.....1015
ShippensburgFloCo1033
Siebert Co.....1035
Sinner Bros. ..1004 1011
Situations & Wants1001
Skidelsky S S.....1013
Smith Wm C.....1009
Smith Nathan &Son1025
Smith W & T Co.... I
Smits Jacs.....1023
Standard Pump & Engine Co..... .VIII
Staer J.....1021
Stearns Lumber CoVIII
Stenzel Glass Co...1046
Stern J & Co.....1035
Stokes Seed Store..1021
Stoothoff H A & Co1038
Storrs &Harrison Co1023
Styer J J.....1021
Syracuse Pottery Co1036
Taylor F G Seed Co. VI
Teilmann Gunnar..1026
Thompson J D Carnation Co..... I
Texas Seed& FloCo1021
Thorburn J M & Co. VI
Tipton Ghrs.....1033
Totty Chas H .1003 1015
Traendley& Schenck .....IV 1015
VanHoutte PereSons 1032
Vaughan & Sperry..1011
Vaughan's Seed Store VI 1009 1021 1030 1032
Vick's Sons Jas.....1019
Vincent R Jr & Son.1028
Virgin U J.....1016
Walker F &Co.....1033
Wanzer E F.....1024
Wapler Nicholas...1037
Ware Thos S.....1023
Weber F C.....1016
Weber H & Sons...1028
Weeber & Don.....VI
Weiland & Risch...1011
Welch Bros.....1013
Whilldin Pot Co....1036
Wietor Bros...1005 1010
Wild Gilbert H.....1023
Wilson Andrew 1037
Wilson Robt G.....1016
WintersonE F Co....1008
WittboldGeo Co1011033
Wood Bros.....1024
Woods H..... V
Young A L & Co...1015
Young John.....1007
Young Thos.....1015
Zech & Mann.....1011

HERE IS AN HONEST PROPOSITION

We have sufficient confidence in the Morehead Trap that we will send one on a 30 day's trial.

If it does not demonstrate in that time that it improves your heating system, that it saves money for you by decreasing fuel bills, and is the best return trap on the market, it will cost you nothing.

Write for Our Florists' Catalogue.

MOREHEAD MFG. CO.

1047 Grand River Ave.

DETROIT, - MICH.

—THE—

Florists' Hail Association

Insures over 23,000,000 square feet of glass. for particulars address

JOHN G. ESLER, Sec'y, SADDLE RIVER, N. J.

A. HERRMANN,

Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florists' Supplies.

SEND FOR PRICES.

404-412 East 34th St., NEW YORK.

Please mention the American Florist when writing.

HASCO LIQUID NICOTINE

FOR SPRAYING AND VAPORIZING.

15% Stronger Than Any Made.

Pts., $1.35 Half Gal., $5.25. Gal., $10.00

THE H. A. STOOTHOFF CO., 116 West St., NEW YORK.

Use our patent Iron Bench Fittings and Roof Supports.

THE JENNINGS IMPROVED IRON GUTTER.

IMPROVED VAPORIZING PANS

For Tobacco Extracts, etc. Send for Circulars.

VENTILATING APPARATUS.

DILLER, CASKEY & CO. SUCCESSORS TO JENNINGS BROTHERS,

S. W. Cor. Sixth and Berk Sts., PHILADELPHIA.

LUMBER for Greenhouse Benches, Ship Lap, Drop Siding, Sheathing, Flooring, White Cedar Posts, Etc.

We are in special position to furnish "PECKY CYPRESS" everything in PINE and HEMLOCK BUILDING LUMBER. WRITE FOR PRICES.

Adam Schillo Lumber Co. Cor. Weed and Hawthorn St., CHICAGO. Tel. North 1626 and 1627.

Wired Toothpicks

10,000. $1.50; 50,000, $6.25. Manufactured by

W. J. COWEE, BERLIN, N. Y.

Sample free. For sale by dealers.

Ready Reference Advertising.

ADVERTISEMENTS IN THIS DEPARTMENT 10 CENTS PER LINE, CASH WITH ORDER. COPY MUST REACH US MONDAY OF THE WEEK IN WHICH IT IS TO APPEAR

AGERATUMS.

Ageratum, Gurney and Pauline, R. C., 60c per 100, prepaid. Shippensburg Floral Co., Shippensburg, Pa.

Ageratums, leading vars., R. C., 60c. Byer Bros., Chambersburg, Pa.

Ageratums. Nathan Smith & Sons, Adrian, Mich.

ALTHEAS.

Althea Edward Bellamy, best double white, 2 to 3 feet, to close out, $5 per 100; $40 per 1,000. The E. Y. Teas Co., Centerville, Ind.

AMPELOPSIS.

Ampelopsis Veitchii, 2-yr., field-grown, $6 per 100; $55 per 1,000. Dingee & Conard Co., West Grove, Pa.

ARAUCARIAS.

Araucaria excelsa, 5½ to 6-in., 18 to 23 ins., 5 to 6 trs., 75c; 6-in., 23 to 25 ins., 5 to 7 trs., $1; 6 to 7-in., 25 to 30 ins., 5 to 7 trs., $1.25; 7-in. specimens, $1.50 to $2. Compacta Robusta, 6-in., 3 trs., 12 to 14 and 16 to 18 ins., $1 and $1.25; 6 to 7-in., 4 to 5 trs., 18 to 20 and 20 to 25 ins., $1.50, $1.75; 7-in. specimens, 6 to 7 trs., 25 to 30 ins., $2 to $2.50. Excelsa glauca, 6-in., 3 trs., 14 to 16 and 18 to 20 ins., $1 to $1.25; 6 to 7-in., 4 to 5 trs., 20 to 25 and 25 to 30 ins., $1.50, $1.75; 7-in. specimens, 5 trs., 30 to 35 ins., $2 and $2.50. G. Aschmann, 1012 Ontario St., Philadelphia.

Araucarias, excelsa, 4-in., 5 to 6 ins. high, 2 tiers, 40c each; 6-in., 12 to 14 ins., 3 trs., 75c each; 6-in., 16 to 18 ins., 3 to 4 trs., $1 each; 6-in., 18 to 20 ins., 4 trs., $1.25 each; 7-in., 20 to 22 ins, $1.50 each. Excelsa glauca, 6-in., 13 to 15 ins., 3 trs., $1.25 each; 7-in., 22 to 24 ins., 4 to 5 trs., $2 each. Robusta compacta, 6-in., 10 ins., 2 to 3 trs., $1.25 each; 6-in., 12 ins., 3 trs., $1.50 each. H. A. Dreer, 714 Chestnut St., Philadelphia.

Araucarias, excelsa, 6-in., 5 whorls, 20 to 22 ins. high, $1.50 each. Glauca, 6-in., 3 to 4 whls., 14 to 15 ins., $1.25 each; 6-in., 4 whls., 18 to 20 ins., $1.50 each; 6-in., 4 to 5 whls., 22 to 24 ins., $2 each; 7-in., 4 to 5 whls., 28 to 30 ins., $3 each. Robusta compacta, 6-in., 2 to 3 whls., 12 to 14-ins., $1.50 each; 7-in., 5 whls., 28 to 30 ins., $3 each. Vaughan's Seed Store, Chicago and New York.

Araucaria Excelsa, 6-in., 3 to 4 tiers, $1 each; $12 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Araucaria excelsa. R. Dreyer, Woodside, L. I., N. Y.

Araucarias. L. Van Houtte Pere, Ghent, Belgium.

ASPARAGUS.

Asparagus plumosus, 2-in., $3 per 100; 3-in., $6. Sprengeri, 2-in., $3 per 100; 3-in., $6; 4-in., $1.25 per doz.; 5-in., $2. George Wittbold Co., 1657 Buckingham Pl., Chicago.

Asparagus plumosus nanus, 15,000 fine young plants from 2¼-in. pots, worth $3, to close out, $1.50 per 100; $15 per 1,000. The W. T. Buckley Co., Springfield, Ill.

Asparagus plumosus, 4-in., Bushy, 10c to 12c. Sprengeri, 4-in., 10c. G. Aschmann, 1012 Ontario St., Philadelphia.

Asparagus plumosus and Sprengeri, 2, 2½, 3 and 4-in., $2, $2.50, $5, $8 per 100. Ludvig Mosbaek, Onarga, Ill.

Asparagus plumosus and Sprengeri, 6-in., 20c each, 3-in., 5c. Shearer, the Florist, Winchester, Ky.

Asparagus plumosus, 2¼-in., $3; 3-in., $5. Sprengeri, 3-in., $4. W. H. Gullett & Sons, Lincoln, Ill.

Asparagus plumosus, 3-in., $5 per 100. Sprengeri, 3½-in., $6 per 100. Scharff Bros., Van Wert, O.

Asparagus plumosus, 3-in., $5 per 100. Sprengeri, 2½-in., $2.50 per 100. E. T. Wanzer, Wheaton, Ill.

Asparagus Sprengeri, 2½-in., $3 per 100; $25 per 1,000. J. W. Dunford, Clayton, Mo.

Asparagus plumosus, 2-in., $2 per 100. Jos. H. Cunningham, Delaware, Ohio.

Asparagus plumosus, 3½-in., $6 per 100. Hill Top Greenhouses, Utica, N. Y.

Asparagus Commorensis, 2-in., $4 per 100; $35 per 1,000. J. F. Wilcox, Council Bluffs, Iowa.

Asparagus Commorensis, 2-in., $4 per 100; $35 per 1,000. J. F. Wilcox, Council Bluffs, Iowa.

Asparagus Sprengeri, 3½-in., $5 per 100; plumosus, 3½-in., $6 per 100. Poehlmann Bros. Co., Morton Grove, Ill.

Asparagus Sprengeri, 2-in., $2.50 per 100; plumosus, 2-in., $3 per 100; 3-in., $5 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus Sprengeri and plumosus, 2½-in., $4 per 100. Dingee & Conard Co., West Grove, Pa.

AUCUBAS.

Aucuba Japonica, 10-in., 3 ft., $1.50 each. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Aucuba Japonica, Var., 2 ft. high, $5 per doz. Vaughan's Seed Store, Chicago and New York.

AZALEAS.

Azalea indica, early and late vars., Simon Mardner, Empress of India, Niobe, Prof. Walters, Mme. Van der Cruyssen, Helen Theilman, 10 to 12-in. crowns, $35 per 100; 12 to 14-in., $45 per 100; 14 to 16-in., $55 per 100; 16 to 18-in., $90 per 100. Mollis, bushy well budded seedling, 12 to 15 ins. high, $25 per 100; 15 to 18 ins. high, $35 per 100. Storrs & Harrison Co., Painesville, O.

Azaleas, Simon Mardner, dbl. red and Deutsche Perle, dbl. white, Vervæneana, dbl. var., 12 to 14 ins. diameter, $1.25 each; $12 per doz.; 14 to 16 ins., $1.50 each; $15 per doz.; 16 to 18 ins., $1.75 each; $20 per doz.; 18 to 20 ins., $2.50 each; 20 to 22 ins., $3 each. Vaughan's Seed Store, Chicago and New York.

Azalea indica, leading varieties, 35c, 40c, 50c, 60c, 75c, $1, $1.25 to $1.50 each. G. Aschmann, 1012 Ontario St., Philadelphia.

Azaleas. Cottage Gardens Co., Queens, L. I., N. Y.

Azaleas. L. Van Houtte Pere, Ghent, Belgium.

Azaleas. Jacs Smits, Ltd., Naarden, Holland.

BAY TREES.

Bay trees, fine stock. R. Dreyer, Woodside, L. I., N. Y.

Bay Trees. L. Van Houtte Pere, Ghent, Belgium.

BEGONIAS.

Begonia Gloire de Lorraine, very bushy, plants in bloom, 5-in. pans, $9 per doz.; 6-in., $12 per doz.; 7-in., $18 per doz. Vaughan's Seed Store, Chicago and New York.

Begonias Gloire de Lorraine, 6-in., 50c; 3-in., 20c. Begonia flambeau, 4-in. pots, 20c. B. Erfordii, 4-in., 15c. G. Aschmann, 1012 Ontario St., Philadelphia.

Rex begonias, asst., R. C., $1.25 per 100 prepaid. Shippensburg Floral Co., Shippensburg, Pa.

Begonia Gloire de Lorraine, 4-in., $5 per doz.; 3-in., $3 per doz. A. Jablonsky, Wellston, Mo.

Begonia Rex, 2 and 2½-in., $5 per 100. Geo. M. Emmans, Newton, N. J.

Begonia, Gloire de Lorraine, J. A. Peterson, Westwood, Cincinnati, O.

Begonias, mixed, 5-in., 15c each. Shearer the Florist, Winchester, Ky.

Begonias, R. C., $1.50 per 100. S. D. Brant, Clay Center, Kans.

Rex begonias, 3-in., 8c. Byer Bros., Chambersburg, Pa.

Begonias, Rex, 4-in., $15. Geo. A. Kuhl, Pekin, Ill.

Begonias. Thos. S. Ware, Ltd., Feltham, England.

Begonias. L. Van Houtte Pere, Ghent, Belgium.

BOXWOOD.

Boxwoods, pyramids in tubs, 3 ft., $4 each; 4 ft., $5 each; bush form, 4 ft., $5 each; 1 ft., 35c each, $4.20 per doz.; 1½ ft., 50c each. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Boxwood, 12 to 20 ins., 75c per pair; 24 ins., $1 per pair. Pyramids, 3 ft., $2.50 to $3 per pair; 4 ft., $3 to $4; 4 ft. 6 ins., $5; 5 ft., $7. A. Schultheis, College Point, N. Y.

Boxwood, pyramid plants, 30c to $7.50 each. Robt. Craig Co., Market and 49th Sts., Philadelphia.

BULBS, ROOTS, TUBERS.

Bulbs, Dutch hyacinths, about $2 per 100; La Grandesse, L'Innocence, Baron Von Thuyll, Gertrude. Czar Peter, Mme. Van der Hoop, Chas. Dickens, Grand Maitre. Single hyacinths, separate colors, $2.75 per 100; White and blush rose. Double hyacinths, sep. colors, $2.75 per 100; rose, pure white, white and blush. Narcissus, Incomparable, Orange, Phoenix, Empress, Emperor, Grand Primo, Soleil d'Or, Ard Righ. Tulips, from 1,500 to 3,000 of each. Duchess of Parma, Mon. Tresor, Thos. Moore, Rose Gris de Lin, Vaughan's New Pink, Rosa Mundi, Crimson King, Gesneriana, Joost Van Vondel, Princess Marie Ann, Pottebakker, Belle Alliance, Prosperine, Dusart, gold striped and scarlet; Rembrandt, Gold Finch, single late mixed; double named; Murillo, Tournesol, red and yellow, Crown d'Or, Imperator Rubrorum, Rosine, Rose Blanche, dbl. early extra mixed, dbl. early fine mixed, dbl. extra late mixed. Parrot tulips, 3 kinds. Vaughan's Seed Store, Chicago and New York.

Bulbs, L. Longiflorum, 6 to 8 ins., $3 per 100; $27 per 1,000; 7 to 9 ins., $5 per 100; $45 per 1,000; Multiflorum, 6 to 8 ins., $3 per 100; $28 per 1,000; 7 to 9 ins., $5.50 per 100; $50 per 1,000. Lily of the valley pips. J. M. Thorburn & Co., 33 Barclay St., New York.

Sparaxis, $3.50 per 1,000. Ixias, mix., $2.50 per 1,000. Oxalis (Bermuda buttercup) $6 per 1,000. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Bulbs, Narcissus Empress and Henry Irving, Candidum lilies. E. F. Winterson Co., 45 Wabash Ave., Chicago.

Bulbs, gladiolus, mixed, 60c per 100; $5 per 1,000. Geo. M. Emmans, Newton, N. J.

Bulbs of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Bulbs of all kinds, valley. John Scheepers & Co., New York.

Cannas, 40 leading vars., $10 per 1,000 and upwards. Dingee & Conard Co., West Grove, Pa.

150,000 cannas, 35 leading varieties. Ludvig Mosbaek, Onarga, Ill.

Cannas, 10 varieties, $3 per 100. Jos. H. Cunningham, Delaware, O.

If you do not find what you need in our Ready Reference Department, write us about it.

Cannas. Nathan Smith & Son, Adrian, Mich.

Cannas. Thos. S. Ware, Ltd., Feltham, England.

Lily of the valley, pips for forcing, $1.50 per 100; $14 per 1,000. H. N. Bruns, 1409 W. Madison St., Chicago.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

CARNATIONS.

Carnations, rooted cuttings, Red Chief, Bonnie Maid, Aristocrat, Winsor, Pocahontas, $12 per 100; $100 per 1000. White Perfection, $6 per 100; $50 per 1000. Rose Pink Enchantress, $7 per 100; $60 per 1000. Victory, Robt. Craig, $6 per 100; $50 per 1000. Pink Patten, Candace, Glendale, $5 per 100; $40 per 1000. Lady Bountiful, Enchantress, $3 per 100; $25 per 1000. F. Dorner & Sons Co., La Fayette, Ind.

Carnations, Beacon, cuttings, $12 per 100; $100 per 1000. Rose Pink Enchantress, $7 per 100; $60 per 1000. Red Chief, Winsor, Bonnie Maid, $12 per 100; $100 per 1000. Aristocrat, $12 per 100; $100 per 1000. White Perfection, Candace, Melba, Victory, Robt. Craig, $6 per 100; $50 per 1000. Vaughan's Seed Store, Chicago and New York.

Carnations, Red Riding Hood, cuttings, $12 per 100; $100 per 1000. Aristocrat, $12 per 100; $100 per 1000. White Perfection, Daybreak Lawson, Rose Pink Enchantress, Enchantress, White Lawson, Lady Bountiful, Cardinal, Variegated Lawson, Jessica and others ready Jan. 1. Chicago Carnation Co., Joliet, Ill.

Carnations, rooted cuttings, Victory, $6 per 100; $50 per 1,000. Enchantress, $2 per 100; $18 per 1,000. W. Lawson, L. Bountiful, $3 per 100; $25 per 1,000. B. Market, P. Lawson, $1.50 per 100; $12.50 per 1,000. Nelson, $2 per 100; $15 per 1,000. E. T. Wanzer, Wheaton, Ill.

Carnations, rooted cuttings. Red Chief, Bonnie Maid, Aristocrat, $12 per 100; $100 per 1,000. Rose Pink Enchantres, $7 per 100; $60 per 1,000; White Perfection, $6 per 100; $50 per 1,000. F. Dorner & Sons Co., La Fayette, Ind.

Carnations, rooted cuttings, Enchantress, Bountiful, $2.50 per 100. Wolcott, Lawson, Queen, $1.50 per 100. Harlowarden, $2 per 100. Bassett & Washburn, 76 Wabash Ave., Chicago.

Carnations, rooted cuttings, now ready. Lawson, Boston Market, Enchantress, Sport, $1.25 per 100; $10 per 1000. Cash, please. W. F. Dunteman, Bensenville, Ill.

Carnations, Rose Pink Enchantress, rooted cuttings. $7 per 100; $60 per 1,000. S. S. Skidelsky, 824 No. 24th St., Philadelphia.

Carnations, Aristocrat, Rose Pink Enchantress, White Perfection and other leading varieties. E. G. Hill Co., Richmond, Ind.

Carnations, White Enchantress, rooted cuttings, $12 per 100; $100 per 1,000. E. Schrader, New Springville, New York.

Carnations, Imperial and Imperial Pink, A. J. Guttman, 43 W. 28th St., New York, or Jno. E. Haines, Bethlehem, Pa.

Carnations, Pink sport of Enchantress, rooted cuttings, $6 per 100; $50 per 1,000. Holton & Hunkel, Milwaukee, Wis.

Carnations, Winsor and Aristocrat, $12 per 100; $100 per 1,000. Wm. F. Kasting, 383 Ellicott St., Buffalo, N. Y.

Carnations, Pink Imperial, cuttings, $2.50 per doz.; $12 per 100; $100 per 1,000. John E. Haines, Bethlehem, Pa.

Carnation Victory, rooted cuttings, $6 per 100; $50 per 1,000. Guttman & Weber, 43 W. 28th St., New York.

Carnation Abundance, rooted cuttings, $5 per 100; $40 per 1,000. R. Fischer, Great Neck, L. I.

Carnations, Victory, $6 per 100; $50 per 1,000. Jensen & Dekema, 674 W. Foster Ave., Chicago.

Carnation Mabelle, new, $12 per 100; $100 per 1,000. H. Weber & Sons Co., Oakland, Md.

Carnation John E. Haines, rooted cuttings, $6 per 100; $50 per 1000. John E. Haines, Bethlehem, Pa.

Carnations, Norway, $3 per 100. J. W. Dunford, Clayton, Mo.

Carnation, Bertha Rath. R. Dreyer, Woodside, L. I., N. Y.

Carnations for fall delivery. Wood Bros., Fishkill, N. Y.

Carnations. J. D. Thompson Carnation Co., Joliet, Ill.

Carnations, leading vars. A. M. Herr, Lancaster, Pa.

CHRYSANTHEMUMS.

Chrysanthemums, stock plants, C. Touset, Nonin and Moneymaker. Monrovia, Pacific, Bonnaffon, white and yellow Eaton, Mrs. Weeks, V. Morel, J. K. Shaw, A. Byron, Galloway, B. Wells, Enguehard, Golden Age, Yanoma, Chadwick, $1 per doz.; $8 per 100. Gunnar Teilmann, Marion, Ind.

Chrysanthemums, stock plants of the following varieties at $4 per 100: Kalb, Glory of Pacific, Polly Rose, Pink Ivory, White Ivory, Wm. Duckham, Maud Dean, Marie Liger, Dr. Enguehard, A. J. Balfour, Alice Byron, R. Halliday. W. H. & C. B. Newman, Akron, N. Y.

Chrysanthemums, stock plants, Mrs. Duckham, Col. Appleton, Cheltoni, F. A. Cobbold, F. S. Valis, Wm. Duckham, Nellie Pockett, Merza, Henry Robinson, etc., $10 per 100. C. Peterson, 307 Lincoln St., Flushing, N. Y.

Chrysanthemums, stock plants, Willowbrook, Kalb, Estelle, Wanamaker, Ivory, Robinson, Appleton, Bonnaffon, Halliday, Coombes, McNeice, Enguehard, 60c per doz.; $4 per 100. E. T. Wanzer, Wheaton, Ill.

Chrysanthemums, stock plants, Rosiere, $1.50 per doz. Emereter, Merstham, C. Touset, $1 per doz. Monrovia, Omega, M. Bergmann, Willowbrook, 75c per doz. Eli Cross, Grand Rapids, Mich.

Chrysanthemums, stock plants, Robinson, Weeks, T. Eaton, Col. D. Appleton, Goldmine, Dr. Enguehard, Wm. Duckham, Touset, Maud Dean, Casco, 75c per doz. Tipton Greenhouses, Tipton, Iowa.

Chrysanthemums, stock plants, Appleton, Wm. Duckham, Glory of Pacific, Chito, Intensity, Carrington, 75c per doz.; $5 per 100. F. Walker & Co., New Albany, Ind.

Chrysanthemums, old stools, Polly Rose, Appleton, Duckham in exchange for Begonia Gloire de Lorraine, or heap offer. Riverbank Greenhouses, Geneva, Ill.

Chrysanthemums, stock plants, Adelia, 60c per doz.; $3.50 per 100. White Bonnaffon, 70c per doz.; $4 per 100. Mrs. E. M. Bullock, Elkhart, Ind.

Chrysanthemums, stock plants, Robinson, white; Appleton, Halliday, Bonnaffon, yellow, $3.50 per 100. Theo. Fehrman, Niles Center, Ill.

Stock plants of the Ceramic chrysanthemum, new cream color, now ready, 20c each; $2 per doz. Chas. Peterson, East Liverpool, Ohio.

Chrysanthemums, best sorts, Golden Dome, White Duckham, Pres. Loubet, Mlle. Chabanne. E. G. Hill Co., Richmond, Ind.

Chrysanthemums, Smith's Revised Manual, 40c. Nathan Smith & Son, Adrian, Mich.

Chrysanthemums, all varieties. Nathan Smith & Son, Adrian, Mich.

Chrysanthemums. Wood Bros., Fishkill, N. Y.

CIBOTIUMS.

Cibotium Schiedei, 5-in., $9 per doz.; 6-in., $12 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

CINERARIAS.

Cinerarias, 3-in., $3 per 100. Hill Top Greenhouses, Utica, N. Y.

CLEMATIS.

Clematis Pan., 2-yr., field-grown, $7 per 100; $65 per 1,000. Dingee & Conard Co., West Grove, Pa.

COBOEA.

Cobœa Scandens, 4-in., $8 per 100. Godfrey Aschmann, 1012 Ontario St., Philadelphia, Pa.

COLEUS.

Coleus, asst. R. C., 60c per 100, prepaid. Shippensburg Floral Co., Shippensburg, Pa.

CROTONS.

Crotons, 4-in. pots, $25 per 100; 5-in., $6 per doz., $50 per 100; 6-in., 75c and $1 each; made-up pans, $2, $3, $5 and $7.50 each. Robt. Craig Co., Market and 49th Sts., Philadelphia.

CYCLAMENS.

Cyclamens, 5-in., $15 per 100; 4-in., $10 per 100; 3-in., $5 per 100, 300 for $10. Hill Top Greenhouses, Utica, N. Y.

Cyclamen plants, grand strain, 5-in., showing bud, $35 per 100. Riverbank Greenhouses, Geneva, Ill.

CYPERUS.

Cyperus gracilis, 2½-in. pots, $3.50 per 100. Dingee & Conard Co., West Grove, Pa.

DAHLIAS.

Dahlias, 25 leading vars., named, Admiral Dewey, Constancy, Gloriosa, Orange King, Prof. Baldwin, Maid of Kent, C. W. Bruton, Uncertainty, field clumps, $5 per 100; $45 per 1,000. Catherine Duer, $8 per 100. Dingee & Conard Co., West Grove, Pa.

Dahlias, improved Countess of Lonsdale, cactus type, 6 for $1; $1.75 per doz.; $12 per 100. Arthur T. Boddington, 342 W. 14th St., New York.

Dahlias. Thos. S. Ware, Ltd., Feltham, England.

DAISIES.

Paris daisies, R. C., giant white, yellow, $1; Alexandria, $1.25. Byer Bros., Chambersburg, Pa.

DEUTZIAS.

Deutzia gracilis, 6-in., $1.50 per doz.; $12 per 100. Lemoine, 6-in., $2.50 per doz.; $20 per 100. Vaughan's Seed Store, Chicago and New York.

DRACAENAS.

Dracæna fragrans, 5-in., 50c each, $5 per doz.; 7-in., $1 each; $12 per doz.; D. indivisa, 2-in., $2.50 per 100; 6-in., 20 to 26 ins., 50c each; $5 per doz.; 7-in., 30 to 34 ins., 75c each; $9 per doz.; D. terminalis, 2-in., $1.25 per doz.; 3-in., $2 per doz.; 6-in., $9 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Dracæna terminalis, 5-in. pots, 50c each; $5 per doz.; 6-in., 90c each; $9 per doz.; 7-in., 3 plts. in pan, $1.50 each; $18 per doz. Vaughan's Seed Store, Chicago and New York.

Dracæna Bruanti, 30-in., 6-in. pots, 50c each; $5 per doz. G. Aschmann, 1012 Ontario St., Philadelphia.

Dracæna indivisa, 4 and 5 ins., $10 and $25 per 100. Geo. M. Emmans, Newton, N. J.

Dracænas. Robt. Craig Co., Market and 49th Sts., Philadelphia.

FERNS.

Ferns, Boston, 5-in., $3; 6-in., strong, $6; 7-in., $9. Large specimens, $1.50, $2, $3 each. Assorted ferns for dishes, $3 per 100; $25 per 1,000. Pteris Wimsetti, 3-in., 75c per doz.; $6 per 100. Pteris argyrea, 3-in., $1 per doz.; $8 per 100. Aspidium Ten., 3-in., $1 per doz.; $8 per 100. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Ferns, Adiantum Farleyense, 4-in., $5 per doz.; $40 per 100; 5-in., $9 per doz.; $70 per 100; 6-in., $12 per doz. Scottii, 6-in., 50c each. Whitmani, 8-in. pans, $2 each. Boston, 6-in., 50c each. Mixed ferns for dishes, 2¼-in., $3.50 per 100; $30 per 1,000; 3-in., $6 per 100; $50 per 1,000. H. A. Dreer, 714 Chestnut St., Philadelphia.

Ferns, Boston, for 4 and 5-in., $10 and $15 per 100. Boston and Scottii, 5 to 10-in., 50c to $1.50 each. J. W. Dunford, Clayton, Mo.

If you do not find what you need in our Ready Reference Department, write us about it.

Ferns, Barrowsii, 7-in., 75c to $1 each; 6-in., 50c; 5½-in., 40c.; 5-in., 35c; 4-in., 25c. Scottii, 8-in., $1.25; 7-in., 75c.; 6in., 50c.; 5½-in., 40c; 4-in., 20c. Elegantissima, 5-in., 30c. Boston, 7-in., 75c; 6-in., 50c.; $5 per doz.; 5-in., 30c to 35c; 4-in., 20c. Ferns for dishes, 2½-in., $5 per 1,000. G. Aschmann, 1012 Ontario St., Philadelphia.

Ferns, bushy plants, Pteris tremula, 4-in., $1.25 per doz.; $10 per 100; 5-in., $2 per doz.; $15 per 100; Wilsoni, 5-in., $3 per doz.; $20 per 100. Assorted Pteris ferns, 2¼-in., $3 per 100; $25 per 1,000. Large stock of Boston, Elegantissima, Whitmani and Scottii, all sizes. Vaughan's Seed Store, Chicago and New York.

Ferns, Pteris magnifica, Pteris serrulata cristata, Pteris alb. lineata, Pteris Wimsetti, Pteris Ouvrardi, $3 per 100; $25 per 1,000. Boston, Scottii and Piersoni, 3-in., $8; 4-in., $15; 5-in., $25; 6-in., $40 per 100. J. F. Wilcox, Council Bluffs, Iowa.

Ferns, N. Piersoni, Elegantissima, 2¼-in. pots, $12 per 100; specimen plants, 6-in., $1 each; 8-in., $2; 10-in., $3; 12-in., $5; 14-in., $7.50; 16-in., $10. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns, Boston, Piersoni, Anna Foster, 2¼, 3 and 4-in., $3, $6 and $12 per 100; 6-in., $4; 8-in., $10; 10-in., $20 per doz. Elegantissima and Scottii, runners, $40 per 1,000. Boston, $20 per 1,000. Ludvig Mosbaek, Onarga, Ill.

Ferns, 50 10-in. Boston, $2.50 each; $25 per doz.; fine lot of Elegantissima, Barrowsii, Piersoni, Scottii, Whitmani and Boston, 4, 5 and 6-in. pots. Geo. A. Kuhl, Pekin, Ill.

Ferns, Scottii, 35c, 50c, 75c and $1 each. Elegantissima, 75c, $1 and $2 each. Whitmani, 75c and $1 each. Robt. Craig Co., Market and 49th Sts., Philadelphia.

Ferns, Boston, 4-in., 10c; 3-in., 5c; Tarrytown, 3-in., 10c; 4-in., 15c; 6-in., 25c; runners, $1.50 per 100. Byer Bros., Chambersburg, Pa.

Ferns, Elegantissima, 6-in., 50c each; runners, 5c each. Piersoni, from bench, 50c; runners, 3c. Shearer the Florist, Winchester, Ky.

Ferns, N. Whitmani, 2¼-in., $25 per 100. Boston, 2¼-in., $3 per 100. H. H. Barrows & Sons, Whitman, Mass.

Ferns, N. Whitmani, young plants from bench, $6 per 100. Davis Bros., Morrison, Ill.

Ferns, Boston, 8-in pans, $1.50 each; $15 per doz.; 6-in., 50c. A. Jablonsky, Wellston, Mo.

Ferns, orders booked now for N. Amerpohli, Janesville Floral Co., Janesville, Wis.

Ferns, Boston, 5-in., 30c each. Piersoni, 6-in., 50c each. Geo. M. Emmans, Newton, N. J.

Ferns, N. Elegantissima, 2¼-in., $5 per 100. Storrs & Harrison Co., Painesville, O.

Ferns, Scottii, 4-in., 10c; 5-in., 15c; 6-in., 25c. W. W. Coles, Kokomo, Ind.

Ferns, A. hybridum, 2¼-in., $5 per 100. A. Ley & Bro., Langdon, D. C.

Ferns, Boston and Scottii. J. A. Peterson, Westwood, Cincinnati, O.

Ferns, all leading varieties, R. Dreyer, Woodside, L. I., N. Y.

FICUS.

Ficus pandurata, 6-in., 2½ to 3 ft., $3 each; 3½ to 4 ft. high, $4 each; 4½ to 5 ft. high, in tubs, $7.50 each; branched, $4, $5 and $7.50 each. Robt. Craig Co., Market and 49th Sts., Philadelphia.

Ficus, 6-in., 25 to 30 ins., 40c to 50c each. G. Aschmann, 1012 Ontario St., Philadelphia.

FUCHSIAS.

Fuchsias, 5 kinds, $1.25, R. C. Byer Bros., Chambersburg, Pa.

GERANIUMS.

Geraniums, leading vars. A. M. Herr, Lancaster, Pa.

Geraniums, the following, "Six Kings;" S. A. Nutt, deep scarlet; A. H. Trego, scarlet; Peter Henderson, bright scarlet; Beaute Poitevine, salmon; Jean Viaud, pink; Mme. Buchner, white; all semi-double, strong top cuttings, well rooted, $1.50 per 100; $15 per 1,000. Cash. The W. T. Buckley Co., Springfield, Ill.

Geraniums, Nutt, J. Doyle, Perkins, Poitevine, Dbl. Gen. Grant, La Favorite, 2-in., $2; R. C., $1 per 100. Geo. M. Emmans, Newton, N. J.

Geraniums, standard sorts. R. Vincent, Jr. & Son, White Marsh, Md.

Geraniums, 2-in., 2c. Byer Bros., Chambersburg, Pa.

GLOXINIAS.

Gloxinias. L. Van Houtte Pere, Ghent, Belgium.

GREENS.

Greens, California pepper boughs, 30 lbs. crates, $4 per case; 5 case lots, $3.75. Bouquet green wreathing, natural, 3½c per yard; dyed, 3c per yard. Wreaths: Holly, Delaware, $1.10 per doz; Southern, holly and evergreen mix.; evergreen plain; $1 per doz. Evergreen with immortelles, $1.10 per doz. Galax, green or bronze, 90c per doz. Galax with immortelles, $1; magnolia wreaths, $1 per doz. Magnolia with immortelles, $1.10 per doz. Holly, Delaware, $3.75 per crate; southern, $3.25 per crate. Mistletoe, 20c per lb. Needle pines, $1.50 per doz. Galax leaves, $1 per 1,000. Magnolia leaves, $6.50 per barrel. H. Woods Co., 127 So. Water St., Chicago.

Greens, dagger and fancy ferns, $1.25 per 1,000. Southern wild smilax, $7 per 50-lb. case; $4 per 25-lb. case. Bronze and Green galax, $1 per 1,000; $7.50 per case of 10,000. Laurel festooning, 5c and 6c per yd. Laurel wreaths, from $2 per doz. upwards. Princess pine, $7 per 100 lbs. Branch laurel, 50c per bunch. Henry M. Robinson & Co., 11 Province St., Boston.

Greens, Delaware Holly, per case 2x 2x4 ft., $3; Virginia, 2x2x4 ft., $2.75. Holly wreaths, 10c and 12c. Laurel roping, 3c per yd. H. L. Hubbs, 34th and Cumberland Sts., Philadelphia.

Greens, Delaware holly, single case, $4; 5 cases, $3.50 per case, prepaid; by express c. o. d., $3 per case. Holly wreaths, 14-in., by freight prepaid, $10 per 100, express c. o. d., $9 per 100. H. Austin, Felton, Del.

Greens, galax leaves, ferns and leucothoe sprays, holly. Princess pine, all kinds of evergreens. Galax leaves, $1 per 1,000. N. Lecakes & Co., 53 W. 28th St., New York.

Greens, holly, bouquet green, laurel, mistletoe, needle pines, wreathing, holly and evergreen wreaths, etc. Vaughan's Seed Store, Chicago and New York.

Greens, fancy ferns, $1.50 per 1,000. Green and bronze galax, $1.25 per 1,000. Boxwood, 20c per lb., 50 lb., $8.50. Michigan Cut Flower Exchange, Detroit, Mich.

Wreathing. We have the goods and can fill your orders prompt. Light, $3; medium, $4 per 100 yds. Cash or c. o. d. Joseph Bancroft & Son, Cedar Falls, Iowa.

Greens, cut palmetto and cycas palm leaves, galax, leucothoe, ferns, mosses and all decorating evergreens. The Kervan Co., 20 W. 27th St., New York.

Greens, holly, holly wreaths, green wreathing, galax leaves, wild smilax, moss wreaths. C. C. Pollworth Co., Milwaukee, Wis.

Greens, holly, bouquet green, mistletoe, evergreen wreathing, etc. E. F. Winterson Co., 45-49 Wabash Ave., Chicago.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 52 W. 28th St., New York.

Greens, evergreens, galax, ferns, decorative supplies, moss. John P. Scherer, 636 Garden St., Union Hill, N. J.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. A. J. Fellouris, 52 W. 28th St., New York.

Greens. mistletoe, boxwood and fancy sheet moss. Pittsburg Cut Flower Co., 222 Oliver Ave., Pittsburg, Pa.

Greens, evergreens, galax, ferns, decorative supplies. John P. Scherer, 636 Garden St., Union Hills, N. J.

Wreathing, light, $3; medium, $4 per 100 yds. Cash with order. Jos. Bancroft & Son, Cedar Falls, Iowa.

Greens, bouquet green and Christmas trees. Northern Mich. Evergreen Nursery, Clark St. Bridge, Chicago.

Greens, Beaven's fadeless sheet moss, $2.50 per bag. Southern wild smilax. E. A. Beaven, Evergreen, Ala.

Greens, Southern wild smilax. Caldwell The Woodsman Co., Evergreen, Ala.

HARDY PERENNIALS.

Iris Germanica, Mme. Chereau, Gracchus, Florentine, Socrates, Duchess de Nemours, Dr. Bernice and 20 others, $2.50 per 100; $22.50 per 1,000. Hemerocallis in 10 vars., $3.75 per 100; $30 per 1,000, Delphinium Belladonna, 1 yr., plants, $6.25 per 100; $57.50 per 1,000; 3 yr., clump, $8.75 per 100; $75 per 1,000. Chrysanthemum maximum King Edward, largest white Marguerite, strong from ground, $8.75 per 100. Lathyrus latifolius White Pearl, from ground, $12.50 per 100. Thos. S. Ware, Ltd., Feltham, England.

Dielytra spectabilis, strong clumps, $8 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Hardy, perennial herbaceous plants, 50,000 field and pot grown. Ludvig Mosbaek, Onarga, Ill.

HELIOTROPE.

Heliotrope, blue, 75c per 100 R. C. prepaid. Shippensburg Floral Co., Shippensburg, Pa.

Heliotrope, 3 kinds, R. C., $1. Byer Bros., Chambersburg, Pa.

Heliotrope. Nathan Smith & Son, Adrian, Mich.

HIBISCUS.

Hibiscus Syriacus Meehani. P. J. Berckmans Co., Inc., Augusta, Ga.

HOLLYHOCKS.

Hollyhocks, separate colors, $7.50. Perennial Gardens Co., Toledo, O.

HYDRANGEAS.

Hydrangea Otaksa, 6 and 7-in., 3 to 5 flowing stems, $5 per doz.; $40 per 100. Thos. Hogg, same size, 6 to 10 shoots, $5 per doz.; $40 per 100. Vaughan's Seed Store, Chicago and New York.

Hydrangeas, pot-grown, 6-in., 25c; 7 to 8-in., 50c. G. Aschmann, 1012 Ontario St., Philadelphia.

JERUSALEM CHERRIES.

Jerusalem cherries, bushy, with berries, 5-in., 40c each; $3 per doz.; 6-in., 50c each; $5 per doz. Vaughan's Seed Store, Chicago and New York.

Jerusalem cherries, 12-in., pans, 7 plants to pan, 75c each; 3½-in., $6 per 100. J. W. Dunford, Clayton, Mo.

Jerusalem cherries, 6 to 7-in., $3 to $6 per doz. G. Aschmann, 1012 Ontario St., Philadelphia.

Jerusalem cherries, 5-in., 25c; 6-in., 50c each. Geo. A. Kuhl, Pekin, Ill.

LANTANAS.

Weeping lantana, 2½-in., $3.50 per 100. Dingee & Conard Co., West Grove, Pa.

MANETTI STOCKS.

Manetti stocks, grafting size, 3-5 mm., $7 per 1000; $65 per 10,000; 1st size, 5-10 mm., $9 per 1,000; $80 per 10,000. Jackson & Perkins, Newark, N. Y.

Manetti stocks, French, $1.50 per 100; $12 per 1000; $50 per 5000; $80 per 10,000. English, $2 per 100; $15 per 1000; $60 per 5000; $100 per 10,000. Vaughan's Seed Store, Chicago and New York.

If you do not find what you need in our Ready Reference Department, write us about it.

MUSHROOM SPAWN.

Mushroom Spawn, Pure Culture, per 10 bricks, $1.50; 25 bricks, $3.50; 50 bricks, $6.50; 100 bricks, $12. W. C. Beckert, 103 Federal St., Allegheny, Pa.

Mushroom Spawn, pure culture Spawn, and importers of English mushroom Spawn. Knud Gundestrup & Co., 4273 Milwaukee Ave., Chicago.

Mushroom Spawn, English and pure culture. Weeber & Don, 114 Chambers St., New York.

Mushroom Spawn, frequent importations from England. J. J. Styer, Concordville, Pa.

NURSERY STOCK.

Nursery stock, large trees, oak, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, pot-grown shrubs, conifers and ornamental stock. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, American arbor vitæ, Tartarian honeysuckle, Barberry Thunbergii, Deutzia Pride of Rochester, Shade trees, fruit trees, shrubs. W. & T. Smith Co., Geneva, N. Y.

Nursery stock, Viburnum plicatum, hardy shrubs, vines and plants of all kinds. Dingee & Conard Co., West Grove, Pa.

Nursery stock, trees and shrubs. Price list on application. Peterson's Nursery, 503 W. Peterson Ave., Chicago.

Nursery stock, evergreen and deciduous flowering shrubs and vines. The Wm. H. Moon Co., Morrisville, Pa.

Calycanthus, sweet shrub, 1½ to 2 feet transplanted, $5 per 100. The E. Y. Teas Co., Centerville, Ind.

Nursery stock, Biota aurea, nana, conifers, oranges, etc. P. J. Berckmans Co. (Inc.), Augusta, Ga.

Nursery stock, deciduous trees and shrubs, evergreens. Cottage Gardens Co., Queens, L. I., N. Y.

Nursery stock, plants and shrubbery of all kinds. Dingee & Conard Co., West Grove, Pa.

Nursery stock, all kinds of hardy stock. Klehm's nurseries, Arlington Heights, Ill.

ORANGES.

Oranges, fine plants, $1.50, $2 each, depending on the number of ripe fruit, 25c per fruit. Vaughan's Seed Store, Chicago and New York.

Oranges, in fruit. Robt. Craig Co., Market and 49th Sts., Philadelphia.

ORCHIDS.

Orchids, Cattleya Trianæi, semi-established, Cattleya gigas, semi-established, and just arrived in fine shape Cattleya Schrœderi. Price per box of 40 plants on application, 8 to 10 bulbs to a plant. John De Buck, collector of orchids, P. O. box 78, College Point, L. I., N. Y.

Orchids, C. Dowiana, C. Gigas, C. Mossiæ, C. Percivaliana, C. speciosissima, C. Eldorado, C. superba, C. labiata, C. Leopoldi. Lager & Hurrell, Summit, N. J.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England; New York office, room 1, 235 Broadway.

Orchids, imported seedlings. Julius Roehrs Co., Rutherford, N. J.

Orchids, Cattleya Mossiæ, L. A. Fennell, Cynthiana, Ky.

PALMS.

Palms, Kentia Fors., made-up, 1 large and 3 small in pot, 45 to 48. 25 to 30 ins., $2, $2.50; 6-in., single, 36 to 45 ins., 5 to 6 leaves, $1.25 to $1.75; 6-in., 32 to 36 ins., 5 to 6 lvs., $1; 5½ to 6-in., 30 ins., 5 lvs., 75c; 4-in., made-up, 3 plts. in pot, 18, 20 to 25 ins., 25c, 30c, 35c. Cocos Wed., 15c. Areca Lutescens, 5-in., 24 ins., made-up, 3 plts., 35c; 4-in. pots, 20 to 24 ins., 3 plts., 25c. Areca Sapida, 25 ins., 50c each. G. Aschmann, 1012 Ontario St., Philadelphia.

Palms, Cocos, 2-in., $2 per doz.; C. Bonetti, specimens, $40 each. Kentia Bel., 3-in., $2 per doz.; Kentia Fors, 7-in., $2 each; $24 per doz.; 7-in., X, $2.50 each; 7-in., XX, $3 each. Phœnix Can., 2-in., $1 per doz.; 10-in., $2.50 and $3 each; large specimens, Phœnix Recli., 3½-in., $2 per doz.; 4-in., $3 per doz. Latania Bor., 3-in., $1.50 per doz.; 3½-in., $2; 4-in., $3; 5-in., $5; 7-in., $12. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Palms, Chamærops excelsa, 2-in. pots, strong, $3 per 100; 4-in. pots, strong, $15 per 100. Theodosia B. Shepherd Co., Ventura, Cal. W. H. Francis, Mgr.

Palms, Latania Bor., 4-in., $15 per 100. Kentia Bel., 5-in., $60 per 100. Storrs & Harrison Co., Painesville, O.

Palms of all kinds. R. Dreyer, Woodside, L. I., N. Y.

Palms. P. J. Berckmans Co. (Inc.), Augusta, Ga.

Palms. L. Van Houtte Pere, Ghent, Belgium.

PELARGONIUMS.

Pelargoniums, rooted cuttings, 15 named vars., $2.25 per 100 prepaid. S. D. Brant, Clay Center, Kans.

PANDANUS.

Pandanus Utilis, 3-in., per doz., $1.50; 4-in., per doz., $3; 5-in., per doz., $5. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Pandanus Veitchii. J. A. Peterson, Westwood, Cincinnati, O.

Pandanus Veitchii, 50c, 75c and $1 each. Robt. Craig Co., Market and 49th Sts., Philadelphia.

PANSIES.

Pansies, $3 per 1,000; 50c per 100. Jos. H. Cunningham, Delaware, O.

PEONIES.

Peonies, Prince Charles, Lord Salisbury, Duchess of Sutherland, Rosea maxima, Mme. Furtado, Philomile, Leonie, Mons. Boquil, Festiva, Hypatia, Mons. Rousselon, Mme. Moreau, 1 yr., $1.50 per doz.; $10 per 100; 2 yr., $2 per doz.; $15 per 100. Thos. S. Ware, Ltd., Feltham, England.

Peonies, choice kinds, Festiva Maxima, Felix Crousse, Queen Victoria, etc., at lowest rates. Fine mixed sorts, $5 per 100. The E. Y. Teas Co., Centerville, Ind.

Peonies, Queen Victoria, $9 per 100. Festiva Maxima, $30 per 100; Fragrans, $6 per 100. G. H. Wild, Sarcoxie, Mo.

Peonies a specialty. Peterson Nursery, 503 W. Peterson Ave., Chicago.

Peonies, all vars. Jacs Smits, Ltd., Naarden, Holland.

PEPPERS.

Celestial peppers, 5-in., $3 per doz.; $20 per 100; 6-in. pans, 3 plts. in pan, $5 per doz.; $35 per 100; 7-in. pans, 4 plts. in pan, $9 per doz. Vaughan's Seed Store, Chicago and New York.

Peppers, 5-in., 25c; 7-in., 50c; 8-in., $1 each. Geo. A. Kuhl, Pekin, Ill.

PETUNIAS.

Petunias, young stock. Nathan Smith & Son, Adrian, Mich.

Petunias, R. C., 10 kinds, $1. Byer Bros., Chambersburg, Pa.

POINSETTIAS.

Poinsettias, 6-in. pans, 3 plts. in pan, $1 each; $10 per doz.; 7-in., 4 plts., $1.25 each; $12 per doz.; 8-in., 5 plts. in pan, $1.75 each; $20 per doz.; 10-in., 6 plts. in pan, $2.50 each; $30 per doz. Vaughan's Seed Store, Chicago and New York.

Poinsettias. Robt. Craig Co., Market and 49th Sts., Philadelphia.

Poinsettias in pans and cut. J. A. Peterson, Westwood, Cincinnati, O.

PRIMULAS.

Primroses, Chinese and obconica, 4-in., $6 per 100; 3-in., $3 per 100. Hill Top Greenhouses, Utica, N. Y.

Primulas, Chinese, 4-in., $12.50. Obconica, 4-in., $12.50. Baby, 4-in., $12.50. Geo. A. Kuhl, Pekin, Ill.

Primroses, 4-in., $10 per 100; 5¼-in., $2 per doz. G. Aschmann, 1012 Ontario St., Philadelphia.

Primula obconica, 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

PRIVET.

Privet, California, the best. R. Dreyer, Woodside, L. I., N. Y.

RHODODENDRONS.

Rhododendrons, leading forcing vars., 18 to 20 ins. high, full of buds, $9 per doz.; 20 to 24 ins., $12 per doz. Storrs & Harrison Co., Painesville, O.

Rhododendrons, leading vars., 10 to 15 buds, $1.25 each; $12 per doz. Vaughan's Seed Store, Chicago and New York.

Rhododendrons, 50c and 75c each. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Rhododendrons. Jacs Smits, Ltd., Naarden, Holland.

Rhododendrons. Cottage Gardens Co., Queens, L. I., N. Y.

ROSES.

Roses, home grown, Baby Rambler, $2.50 per doz.; $20 per 100. Hermosa, $1.65 per doz.; $12.50 per 100. C. Soupert, $1.65 per doz., $12.50 per 100. Imported, extra heavy hybrid perpetuals, all vars., $1.50 per 10; $12.50 per 100. Baby Rambler, $2 per 10; $17.50 per 100; Crimson Rambler, $1.75 per 10; $15 per 100. Perennial Gardens Co., Toledo, O.

Roses, field-grown, own root, $50 per 1,000. Bessie Brown, Bride, Maid, Clio, C. Rambler, Jacq., Gruss an Teplitz, Jubilee, Kaiserin, M. Cochet, M. P. Wilder, P. Neyron, P. C. de Rohan, Pres. Carnot, U. Brunner. California Rose Co., Pomona, Cal.

Roses. We grow to order for March, April and May delivery, Bride, Bridesmaid, Perle, Chatenay, Ivory and Richmond rose plants, from 2½-in. pots, at $3 per 100; $25 per 1,000. First-class stock guaranteed. J. F. Ammann, Edwardsville, Ill.

Roses, rooted cuttings, Brides, Maids, Chatenay, Richmond, $1.50 per 100; $12.50 per 1000. Carnot, Kaiserin, Perles, $2.50 per 100; $20 per 1000. Am. Beauty, $3 per 100; $25 per 1000. Bassett & Washburn, 76 Wabash Ave., Chicago.

Roses, rooted cuttings, Bride, Maid, Golden Gate, Chatenay, $1.50 per 100; $12.50 per 1,000. Richmond, $2 per 100; $18 per 1,000. W. H. Gullett & Sons, Lincoln, Ill.

Roses, 2-yr., field-grown, Dorothy Perkins, $8 per 100. Crimson Rambler, $10 per 100. Hybrid perpetuals, $10 to $12 per 100. Jackson & Perkins, Newark, N. Y.

Rose, Queen Beatrice, finest forcing pink, to be disseminated spring of 1907. F. H. Kramer, 916 F St., N. W., Washington, D. C.

Roses, C. Soupert, Marie Pavie, C. Rambler, Dorothy Perkins. P. J. Berckmans Co. (Inc.), Augusta, Ga.

Roses, Aurora, 2½-in., own roots, $30 per 100; $250 per 1,000. Paul Niehoff, Lehighton, Pa.

Roses, 1,000 varieties, from 2½, 4 and 5-in. pots, own roots. Dingee & Conard Co., West Grove, Pa.

Roses, Crimson, Rambler, 4 to 7 ft., $10 per 100; No. 2's, $6 per 100. C. M. Niuffer, Springfield, O.

Roses, Baby Rambler, in bud and bloom, 4-in., 20c. Leedle Floral Co., Springfield, O.

Roses, Dorothy Perkins, strong field plants, $7 per 100. The E. Y. Teas Co., Centerville, Ind.

Roses, leading kinds. W. & T. Smith Co., Geneva, N. Y.

Roses, climbing plants. Jacs Smits, Ltd., Naarden, Holland.

Roses, from 3-in. pots. Wood Bros., Fishkill, N. Y.

If you do not find what you need in our Ready Reference Department, write us about it.

SALVIAS.

Salvia Bonfire, R. C., 75c per 100 prepaid. Shippensburg Floral Co., Shippensburg, Pa.

Salvia Bonfire and splendens; R. C., 90c. Byer Bros., Chambersburg, Pa.

SEEDS.

Seeds, ageratum, Imperial dwf. blue and white, tr. pkt., 10c; oz., 25c; Blue Perfection and Princess Pauline, tr. pkt., 10c; oz., 40c; Princess Victoria Louise, tr. pkt., 10c; oz., 50c; Little Blue Star, tr. pkt., 25c. Alyssum, sweet, lb., $1.25; tr. pkt., 5c; oz., 15c; Little Gem, tr. pkt., 10c; oz., 35c. Balsam, Alba Perfecta, ¼ oz., 25c; tr. pkt., 10c; oz., $1. Begonia, single, tr. pkt., 50c; dbl., tr. pkt., 50c; Vernon, ⅛ oz., 30c; tr. pkt., 10c; oz., $2. Bellis or dbl. daisy, Vaughan's mix., 1-16 oz., 45c; tr. pkt., 25c; white, 1-16 oz., 50c; tr. pkt., 25c; Longfellow, ⅛ oz., 35c; tr. pkt., 20c; oz., $2.50. Candytuft, giant, ½ oz., 15c; tr. pkt., 10c; oz., 20c. Canna, Crozy sorts, lb., 75c; tr. pkt., 10c; Vaughan's special mixture, 40 kinds, lb., $1.50; tr. pkt., 10c; oz., 20c. Celosia, President Thiers, tr. pkt., 15c; oz., $1.25. Centaurea Candidissima, tr. pkt., 25c; oz., $1; Gymnocarpa, lb., $2.75; tr., pkt., 5c; oz., 30c. Cobœa Scandens, lb., $3.50; tr. pkt., 10c; oz., 30c. Daisy, Burbank's Shasta, ⅛ oz., 25c; oz., $1.25. Dracæna indivisa, lb., $2.50; tr. pkt., 10c; oz., 30c. Echeveria, 100 seeds, 20c; 1,000 seeds, $1; Metallica, 100 seeds, 35c; 1,000 seeds, $3.50; Secunda glauca, 100 seeds, 15c; 1,000 seeds, $1. Feverfew, Matricaria Capensis, tr. pkt., 10c; oz., 25c. Forget-me-not, Vaughan's early blooming and late flowering, ¼ oz., 25c; tr. pkt., 10c; oz., 80c. Lobelia, Crystal Palace, ⅛ oz., 25c; tr. pkt., 15c; oz., $1.20; Speciosa, ¼ oz., 15c; tr. pkt., 10c; oz., 50c; Emperor William, ¼ oz., 25c; tr. pkt., 10c; oz., $1; Bedding Queen, ⅛ oz., 25c; tr. pkt., 15c; oz., $1.50. Maurandya, mix., ¼ oz., 25c; tr. pkt., 10c; oz., $1. Mignonette, True Machet, ½ oz., 25c; 2 ozs., 75c; tr. pkt., 10c; oz., 50c; New York Market, pkt. 1,000 seeds, 50c; ⅛ oz., $1; oz., $6. Mimulus, ¼ oz., 30c; tr. pkt., 10c; oz., $1. Musa Ensete, 100 seeds, $1. Pansy, Vaughan's International mix., oz., $10; ½ oz., $5; ⅛ oz., $1.50; tr. pkt., 50c; Vaughan's Giant mix., ¼ lb., $14; oz., $4; ⅛ oz., 60c; tr. pkt., 25c. Petunia, Giants of California, mix., 1-32 oz., 75c; tr. pkt., 25c; Vaughan's Best mix., tr. pkt., 1,000 seeds, 50c; 3 pkts., $1.25; Vaughan's dbl., 1,000 seeds, $1.20. Pyrethrum, Golden Feather, tr. pkt., 10c; oz., 25c. Salvia Splendens, Clara Bedman, tr. pkt., 25c; oz., $2; Drooping Spikes, ¼ oz., 50c; tr. pkt., 25c; oz., $1.60. Stocks, mix., ⅛ oz., 35c; tr. pkt., 25c; oz., $2; all colors, ⅛ oz., 35c; tr. pkt., 25c; oz., $2. Smilax, ¼ lb., 60c; lb., $2; tr. pkt., 5c; oz., 20c. Thunbergia, mix., 4 ozs., $1; tr. pkt., 10c; oz., 40c. Verbenas, Vaughan's best mix., purple, pink shades, tr. pkt., 25c; ¼ oz., 50c; oz., $2; mammoth mix., 2 oz., $1.70; tr. pkt., 10c; ¼ oz., 25c; oz., 80c; white, Mayflower, tr. pkt., 15c; ¼ oz., 25c; oz., $1; Firefly, tr. pkt., 15c; ¼ oz., 40c; oz., $1.20; striped on red ground, tr. pkt., 15c; ¼ oz., 30c; oz., $1.15; Candidissima, and dark blue, tr. pkt., 10c; ¼ oz., 20c; oz., 70c. Defiance, tr. pkt., 10c; ¼ oz., 25c; oz., 90c; striped, tr. pkt., 10c; ¼ oz., 20c; oz., 60c; purple, tr. pkt., 10c; ¼ oz., 20c; oz., 60c. Vaughan's Seed Store, Chicago and New York.

Seeds, palms, Kentia Fors., K. Bel., $1.25 per 1,000. Canterburyana, $3 per 1,000. Moorei, $12 per 1,000. Areca Baueri, $1 per 1,000. Seaforthia elegans, 50c per 1,000. Livistona australis, 50c per 1,000. Bacularia monostachya, $1.50 per 1,000. Gymnostachys anceps, $2 per 1,000. Calamus Muelleri, $1.50 per 1,000. Tree Seeds, Castanospermum australe, $5 per 1,000. Araucaria excelsa, $1.25 per 1,000. J. Staer, Wahroonga, N. S. W., Australia.

Seeds, aster, Vick's branching, 7 colors. Vick's Sunset, pkt., 25c; 2 pkts., 40c. Vick's Upright, pkt., 25c; 2 pkts., 40c. Vick's Royal Purple, pkt., 20c; 2 pkts., 35c. Vick's Branching Rosy Carmine, pkt., 25c; 2 pkts., 40c. Vick's Cardinal, pkt., 25c; 2 pkts., 40c. James Vick's Sons, Rochester, N. Y.

Seeds, beets, cabbage, Cannon Ball and Rocky Ford muskmelon, watermelon, Bermuda and Calif. onion, okra, mustard, French and Calif. grown, radish, tomato, Mexican June corn, Kaffir corn, German millet, dwf. yel. Milo Maize, sugar cane, winter barley, Red Rust Proof oats, cotton seed, Whip. and white black-eyed field peas, Spanish peanuts, Johnson and Bermuda grass. Texas Seed and Floral Co., Dallas, Tex.

Seeds, Asparagus, A. plumosus nanus, Northern greenhouse grown seed, 100 seeds, 60c; 250 seeds, $1.25; 1,000 seeds, $4.50. Southern greenhouse grown, 1,000 seeds, $2.50; 5,000 seeds, $10. A. plumosus robustus, 100 seeds, $1; 1,000 seeds, $9. Decumbens, 100 seeds, 50c; 1,000 seeds, $4. Comorensis, 100 seeds, $1; 1,000 seeds, $7.50. Cash discount 2 per cent. Vaughan's Seed Store, Chicago and New York.

Seeds, sweet peas, Earliest White, per pkt (40 seeds), 25c; 5 pkts., 75c net. ½ size pkts., 15c; 2 pkts., 25c; 10 pks., 75c. Burpee's Earliest of All, per oz., 10c; ¼ lb., 30c; per lb., $1. W. Atlee Burpee & Co., Philadelphia.

Seed, Asparagus plumosus, 1,000 seeds, $2; 6,000, $10; 13,000, $20; 25,000, $35; 50,000, $65; 100,000, $110. F. G. Taylor Seed Co., Inc., Box 99, Glendale, Cal.

Seeds, mignonette, New York Market. Sweet peas, pink and white. Tomato, The Don, Stirling Castle. Weebeer & Don, 114 Chambers St., New York.

Seeds, specialties, beans, cucumber and tomato, radish, peas, muskmelon, sweet corn and squash. S. M. Isbell & Co., Jackson, Mich.

Seeds, all kinds, specialties, onion, carrot, lettuce, sweet peas. Pacific Seed Growers' Co., 109 Market St., San Francisco.

Seeds, Rawson's mammoth Verbena, all colors and mixed, per oz., $1; ¼ oz., 30c. W. W. Rawson & Co., 5 Union St., Boston.

Seeds, cabbage and cauliflower. Hjalmar Hartmann & Co., 12 Stormgade, Copenhagen, 31 Barclay St., New York.

Seeds, high grade grass, clover, agricultural and forest tree seeds. Conrad Appel, Darmstadt, Germany.

Seeds, Primula Sinensis, herbaceous calceolaria, etc. H. B. May & Sons, Upper Edmonton, London, Eng.

Seeds, all kinds of vegetable and flower seeds. C. C. Morse & Co., 171 Clay St., San Francisco.

Seeds of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Seeds, vegetable and flower. A. J. Pieters Seed Co., Hollister, Cal.

Seeds, all kinds. John Scheepers & Co., New York.

Seeds, Snowball cauliflower. R. Wiboltt, Nakskov, Denmark.

Seeds. W. Atlee Burpee Co., Philadelphia, Pa.

SMILAX.

Smilax, 2-in., strong, $1 per 100; $9 per 1,000. C. Humfeld, Clay Center, Kan.

Smilax, 3-in., $4 per 100; $35 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Smilax. Wood Bros., Fishkill, N. Y.

SPIREAS.

Spireas, japonica, strong clumps, $3.50 per 100; Astilboides Floribunda, $4 per 100; Compacta Multiflora, $4 per 100; Gladstone, $6.50 per 100. J. M. Thorburn & Co., 33 Barclay St., New York.

Astilbe, or spirea, Gladstone, $8 per 100; Astilboides floribunda and Japonica, $5 per 100; Compacta, multiflora, $6 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Spireas, Japonica, $4 per 100. Nana compacta, $4 per 100. Ast. floribunda, $4.25 per 100. Gladstone, $6.50 per 100. Storrs & Harrison Co., Painesville, O.

Spireas. Jacs Smits, Ltd., Naarden, Holland.

VEGETABLE PLANTS.

Forcing rhubarb, undiv. clumps, $2 per doz.; 25 for $3.75; $12 per 100; $100 per 1,000. Stokes Seed Store, 219 Market St., Philadelphia.

VERBENAS.

Verbenas, mix. R. C., 60c per 100 prepaid. Shippensburg Floral Co., Shippensburg, Pa.

Verbenas, 60 named vars., Rooted cuttings, 75c per 100; $6 per 1,000. Plants, $2.50 per 100; $20 per 1,000. J. L. Dillon, Bloomsburg, Pa.

VINCAS.

Vinca Minor, Hardy periwinkle, good clumps, $1.50 per 100; $10 per 1,000. The E. Y. Teas Co., Centerville, Ind.

Vinca Var., rooted cuttings, $1 per 100; $7.50 per 1,000. Holton & Hunkel Co., Milwaukee, Wis.

Vinca Var., R. C., 90c per 100 prepaid. Shippensburg Floral Co., Shippensburg, Pa.

Vinca Var., 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

Vinca Var., R. C., 90c. Byer Bros., Chambersburg, Pa.

VIOLETS.

Violets, Lady Hume Campbell, Princess of Wales, Swanley White, Admiral Avellan, Luxonne, from 2½-in. pots, $3.50 per 100; $30 per 1,000. Dingee & Conard Co., West Grove, Pa.

Violets, Gov. Herrick, new single violet, good keeper; rooted cuttings $2 per doz.; $10 per 100; $75 per 1,000; 5,000 or more, $60 per 1,000. H. R. Carlton, Willoughby, O.

Violets. Wood Bros., Fishkill, N. Y.

WISTARIAS.

Wistaria Magnifica, 3-yr., strong, $3 per 100. The E. Y. Teas Co., Centerville, Ind.

WHOLESALE CUT FLOWERS.

Commission Dealers.

Allen, J. K., 106 W. 28th St., New York.

Amling, E. C., 32-36 Randolph St., Chicago.

Berning, H. G., 1402 Pine St., St. Louis.

Cleveland Cut Flower Co., 215 Huron road, Cleveland, O.

Deamud, J. B., Co., 51 Wabasn Ave., Chicago.

Eberman, C. W., 53 W. 30th St., New York.

Flower Growers' Market, 60 Wabash Ave., Chicago.

Ford Bros., 48 W. 28th St., New York.

Froment, Horace E., 57 W. 28th St., New York.

Guttman, Alex. J., 43 W. 28th St., N. Y.

Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Henshaw, A. M., 52 W. 28th St., New York.

Horan, Edward C., 55 W. 28th, N. Y.

Hunt, E. H., 76 Wabash Ave., Chicago.

Kennicott Bros. Co., 40-44 Randolph St., Chicago.

Kessler, Phil. F., 55 W. 26th St., N. Y.

Kuehn, C. A., 1122 Pine St., St. Louis.

Langjahr, Alfred H., 55 W. 28th St., New York.

McCullough's Sons Co., J. M., 316 Walnut St., Cincinnati, O.

McKellar, Chas. W., 51 Wabash Ave., Chicago.

McKissick, W. E., 1221 Filbert St., Philadelphia.

Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Murdoch, J. B. & Co., 745 Liberty Ave., Pittsburg, Pa.

N. Y. Cut Flower Ex., Coogan Bldg., 6th Ave. and W. 26th St., New York.

Niessen Co., Leo, 1217 Arch St., Phila.

Pennock-Meehan Co., 1608-18 Ludlow St., Philadelphia.

Pittsburg Cut Flower Co., Ltd., 222 Oliver Ave., Pittsburg, Pa.

If you do not find what you need in our Ready Reference Department, write us about it.

Pittsburg Florists' Exchange, 217-223 Diamond St., Pittsburg, Pa.

Pollworth, C. C. Co., Milwaukee, Wis.

Randall, A. L. Co., 19 Randolph St., Chicago.

Raynor, John I., 49 W. 28th St., N. Y.

Rice Bros., 128 N. 6th St., Minneapolis, Minn.

Robinson, Henry M., & Co., 11-15 Province St., Boston.

Seligman, John, 56 W. 26th St., N. Y.

Sheridan, Walter F., 39 W. 28th St., New York.

Smith & Co., W. C., 1316 Pine St., St. Louis, Mo.

Traendley & Schenck, 44 W. 28th St., New York.

Vaughan & Sperry, 58-60 Wabasn Ave., Chicago.

Welch Bros., 226 Devonshire St., Boston.

Winterson, E. F. Co., 45-49 Wabash Ave., Chicago.

Young, A. L. & Co., 54 W. 28th St., New York.

Young, Thos., 43 W. 28th St., N. Y.

Zech & Mann, 51 Wabash Ave., Chicago.

Growers.

Bassett & Washburn, 76-78 Wabash Ave., Chicago.

Benthey-Coatsworth Co., The, 35 Randolph St., Chicago.

Bruns, H. N., 1409-11 W. Madison St., Chicago.

Budlong, J. A., 37-39 Randolph St., Chicago.

Chatogue Greenhouses, Mobile, Ala.

Dittman, Wm., New Castle, Ind.

Elliott, W. H., Brighton, Mass.

Hill, The E. G. Co., Richmond, Ind.

Jensen & Dekema, 674 W. Foster Ave., Chicago.

Peacock Dahlia Farms, Atco, N. J.

Poehlmann Bros. Co., 35-37 Randolph St., Chicago.

Reinberg, Peter, 51 Wabash Ave., Chicago.

Scheiden & Schoos, 60 Wabash Ave., Chicago.

Sinner Bros., 60 Wabash Ave., Chicago.

Weiland & Risch, 59 Wabash Ave., Chicago.

Wietor Bros., 51 Wabash Ave., Chicago.

Wilcox, J. F., Council Bluffs, Iowa.

Wittbold, Geo. Co., 1657 Buckingham Place, Chicago.

RETAIL CUT FLOWERS.

Atlanta Floral Co., 41 Peachtree St., Atlanta, Ga.

Alpha Floral Co., Kansas City, Mo.

Bertermann Bros. Co., 241 Massachusetts Ave., Indianapolis, Ind.

Blackistone, 14th and H Sts., N. W., Washington, D. C.

Boland, J. B. Co., 47-49 Geary St., San Francisco.

Breitmeyer's Sons, John, cor. Miami and Gratiot Aves., Detroit, Mich.

Cooke, George H., Connecticut Ave. and L. St., Washington, D. C.

Daniels & Fisher, Denver, Col.

Donohoe, W. H., 2 W. 29th St., N. Y.

Eyres, H. G., 11 N. Pearl St., Albany, N. Y.

Gude, A. & Bro., 1214 F St., Washington, D. C.

Hansen, Mrs. M. A., Galveston, Tex.

Hauswirth, P. J., Audit. Annex, Chi.

Hess & Swoboda, 1415 Farnum St., Omaha, Neb.

Holm & Olson, St. Paul, Minn.

Keller, J. B., Sons, 25 Clinton St., Rochester, N. Y.

Kellogg, Geo. M., 906 Grand Ave., Kansas City, Mo.; also Pleasant Hill, Mo.

Lange, A., 40 E. Madison St., Chicago.

Livingston Seed Co., Columbus, O.

Matthews, 16 W. 3rd St., Dayton, O.

Mayberry & Hoover, 1339 14th St., N. W., Washington, D. C.

Miller, Theo., 4832 Delmar Blvd., St. Louis, Mo.

Mills The Florist, 36 W. Forsythe St., Jacksonville, Fla.

Murray, Samuel, Coates House Con., 1017 Broadway, Kansas City, Mo.

Park Floral Co., The, Denver, Col.

Palmer's, Buffalo, N. Y.

Schulz, J., 644 4th Ave., Louisville, Ky.

Virgin, Uriah J., 833 Canal St., New Orleans, La.

Weber, Fred C., 4320-28 Olive St., St. Louis, Mo.

Wilcox, J. F. Council Bluffs, Iowa.

Wilson, Robt. G., Fulton St. and Greene Ave., Brooklyn, N. Y.

Youngs, 1406 Olive St., St. Louis, Mo.

BOILERS.

Boilers, improved greenhouse boilers, made of best material; shell firebox sheets and heads of steel; water space all around (front, sides and back). Kroeschell Bros. Co., 45 Erie Street, Chicago.

Boilers, Gurney heaters, heat by steam or hot water. Gurney Heater Mfg. Co., 111 5th Ave., New York; 74 Franklin St., Boston.

Boilers, the Burnham boilers, made for greenhouse heating. Lord & Burnham Co., 1133 Broadway, New York.

Boilers, corrugated, fire box and sectional, greenhouse heating. Hitchings & Co., 1170 Broadway, New York.

Boilers, boilers of high grade for greenhouses. Steam and hot water. Giblin & Co., Utica, N. Y.

Boilers of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Boilers, water tube steam boilers. King Construction Co., N. Tonawanda, N. Y.

Boilers, write for prices. Johnston Heating Co., 1133 Broadway, N. Y.

Boilers, Myers & Co., 1122 Betz Bldg., Philadelphia.

BOXES.

Cut Flower Boxes, water-proof, corner lock style. No charge for printing on orders above 250 boxes. Livingston Seed Co., Columbus, O.

Cut Flower Boxes; send for prices. Edwards Folding Box Co., Philadelphia, Pa.

BUILDING MATERIAL.

Building material, lumber for greenhouse benches. Ship lap, drop siding, sheating, flooring, white cedar posts, etc. We are in special position to furnish "Pecky Cypress"; everything in pine and hemlock building lumber. Adam Schillo Lumber Co., cor. Weed and Hawthorn Sts., Chicago.

Building Material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouses and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building Material, cypress sash bars, Tennessee red cedar posts, pecky cypress benches, hotbed sash and frames, ventilating apparatus, pine, fittings and all supplies needed in new or reconstruction work. Foley Mfg. Co., 471 W. 22d St., Chicago.

Building Material, cypress sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 111-125 Blackhawk St., Chicago.

Building Material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 617 Sheffield Ave., Chicago.

Building Material for U-Bar greenhouses. Pierson U-Bar Co., Metropolitan Bldg., 4th Ave. and 23d St., N. Y.

Building Material of all descriptions, cold frames, hotbed sash, etc. Lord & Burnham Co., 1133 Broadway, N. Y.

Building Material, cold frames, hotbed sash of every description. Hitchings & Co., 1170 Broadway, New York.

Greenhouse materials of all kinds for greenhouse heating. Johnston Heating Co., 1133 Broadway, New York.

Building material, yellow pine boards cut to exact lengths. L. L. Satler Lumber Co., Pittsburg, Pa.

Building Material of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Building Material of all kinds. S. Jacobs & Sons, 1365-79 Flushing Ave., Brooklyn, N. Y.

CONCRETE MACHINES.

Ideal Concrete Machines for concrete block construction. Ideal Concrete Machinery Co., Dept. Y., South Bend, Ind.

CUT FLOWER HOLDER.

The Anglais table decoration, made in sections, can be adjusted to any form desired. "Japana" flower holder, 4½-in., 50c; 6½-in., 35c; 2½, 25c. M. V. Garnsey, 131 So. Waiola Ave., La Grange, Ill.

FERTILIZERS.

Wizard Brand pulverized sheep manure. The Pulverized Manure Co., 32 Exchange Ave., Chicago.

GLASS.

Glass importers and jobbers; greenhouse glass a specialty. Window glass. James H. Rice, corner Michigan St., Clair and Illinois Sts., Chicago.

Glass, a lot of 16x18 A and B double strength at low price. A. Dietsch Co., 617 Sheffield Ave., Chicago.

Glass, window glass. Greenhouse glass a specialty. H. M. Hooker Co., 59 W. Randolph St., Chicago.

Glass, French and American "White Rose" brand. Stenzel Glass Co., 2 Hudson St., New York.

Glass, all sizes. Metropolitan Material Co., 1398 Metropolitan Ave., Brooklyn, N. Y.

Glass, all kinds and sizes. Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.

Glass, special greenhouse. G. F. Reynolds, Durhamville, N. Y.

GLAZING POINTS.

Glazing Points, see the point? Holds glass firmly. Peerless glazing points are the best. No rights or lefts. Box of 1,000 points, 75c, postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Siebert's zinc never rust glazing points, 2 sizes, ⅝ and ⅞, 40c per lb. 16c extra by mail; 7 lbs., $2.50; 15 lbs., $5 by express. Siebert Co., Baum and Beatty Sts., Pittsburg, Pa.

GOLD FISH.

Gold Fish, Comets, Japanese Fantails, Fringetails, Telescopes, etc. Fish globes and aquariums. The J. M. McCullough's Sons Co., 316 Walnut St., Cincinnati, O.

Goldfish aquaria and aquarium supplies. Fred. Kaempfer, 88 State St., Chicago.

GREENHOUSE CONSTRUCTION.

Greenhouse Construction, builders of greenhouses for private estates, institutions, parks, etc. Pierson U-Bar Co., Metropolitan Bldg., 4th Ave. and 23d St., New York.

Greenhouse Construction, sash bar greenhouses. New Truss construction and iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse Construction, builders of every type of greenhouses; the most modern designs. Hitchings & Co., 1170 Broadway, N. Y.

Greenhouse Construction, builders of modern greenhouses. Myers & Co., 1122 Betz Bldg., Philadelphia.

GUTTERS.

Gutters, Jennings' improved iron gutters. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

Gutters, Lord & Burnham Improved V-shape gutter, with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

Gutters, Garland's gutters will keep snow and ice off your glass. A sample of our gutter is on exhibition at Chicago Flower Growers' Market. Geo. M. Garland, Des Plaines, Ill.

Gutters, new duplex gutter, only drip-proof gutter on the market. E. Hippard, Youngstown, O.

INSECTICIDES.

Insecticides, Carman's Antipest insecticide and fungicide, $1.50 per gal. Perfection Chem. Co. Flushing, N. Y.

Insecticides, tobacco paper, 24 sheets, 75c; 144, $3.50; 288, $6.50; 1,728, $35.10. Nico-Fume Liquid, ¼ pint, 50c; pint, $1.50; ½ gal., $5.50; gal., $10.50; 5 gal., $47.25. Kentucky Tobacco Product Co., Louisville, Ky.

Insecticides, Nicoteen Aphis Punk, 60c per box 12 sheets; $6.50 per case of 12 boxes. Nikoteen Liquid, $1.50 per pint; $13 per case of 10 pints. Nicotine Mfg. Co., St. Louis, Mo.

Wilson's Plant Oil, for scale and insects, ½ pt., 25c; pt., 40c; qt., 75c; ½ gal., $1.25; gal., $2; 5 gals., $9. Andrew Wilson, Summit, N. J.

Insecticides, Hasco liquid nicotine, pts., $1.35; half gal., $5.25; gal., $10. H. A. Stoothoff Co., 116 West St., New York.

Fumigating Supplies, vaporizing pans for tobacco extract, improved. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

Fumigating supplies, tobacco stems, 300 lb. bales, $1.50. W. C. Beckert, 103 Federal St., Allegheny, Pa.

Insecticide, Nicoticide, Bug Killer, the best bug killer and bloom saver. P. R. Palethorpe Co., Louisville, Ky.

LAWN MOWERS.

Lawn Mower. The Clipper lawn mower, No. 1, 12-in., $5; No. 2, 15-in., $6; No. 3, 18-in., $7; No. 4, 20-in., $8. Draft, money order or reg. letter. Clipper Lawn Mower Co., Dixon, Ill.

METAL DESIGNS.

Metal signs, send for prices. A. Herrmann, 404-12 E. 34th St., New York.

MISCELLANEOUS.

Florists' overdue accounts and bad debts collected by the National Florists' Board of Trade, 56 Pine St., N. Y.

Engravings, best engravings and illustrations of every description for catalogues. Send for estimates. Globe Eng. & Elec. Co., 427 Dearborn St., Chicago.

Printing, large runs of catalogues a specialty. Write for figures. Regan Printing House, 89-91 Plymouth Place, Chicago.

PAINT, PUTTY, ETC.

Paint, Ideal Greenhouse Lead; Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, N. Y.

Paint, Putty, etc. H. M. Hooker Co., 59 W. Randolph St., Chicago.

Paint, Putty, etc. The Jas. H. Rice Co., 80-82 Wabash Ave., Chicago.

PIPE, FITTINGS, ETC.

Pipe, iron fittings, etc., galvanized iron sash hinges, screw eyes, screw hooks, U bolts, galvanized iron buckles and wires. Fittings for purlin and ridge supports. Foley Mfg. Co., 471 W. 22d St., Chicago.

Iron Fittings, patent iron bench fittings and roof supports. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

Pipes, valves, fittings of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

A Bargain, 4-in. cast iron pipes, 5 foot lengths at 12c per foot. C. C. Pollworth Co., Milwaukee.

Iron Fittings, etc.; send for prices. Lockland Lumber Co., Lockland, O.

POTS, PANS, ETC.

Pots, standard, seed pans, cut flower cylinders, hanging baskets, lawn vases, etc. Hilfinger Bros. Pottery, Ft. Edward, N. Y.

Pots, red standard. Paducah Pottery Co., Paducah, Ky.

Pots, standard flower pots. The Whildin Pottery Co., Philadelphia, Pa.; Jersey City, N. J.; Long Island City, N. Y.

Pots, before buying write for prices. Geo. Keller & Son, 361-63 Herndon St., near Wrightwood Ave., Chicago.

Pots, red standards, full size and wide bottoms. Detroit Flower Pot Mfy., 490 Howard St., Detroit, Mich.

Pots, red standard, azalea pots. The Keller Pottery Co., 213-223 Pearl St., Norristown, Pa.

Pots, pots of all kinds. A. H. Hews & Co., No. Cambridge, Mass.; Long Island City, N. Y.

Pot hangers, Kramer's $1 doz. by exp., $1.25 by mail. I. N. Kramer & Son, Cedar Rapids, Ia.

Pots, Syracuse, red, Syracuse Pottery Co., Syracuse, N. Y.

Pots, all sizes. Ionia Pottery Co., Ionia, Mich.

PRUNING SHEARS.

Pruning shears, Rhodes double cut. Rhodes Mfg. Co., Grand Rapids, Mich.

PUMPING ENGINES.

Pumping Engines, two streams of water for 1 hour cost 2 cents if you use a Standard pumping engine. The Standard Pump & Engine Co., Cleveland, O.

SEED CASES.

Seed cases, Heller's mice proof. W. C. Heller & Co., Montpelier, O.

STEAM TRAPS.

Steam Traps, the Standard return steam trap has no equal for its simplicity of working. E. Hippard, Youngstown, O.

SUPPLIES.

Supplies, immortelle letters, inscriptions, etc., 1½-in. letters and figures, $2.50 per 100; 2-in., $2.50 per 100; 2½-in., $3 per 100. Perfect flower pot handle and hanger, No. 1, 30c per doz.; No. 2, 40c per doz.; No. 3, 50c per doz.; sample, 10c. W. C. Krick, 1164 Greene Ave., Brooklyn, N. Y.

Supplies, milkweeds, wire designs, cut wire, all kinds of letters, immortelles, cycas leaves, sheaves of wheat, ribbons, corrugated boxes of all kinds. Henry M. Robinson & Co., 8-11 Province St., Boston, Mass.

Supplies, terra cotta grass growing heads and animals, fish globes, fish tanks, acquaria, Bohemian glassware, imported china, French glass shades, all shapes. Nicolas Wapler, 50 Barclay St., New York.

Supplies, Xmas bells, pot covers, crepe paper, chiffon, gold letters, immortelles and wreaths. C. C. Pollworth Co., Milwaukee, Wis.

Supplies, cape flowers, cycas leaves, metal designs and all florists' supplies. A. Herrmann, 404-12 E. 34th St., New York.

Supplies, importers and manufacturers of florists' supplies. L. Baumann & Co., 78 Wabash Ave., Chicago.

Supplies, importers and manufacturers of florists' supplies. Reed and Keller, 122 W. 25th St., New York.

Supplies, wire designs, etc. The Cleveland Cut Fower Co., 215 Huron road, Cleveland, O.

Supplies, wire designs. Pittsburg Florists' Ex., 228 Diamond St., Pittsburg, Pa.

Supplies, ribbons and violet ties. Wm. B. Lake, 2535 N. 34th St., Philadelphia.

Supplies and novelties of all kinds. J. Stern & Co., 125 N. 10th St., Philadelphia.

Supplies, flower baskets, novelties. Riessner Bros., Lichtenfels, Bavaria.

Supplies of all kinds. E. F. Winterson Co., 45 Wabash Ave., Chicago.

TOOTHPICKS.

Toothpicks, wired, $1.50 per 10,000; $6.25 per 50,000. W. J. Cowee, Mfr., Berlin, N. Y.

VENTILATING APPARATUS.

Ventilators, the Standard ventilating machinery; original machine with self oiling cups, most powerful, least complicated, very compact. E. Hippard, Youngstown, O.

WIRE SUPPORTS.

Wire supports, model extension carnation supports, galvanized wire rose stakes, tying wires, single and double pot hangers. Igoe Bros., 63 Metropolitan Ave., Brooklyn, N. Y.

RIBBONS=SPECIALTIES

Our VIOLET TIES are new and original. They combine simplicity, grace and beauty. Write for sample.

WILLIAM B. LAKE, 2535 N. 34th St., PHILADELPHIA, PA.

CHEAPEST AND BEST.

If you doubt it try them and be convinced. Send for descriptive price circular.

J. D. Carmody, Evansville, Ind.

A HOLLY WREATH

FOR HOLIDAY CIRCULARS AND ADVERTISING.

Plates for printing this fine Holly Wreath in two colors—green leaves and red berries and ribbon—$3.00 per set of 2 plates

Larger size, 3¾x4 inches, $5.00 per set of 2 plates.

Plate shown here for one color, $1.50. The larger size, one color, $2.70.

Cash with order.

American Florist Co.

324 Dearborn St., CHICAGO.

If you do not find what you need in our Ready Reference Department, write us about it.

The Regan Printing House
LARGE RUNS OF
CATALOGUES —OUR— SPECIALTY
WRITE FOR FIGURES.
83-91 Plymouth Place, CHICAGO.

GLASS
GOOD BRANDS.
QUICK SHIPMENTS.
LARGE STOCK.
Warehouse on railroad switch. **Be Sure and Get Our Prices.**
SHARP, PARTRIDGE & CO.,
22nd and Lumber Sts., CHICAGO.

Carman's Antipest
INSECTICIDE AND FUNGICIDE
For the Garden, Orchard and Greenhouse.
Non-poisonous and harmless to vegetation.
Kills Green Fly, Aphides, Bark Lice, Thrip, Mealy Bug, Red Spider, Scale, Wire Worms, Ants and Slugs.
This is the Grower's Friend, handy to use, cheap and effective, mixes readily in water. Destroys all insect pests and keeps down filth. Circulars on application. **$1.50 per gallon.** Also in quarts, half gallons and in bulk.
PERFECTION CHEMICAL CO.,
FLUSHING, N. Y.

STENZEL GLASS CO.,
GREENHOUSE GLASS.
French and American "WHITE ROSE" Brand.
2 Hudson St., NEW YORK.

H. M. HOOKER CO.
Window Glass, Paints and Putty.
Greenhouse Glass a Specialty.
59 W. Randolph St., CHICAGO.

EVANS' IMPROVED CHALLENGE VENTILATING APPARATUS
WRITE FOR ILLUSTRATED CATALOGUE
QUAKER CITY MACHINE WORKS.
RICHMOND, IND.

THE STANDARD.,

VENTILATING MACHINERY
The original machine with self-oiling cups. The most powerful, least complicated, very compact, with ease of operation.
The New Duplex Gutter
Over six miles in use and highly recommended by all. The only **Drip Proof** gutter on the market.
The Standard Return Steam Trap
It has no equals for simplicity or its working. Catalogue free.
E. HIPPARD, Youngstown, Ohio.

Gold Fish Aquaria and Aquarium Supplies.
Write for catalogue.
FRED KAEMPFER
88 State Street, CHICAGO, ILL.

RHODES DOUBLE CUT PRUNING SHEAR

PAT.
Cuts from both sides of limb and does not bruise the bark.
We pay Express charges on all orders.
Write for circular and prices.
RHODES MFG. CO.
Dept. 3. GRAND RAPIDS, MICH.

NIKOTEEN APHIS PUNK
THE ORIGINAL AND GENUINE
NICOTINE FUMIGANT
STRONGEST AND MOST UNIFORM
PRICE 60¢ PER BOX OF 12 LONG SHEETS
$6.50 PER CASE OF 12 BOXES
NIKOTEEN
LIQUID
FOR SPRAYING OR VAPORIZING
PRICE $1.50 PER PINT BOTTLE.
$13.00 PER CASE OF 10 PINT BOTTLES.
NICOTINE MFG. CO. ST. LOUIS MO.

THE NEW

Cyclopedia of American Horticulture.

BY PROFESSOR LIBERTY H. BAILEY.

Over 4,357 articles in all by 450 expert writers, including practically all the best botanists, nurserymen, seedsmen, florists, market gardeners and experimental station horticulturists. Occupying 2,100 pages and covering 24,434 plant names, 2,800 detailed illustrations, enormously increasing the ease of identification, and 146 beautiful full page illustrations.

Every reader of this paper who is interested in farming, in gardening, in trees, in shrubs, and all out of door matters, absolutely needs this set. It takes the place of all others combined on American gardening.

In Six Great Quarto Volumes of 2,100 Pages You Find:

Descriptions alphabetically arranged of all—over a thousand—of the native trees, plants and flowers worth cultivating, with keys enabling you to name any species, as well as to find all information regarding it. Practical articles by leading experts of the country on all phases of commercial plant production and greenhouse management—cut flowers, vegetables, etc.

Fullest cultural instructions for every flower, fruit and vegetable, tree and ornamental plant you may wish to grow.

SPECIAL OFFER.

The regular price is ***$30.00.*** For a few weeks we are able to offer this new and revised edition with the new material added at ***$22.80*** cash. This offer will be withdrawn January 1, and the price increased.

American Florist Company,
324 Dearborn Street, CHICAGO.

THE AMERICAN FLORIST

America is the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXVII. CHICAGO AND NEW YORK, DECEMBER 22, 1906. No. 968

THE AMERICAN FLORIST

TWENTY-SECOND YEAR.

Copyright 1906, by American Florist Company. Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

324 Dearborn St., Chicago.

Eastern Office: 1133 Broadway, New York.

Subscription, $1.00 a year. To Europe, $2.00. Subscriptions accepted only from the trade.

Volumes half yearly from August 1901

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—WM. F. KASTING, Buffalo, N. Y., president; H. M. ALTICK, Dayton, O., vice-president; W. J STEWART, 11 Hamilton Place, Boston, Mass., secretary; H. M. BEATTY Pittsburg, Pa., treasurer. Twenty-third annual meeting at Philadelphia, Pa., August, 1907

OFFICERS-ELECT—WM J. STEWART, Boston, Mass., president; JOHN WESTCOTT, Philadelphia, Pa., vice president; P. J. HAUSWIRTH, Auditorium Annex, Chicago, secretary; H. B. BEATTY, Pittsburg, Pa., treasurer.

INTERNATIONAL EXHIBITION—A grand international exhibition will be held with the annual convention at Chicago, November, 1908.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual convention and exhibition, November, 1907. WM. DUCKHAM, Madison N J., president; DAVID FRASER, Penn and Homewood Ave., Pittsburg, Pa., secretary.

AMERICAN ROSE SOCIETY.

Annual meeting and exhibition at Washington, D. C., March 13-15, 1907. ROBT. SIMPSON, Clifton, N. J., president; BENJAMIN HAMMOND, Fishkill-on-Hudson, N. Y., secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention and exhibition at Toronto, Canada, January 23-24, 1907 JOHN H. DUNLOP, Toronto, Canada, president; ALBERT M. HERR, Lancaster, Pa., secretary.

THE AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

Annual convention at Toronto, Ont., 1907. BYRON D. WORTHEN, Manchester, N. H., president; F. L. MULFORD, Harrisburg, Pa. secretary.

AMERICAN PEONY SOCIETY.

Third annual meeting and exhibition at Ithaca, N. Y., 1907. C. W. WARD, Queens, N. Y., president; A. H. FEWKES, Newton Highlands, Mass., secretary.

Contents, page 1056.

Advertising Rates, 1056.

Index to Advertisers, 1080.

Ready Reference Advts., 1081.

SUGGESTIONS FOR FLORISTS.

Shasta Daises and Gaillardias.

No other perennials have paid us as well for cutting in mid-summer the past two seasons as Shasta daisies and gaillardias. The easiest way to propagate them is to sow seed in June or July and this will result in well grown plants before the winter sets in. Not having enough plants last year, we made a sowing December 26 and had by the middle of April nice strong plants for the field, which gave us excellent results during the summer. The old clumps of Shasta daisies never do as well as the young stock, and so with gaillardias. Shasta daisies are also easily propagated by division but the plants don't seem to have the same life as the seedlings. Of the several kinds, Gaillardia grandiflora is the best for cut flowers.

Daffodils.

You can force Von Sion without having the bulbs outside at all. Not so with tulips or hyacinths. Three years ago, we bought 2000 daffodil bulbs December 12. They were planted in boxes and pans and placed under the benches of a violet house, where they were kept in a night temperature of about 40° and later 45°. They started to bloom a little before Easter and at Easter we had them all in bloom. I think I never saw a finer lot of flowers. Since then we plant our daffodils as early in the fall as we can get them, put them outside and bring them into the violet house in December. To have them in flower for the end of January, the boxes ought to be placed under a carnation house bench on top of the hot water returns; leave them there from the last week in December to the second week in January. Darken the place where they stand a little so that you may get better stems. Move them to the light about the middle of the month and keep in a temperature of about 55°.

This treatment applies to the bulbs you wish to force up to the end of February, after which date less heat is required to bring them into bloom. If you wish to have the best results then, don't use any bottom heat whatever, and don't give your plants a night temperature of over 50°. Give them the full sunlight in the daytime and plenty of ventilation, for a daffodil grown cool has better colored and larger flowers, which when cut will outlast those grown in a high temperature. Thousands of daffodils are dumped each season on the wholesale market, which have been forced too hard. The flowers are small, light yellow in color, and they are usually put up and shipped 25 in a bunch, which, while it will do for tulips, is not at all proper for daffodils. The petals get bruised, which is not the case when packed like roses or carnations, and by the time the flowers reach the retailer a few wilted yellow leaves on the end of the stem remain.

Vincas.

The variegated vinca heads the list of all the drooping vines we use in spring, and while window boxes or vases filled with red geraniums and English ivies have a rich effect which can not be obtained with vincas, most of your customers will only take ivies as a second choice. I can't remember a bedding season during the last 17 years where we haven't run short of vincas before the season was over. There is never an over supply of good vincas on the market. A good plant is one in a 4-inch pot with from seven to 10 branches 18 to 30 inches in length. Stock planted out last spring and taken up this fall, cut back and up to this time, stored under some light bench, should now be divided and put into three or 3½-inch pots.

Give them for the present any bench you can spare. They will not grow much for the next three to four weeks but will make new roots now, and get ready to make their new growth towards the end of January. Put the plants then in 4-inch pots and stand them along your carnation benches. If you haven't enough room you can use your rose benches as well. I don't mean to set the pots between your plants in the bench, for that would not be the proper way. Put up a little shelf, made out of hemlock boards six inches wide, alongside the benches. Use laths or other thin material on the sides to hold some sift-

ed ashes for the pots to stand on. When you transfer your plants to 4-inch pots mix an 8-inch pot of bone meal with every wheelbarrowful of your potting soil. Vincas are great feeders when growing and require plenty of water.

Easter Lilies.

Your longiflorums for Easter should for the next few weeks be in a carnation house temperature. If they are now about six inches above the pots, you have them in good shape. By six inches above the pots I don't mean growth made under a bench, but well developed leaves or growth made in full sunlight. If you have early planted lilies which have not been neglected, you ought never to have any trouble in getting them into bloom for Easter, if you can apply enough heat towards the last. Should you, however, have planted diseased or immature bulbs it is beyond your power to have satisfactory results in forcing them.

Whether you fumigate with cyanide, punk, nicofume or the old fashioned tobacco stems, don't wait until the centers of the plants are full of lice. As soon as lilies are brought into the house they ought to be fumigated regularly once a week to prevent the appearance of the insects. Fumigating will never hurt the plants. The brown tips on your lilies are not caused by it, but are due to the unnatural conditions we put the plants under by forcing them to grow and bloom in pots. You find the same brown tips on latanias, dracænas and other foliage plants. Of course, you can by an overdose of smoke make conditions worse, as there is less vitality and resisting power at the end of the leaves than at the base. If you received your lilies late, and the plants at this time are just beginning to leaf out, don't try to hurry them by putting the plants into a high temperature; it is too early: Let them come along in a 55° house for a while. They will make up later.

THE CARNATION.

American Carnation Society.

Everything is in readiness for the meeting in Toronto, Ont., January 23 and 24, excepting the flowers for the exhibition and the attendance. The display ought to be good and large, as are the premiums offered and lots of them. The flowers as soon as they enter Canada will have special care from the express company, providing the society label is used. This label can be procured by applying to the secretary and will also pass them through the customs without any delay or annoyance.

The attendance ought to be immense, as the papers to be read and the discussions that will come up are unusually interesting. The rate of a fare and a third will apply to all of the country covered by the Central, Trunk Line, New England and Canadian passenger associations.

The premium list can be had by applying to the secretary and in this connection he wants to publicly apologize to Wm. Scott of Buffalo, N. Y., for inserting the name of another in place of his for judge. The list of judges should read: W. N. Rudd, Mt. Greenwood, Ill.; Wm. Nicholson, Framingham, Mass.; Wm. Scott, Buffalo, N. Y.

January 16 is the last day for entries to reach the secretary. Intending exhibitors who have not as yet joined the society will please note and apply for a premium list at once, so as to get entry blanks and information needed in time to get their entries in before that date.

JNO. H. DUNLOP, Pres.
ALBERT M. HERR, Sec'y.

THE PREMIUM LIST.

The sixteenth annual meeting and exhibition of this society is to be held, January 23 and 24, 1907, in the assembly hall of the city hall, Toronto. The officers for the current year are as follows: John H. Dunlop, Toronto, Ont., president; W. J. Palmer, Buffalo, N. Y., vice-president; Albert M. Herr, Lancaster, Pa., secretary and Fred Dorner, Jr., Lafayette, Ind., treasurer. W. N. Rudd, Mt. Greenwood, Ill., Wm. Nicholson, Framingham, Mass., and Wm. Scott, Buffalo, N. Y. are the judges.

No entry will be accepted that does not reach the secretary by January 16 except by payment of $1 for each variety so entered. All entries, except for certificates of merit, must be staged before 1 p. m. on the first day of the show. Members of the society only are eligible to compete for prizes. Cards for labeling all varieties are supplied by the society and any varieties not so labeled or numbered will not be considered by the judges. The same vase is not allowed to compete for more than one prize excepting those entered for certificates, and where otherwise stated.

The following papers are promised:—"Are There Too Many New Carnations Introduced," by John Birnie, West Hoboken, N. J.; "Greenhouse Construction," by Mr. King, Toronto; "American Carnations and Their Prospects in Europe," by C. Englemann, Saffron Walden, England and "Carnations From a Canadian's Point of View," by Wm. Gammage, London, Ont. To be eligible for a certificate of merit a variety must have been bloomed not less than three years and at least 50 blooms must be shown, but preliminary certificates are awarded to varieties of promise, comprising two-year-old seedlings, 12 or more blooms of each, or any variety to be shown and an entry fee of $2 paid for each variety. To enter for the certificate of merit $5 is the required fee. In the general premium list there are 27 classes, first and second prizes, ranging from $10 to $1.05, being offered. Gold, silver and bronze medals for the best, second and third vases of 100 blooms, any variety, and silver and bronze special S. A. F. medals for best and second best vase of 50 blooms of a variety not yet disseminated are also offered. A first prize of $50, second of $30 and third of $20 are offered for the best general display of commercial carnations, 50 in a vase, not more than 20 vases. Silver cups for various exhibits are donated by the Canadian Horticultural Association, the Steele, Briggs Seed Co., Toronto, the Montreal Gardeners' and Florists' Club, the R. W. King Co., Toronto and N. Tonawanda, N. Y., and the Dale Estate, Brampton, Ont. In the latter case cash will be substituted for the cup should the winner prefer it. Cash prizes are also offered by John H. Dunlop, Toronto, W. Gammage, London, Ont., W. J. Lawrence, Eglinton, Ont. and Geo. Vair, Toronto.

PHOENIX ROEBELENII.
To be seen at Vaughan's Greenhouses, Western Springs, Ill.

Special shipping cards are provided by the society through the secretary, and Geo. H. Mills who will be superintendent of the exhibition will give all assistance and advice possible. The one and one-third fare on the certificate method will again be conceded by the railroad companies.

AZALEAS AT VAUGHAN'S GREENHOUSES, WESTERN SPRINGS, ILL.

Propagating Carnations.

You have still plenty of time to think about propagating varieties of which you have a large stock, but in the case of the newer sorts which you intend growing more extensively next season, get ready now. Carnation specialists differ quite a little in their opinions regarding the best time to propagate. Those who have a light soil for field culture, will, from a late struck cutting, grow a bushy plant in a few weeks, while those with a heavy soil will require well established stock for planting out in spring in order to get a fair sized plant ready for housing in August. Quite a number of carnation growers have abandoned field culture altogether. Those beautiful blooms of Aristocrat and White Perfection exhibited at the last Chicago show were cut from stock planted in the benches the first week in May, and C. W. Ward tells us that the variety Robert Craig never had field culture from the time the seedling came up.

There is no doubt that the varieties we grow today are more suited to be grown entirely inside than those of 25 years ago. For those, however, who have a bedding plant trade, and need all the space they can possibly get in April, May and part of June, field culture is necessary. For propagating, use nice, strong side shoots of the flowering stems. Select those that are uniform in size. Don't have one cutting four inches and the other two in length. By going over your stock, say every three weeks, you have no trouble in selecting cuttings of uniform size. If you take hold of the flowering stem of the plant with your left hand and with the thumb and two forefingers of your right hand get hold of the cutting in the middle, you can remove it from the plant by bending it sideways, and in most cases no trimming is necessary. Have a small box, box, say 10 x 14, with two wire hooks attached to one side to hang on the edge of the bench, to receive your cuttings, and move the box as you go along. Don't try to hold 50 cuttings in your hand before depositing them in the box. Lay your cuttings all one way; the box will hold two rows. Whenever you have, say 150 to 200 cuttings put them in the propagating bench. Use fresh sand three inches deep. Don't crowd your cuttings too much. Have them set so that you can see the sand between the rows. One and one-fourth inches in the sand is sufficient for the cuttings.

When you have a row full, press the sand firmly along both sides of the row. You can best do this with the two forefingers of both hands. If you don't press the sand firmly you will find your cuttings lying all over the sand after the first watering. During December and January little shading is required. A light spraying on sunny days will do the foliage of the cuttings good. Spraying, and the little watering the cuttings require, should be done with the can. A hose is not the thing for the cutting bench, and it takes a good man to handle it intelligently at any time. If you keep your cuttings in a night temperature of about 50° they will show roots in about 30 days. Don't let them make three to four inches of growth before taking them out of the sand.

Carnations in England.

Carnations have been put up in good form at many of the chrysanthemum shows by Cutbush & Son, London, Hugh Low & Co., London, and S. Mortimer, Farnham. The Winter Flowering Carnation Society, inaugurated in May, held its first show on December 4 in London. The following scale of points has been adopted for judging new varieties put up for certificate:

Color	5 points
Size	5 points
Fragrance	5 points
Substance	5 points
Calyx	5 points
General appearance	5 points
Length and substance of stem	5 points
Habit of plant	5 points

Thirty points are necessary to entitle a variety to a first class certificate, and twenty-five points to entitle a variety to an award of merit.

Growers are greatly annoyed over synonymous varieties advertised under two or more names, probably the result of a similar sport appearing simultaneously in two or more establishments. When new stock is bought this is not discovered until flowering time comes round. Another grievance is the low cutting prices advertised by some growers, especially in retail newspapers.

BEE.

WITH THE GROWERS

Vaughan's, Western Springs, Ill.

CHRISTMAS STOCK.

A look through the extensive and well kept greenhouses here revealed a great deal of fine stock that we may have occasion to refer to later, but just now we are more concerned with the stock for Christmas. Clean, well developed and excellently finished stock of all kinds is present, the ordinary market stock in surprisingly large numbers and rarer and more uncommon varieties well represented. Azaleas are always popular Christmas plants and a house of 800 fine specimens in full bloom and ready for immediate delivery makes a very

POINSETTIAS AT VAUGHAN'S GREENHOUSES, WESTERN SPRINGS, ILL.

pretty show. The ever popular Simon Mardner, with its showy, red, double flowers, Vervæneana, variegated, and the double white Deutsche Perle are the principal kinds grown for this trade, and by their healthy, vigorous appearance they have been brought on gradually and not unduly forced.

Baby Rambler roses are very popular and there is a large stock here, not only of the type, but of a charming white form with small and very double pure white flowers, very freely produced. This certainly is a little gem, the centers of the flowers showing no yellow stamens like other white forms we have seen. Little Alfred again is a very pretty and unusual variety. The buds are a soft apricot yellow before expanding, turning to a mixture of coppery yellow, then china pink, eventually becoming pure white as the blossoms open fully. Such a marked change and through such a variety of colors is quite unusual. Jas. S. Wilson, the manager here, says it should have been called Chameleon, and it would certainly be a descriptive name. Three of Welch's new varieties were noted, Lady Gay, Hiawatha and Etoile de France, the latter much resembling Richmond, both in habit and color, but only suitable for summer flowering according to Mr. Wilson.

Poinsettias are always popular Christmas plants and these are grown in very large numbers and of excellent quality. The sight of a large houseful with splendid bracts 12 to 13 inches across of the richest fiery red is very fine. We have never seen a better colored lot of poinsettias. Mr. Wilson attributes their color to feeding with blood manure, but the plants are in excellent health all through, the foliage a fine deep green, strong and of great substance. They are in all sizes from single dwarf plants to fine specimens five in a pot, and each one is perfect; there is not a poor plant in the lot.

Begonia Gloire de Lorraine is a fine feature here, a house full of grand plants in several different sizes being noted. They are simply covered in bloom, the foliage healthy and of fine substance, the color of the flowers also being excellent. Gloire de Sceaux, with what appeared to us to be deeper colored, more metallic like foliage than usual, was in fine order, healthy stout plants just opening their flowers. A fine batch Aucuba Japonica, the berried and the male form, was noted, but the berries were hardly colored sufficiently. Probably they will be ready by the holidays. The Christmas peppers are very fine indeed, the plants, owing to having been grown under glass right along, having kept their foliage in splendid order, a deep healthy green that shows up the rich tints of the fruit remarkably well. The strain of Jerusalem cherries grown here is an excellent one, only the largest and best colored berries from the most shapely habited plants being saved for seed, and as this selection has been going on for a number of years, the result is seen in the plants now fruiting. It is to be hoped that this selection will still be rigidly carried out, for there is already a great improvement on the ordinary forms.

Foliage plants are in excellent order here and grown in very large numbers. For instance, there are altogether about 25,000 kentias, not little bits, but many of them fine specimen plants in the finest possible health and of a deep green color. K. Forsteriana is most largely grown, but there are also a great number of K. Belmoreana, that fine decorative palm, with which no one ever seems to get over stocked. Crotons are clean and well colored and the stock of Ficus pandurata is large and of varied sizes. There is also a fine stock of Araucaria excelsa, healthy plants in all sizes and several varieties being grown. Dracæna Massangeana and D. Lindeni

Solanum Capsicastrum or Jerusalem Cherry.
At Vaughan's Greenhouses, Western Springs, Ill.

are two fine golden variegated forms largely grown, while D. terminalis, excellent in color, is also to the fore. One of the prettiest things we have seen lately is D. Pere Sheran, a new variety that is being rapidly worked up here. The leaves are wider than those of D. terminalis, the color a beautiful cerise, with deeper tinted edges. Another fine new one is D. gloriosa, while D. amabilis is present in quantity, its fine healthy

Poinsettia Pulcherrima.
At Vaughan's Greenhouses, Western Springs, Ill.

looking leaves containing white, pink and green. Large, small and medium sized plants are here of all these kinds and it would be a difficult customer to please who would not find what he wanted.

Boston ferns in all the leading new and old kinds from little fellows in small pots up to fine well feathered specimens are here by the thousand; also large batches of Ficus elastica, hard, green, healthy looking stock that would delight the retail florist. Asparagus plumosus, too, is well and largely grown, as are Pteris tremula, P. serrulata and a fine batch of P. Wilsoni, a showy crested form of great value. Cleanliness and good culture are everywhere shown and the stamp of a well managed concern is written large all over.

The Geo. Wittbold Co., Chicago.

A visit to the Buckingham Place greenhouses of the Geo. Wittbold Co. is very interesting, owing to the great variety of pot stock to be seen. All the leading decorative plants are grown in considerable quantity, and the stock of palms in all sizes is exceptionally fine just now. The houses facing Buckingham place are well filled with Boston and other ferns and decorative stock generally, and these houses are to be extended right around the block, which will greatly enhance the fine appearance of the place. Areca lutescens, with its brightly tinted stems, is a graceful palm and some fine specimens of this look well among the kentias and others in the show houses. Here everything is very clean and healthy, and the houses being cool and airy, the stock has just that hard lasting appearance that experienced decorators like.

In the growing quarters for decorative plants, the Wittbold system of watering and spraying the whole house by simply turning a valve has been installed, and the fine bright condition of the stock is its best recommendation. An arrangement of valves has been effected whereby the whole of a house, or separate portions that dry more quickly than others, can be sprinkled, an important point. The saving of labor must be very great, besides which it is not necessary to climb about among the suspended plants. Modifications of the system, to suit various types of houses and the plants grown therein, can be made. We understand from Louis Wittbold that the device is selling freely.

Among the flowering stock a very fine lot of Begonia Gloire de Lorraine was noted, the plants of medium size, very healthy and full of bloom. The Japanese Ardisia crenulata, too, is in excellent shape, the plants in fine health and profusely berried. Seedling ferns in all sizes and great variety are grown, the tiny plants in boxes and pots showing the same good health as those of specimen size. Poinsettias, both on the benches and dwarf plants in pots, are all in excellent condition, and the same is true of fine batches of young cocos, Asparagus plumosus nanus and many other foliage subjects. A house full of healthy young cyclamen, and a few benches of chrysanthemums in leading sorts are providing a lot of flower, and a large batch of cattleyas grown on flat rafts look very healthy. The stock of Araucaria excelsa is large and healthy, and consists of plants in many sizes. In the retail store a fine lot of cut blooms was being handled, the products of the firm's greenhouses at Edgebrook. Enchantress carnations and roses in all the leading favorites were represented by the best stock in considerable numbers. Besides the decorative and cut flower work the Geo. Wittbold Co. grow herbaceous and general hardy plants largely, and trade in all departments is brisk.

Begonia Gloire de Lorraine.

The illustrations herewith show some of the plants of Begonia Gloire de Lorraine as grown by Samuel Murray, Kansas City, Mo. Mr. Murray has been very successful with this begonia. He grows only one plant in a pot. The stock for the large plants was received from J. A. Valentine, Denver, Colo., in 2-inch pots April 20, and those in 4-inch and 5-inch pots from the same source July 5. The plants shown in 2-inch and 3-inch pots were top cuttings of Mr. Murray's own propagation. Mr. Murray does not believe in carrying over any old plants, and says that the plants shown here could have been grown much larger but for lack of room.

BEGONIA GLOIRE DE LORRAINE.
At Samuel Murray's, Kansas City, Mo.

The Action of Ether in Forcing Plants.

The efforts made in recent years to hasten the forcing of different plants, by subjecting them to the fumes of ether, have attracted the attention of the horticultural world, and particularly that of specialists, who see in it an improvement which will, at least in the early autumn, shorten the time necessary in the greenhouses, and permit of a more rapid succession of crops. In France, this new method is still in the experimental stage. We have made several tests, making careful notes, and give below the results.

We made our first trials with Lilac de Marly, wishing to obtain a good show of bloom in November and December, a period in which forcing is the most difficult. The first plants were placed in the greenhouse October 27, and consisted of equal portions of etherized plants, and others which had simply rested.

Before proceeding, we should describe the method by which we obtain at this season a decided rest for plants of the Marly lilac. About October 15, when the lilacs have their buds well formed, but still retain all their leaves, we dig up a certain number with the ball of earth and leave them in the open if the weather be dry; if it rains, place under a shed. In either case, all the leaves are left upon the branches. The equilibrium between leaf evaporation and root absorption being thus broken, the plants soon wilt, and in 48 hours, if exposed to the open air and sun, or at most in three or four days if under a shed, the bark begins to wrinkle. Now all the leaves must be cut off, leaving the stems, which are not easily removed. These plants are now stored seven to eight days in a dry place, then taken into the greenhouse for forcing, where they give excellent results.

For our experiments, we use a case seven feet long, which easily holds six clumps of lilacs; a larger case would be difficult to handle. This case, hermetically closed, is placed in the open air, in a temperature varying from 54° to 56° at night and from 59° to 63° by day. Following the opinion of Dr. Johannsen, we used 300 grammes of ether per cubic meter (or about 8 ozs., avoir., per cubic yard), and the duration of the process was 36 hours. The lilacs subjected to this first experiment had previously been treated to the enforced rest referred to above. The forcing process was conducted at a temperature of 72° to 77°. We noticed at once that the etherized plants had lost a portion of their buds, while those which had only been rested developed as perfectly as could be wished at this season. They bloomed November 25, doing very well indeed for plants simply rested before forcing, the etherized plants being a partial failure.

BEGONIA GLOIRE DE LORRAINE.
At Samuel Murray's, Kansas City, Mo.

Bearing in mind this first experiment, we made, 15 days later, a new etherization, reducing the quantity to about 6 ozs. per cubic yard, and the time to 24 hours. This time the buds did not suffer, and the vegetation was very good, although the time of blooming was not more than three days earlier than that of the rested, but non-etherized plants.

The third experiment was more interesting, the non-etherized plants having had but 12 days of rest, but without their foliage, which had just fallen when they were lifted. We thus placed in the greenhouse, on November 15, six clumps of Marly lilacs lifted with very large balls; then, December 2, six other plants, etherized for 24 hours, at 59° and at the rate of 6 ozs. of ether per cubic yard. The first lot did not bloom till December 27, and was very uneven. The etherized plants were in bloom December 28, and were as perfect as could be desired, thus accomplishing an advance of 18 days, with much better results and no drawbacks.

Fourth experiment.—On December 20, we placed 6 plants of Marly lilacs, having had 6 weeks of rest, and 6 plants etherized 36 hours, at the rate of 6 ozs. per cubic yard at a temperature of 77° F. On account of the inflammability of ether fumes, the cases must not be near the boilers, and we obtained this temperature by burying the case lightly in heated manure. We feared that the buds would be burned at this temperature, but the moisture set free so retarded the evaporation of the ether that it was hardly completed in 36 hours. This discovery demonstrates that etherization varies greatly in time according to the humidity or dryness of the atmosphere, and we consider this a most important element to take into account. The plants etherized in this manner bloomed perfectly on the fifteenth day of the forcing; those simply rested bloomed three days later and were also very fine. After January, etherization became entirely useless.

Fifth experiment.—On December 22,

two clumps of Lilac Charles X, which had been rested one month, were started, one had been etherized for 36 hours with 8 ozs. per cubic yard, at a temperature from 72° to 77°; the other had not. The development of the etherized plant was rapid and perfect; it seemed at first to have 10 or 12 days the start of its neighbor, but this difference decreased gradually, until the etherized plant was in full bloom January 26, and the non-etherized only six days later. Both developed all their buds perfectly, as well as a certain number of leaves.

We should add that these lilacs were forced slowly and in full light, conditions indispensable for good coloring.

We made no experiments with Charles X which were not rested, but the difference would be much greater. Pot-grown specimens also give good results, and it is by using these and etherizing them that the Germans succeed in forcing Charles X for Christmas and New Years.

Trials made with snowballs (Viburnum Opulus sterile) did not give so conclusive results as did the lilacs; with these, as with Azalea Mollis and Deutzia gracilis the advantage of etherization appeared very slight. We made also three tests of lily of the valley, but while the first growth was very rapid the blooming period was in no case hastened more than 48 hours.

We have drawn the following conclusions from the above experiments:

1.—Etherization assists greatly in the resting process, and enables the plants to be forced earlier and in a shorter time.

2.—Of all the shrubs, the lilac responds best to etherization.

3.—Etherization has no object except in use before January 1; after this time, its effects are slight. It is most useful in forcing the Marly lilac in October and November, and the Charles X, Trianon, Marie Legraye, etc., in December.

4.—The action of ether varies, according to its application to rested or non-rested plants; in the first case, it hastens the blooming period only a few days and does not increase its beauty, but in non-rested plants it reduces the forcing period by half and gives far better bloom.

5.—The quantity of ether to use cannot be arbitrarily given; at 60°, in a dry atmosphere, 3 to 4 ozs. per cubic yard is enough; in a moist atmosphere, up to 8 ozs. may be used with impunity.

6.—The duration of the process should correspond with the time necessary for a complete evaporation of the ether used; in the first instance above, 24 hours will do; in the second, 36 or even 48 hours. In a dry atmosphere, the temperature should not be over 60° to 65°, but if the air be moist, 70° to 77° is not too warm.

7.—The action of ether is felt most strongly at the beginning of the growth, and in theory a double etherization would be beneficial—but practically the young buds just developing cannot be subjected to this treatment. A case or a special room, may be used for this process—a room near the greenhouse heated by the general plant, seems to us the best.—Revue Horticole.

Prof. Zinno, who has made an exhaustive examination of the ashes cast out of Vesuvius in the recent outbreak, says that he has found them free from ingredients injurious to plant life, while containing matter helpful to the growth of grapes, grass and vegetables.—Revue Horticole.

To Be Done Now.

IN THE GREENHOUSES.

Maintain a restful temperature in the houses where palms and ferns are arranged, unless for any special purpose some are being forced.

Started in haste and thrown away at leisure is the story of more than a few plants every year.

When Mollis and Ghent azaleas are only to be forced once keep them moist at the roots at all times.

Finish giving new compost or repotting Cattleya labiata at once, before new roots form at the base of the bulbs.

At the turn of the year give the show and fancy pelargoniums a little more moisture, but nothing like a full supply as yet.

The old Bouvardia leianthe has nearly gone out of cultivation in most places, but for color and freedom of flowering it is very difficult to beat.

Frequent stirring of the surface soil where mignonette is growing, prevents the troublesome sleeping often observed in this plant in winter.

Begin feeding the roses planted in July if they have rooted and grown well. Once in two weeks is often enough to apply manure water at first.

Dry off poinsettias by degrees; never withhold water all at once, as the plants, especially young ones, cannot stand it.

IN THE STORE.

A few maidenhair ferns in pots are good property as they make a show in the windows, or may be used for cutting from.

Be very careful of the class of men sent to private houses for table and other decorative work, or a falling off in this department will soon be noted.

Always have a few freesias round the store when in season on account of their delicious perfume.

Palms, crotons and other plants with smooth foliage keep in health longer if regularly washed or sponged.

As the season advances great care in handling berried boughs is necessary or the berries drop.

Rose buds that are too tight for use may be hastened by standing in a warm place in hot water, sprinkling tepid water over them.

Endeavor in all decorative work to arrange something novel or original. Copy good work by all means but try to improve on it by some novel or distinctive feature of your own.

Good light in the window is an all important point. Very often at night, when the store is lit up, the window is in semi-darkness and it is difficult to see the flowers from outside.

OUTDOORS.

Push on with soil preparation at all spare times. Whenever a press of work comes it is well to have a good stock of soil ready for use.

Where the soil is poor on any part of the lawn give a thin top dressing of horse manure now. The litter will be a slight protection to the grass and the soil will be improved.

Look over the stock of tools and do all necessary repairs. Replace all broken or worn out with new ones to be ready when wanted.

Protect strawberry beds with a thin coat of litter or manure. This will all disappear by the time the plants are ready to fruit.

Ordinary cold will not injure echeverias unless the sun shines on them afterwards. Any rough shed does to store them in.

Any plants or trees arriving from a nursery in frosty weather must not be unpacked, but placed in the bundles or boxes in a frost proof shed and allowed to thaw out gradually.

Nothing is gained by planting large trees or shrubs for effect. Small specimens quickly take hold and soon catch up to the larger ones, that are bound to be checked more or less by removal.

Directly after a heavy fall of snow, take long sticks or rods and shake the

BEGONIA GLOIRE DE LORRAINE.

At Samuel Murray's, Kansas City, Mo.

E. C. Amling.
Financial Secretary Chicago Florists' Club.

accumulated snow from the branches of cedars and other conifers that are liable to be broken.

European Notes.

Rose Hiawatha is greatly in demand amongst British nurserymen. When first introduced it did not create a sensation. One of the first to recognize its merits was John Green, managing director of Hobbies, Ltd., Dereham, and he worked up a good stock, as did one or two others. It was not until May and June last when it was exhibited by Paul of Waltham Cross and Hobbies, Ltd., that it "caught on," now the public want it. Nurserymen who propagated it require all they have for their own retail customers, and amongst others who missed their opportunity the question goes round, "Can you tell me where I can buy Hiawatha?" Its long sprays of crimson flowers and prominent golden anthers last a very long time. If my memory does not fail me Hobbies exhibited the same plants in London last summer at successive shows, two weeks intervening, with the same trusses of flowers in full bloom. On the second occasion the flowers were of a much duller hue, but very few had dropped during the intervening period. As a decorative pot rose it has a great future and will sell well as a market plant.

Ghent horticulturists have subscribed to erect a statue to the memory of the late Comte Oswald de Kerchove, who for many years was looked up to as the leader in all matters pertaining to horticulture in Belgium. A fitting site for it has been found in the Casino gardens and no doubt horticulturists from many countries, on the occasion of the quinquennial exhibition in 1908, will visit the spot and pay respect to the memory of one who on former occasions gave them a cordial welcome and a hearty greeting to the Belgian Horticultural Society's exhibitions. The memorial will represent the Comte sitting, as if at work on one of his botanical books; around the pedestal numerous plants will be depicted.

Johannsen's process of applying ether to lilacs and other plants prior to forcing continues to make headway, although by no means rapidly. It is still very doubtful, in view of what can be accomplished by cold storage, if it will become commercially profitable. T. Jannoch, Dersingham, Eng., one of the first in Europe to erect etherizing chambers, has shown considerable enterprise in successfully surmounting all the difficulties connected with the process. He has experimented with many varieties of plants in numerous ways and although obtaining good results from lilacs and other subjects he still continues his investigations and experiments with a view to further perfecting the process. Herr Weisbach, Lambegart, Germany, also forces etherized lilacs, flowering them in from 16 to 22 days. He recommends that owing to the disposition of ether to sink rapidly to the ground level, that the chamber should be greater in width than in height and that plants should be laid therein on their sides in tiers; in this manner they occupy less space than when stood erect.

H. N. Bruns.
President-elect Chicago Florists' Club.

J. Cheal & Sons, the well-known nurserymen and landscape gardeners, Crawley, Sussex, have opened a London office in close proximity to the Houses of Parliament. They have just issued a well-printed and beautifully illustrated booklet entitled "Garden Making." J. Cheal has traveled much in Europe and carried out a number of important landscape contracts, and a few years ago visited many of the leading American parks and gardens.

Nurserymen generally are not complaining about bad trade, many of them having exceedingly good orders in hand. If they complain at all it is because they want more. Trade is exceptionally good in most of the leading British industries and capitalists have money to spare; the complaint is that more is spent in motoring for pleasure than in gardening.

BEE.

LEXINGTON, MASS.—Edward Wood has been cutting sweet peas since the middle of November.

Chicago Florists' Club.

There was a fairly good attendance at the last meeting of the Florists' Club, December 13. Harry Papworth, New Orleans, La., and Harry Bunyard, New York, were visitors. There were two proposals for membership, John Evart, 255 Des Moines avenue, and Jos. Marts, Randolph street. Reports were then received from various committees and the officers whose terms had expired. Treasurer Sanders' report showed a substantial balance on hand and it was stated that the various funds raised in aid of the widow and family of the late Jas. Hartshorne would amount to nearly $1,000.

The following were elected officers for the ensuing term: H. N. Bruns, president; Leonard Kill, vice-president; Edgar Sanders, treasurer (by rising vote); Phil Schupp, recording secretary; E. C. Amling, financial secretary; F. F. Benthey, J. F. Klimmer, C. H. Fiske, August Poehlmann and Geo. Asmus, trustees.

H. N. Bruns.

PRESIDENT CHICAGO FLORISTS' CLUB.

The busiest men are often the most useful to our various institutions, lending their time and attention where it does the most good to the greatest number. H. N. Bruns has been one of the most active and regular members of the Chicago Florists' Club, and now that the club has elected him its president he will doubtless take if possible a still greater interest in its welfare.

Mr. Bruns, who has resided in Chicago some 14 years, is a native of Germany, having been born near Hamburg in 1869. From his earliest years he has been closely connected with the culture of the lily of the valley and his knowledge of this in all its phases is probably unique. Beginning at the age of 14 he was employed in several of the more important establishments in Germany, afterwards serving some time in the French capital. Doubtless much of his cultural experience was gained while employed by E. Neubert, Wandsbek,

Philip Schupp.
Secretary Chicago Florists' Club.

Germany, this being one of the important lily of the valley farms in that district. We also find him at the establishment of Alvin Richter, Dresden, Saxony, and in Paris he gained experience in the culture of orchids, azaleas and other plants under Leon Duval.

Soon after coming to this country he was attracted to Chicago, this being about the time of the world's fair, and having become "acquaint," as the Scotch say, or located, he began to cast about for a start in business for himself. His first venture was the leasing of his former premises on West Van Buren street, and, as was to be expected, he soon made the lily of the valley his specialty. He moved some years later to his present location at 1409 West Madison street, and from that time on his progress was rapid. The secret of his success is doubtless in great measure due to the expert knowledge he possesses of the plants he handles, coupled with the fact that only the finest quality goods finds a place with him. His brother is still in Germany and is a large cultivator of lily of the valley. From him Mr. Bruns obtains a considerable portion of his stock, and between them they are able to largely control the lily of the valley interest in that neighborhood, where it is very largely grown.

Quite recently we gave particulars of the large quantities of the stock he handles, and it is unnecessary for us to again enlarge upon that, further than to say that it is now, as always, in the pink of condition. Mr. Bruns is quite a family man, a Mason and a Shriner, his family consisting of Mrs. Bruns and three children, two boys and a girl. He enters on his duties as president of the local club with the best wishes of all who know him socially or in business.

OBITUARY.

Alfred F. Conard.

Alfred F. Conard, aged 72, senior member of the well known firm of Conard & Jones, West Grove, Pa., died at his late residence there November 15, and was buried the following Tuesday in the cemetery of the old West Grove quaker meeting house. He had no children and is survived only by his wife, Lydia. Mr. Conard was born and lived all his life in Chester county near his late residence. He belonged to one of the oldest and best known quaker families of that part of the country. He was a man of very quiet and austere habits and always applied himself most diligently to his business, for which he had a very strong attachment.

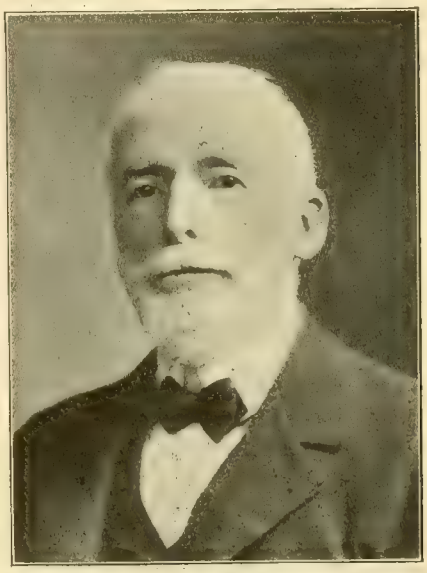
Mr. Conard was the junior member of the firm of Dingee & Conard Co. until 20 years ago, when he severed his connection with that firm, and started in business of a similar character for himself, issuing a catalogue and having the plants he offered grown at Chambersburg, Pa., while the seed and bulb department was still conducted at his West Grove office. A few years ago he formed the Conard & Jones Co., taking in partnership Simon Jones, and purchasing the greenhouse of Antoine Wintzer, who joined the company.

The firm quickly increased its business and added many houses to its establishment from year to year, and is today a conspicuous factor in the mail order business, while enjoying a fast increasing wholesale trade chiefly in roses and cannas, the firm having originated and disseminated many valuable varieties of the latter.

James Vick.

James Vick, son of the late James Vick, Rochester, N. Y., died in Philadelphia, Pa., December 3. Mr. Vick had not for years enjoyed robust health and although he had been seriously ill for some time his death was sudden and unexpected.

Mr. Vick was born May 7, 1849, and when only a lad, about seven or eight years old, assisted his father in packing seeds, making the bags for same, etc., and continued in the business until 1899, when he withdrew to publish Vick's Magazine. A few years later he disposed of the magazine and moved to Philadelphia and entered the employ of the Landreth Seed Co. Later he became interested in real estate.



The Late Alfred F. Conard.

In 1888 Mr. Vick was instrumental in securing a reduction of the postage on seeds from 16 cents to 8 cents per pound, making the fight alone at first, and later as the representative of a number of other American seed houses. The writer can well remember how his firm threatened to ship packages addressed to customers in all parts of the United States to Niagara, Ont., and there post them with Canadian postage, which was 8 cents, unless the United States postage was reduced. This was eventually done, and for a long time all the firm's mail was sent in this way until stopped by the postoffice authorities, when Mr. Vick secured an injunction against them for holding the mail and the Canadian mailing was again continued until the reduction of postage to 8 cents was secured.

Mr. Vick leaves a wife, Lucy Phillips Vick, two sons, James, of Rochester, and Albert, of New York; three daughters, Margaret, Ethel and Dorothy, of Philadelphia; three brothers, Frank H. and E. C., of New York, and Chas. H., of James Vick's Sons, Rochester, two sisters, Mrs. H. K. White, of New York, and Mrs. R. S. Wagle, of Rochester.

Albert Woltewaite.

The trade was much shocked by the death of Albert Woltewaite of Germantown, Pa., which occurred Monday morning, December 17, from heart trouble. He was 51 years of age, a hearty robust looking man, an earnest and untiring worker, thoroughly in love with his business. He had been actively engaged getting ready for the holiday trade all of the week previous with apparently no thought of sickness, and on Monday morning was found dead in a room at the rear of his store, where he had apparently laid down for a nap.

His business was established by his father about 60 years ago and carried on at his death by Mr. Woltewaite successfully for the past 25 years. It was an interesting place to visit as many things were grown not usually found on commercial places. Mr. Woltewaite was of a genial disposition and had many friends in the trade. He leaves a wife, but no children.

K.

John Winship.

John Winship died on Saturday, December 15, of old age, having rounded out his eighty-seventh year about six months ago. He was born at Newcastle-on-Tyne and came to this country when 40 years of age. His first position was with John Dick, where he at once made his mark with the splendid geraniums that grew under his care. He occupied several important positions and about 14 years ago was engaged by Robt. Craig to take charge of his cyclamens and other special plants. His cyclamens and begonias were for some years away the best in the country. He was a most skillful gardener and plantsman and much liked by his fellow employes.

K.

George H. Lamberson.

The death occurred December 4 of Geo. H. Lamberson at his residence 553 Broadway, Portland, Ore. Mr. Lamberson was secretary of the State Board of Horticulture and a native of New York. He had lived in Oregon 30 years and was 53 years of age. Cancer was the cause of death after a lingering illness and deceased leaves a widow and three children.

Edward Hunt.

Edward Hunt who died December 8 of pneumonia at his daughter's home at 123 Peshine avenue Newark, N. J., was a native of Southampton, England. He came to this country when 30 years of age, ariving in New York and settling in Newark two years later Since then he has carried on the business of florist and landscape gardener.

Orlando G. Cooper.

Pneumonia was the cause of the death of this veteran horticulturist, which took place at his home, 2200 Dean avenue, Spokane, Wash., December 6. His last illness was of short duration. Deceased was 71 years of age and leaves a widow and one daughter.

HIGHLAND, ILL.—Fred E. Hollard opened his new store in the Mosiman building November 21.

St. Louis.

SUPPLY AND DEMAND LIGHT.

The market this week may be considered as fair. There was no abundance of stock, and it is well there was not, as there was but little demand. A few private balls and other social events and a little funeral work formed the only outlet for the sale of flowers. Transient trade was dull. Carnations brought $2 to $3 and a few extra fancy reached $4. Roses have been coming in off color, especially pink. American Beauty also comes in off color, especially the shorts, which in many instances were shapeless and deformed buds. It is to be hoped that next week, being holiday week, flowers will arrive daily and that the growers will not pickle the stock, but will continue to ship daily and take advantage of daily demand, thus securing better average prices. Holly is this year in many instances poor, the foliage black, showing evidence of having been frozen. Mistletoe will arrive in bulk about December 20.

CLUB MEETING.

The Florists' Club held its meeting at Strasberger hall December 13. Prof. Irish presided, about 20 members being present. This was the last meeting to be held at the above hall. The next meeting will take place in the hall in the Burlington building on Olive street. Secretary J. J. Beneke announced that over $2,500 have been subscribed to the guarantee fund for the flower show to be held in 1907. Mr. Beneke expects to have over $7,000 by the first of the year, which should insure a successful exhibition.

NOTES.

City Forester Andrew Meyer is mailing letters to property owners on the subject of tree planting. The work will not be confined to any section of the city, but will be in localities where the forester believes that trees are desired along the streets. The law provides that where property owners for three blocks desire any particular kind of tree for planting they will be permitted to select the same within a certain time. If at the end of that time the selection is not made, it rests with the city to determine the kind of tree to be planted.

Edw. L. Loyet was very busy last week. He had a large birthday order for several dozens of red carnations. He also had a large trade in violets.

Philip Goebel, of Kirkwood, is bringing in some fine Enchantress carnations. He intends to build a new carnation house in the spring.

C. Young & Sons were busy during the past week with decorations and funeral work. They have a fine display of holiday goods.

The Schoenle Floral Co. is well stocked with orders for Christmas and they are working hard at preparations for the rush.

Wm. Kalisch & Sons, the Delmar avenue florists, have their greenhouses and store rooms well stocked with plants.

J. E. Johnson, formerly with Miss M. S. Newman and M. M. Ayers, is now with Edw. L. Loyet.

Geo. Reuter is very busy with his green and holly. George was up north gathering lycopodium.

The Ellison Floral Co. had some very elaborate decorations at various social events the past week.

Alex. Siegel was very busy with funeral and violet orders last Thursday and Sunday.

W. H. Kruse was very busy the past week. He is well stocked with orders for Christmas.

Miss Lena Carroll, formerly with Edw. L. Loyet, is now with the Eggeling Floral Co.

F. C. Weber has a most beautiful window decoration of poinsettias and azaleas.

Fred Foster has a very elaborate window decoration on Olive street.

W. F.

Baltimore.

ABNORMAL WEATHER.

The weather continues abnormal, the past week having many light showers, some frosty mornings and evenings, but the day temperature up almost to summer averages. Trade continues good and cut flowers are in moderate supply, although some days there has been a scarcity of carnations and greens. Indications point to an active Christmas business and the stores are full of bright and lovely things, the decorators vieing with each other in making their windows attractive to the throngs of shoppers. The newly introduced styles of baskets for cut flowers with concealed tins to hold water so that they need no re-arrangement by the recipients, who often lack taste in doing this, have proved a great success and left the old-time boxes of blossoms quite a thing of the past. Again the poinsettia promises to be the popular flower of the holiday season. They are not only in request for house and table decoration, but are largely used in the churches. This year the superb new altar of the cathedral, one of the most venerable and imposing church structures here, will be dressed exclusively with these gorgeous flowers, of which from present appearances, there seems hardly enough to go around. One of our Sunday papers last week in an article calculating the cost of a society wedding in this city estimates as the florists' item of expense, $100 for church decorations, $10 for bride's lily of the valley and $25 for five smaller bunches of same for her attendants. This certainly is not excessive, but probably less than the average figures for these items of a fashionable church wedding, but it is in contrast with an outfit which Mr. Perry, of the Florists' Exchange, tells about furnishing when he began business in a small retail way. It ran thus: Boutonniere for groom, 5 cents; spray for bride, 5 cents; ditto for her attendant, 5 cents—total, 15 cents.

NOTES.

Samuel Feast & Sons are occupying their new store in the 400 block of North Charles St., and have a handsome Christmas effect in the large and well-arranged window.

Thomas Vincent, reported very ill, is said to be improving.

S. B.

HAVERHILL, MASS.—H. J. Horne, who was accidentally shot recently, is recovering slowly after the operation performed November 24, by Drs. Benson and Pitcher. It is said he was shot by a stray bullet while he was working in Groveland. Just previously two men with dogs and guns were seen close by and it is thought that the bullet must have been fired by one of these.

Kansas City.

MARKET IN GOOD CONDITION.

This writing probably finds the market in better condition, and supplied with a better grade of stock than at any previous Christmas in our history. A change in the temperature in the early part of the week proved of much benefit to stock in general. Roses, in particular, had begun to show the bad effect of the warm weather of the week previous. Bride and Bridesmaid are excellent. American Beauty is good except in color. Carnations are at their best. Enchantress is in perfection and meets with a good demand. Taking everything into consideration, Enchantress is without a doubt the leading carnation of modern times. Suited for all round purposes, it never fails to meet a good, healthy demand. From a money making standpoint it has no equal. Narcissus of fairly good quality, is on the market. Stevia is plentiful. Violets fail to arrive in anything like sufficient quantities, but the quality of those at hand is good. Fine lilies were seen in one store last week. Other stock to date consists of cattleyas, lily of the valley and Roman hyacinths. Christmas greens are plentiful, and in fine condition.

NOTES.

The home of G. L. Holsinger, of Rosedale, Kans., was entered recently by thieves who carried away many valuable articles, including a quantity of silverware which Mr. Holsinger had prepared to place in safe deposit next day.

Kent Atkins, from Stuppy's, St. Joseph, Mo., was among last week's visitors. His visit to the city recalled early days when flower stores were very few. At that time Mr. Atkins conducted the only flower store in Kansas City.

Mrs. Lord, from Topeka, was in the city recently purchasing Christmas supplies. "Conditions are favorable for a big trade," declared Mrs. Lord. Wholesalers report unusually heavy booking in Christmas cut flower orders.

William Bastin has recently opened a retail flower store at the former location of Lawrence Schwager at Thirteenth street and Grand avenue.

The buildings on Walnut street occupied by the Kansas City Floral Co. are soon to be torn down to make room for another sky scraper.

A Walnut street retailer, through last week's papers, offered as specialties holly and evergreens "fresh from our greenhouses every day."

The conservatories of Samuel Murray were a grand sight last week, his annual showing of Begonia Gloire de Lorraine being in evidence.

The Rock Flower Co. reports many dinners, receptions and other social affairs during the past week.

D. Freudenthal, of Twelfth street, had a nice showing of chrysanthemum Timothy Eaton last week.

The Alpha Floral Co. inaugurated their new location with a big fern sale December 8.

Denham Kelley, of Kearny, Mo., was in the city recently.

K. C.

LONG BRANCH, N. J.—W. G. Eisle was recommended as local exhorter at the last conference at St. Luke's M. E. church by Dr. Handley, and he is to be licensed.

THE AMERICAN FLORIST

TWENTY-SECOND YEAR.

Subscription, $1.00 a year. To Europe, $2.00
Subscriptions accepted only from those in the trade.

Advertisements, on all except cover pages, 10 Cents a Line Agate: $1 00 per inch. Cash with Order.

No Special Position Guaranteed.

Discounts are allowed **only on consecutive insertions**, as follows—6 times, 5 per cent: 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent.

Space on front pages and back cover page sold only on yearly contract at $1.00 per inch, net.

The AMERICAN FLORIST Advertising Department is for florists, seedsmen and nurserymen and dealers in wares pertaining to those lines only.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Monday to secure insertion in the issue of the same week. Address

AMERICAN FLORIST CO., Chicago.

When sending us change of address always send the old address at the same time.

We do not assume any responsibility for the opinions of correspondents.

THIS ISSUE 48 PAGES WITH COVER.

CONTENTS.

Suggestions for florists.....1047
—Shasta daisies and gaillardias...1047
—Daffodils 1047
—Vincas 1047
—Easter lilies 1048
The carnation 1048
—American Carnation Society.....1048
—Propagating carnations 1049
—Carnations in England.....1049
With the growers.....1049
—Vaughan's, Western Springs, Ill. (illus.) 1049
—The Geo. Wittbold Co., Chicago..1050
Begonia Gloire de Lorraine (illus.).1051
The action of ether in forcing plants 1051
European notes 1053
Chicago Florists' Club (illus.)....1053
—H. N. Bruns (portrait).....1053
Obituary 1054
—Alfred F. Conard (portrait)....1054
—James Vick 1054
—Albert Woltewaite 1054
—John Winship 1054
—Geo. H. Lamberson.....1054
—Edward Hunt 1054
—Orlando G. Cooper.....1054
St. Louis 1055
Baltimore 1055
Kansas City 1055
Important to subscribers.....1056
Yuletide 1056
Society of American Florists.....1056
Greenhouse glass and present tariff 1056
Buffalo 1056
Christmas plants in Philadelphia.....1057
News notes 1058
Chicago 1061
Philadelphia 1062
Boston 1062
New York 1064
Washington 1064
Pittsburg 1064
The seed trade.....1068
—European notes 1068
—Snow in California.....1068
—Prices of indoor vegetables.....1068
—As to free seeds.....1068
Milwaukee 1068
The nursery trade.....1070
Minneapolis 1070
Lexington, Mo. 1070
Utica, N. Y.....1070
Albany, N. Y.....1070
Lynchburg, Va. 1072
Lenox, Mass. 1072
Syracuse, N. Y.....1074
Newport, R. I.....1077

THE date of next Easter is March 31, two weeks earlier than Easter of the present year.

SEVERAL recently patented inventions for use on the land are noted in the current number of the Scientific American, among them being an improved potato plow, subsoil plow and a clod breaker. A new seeding device, to do away with the troublesome clutch now used is also noted.

THE Scientific American gives an interesting account of the manufacture of machine-made window glass in its issue of December 1.

WE are in receipt of the report of the twenty-second annual convention of the Society of American Florists, held at Dayton, O., last August.

OUR readers will confer a favor by sending us reports of the holiday trade in various sections, with such general trade news as may occur to them.

CARNATION ST. LOUIS was given an award of merit by the Royal Horticultural Society (Eng.), October 23. It was exhibited by Cutbush & Son of London.

ON account of the holidays which occur during the next two weeks, advertisers and correspondents will confer a favor by sending in copy as early as possible.

BUYERS and growers should note that in most cases Christmas prices of cut flowers do not go into effect until December 20, the day after we go to press this week.

CARNATION MAUVINA was figured in the Gardening World, December 8, from flowers supplied by Hugh Low & Co., of Bush Hill, Enfield. It is described as the nearest approach to mauve in color.

Important To Subscribers.

The date on the yellow address label on your copy of THE AMERICAN FLORIST will show when your subscription expires. Please renew subscription promptly on expiration to make certain of receiving your copy of each issue.

Yuletide.

By sending THE AMERICAN FLORIST to your employes every week of next year they will be given a weekly reminder of you and it will make a most appropriate and useful gift if sent to their home addresses. In many ways it will be a good investment. Send us their names and addresses now, enclosing one dollar for each subscription and we will start with our grand Christmas number and continue sending the paper every week of 1907.

Society of American Florists.

Secretary-elect P. J. Hauswirth has tendered to President Kasting his resignation as a director of the Society of American Florists, and same has been accepted. President Kasting has appointed Theodore Wirth of Minneapolis to serve as a director for Mr. Hauswirth's unexpired term of two years.

DEPARTMENT OF PLANT REGISTRATION.

Central Park Nursery, Topeka, Kansas, submits for registration Canna Magnificent. Foliage green; bloom rich scarlet of extraordinary size; height 4 feet.

WM. J. STEWART, Sec'y.

Greenhouse Glass and Present Tariff.

The printed report of the proceedings of the twenty-second annual convention of the Society of American Florists, held at Dayton, O., last August, is now out and for the benefit of those who were not present at the meeting, they will find on pages 78 to 85, the action which was taken upon the discussion of President Kasting's address, relative to the cost of glass for greenhouse work.

It will be noticed in that report that it was suggested that the first step for practical results would be to find from the committee of ways and means, what was likely to come up. The Hon. Butler Ames, one of the Massachusetts congressmen, stands as a leader and member in favor of tariff revision, and in reply to a letter addressed to him, as to what action would be likely to be taken upon revision by those who favored such course, he makes his reply as follows:

House of Representatives, Washington, D. C., December 8, 1906.

To BENJAMIN HAMMOND, Fishkill-on-Hudson, N. Y.

Congressman Ames wished me to acknowledge receipt of your letter of December 6, with its enclosures in reference to the proposed revision of the tariff, and to say in reply that this matter has not yet reached a point where the majority of this congress have indicated that they are favorable to a revision.

J. A. LEGARE, Sec'y.

It will thus be seen from the letter received from the chairman of the committee of ways and means of the house of representatives, already published, and the letter above, that there is no expectation of any real work being done at the present session of congress. What may develop during the winter, which will lead up to an extra session next year, remains yet to be seen, but there is no doubt but that if the florists as a body will stand together, their collective influence would have much weight.

BENJAMIN HAMMOND.

Buffalo.

Business the past week has been very good. Advance orders for Christmas are coming in very fast. The demand for wreaths and bells so far is good. Holly is on sale on every corner, but does not hurt the sale in the stores, as the way the ones on the corners are made is very inferior. The supply of poinsettias and other plants is much in evidence. Holly is not handled this year as extensively as heretofore, owing to its poor quality.

NOTES.

The sage of Corfu called last week. He was in town buying presents for his numerous grandchildren and expects to attend the Florists' Club election should president call a meeting for that purpose.

The retailers on the Washington Market are looking forward to a good trade. About all that is wanted now is good, cold weather, with a preference for sleighing.

Chas. Sandiford, of J. J. Albright's, has a fine lot of carnations in for Christmas. That fine place always has some choice flower in bloom at all times.

H. Keitsch & Sons have completed the alterations in their store. It is now one of the handsomest in town.

W. H. Grever, manufacturer of the Ever Ready pot covers, has had a big sale of them.

S. A. Anderson has a fine lot of Begonia Gloire de Lorraine and cyclamens.

The retailers have very attractive windows at present.

Visitors: E. A. Butler, Niagara Falls; D. J. Scott, Corfu, N. Y.

BISON.

Christmas Plants in Philadelphia.

A look among the growers of plants for the holiday trade finds them well prepared for the regular demand expected and also ready for the new customers with an extra supply and a novelty or two, although new things of merit are always scarce and often those that look promising develop features that make them unprofitable and are soon discarded.

At the Robt. Craig Co.'s establishment is offered a splendid stock of azaleas, very well budded and appearing to be timed just right for Christmas. The two houses of dwarf oranges are a grand sight. Nothing in this line was ever done better. A fine lot of cyclamens is also seen. Poinsettias in pans with ferns and asparagus are a feature, a large house being filled with them. There is a large and varied assortment of the different Boston ferns, Nephrolepis Whitmani, N. Barrowsii and N. Scottii, in all sizes. These are very well grown plants, many of them being finished in stands. Dracæna terminalis, well colored, and crotons, the best varieties, in single and made-up plants, are here in quantity. Their brilliant foliage makes a great addition to the Christmas stock. The novelty par excellence is, however, the Violin Rubber, Ficus pandurata. The brilliant luster of the broad, dark green leaves veined as they are so beautifully with a lighter shade of green, is irresistible. As grown by Mr. Craig it is a great seller. Cuttings are taken from strong growing shoots with broad leaves which give the plants a good base to start from and which in a short time are ready for sale. Florists who have not seen this plant should get busy immediately, as it will be a great seller for the next few years.

W. K. Harris is strong with Begonia Gloire de Lorraine, the light pink kind that holds its flowers. A large house of this is here in various sizes. Azaleas are also offered in quantity, very well flowered plants. A new one near the Simon Mardner color, but opening more regularly and holding its flowers better, is much liked, as it forces very easily for Christmas. A house is given up to that scarce plant, the African violet, Saintpaulia ionantha. This is a very pretty blue flower which much resembles a violet in color and shape.

A house of very well grown cyclamens is seen here which will be at their best about January. Combination plants, made up with ferns, crotons and dracænas, are very attractive and good sellers. A house of imported holly is very suggestive of the season, loaded heavily as it is with berries. A house of fancy evergreens and box trees contains a large assortment of sizes, many of them very fine specimens. All the Boston ferns are here, many of them on pedestals making very shapely plants. A house of Jerusalem cherries contains shapely plants with plenty of good foliage and berries. In foliage plants a house of very well colored Pandanus Veitchii is a leader, with crotons, well colored dracænas and some nice araucarias. New hybrid begonias are also seen here bearing large single, semi-double and double flowers of brilliant shades of scarlet. These are most showy and if they will hold their blossoms in the stores and afterward in the house they will be a great addition to our winter flowering plants.

Jacob Becker has two houses of azaleas that are as fine as the best in the market. They could not be done better at Easter. There is a good variety of colors, including the new deep pink Mrs. Patrick.

Godfrey Aschmann has a fine lot of foliage and flowering plants. Begonia Gloire de Lorraine, primulas and azaleas, in fine shape for Christmas, are selling fast. His Nephrolepis Barrowsii, N. Scottii and other Boston ferns are very salable, while his stock of araucarias, which are a specialty with him, are up to his high standard.

At the Westcott Nurseries, Begonia Gloire de Lorraine, calla lilies, poinsettias, Jerusalem cherries and stevia are leaders. The stock this season is up to the usual standard and selling well.

The H. A. Dreer Co. is doing a large business in ferns, having a choice lot of Nephrolepis Scottii and other varieties in good shape for Christmas selling. A house of Adiantum Farleyense looks well and small ferns in assortment for dishes are going out daily by the thousand. Boxwoods and bays are seen here in elegant assortment, a really splendid lot of plants.

The Hugh Graham Co. offers poinsettias in quantities, very well flowered. They are also well stocked with boxwoods and bays in the most popular sizes. All the growers seem pleased with the orders taken and think that nearly everything salable will be moved.

K.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

Cash with Adv.

Plant Advs. NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1906 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—As working foreman or grower on roses: have years of experience with the best of Chicago growers; good propagator. Address Key 856, care American Florist.

Situation Wanted—By all-around florist; first-class references; married; 20 years' experience on private and commercial places. State particulars and wages in first letter. Address Key 853, care American Florist.

Situation Wanted—As foreman by a practical grower of roses, carnations, 'mums, etc., capable managing a large plant and having the work done in a scientific way; first-clasf references. Address Key 857, care American Florist.

Situation Wanted—By a bustling, up-to date grower as foreman or assistant; roses and carnations a specialty; 16 years' experience, 31 years of age, single; best of references furnished; good wages expected. Would like a place west of Missouri. Address Key 851, care American Florist.

Situation Wanted—As foreman or section, by an all-around sober, steady florist, not afraid of work; 26 years' experience in growing and forcing roses, carnations, 'mums, violets, general pot plants, vegetable, landscape gardening, etc.; German, 40 years of age, married; good references. E. G., 51 Second St., Bristol, Tenn.-Va.

Help Wanted—Experienced man by retail florist. Must know how to make up funeral work and wait on store; age, 25 to 35. Address CHAS. H. FOX, 21st St. and Columbia Ave., Philadelpeia, Pa.

Help Wanted—General greenhouse man to take charge of a department; force bulbs, azaleas, grow ferns and a general line of pot plants for retail trade; man between 30 and 40 preferred; must be sober; steady position; wages, $12 per week. IOWA SEED CO. GREENHOUSES, 30th & Kingman Blvd., Des Moines, Ia.

Help Wanted—Carnation grower; must be a No. 1 man, strictly sober and reliable; wages $30 per month with board and washing; state experience and references. Address Key 844, care American Florist.

Help Wanted—At once, a sober, reliable young man who is a good manager of help and understands planting trees, vines, shrubs, and bedding; good wages and steady position to right party. Address JNO. A. PORTER, Supt. Bibb Mfg. Co., Porterdale, Ga.

Wanted to Rent—About 15,000 sq. ft. of glass near Philadelphia, Pa.; must be in good repair. Will take place in spring. Address EMIL WOHLERT, Bala, Pa.

Wanted—A top florists' delivery wagon for one horse. Address, with price HAZELWOOD GREENHOUSES, Grinnell, Iowa.

Wanted—Applications of reliable and capable men as salesmen, decorators, or designers, or assistants thereto. A. W. SMITH, 345 Sixth Ave., Pittsburg, Pa.

For Sale—Nine greenhouses, dwelling house and barn, 3½ acres of ground. For particulars address P. O. Box 109, Newtown, Bucks Co., Pa.

For Sale—A1 down-town retail store for sale; established 10 years; bargain. Enquire VAUGHAN & SPERRY, 60 Wabash Ave., Chicago.

For Sale—A No. 686 McCray refrigerator, good as new, for flowers. Going out of business. Cheap. Address SALVESON & CO., 426 E. Monroe St., Springfield, Ill.

For Sale—Ice box, used four months, 16 ft. long, 7 ft. wide, 8½ ft. high; accomodations for a commercial or wholesale florist. Will sell at a sacrifice. Address CHAS. MILLANG, 50 West 29th St., New York.

For Sale—4,000 feet of glass; thriving town of 4,000; 24 express trains daily. No competition; 50 miles from large greenhouses. New; bargain; easy terms. Investigate immediately. Address Key 858, care American Florist.

For Sale—Retail florist business in Washington, D. C. established seven years; good chance for hustler; owner wishes to retire from business. For full particulars address RETAIL, care American Florist, 1133 Broadway, New York.

For Sale—All the glass 10x12 double strength A, on five houses, each 20 ft. by 115 ft., for $500 as it stands. Will include sash bars and doors. Also two Kroeschell hot water boilers; one steam boiler, 20 H. P., used three months, dirt cheap. BRANT & NOE FLORAL CO., W. Peterson and N. 48th Aves., Chicago.

FOR SALE.

Old established retail florist's store. Reason for selling, going west. For particulars, write to **F. K., 700 N. 5th St., Philadelphia, Pa**

FOR SALE—Greenhouse Pipe

4-in. boiler tubes, second-hand, in fine condition, absolutely free from scale and with ends cut square. Sample and prices on application. KROESCHELL BROS. CO., 45 Erie St., Chicago.

FOR SALE.

COLORADO SPRINGS, COLO.

Wholesale and retail business, well located, 34 greenhouses, 13 acres of land, 4 boilers, 16-60; 2 dwellings. For terms address **WM. CLARK.**

FOR SALE.

Des Moines, Iowa, wholesale and retai greenhouse establishment, 29,000 feet o glass, three acres of ground, well located, al in good order, with good wholesale and retai trade. Price, about $8,400; terms reasonable

VAUGHAN'S SEED STORE

CHICAGO.

AMERICAN FLORIST ADS	Always do business Week days and every day Sundays and holidays All over the country At home and abroad

Azaleas For Forcing

We can still furnish a fine lot of well budded plants at import prices for immediate delivery. We offer a full assortment of standard varieties.

	Per doz.	Per 100		Per doz.	Per 100
8 to 10-inch crowns	$3.25	$25.00	12 to 14-inch crowns	$ 6.00	$45.00
10 to 12-inch crowns	4.50	35.00	14 to 16-inch crowns	7.00	55.00
			16 to 18-inch crowns	12.00	90.00

A fine lot of plants of exceptionally good value in the following varieties, 18 inches in diameter, at $18.00 per doz.:

Bernard Andre Alba — **De Schryveriana** — **Emperor of Brazil**
Deutsche Perle — **Simon Mardner** — **Niobe**
Empress of India — **Mme. Van der Cruyssen** — **Apollo**

A nice lot of specimen plants, 18 to 20 inches in diameter, at $2.00 each:

Mme. Camille Van Langenhove — **Emperor of India** — **Simon Mardner**
Niobe — **Bernard Andre Alba** — **Mme. Van der Cruyssen**

A grand lot of specimen plants of **Mme. Van der Cruyssen,** 20 to 22 inches in diameter at $2.50 each.

HENRY A. DREER

714 Chestnut St., PHILADELPHIA, PA.

Chrysanthemums, Roses, Beauties, Carnations, Lilies, Lilies of the Valley, Violets, Asparagus and Smilax.

All orders receive prompt and personal attention. Trial orders solicited.

HENRY M. ROBINSON & CO.

WHOLESALE FLORIST. . .

TELEPHONES: 2617 and 2618 Main.

11-15 Province St., 9 Chapman Place, BOSTON, MASS.

NEWS NOTES.

LEBANON, O.—Dr. J. Q. Mulford has about finished a new greenhouse 17x100 feet.

PHILADELPHIA, PA.—Geo. Young, of Wissinoming, has added another greenhouse to his plant.

JACKSON, MICH.—The Fuller Floral Co. intends to open a down-town store, and it will be located in the Foster block.

SHELBURNE, VT.—The new potting shed at Shelburne Farms greenhouse is completed and is a great improvement on the old one.

WALTHAM, MASS.—R. L. Goinsalvos opened his new salesroom, at 100 Chestnut street, December 8, each visitor being presented with a flower.

PASSAIC, N. J.—F. McCollon, formerly with a New York firm, is now with W. E. MacAllister & Co., 157 Main avenue, "the oldest floral shop in Passaic."

SIBLEY, IA.—A. R. Redshow is about to build a greenhouse and enter upon a general florist business here. He is confident of success, owing to the fine railway facilities and the demands of surrounding towns.

BIRMINGHAM, ALA.—The Nunally Co., proprietors of the Woodlawn greenhouses, Atlanta, Ga., have opened a candy and florist store on Ivy street. The flowers will be shipped from the greenhouses in Atlanta daily.

PITTSBURG, PA. — Geo. W. Beears has fitted up and opened recently a store at 53 South Seventh street. He has been in business in this city 15 years.

GLENS FALLS, N. Y.—Walter L. Mead has installed a Lord & Burnham heating system and generally remodeled his greenhouse on Notre Dame street, where he intends carrying on a general florist business. He will be assisted by Le Roy Fleming.

DALLAS, TEX.—The Green Floral and Nursery Co. is making arrangements for doubling the capacity of its greenhouses, which are located east of here on the Kaufman road. This represents a very large investment and will make the plant equal in equipment to any in the country.

NEWBURGH, N. Y.—The Dutchess County Horticultural Society are over $300 out of pocket on their recent flower show, but the members are loyal flower lovers and confident of ultimate success, so another show is to be held next year, and just as long as the public take any interest in them.

NEW YORK.—Richard A. Slowane, a veteran gardener of 94, advertises his body after death for $50, the price to be paid before his decease. The old man served in the civil war and, in spite of his advanced age, points with pride to records of fine produce grown by him in quite recent years. The reason for his somewhat unusual action is, that his wife shall benefit by the purchase money after he is gone.

RICE BROTHERS

WHOLESALE 113 N. 6th St.,

SHIPPERS of home grown Cut Flowers, comprising the newest varieties of blooms. Full line of supplies and decorative greens. Trial order solicited. Weekly price list issued.

MINNEAPOLIS, MINN.

CHICO, CAL.—E. Goucher has been transferred from the position of head gardener at the National Plant Introduction Garden here to Washington, D. C., where he will continue in the service of the department. Ill health led Mr. Goucher to seek this change though he has been here practically since the commencement of operations.

GENEVA, N. Y.—William Smith has offered to give to Hobart college something over $500,000, on condition that a woman's college is established in connection with this institution. Mr. Smith is well known for his philanthropy, and as he has purchased property opposite the campus it would seem his proposition has been accepted.

HUNTINGTON, N. Y.—A regular meeting of the Huntington Horticultural and Agricultural Society was held December 13, a large number of members being present. Dr. E. T. T. Marsh, Frank L. Wells and William L. Robbins were elected members. The report of the spraying committee was received, showing receipts of between $300 and $400 and a deficit of $18. William O'Hara, of Halesite, exhibited fine Queen Louise, Prosperity and Harlowarden carnations.

At the Last Moment You Can Depend Upon Us for

Cut Flowers

All lines. **Fancy Poinsettias** a specialty. Chicago market quotations. **Fancy Holly, Mistletoe, Evergreen Wreathing, Holly Wreaths, etc.**

E. F. WINTERSON CO., 45-47-49 Wabash Ave., **Chicago.**

Please mention the American Florist when writing

PITTSBURG CUT FLOWER CO., Ltd.,

Rhinebeck Violets, Fancy Roses, Fancy Carnations.

222 Oliver Avenue, PITTSBURG, PA.

BEAVEN'S

Fadeless Sheet Moss

$3.50 per bag.

Southern Wild Smilax

IN ANY QUANTITY.

E. A. BEAVEN, Evergreen, Ala.

Extra Fine New Crop **FANCY FERNS** $1.50 per 1000 Discount on large orders.

Green and Bronze Galax, $1.25 per 1000. **Boxwood,** 20c per lb.; 50 lbs., $8.50.

Send for our weekly price list on Cut Flowers. Let us have your standing order for Ferns; will make price right all through the season.

MICHIGAN CUT FLOWER EXCHANGE

WM. DILGER, Mgr. 38 and 40 Broadway formerly Miami Ave., DETROIT, MICH.

Please mention the American Florist when writing

HOLLY! HOLLY! HOLLY!

Holly Wreaths, Lycopodium and Lycopodium Wreathing. Our man in the woods with 12 years' experience in packing, can ship you direct and thus save extra expense of freight. Choice, well-berried **Holly Wreaths,** $10.00 to $15.00 per 100. **Delaware Holly,** $3.00 per case. Cash with order please.

DUMONT & CO., WHOLESALE FLORIST, 1305 Filbert Street, **Philadelphia.**

Please mention the American Florist when writing.

HOLLY

Choice Delaware Stock.

Dark green and well filled with bright red berries, solidly packed in standard cases. Freight prepaid cash in advance with order, single case, $4.00; five cases or more, $3.50 per case. By express, C. O. D., $3.00 per case.

HOLLY WREATHS, 14 in., in diameter, made from perfect green holly, with four large clusters of berries; by freight, prepaid, per 100, $10.00; by express, C. O. D. per 100, $9.00.

Order early and can ship promptly on any date desired.

H. AUSTIN, Felton, Del.

BOUQUET GREEN

Best quality at **lowest rates.** We gather our own **Greens** and bring by our own boat direct. Also **CHRISTMAS TREES.**

Northern Michigan Evergreen Nursery.

SCHOONER GEO. L. WRENN, H. Schuenemann, Capt. S. W. cor. Clark St. Bridge, **CHICAGO.**

Please mention the American Florist when writing

...CHRISTMAS GREENS...

Holly, extra fine, $5.00 per case. **Boxwood,** $15.00 per 100 lbs. **Laurel Festooning,** extra quality, 5c and 6c per yd. **Princess Pine Festooning,** $6.00 per 100 yds. **Wild Smilax,** $3.50 and $7.00 per case. **Laurel Wreaths,** extra quality, $2.50 per doz. upwards. **Branch Laurel,** 50c per bunch. **Bouquet Green,** $7.00 per 100 lbs. **Galax,** new crop Bronze and Green, $1.00 per 1000; $7.50 per 10,000. **Ferns,** Fancy and Dagger, $1.25 per 1000. **Leucothoe Sprays,** $1.00 per 100. **Green** and **Sphagnum Moss,** $1.00 per bbl.

Headquarters for all Florists' Supplies, such as **Red Immortelles,** wire designs, cut wire, letters of all kinds, immortelles, cycas leaves, milkweeds, sheaves of wheat, ribbons, boxes, folding blue corrugated, etc. **The house that can supply the goods on a moment's notice.**

HENRY M. ROBINSON & CO.,

11-15 Province St., 9 Chapman Place,

L. D. Tel. Main 2617-2618. BOSTON, MASS.

SOUTHERN WILD

SMILAX.

Caldwell The Woodsman Co.

EVERGREEN, ALABAMA.

Please mention the American Florist when writing.

CHRISTMAS

Price List.

Subject to change without notice.

American Beauty,	Per doz
Extra long stem	$12.00
36-inch stems	10.00
30-inch stems	9.00
24-inch stems	8.00
20-inch stems	6.00
18-inch stems	5.00
15-inch stems	4.00
12-inch stems	3.00
8-inch stems	$1.50 to 2.00

	Per 100
BRIDE, fancy	$10.00 to $15.00
" good	6.00 to 8.00
BRIDESMAID, fancy	10.00 to 15.00
" good	6.00 to 8.00
LIBERTY, fancy	20.00
" good	8.00 to 15.00
RICHMOND, fancy	20.00
" good	8.00 to 15.00
CHATENAY, fancy	10.00 to 15.00
" good	6.00 to 8.00
UNCLE JOHN, fancy	10.00 to 15.00
" good	6.00 to 8.00
PERLE	6.00 to 10.00
ROSES, our selection	6.00
CARNATIONS, good	5.00
" fancy	6.00
" extra fancy Enchantress and Red	8.00

All Other Stock at Lowest Market Rates.

WIETOR BROS.,

51 Wabash Ave., **CHICAGO.**

It is good business policy to mention the *American Florist* .....when writing to an advertiser.

E. H. HUNT, "The Old Reliable"

Wholesale Florist---76 Wabash Avenue, CHICAGO.

Roses, Carnations, Violets, Ferns, Etc., in any quantity. Also well-berried **Xmas Holly.** Send orders early.

E. C. AMLING

THE LARGEST,
BEST EQUIPPED,
MOST CENTRALLY LOCATED
WHOLESALE
CUT FLOWER HOUSE
IN CHICAGO.

32, 34, 36 RANDOLPH ST.,
CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Please mention the American Florist when writing.

Carnations Our Specialty

OTHER SEASONABLE FLOWERS, SMILAX, ETC.

Can fill your order now or at any other time. Best stock grown around Chicago
Our own and consignments from 15 other large growers, AT MARKET PRICES.

SCHEIDEN & SCHOOS,

Wholesale Cut Flowers. L. D. Phone Cent. 3067. 58-60 Wabash Ave., CHICAGO

Be your own Commission Man

THE

FLOWER GROWERS' MARKET

furnishes the facilities.

See PERCY JONES, Mgr.

60 Wabash Ave., CHICAGO.

Please mention the American Florist when writing

Vaughan & Sperry,

Wholesale Florists,

58 and 60 Wabash Ave., CHICAGO

WRITE FOR SPECIAL PRICES.

Please mention the American Florist when writing

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO,

Wholesale Dealers and Growers of **Cut Flowers**

GREENHOUSES: HINSDALE, ILL.

Please mention the American Florist when writing.

Poehlmann Bros. Co.

Wholesale Growers of and Dealers in **Cut Flowers.**

All telegraph and telephone orders given prompt attention.

Greenhouses: MORTON GROVE, ILL. 35-37 Randolph St., CHICAGO.

Please mention the American Florist when writing

Wholesale Flower Markets

CHICAGO, DEC. 19

Roses, Beauty, 30 to 36-in. stems	$6 00@	8 00
" " 20 to 24-in. "	$4 00@	5 00
" " 15 to 18-in. "	2 00@	3 00
" " 12-in. "	1 50@	2 00
" Liberty, Chatenay	4 00@	12 00
" Bride, Bridesmaid	4 00@	10 00
" Golden Gate	4 00@	8 00
" Killarney, Richmond	4 00@	12 00
Carnations	3 00@	4 00
" fancy	4 00@	8 00
Lily of the valley	2 00@	5 00
Cattleyas....per doz.,	$6 00@$7 50	
Harrisii lilies, per doz.,	$2 50@$3 00	
Asparagus plumosus, per string	35c@50c	
" per bu.,	35c@$1 00	
" Sprengeri	2 00@	4 00
Green Galax		1 00
Galax leaves.....per 1000,	$1 25	
Adiantum	75@	1 00
Fancy ferns.....per 1000.	$2 00	
Smilax.....per string,	10c@12½c	
Chrysanthemums, per doz.,	$2 00@$4 00	
Violets	1 25@	1 75
Leucothoe sprays		75

Christmas prices go into effect Dec. 20.

WEILAND - AND - RISCH

Wholesale Growers and Shippers of
CUT FLOWERS
59 Wabash Ave., CHICAGO.
'Phone Central 879.
Write for our wholesale price list.

WHOLESALE FLORISTS

The Geo. Wittbold Co.

1657-1659 Buckingham Place, CHICAGO.

The only retail florist in Chicago who grows his own cut flowers.

FUNERAL WORK ORDERS, OUR SPECIALTY.

Please mention the American Florist when writing.

SINNER BROS.

WHOLESALE CUT FLOWERS
60 Wabash Ave., Chicago.
Careful attention to all
SHIPPING ORDERS.

Please mention the American Florist when writing.

Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO.
Telephone, Central 3284.

Always mention the American Florist when you order stock.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty.....

WHOLESALE GROWER of **CUT FLOWERS**

KENNICOTT BROS. COMPANY

40-42-44 Randolph St., CHICAGO.

Our reputation has always been that we fill orders when others fail. All stock in season at Lowest Market Rates.

THE BENTHEY-COATSWORTH CO.

35 RANDOLPH ST. WHOLESALE FLORISTS CHICAGO.

Chicago.

STOCK SCARCE.

The almost continuously dull weather of the past several weeks, together with the approach of a holiday that means the moving of great quantities of stock at high prices, has effected a shortage for the week just past. Demand has not been very heavy, but has been sufficient to take care of such stock as came in. Chrysanthemums are all but off the market, both supply and demand being very light. Roses of all sorts are very short in supply and not of A No. 1 quality, the dull, cloudy weather making them soft. The color has improved somewhat. Carnations are very good property. Enchantress, even before Christmas prices became effective, sold for as much as eight cents apiece, and Robt. Craig was much higher. Good Lawson also sold readily at very satisfactory figures. No fault can be found with either the quality or color of these. Violets are in good supply and demand. The specialties, such as bouvardia, mignonette, sweet peas, etc., are also scarce. Paper White narcissus, on the other hand, is abundant and moves slowly. Easter lilies are now seen in abundance and are meeting with a satisfactory demand. There has been no change in the situation as regards green goods, the supply remaining equal to the demand in all lines. Christmas prices go into effect December 20, and from all appearances on the local market will go higher than last year.

NOTES.

The E. F. Winterson Co. has a very attractive display of German artificial wreaths of birch, magnolia, holly, etc. These are a direct importation and certainly look fine. The firm has been receiving orders for artificial poinsettias from all over the country from Maine to California, and the shipping department is busy, all hands often being employed late into the night.

Weiland & Risch have 100,000 rooted cuttings of the Killarney rose in the sand and have already received many gratifying advance orders. John Risch says they have found this the grandest selling rose so far. This firm is showing some exceedingly fine Enchantress and Lawson carnations, also scarlet and white. The roses, too, are looking well.

The Easter lilies that the Poehlmann Bros. are showing certainly rival their prize-winning roses for beauty and perfection. A heavier call than usual at this season has developed for these fine blooms. Stevia is also an offering here that takes well with the trade.

The J. B. Deamud Co. is showing some fine cyclamen plants in full bloom, which are meeting with a very satisfactory demand. Narcissus of good quality is also seen here in abundance. Other cut flowers, especially the carnations, show up well.

Heart-shaped violet hampers, imported direct from Japan, are shown at E. H. Hunt's. These are an offering for the Valentine day trade and are exceedingly attractive. Several advance orders have already been booked.

Chas. W. McKellar is showing a fine lot of gardenias, bouvardia, orchids and other seasonable novelties, as well as the regular stock. Cypripediums seem to be the leaders in the orchid world just now.

O. J. Friedman has brought suit against the New Theater Co. for $500 for flowers he declares he has furnished at different times at "the special instance and request of the corporation's agents."

Wietor Bros. will not go short on long-stemmed American Beauty, Bride, Uncle John, Richmond or Chatenay roses unless they are flooded with orders far in excess of anticipations.

Uncle John roses, which are of a beautiful shade of light pink, are a big crop with Peter Reinberg. Richmond and Liberty too are doing unusually well. Other roses, also, are in good crop.

The Benthey-Coatsworth Co. reports that ten times the number of Killarney roses could be sold could they be secured. Mr. Coatsworth spent some days at New Castle, Ind., last week.

Leonard Kill has been ill the past week, although with his usual pluck he has been at the store when able to leave the house. It is thought he has chronic appendicitis.

Bassett & Washburn are making a specialty of Easter lilies for the Christmas trade. Lilium giganteum is an especially attractive offering.

The A. L. Randall Co. has just received some Bohemian floral vases, also some Austrian ware, that will prove attractive to the trade.

Visitors: Harry Papworth, New Orleans, La.; Harry Bunyard, New York; W. Breitmeyer, Detroit, Mich.; A. J. Miller, La Porte, Ind.; Mrs. C. W. Pike, Racine, Wis.; C. F. Rice, of Rice Bros., Minneapolis, Minn.

Florists' Supplies of all kinds at lowest prices.

		Per 100	
CARNATIONS, large fancy		$ 6 00 to	$8 00
" good stock		4 00 to	5 00
Violets, double		2 00 to	2 50
" single		1 50 to	2 00
		Per doz.	
Poinsettias, fancy		$3 00 to	$4 00
" small		2 00 to	2 50
Callas, Harrisii		2 00 to	3 00
		Per 100	
Valley		$4 00 to	$5 00
Paper Whites, Romans		3 00 to	4 00
Stevia		1 50 to	2 00
Mignonette		4 00 to	8 00

Hurry-up Orders

MY SPECIALTY

Holiday Price List

ORCHIDS, a Specialty.	Per doz.	
Cattleyas	$9 00 to	$12 00
Dendrobium Formosum	5 00 to	6 00
Cypripediums		3 00
Assorted Orchids....per box.	5 00 to	25 00
BEAUTIES, Extra Fancy		12 00
" 24 to 36-in. stems	8 00 to	10 00
" 15 to 20-in. stems	5 00 to	6 00
" Short stems	1 50 to	3 00
	Per 100	
Brides, Maids, Ivory, firsts	$12 00 to	$15 00
" " " seconds	6 00 to	10 00
Perle, Gate, firsts	10 00 to	15 00
" " seconds	6 00 to	8 00
Liberty, Richmond	10 00 to	25 00
Chatenay, Sunrise, firsts	12 00 to	15 00
" seconds	8 00 to	10 00
Roses, my selection		6 00
Marguerites ....per 100.	1 00 to	2 00
Smilax....per doz.		2 00
Asparagus ....per string.	35 to	50
Plumosus, Sprengeri..per bunch.	35 to	75
Adiantum ....per 100.	1 00 to	1 50
Ferns....per 1000.		2 00
Galax		1 00
Leucothoe....per 100.		75
Red Berries ....per case.	2 00 to	5 00
Mistletoe ....per lb., 25c; 25 lbs.		5 00
Boxwood Sprays..per bu., 25c; 100 lbs.		$15 00
Wild Smilax..per case, $3 00, $4 00, $5 00,		$6 00

Prices subject to change without notice.

Give me your Hurry-up Order for Christmas, and you can feel assured of securing the best stock this market supplies.

CHAS. W. McKELLAR

51 Wabash Avenue, : : : CHICAGO

"The Busiest House in Chicago."

J. B. DEAMUD CO.

51-53 Wabash Ave., CHICAGO.

All Flowers and Greens in Season.

J. B. DEAMUD, Pres. W. P. KYLE, Vice-Pres. ALEX. NEWETT, Mgr.

WIETOR BROS.,

Wholesale Growers of **Cut Flowers**

All telegraph and telephone orders given prompt attention.

51 Wabash Ave., CHICAGO.

POINSETTIAS in quantity, very good stock, 15c, 25c and 40c. DELIVERY NOW AND CHRISTMAS. | **WHITE LILAC** $1.00 per bunch.

S. S. PENNOCK-MEEHAN CO., 1610-1618 LUDLOW ST., **Philadelphia, Pa.**

Philadelphia.

PRICES HIGHER THAN LAST YEAR.

At this writing all is excitement and preparation for the great rush, at least all hope it will be great, and from the orders already booked by the storemen and commission houses it has every prospect of a record breaker. Prices, it would seem, are to be a shade higher than last year. One of the prominent houses quotes American Beauty roses for Christmas delivery at $1.25 each for 30-inch stems or over. With $15 per dozen there is scarcely anything in it for the retailer, as 25 per cent of rose buyers will hardly order them at cost. The best teas are to sell for 25 to 35 cents, with Liberty and Richmond from 35 to 60 cents. Carnations will sell for from $10 to $16 for the first selection. Violets $2 per 100. Wreaths of all kinds are to be seen in profusion. Statice seems to be much favored and on Monday, 17th, there was not a pound to be purchased anywhere, the wholesale supply houses being entirely sold out. Box is also in great demand, immense quantities being made into wreaths which are deservedly popular. The high prices of cut flowers is turning the store men to the larger profits in handling plants. There appears to be a lack of some of the popular flowering sorts, such as cyclamens, which this season are late in getting in. Several large stocks containing very choice plants will not be ready before January, a great disappointment to all concerned. Begonias are also not at all up to previous seasons' supplies and will be much missed.

NOTES.

The S. S. Pennock-Meehan Co. is handling immense quantities of Christmas greens, in fact all its lines are full to overflowing. This firm never was so busy. The Leo Niessen Co. says the same thing. Its Christmas stock, both in cut flowers and greens is away above last season, but the firm feels that the question will still be to get enough for the orders.

H. Bayersdorfer & Co. had a train load of goods come over direct from an European steamer in New York in bond last Saturday. The train consisted of five express cars, the first of its kind to enter the Reading terminal station Many of the goods were already sold and there was great activity in getting them started for their destination at once.

K.

Boston.

TRADE AND STOCK GOOD.

It is usual for business to be quite dull for a week or two just before Christmas, but this year is an exception, judging from the activity displayed the past week. There seems to be no end of social affairs, teas, receptions, debutante parties, etc., and all help the trade. The demand for funeral work has been very good also, but far exceeded by cut-flower purchases. The market is short, there being no surplus of note in any variety of stock. These conditions are due in part to the poor weather and partly to the growers holding their crops for the holidays. From present appearances, however, it is safe to say there will be ample stock found to go round at the right time. The rose market has been well filled, but the demand grew to such proportions towards the end of the week that it was found necessary to cut very closely, and then the supply was short. Roses seemed to be the greatest attraction, violets following. American Beauty, Richmond, Liberty and Killarney roses occupy first positions and all are exceptionally good, the first named being rather scarce; probably they will be quite scarce next week. Besides these roses there is an excellent stock of Morgan, Ames, Safrano and Bon Silene. Violets have been short, but the carnation market is in solid condition, Manley being most prominent, with a fair supply of Victory and other varieties. In chrysanthemums there is still quite a supply of white T Eaton on the market. The demand for orchids, gardenias and lily of the valley has been exceptional this season, and the supply, it is feared, will be very short. Among the most attractive flowering plants for the holidays are azaleas, especially Firefly, cyclamen and begonias. The green goods houses, whose holiday trade comes in advance of that of the florists, report their business as greatly increased and a record season is looked for. The markets are overflowing with Christmas trees, wreaths, holly and evergreens of all kinds.

LONDON PARIS BERLIN

Established 1850. Thos. F. Galvin Incorporated.

CHOICE ROSES, ORCHIDS AND VIOLETS

124 Tremont Street. Boylston and Fairfield Streets.

BOSTON, MASS.

NOTES.

Upon the invitation of W. H. Elliott a party of the best known tradesmen and growers of the vicinity visited his establishment at Madbury, N. H., December 13. The party, of 23, under the personal guidance of their host, left here on the 1:15 p. m. train, arriving at their destination about 3 p. m. Here two hours were spent in a thorough inspection of this new establishment, which is one of the most complete in the state and wholly devoted to roses. The greatest attraction to the visitors were the Richmonds, from which stock this able grower has produced the beautiful roses which have attracted so much admiration this fall. Refreshments having been served, the start was made at 5 p. m. for home, which was reached shortly before 7 p. m., everybody being delighted with the trip.

Hugh Grant, a well known grower, who has been employed recently at Biddeford, Me., has returned to Boston totally disabled from physical troubles, for which he is undergoing treatment at a hospital.

The Christmas bells of box wood and red immortelles, which last year were so prominent, are not being displayed so largely this season, due principally to the amount of work involved in their making.

The failure is announced of the firm of Meller & Saunders, of Lowell, Mass., who have conducted a retail store, buying most of their stock in this market.

B.

POINSETTIAS

$25.00 to $40.00 per 100.

THE LEO NIESSEN CO.

WHOLESALE FLORIST.

Open From 7 A. M. to 8 P. M.

1217 Arch St., PHILADELPHIA, PA.

Your Xmas Flowers

American Beauties, Richmonds, Carnations, Violets

and all other Stock. Get Your Order in Early.

PITTSBURG FLORISTS' EXCHANGE, 228 Diamond St., Pittsburg, Pa.

NOW READY

to fill orders for American Beauties, Lily of the Valley, Carnations and all varieties of Tea Roses in lots of one hundred to one thousand at short notice. Get our prices before ordering elsewhere.

WELCH BROTHERS, 226 Devonshire St., BOSTON, MASS.

ASPARAGUS PLUMOSUS NANUS.

Cut Strings, 50 cents each.

W. H. ELLIOTT, Brighton, Mass.

THE

J. M. McCullough's Sons Co.

Wholesale Commission Florists.

CONSIGNMENTS SOLICITED.

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES, SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 684.

Please mention the American Florist when writing

THE

Rose Pink Enchantress

Is the best and the most profitable pink carnation in sight. If ever you had a good thing on your bench you will be sure to find one in the

Rose Pink Enchantress

Ask me who has it in your neighborhood, and I will unhesitatingly refer you to your own neighbor. It is THE carnation to grow.

Price:—Strong rooted cuttings, $7.00 per 100; $60.00 per 1000. Address

S. S. SKIDELSKY,

824 No. 24th Street, PHILADELPHIA, PA.

Please mention the American Florist when writing

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

WM. C. SMITH & CO.

WHOLESALE FflorISTS.

Bell, Main 2018. Kinloch, Cent. 410.

1316 PINE ST., ST. LOUIS, MO.

Wholesale Flower Markets

PHILADELPHIA, Dec. 20.

Roses, Tea	8 00@15 00
" " extra	15 00@25 00
" Liberty	10 00@50 00
" Queen of Edgely, extra	12 00@15 00
" " " first	6 00@ 9 00
" Beauty, extra	12 00@15 00
" " first	6 00@ 9 00
Carnations	6 00@18 00
Lily of the Valley	3 00@ 5 00
Asparagus, bunch	25 00@50 00
Smilax	15 00@20 00
Adiantum	1 00@ 1 50
Cattleyas	60 00@75 00
Gardenias	75 00@1 0 00
Lilium Harrisii	20 00@25 00
Violets, single	75@ 1 50
" double	1 00@ 1 50
Callas	25
Roman Hyacinths	3 00@ 4 00
Narcissus	3 00@ 4 00
Cypripediums	15 00@ 20 00
Pansies	1 50@ 2 00

BOSTON, Dec. 20.

Roses, Beauty best	30 00@40 00
" " medium	20 00@25 00
" " culls	4 00@ 8 00
" Bride, Bridesmaid	2 00@ 4 00
" Extra	6 00@ 8 00
" Liberty	6 00@25 00
Carnations	1 00@ 2 00
" Fancy	2 00@ 3 00
Lily of the Valley	2 00@ 4 00
Smilax	8 00@12 00
Adiantum	1 00@ 1 50
Asparagus	35 00@50 00
Violets	75@ 1 00

BUFFALO, Dec. 20.

Roses, Beauty	$6 00 to $12 doz
" Bride, Bridesmaid, Meteor	4 00@20 00
Carnations	3 00@10 00
Lily of the valley	3 00@ 5 00
Asparagus, strings	40 00@50 00
Smilax	15 00
Adiantum	75@ 1 50
Lilies	5 00@15 00
Chrysanthemums	8 00@25 00
Violets	2 00@ 3 00
Stevia	1 00@ 1 50

H. G. BERNING,

Wholesale Florist

1402 Pine St., ST. LOUIS, MO.

Please mention the American Florist when writing.

Nephrolepis Whitmani

2¼-inch, $25.00 100,

Boston Ferns 2¼-in. $3.00 per 100.

Henry H. Barrows & Sons, WHITMAN MASS.

J. B. MURDOCH & CO.

WHOLESALE FLORISTS,

FLORISTS' SUPPLIES.

545 Liberty Ave., PITTSBURG, PA.

Please mention the American Florist when writing.

C. A. KUEHN,

Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

Please mention the American Florist when writing.

POINSETTIAS.

ALL SEASONABLE CUT FLOWERS.

ABSOLUTELY THE BEST POSSIBLE SERVICE.

W. E. McKissick

WHOLESALE FLORIST.

Business Hours 7 a.m. to 8 p.m.

1221 Filbert Street, PHILADELPHIA, PA.

Holton & Hunkel Co.

Wholesale Florists

Milwaukee, Wis

Nephrolepis Whitmani

Young plants from bench, $6.00.....per 100.

DAVIS BROS., Morrison, Ill.

New York.

VALUES ABNORMALLY HIGH.

While values continue abnormally high there is not a great deal of business being done. Retailers are cutting their orders, not feeling desirous of taking many chances on high-priced stock, and this course is having some effect on the cleaning up problem. The best of the roses arriving are picked over and top prices for selected stock are several points above quotations. Bride roses are in good supply and sell well. Pink roses, however, are most in demand. Many of the Bridesmaid roses coming in show signs of having been held back. American Beauty is somewhat scarce in the best grades, and as far as can be learned, will be short for the holidays. The many dark days lately experienced have had their effect on roses, and American Beauty has particularly suffered. Richmond and Liberty roses both sell well, being seasonable in color. There are quite a few chrysanthemums still coming in. Chadwick sells very well, and the other varieties all seem to go off at remunerative prices. Bulbous stock is very prominent, and with roses high in price, is taken pretty freely. Paper White narcissus in supply just about equals the demand and with Roman hyacinths are pretty firm at $2.00 per 100. Carnations are getting stronger in value, and the offerings must be very inferior in quality not to bring a point or more beyond the minimum quotation. White Perfection and Alma Ward are coming in grand shape, and command high prices. Imperial, among the variegated sorts, is a novelty now appearing and it sells well. Enchantress is to be seen in fine condition and is as popular as ever. Lilies are advancing in price as the holidays approach and may go to the 20 cent mark before the week is out, as they are none too plentiful. Violets are in good supply with values not materially changed. Gardenias are rather scarce and bring as high as $1 each. A considerable advance is expected by the end of the week, and gardenias will probably go to $1.50. Poinsettias are in demand, but the supply is not as heavy as last year. Stevia is plentiful, but cleans up well. The demand for plants is heavier than ever, and it is not difficult to prophesy a record breaking Christmas trade. Azaleas are scarce, most of the establishments being cleaned out. Araucarias seem to be going well this season, and few, if any, will be left over anywhere.

The Market, December 19.—The market continues rather slow with arrivals somewhat increased.

NOTES.

John Pereboon, representing D. Nieuwenhuis & Sons, wholesale bulb growers of Lisse, Holland, arrived in New York last week, and has taken quarters with Maltus & Ware, 14 Stone street. He will introduce a new spirea called White Queen, said to be a cross between S. Japonica and S. astilboides floribunda. The foliage is dark green and plants are said to throw twice as many flowers as S. Japonica above the foliage.

Last Tuesday was a busy morning at the New York Cut Flower Exchange. The treasurer was handing out cheques for a 10 per cent dividend on the company stock. Only about three feet of space is left for sale on the floor. Late growers to locate there are Kaiser & Rittman, of Jersey City, N. J. The annual turkey raffle will be enjoyed by the stall holders and others, on Saturday, December 22.

A. C. Dacre, the Thirtieth street retailer, says that his order book is not suffering for lack of Christmas orders. He furnished a casket cover of violets, and several large pieces for the Schwab funeral last week. He also had two large dinner decorations during the week.

R. Dreyer, of Woodside, L. I., had a grand lot of azaleas for the holiday trade, but sold them out early. He has a fine stock of araucarias which is moving fast. Aspidistras are quite a specialty with him, one of his greenhouses showing a quantity of excellent plants.

The holiday business in retail circles began in earnest on Tuesday. Holly wreaths and laurel roping are to be seen everywhere. Princess pine is very scarce, due no doubt to the early snow and cold weather.

There appears to be a shortage in the supply of Christmas bells, immortelles and one or two other florists' staples. This speaks well for the Christmas trade.

W. H. Donohoe has opened a branch store for the holidays a few doors west of his store at Twenty-ninth street and Fifth avenue.

Ficus pandurata, the new rubber plant, may be seen in use as a window plant in many Fifth avenue dwellings.

Washington.

MARKET AND RETAILERS BUSY.

The business of the past week was eminently satisfactory, so good in fact that there came near being a scarcity of stock. With weddings, dinners, coming-out parties, and numerous smaller social events, there was a ready sale for all cut stock. With Christmas preparations to attend to and decorating for the social events at the same time, most of the retailers have had their hands full. Among roses there is plenty of American Beauty to supply all demands. Golden Gate and Ivory are also in fair supply, but Bride and Bridesmaid are none too plentiful. Although several local growers are sending in limited quantities of Killarney, the bulk of the stock of this rose comes from northern growers. Richmond is fairly plentiful and is taking the place among the reds that Killarney occupies with the pinks, that is the head of the table. Though some fine lots of carnations are coming in there is a decided scarcity, which will continue till the sun begins his northward journey. Poinsettias are early this year and are being cut into so heavily that it looks as though but few will be left for Christmas. There is a good supply of Paper White narcissus and considerable stevia on the market. As a bouquet green adiantum hybridum has all the run.

NOTEWORTHY DECORATIONS.

Congressman McKinnay, of Illinois, gave a dinner to the republican congressional committee at the Raleigh hotel on December 18. The table decoration was on a groundwork map of the United States. Richmond roses predominated. The unique feature was the G. O. P. elephant drawing the band wagon with chairman Sherman as driver. Speaker Cannon and the "boys" were represented as the jolly crowd in the wagon. Other features represented the capitol in a grove of evergreens seen from Pennsylvania avenue. These decorations were by Blackistone. Another decoration of note was by Small, at the Willard, December 16, when the gold medal of the national geographical society was presented to Lieut. Peary by President Roosevelt.

For the wedding of Miss Marie Barnes to Lieut. Mark Brooks, U. S. A., at St. John's church, December 12, a very handsome decoration was executed by George Shaffer, in which Richmond roses predominated. The bridal bouquet was of white roses and lily of the valley, while each of the seven bridesmaids carried a bouquet of Richmond rose.

The decorations for the first state dinner of the season at the White House on the night of December 13, were of more than usual attractiveness. The centerpiece was of Richmond roses, that rose, with variations of white carnations and settings of Adiantum Farleynse prevailing throughout the entire scheme.

For the wedding of Miss Saidee W. Luttrell to Albert H. Cousins, of Boston, at St. John's church, December 12, Cooke also executed a fine decoration. The bridal bouquet was a shower of lily of the valley, the maid of honor and each of the six bridesmaids having Killarney roses

At the home of solicitor general and Mrs. Henry M. Hoyt, for the marriage of their daughter, Miss Eleanor M. Hoyt, to Philip Hichborn, December 12, there was a very handsome decoration by Z. D. Blackistone, in which Killarney roses were freely used.

For a dinner given by John R. and Mrs. McLean, December 15, Geo. H Cooke executed an elaborate decoration in red and green, 700 poinsettias being used.

NOTES.

F. H. Kramer is showing good Bride and Bridesmaid roses and a great stock of Paper White narcissus. His store has a fine exhibit of Christmas wreaths and bells.

In addition to a good stock of cut flowers the Gude Brothers Co. has at its greenhouses a big stock of azaleas in full bloom.

A feature of H. Cooke's store at present is the fine stock of Adiantum Farleyense. S. E.

Pittsburg.

STOCK SHORT.

The usual scarcity of stock before a holiday is now being felt. The carnations coming in do not near supply the demand. Roses are not so scarce, but there is no trouble moving the good grades. American Beauty rose was never finer and is commanding good prices. Violets have shortened in supply. Few sweet peas, daisies, etc., are to be seen, but greens are plentiful. The wholesalers may be seen all around these days, securing Christmas orders and they state that they expect this Christmas to be exceptionally good. J.

CLINTON, ME.—Sam True, of Town House hill, has established a greenhouse.

HORACE E. FROMENT, Wholesale, Commission,
Successor to William Ghormley.
Orchids, Roses, Carnations, Valley, Lilies, Etc.
57 West 28th Street, NEW YORK CITY.
Telephones 2200 and 2201 Madison Square.

Alexander J. Guttman,
THE WHOLESALE FLORIST OF NEW YORK,
43 West 28th Street.
Write for prices on any variety of cut flowers, not only for Christmas, but for all the year round. Enough said.

Choice Carnations. Selected Roses.
Traendly & Schenck
NEW YORK CITY,
44 W. 28th Street, Cut Flower Exchange.
New Telephone No. 798 & 799 Madison Sq.
Please mention the American Florist when writing.

CARNATIONS
MY SPECIALTY
Consignments Solicited. Prompt Payments
Established 1891.
Alfred H. Langjahr, 55 W. 28th St., NEW YORK.
Telephone 3924 Madison Square.
Please mention the American Florist when writing.

FORD BROS.
Receivers and Shippers of
Fresh Flowers
48 West 28th St. NEW YORK.
Telephone 3870-3871 Madison Sq.

N. Y. Cut Flower Exchange
Coogan Bldg., 6th Ave. & W. 26th St., New York.
Open for Cut Flower Sales at 6 o'clock Every Morning.
Desirable Wall Space to Rent for Advertising.
V. S. DORVAL, JR., Secretary.

JOHN P. SCHERER
Wholesale Dealer in
EVERGREENS, GALAX, FERNS and DECORATIVE SUPPLIES.
Christmas Greens and Christmas Trees a Specialty.
Telephone 328 L Union. 636 Garden St., UNION HILL, N. J.

ORCHIDS
Largest Importers, Exporters, Growers and Hybridists in the World.
SANDER, St. Albans, England.
NEW YORK OFFICE: Room 1, 235 Broadway. T. MELLSTROM Agent

Orchids!
ARRIVED IN FINE CONDITION.
Cattleya Harrisoniae, C. Intermedia, C. Gigas, C. Trianae, C. Speciosissima, C. Leopoldii, Laelia purpurata, Oncidium varicosum Rogersii, Marshallianum, Phalaenopsis amabilis and P. Schilleriana.
Lager & Hurrell, SUMMIT, N. J.
Orchid Growers and Importers.

ORCHIDS...
(28 HOUSES)
Imported, semi-established, established, and fine Hybrids. Stove and greenhouse plants.
Inspection invited. Correspondence solicited.
JULIUS ROEHRS CO., Rutherford, N. J.

Charles H. Totty
WHOLESALE FLORIST
Chrysanthemum Novelties A Specialty. MADISON, N. J.

Wholesale Flower Markets

NEW YORK, Dec. 20.

Roses, Beauty, best	50 00@75 00
" " medium	10 00@20 00
" culls	3 00@10 00
" Liberty, best	3 00@12 00
" culls	1 00@ 3 00
" Bride, Bridesmaid, G. Gate	3 00@12 00
" Kaiserin, Carnot	2 00@12 00
Carnations	2 00@ 5 00
" fancy and novelties	5 00@ 8 00
Lily of the valley	1 00@ 4 00
Lilies	6 00@15 00
Violets	50@ 1 00
Smilax	6 00@ 8 00
Adiantum	50@ 1 00
Asparagus	20 00@50 00
Chrysanthemums, doz.	$0 50@$2 00

Thomas Young
WHOLESALE FLORIST.
43 West 28th St., NEW YORK.

Moore, Hentz & Nash,
Wholesale Commission Florists,
55 and 57 West 26th Street,
Telephone No. 756 Madison Square. New York.

N. Lecakes & Co.
53 W. 28th St., NEW YORK.
Tel. No. 1214 Madison Square
Stands at Cut Flower Exchange, Coogan Bldg., W. 26th Street & 34th Street Cut Flower Market. SPECIALTIES: Galax Leaves, Ferns and Leucothoe Sprays, Holly, Princess Pine and all kinds of Evergreens.
Green and Bronze Galax Leaves, $1.00 per 1000.

A. J. FELLOURIS,
J. J. Fellouris, Manager.
Wholesale and Retail Dealer in all kines of
EVERGREENS, Fancy and Dagger Ferns, Bronze and Green Galax.
Telephone, 2675 Madison Square.
52 West 28th Street, NEW YORK.

George Cotsonas & Co.
Wholesale and Retail Dealers in all kinds of
Evergreens.
Fancy and Dagger Ferns, Bronze and Green Galax.
Phone 1203 Mad. Sq.
Main Store, 50 W. 28th St., NEW YORK

—FLOWERS SHIPPED BY—
JOHN I. RAYNOR
Are the best product of the best growers for the New York Market.
Adiantum Croweanum sold here exclusively.
49 W. 28th St., NEW YORK.
Tel. 1998 Madison Square.

Walter F. Sheridan,
WHOLESALE FLORIST,
Telephones 3532 and 3533 Madison Square.
39 West 28th St., NEW YORK.
Please mention the American Florist when writing.

J. Seligman. Joseph J. Levy
John Seligman & Co.
WHOLESALE FLORISTS
56 West 26th Street, NEW YORK.
OPPOSITE N. Y. CUT FLOWER CO.
Everything in Cut Flowers. Consignments from growers solicited. Prompt returns. Best prices. Satisfaction guaranteed. Tel. 4878 Madison.
Please mention the American Florist when writing.

PHIL. F. KESSLER
Wholesale Commission Florist
Telephones { 2921 / 5243 } Madison Square.
55 WEST 26th STREET,
Consignments solicited. Prompt payments. New York.
Please mention the American Florist when writing.

A. M. HENSHAW
Wholesale Commission Florist.
Consignments of first-class stock solicited. A Square Deal guaranteed to all who trade here.
Telephone 5583 Madison.
52 W. 28th St., NEW YORK
Please mention the American Florist when writing.

A. L. Young & Co.
WHOLESALE FLORISTS.
Consignments of choice cut flowers solicited. Give us a trial.
54 West 28th St, NEW YORK.
Telephone, 3559 Madison Square.

C. W. EBERMAN
Wholesale and Commission
PLANTS AND EVERGREENS
GALAX, FERNS, MOSS.
Consignments Solicited.
53 W. 30th Street, Telephone 3767 Mad. Sq. NEW YORK.

THE KERVAN COMPANY,
20 West 27th St., NEW YORK.
Wholesale dealers in fresh cut Palmetto and Cycas Palm leaves, Galax, Leucothoe Ferns, Mosses and all Decorating Evergreens.

J. K. ALLEN.
Wholesale Commission Florist.
106 West 28th St., NEW YORK CITY.
Open every day at 6:00 A.M. Tel. 167 Madison Sq.

CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

William H. Donohoe,

No. 2 West 29th St., (One Door Off 5th Ave.) NEW YORK.

PHONES: 3034 and 3035 MADISON SQUARE.

Write, wire or telephone your orders to the above. Personal attention assured.

The best is none too good. Prices always right. Send me your next order.

DETROIT.

JOHN BREITMEYER'S SONS

Cor. MIAMI and GRATIOT AVES.

DETROIT, MICH.

...Artistic Designs...

High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

MILWAUKEE.

C. C. Pollworth Co.

MILWAUKEE, WIS.

Will take proper care of your orders in WISCONSIN.

INDIANAPOLIS.

Bertermann Bros. Co.

FLORISTS

241 Massachusetts Ave.. INDIANAPOLIS, IND.

ST. LOUIS.

Fred. C. Weber,

FLORIST.

4320-4328 Olive St.; ST. LOUIS, MO.

Established 1873. Bell, Lindell 676.

DENVER.

The Park ...Floral Co.

J. A. VALENTINE, President. DENVER, COLO.

OMAHA.

HESS & SWOBODA,

Florists,

1415 Farnam Street. 'Phone 1501 and L. 1582. OMAHA, NEB

Please mention the American Florist when writing.

DENVER.

FLORAL DESIGNS AND FLOWERS.

Best Quality on Shortest Notice.

DANIELS & FISHER, DENVER, COLO.

Order by mail, telephone, telegraph or cable. Cable address: "Daniels Denver."

LONDON PARIS BERLIN

A. Lange

Prompt Attention to STEAMSHIP ORDERS.

Main Address 40 East Madison Street, Heyworth Bldg. ...CHICAGO.

Agents in all Leading European Cities.

GUDE BROS. CO. FLORISTS 1214 F ST. N.W. WASHINGTON, D.C.

WASHINGTON, D. C.

Gude's.

CHICAGO.

P. J. HAUSWIRTH

Auditorium Annex, CHICAGO.

Mail, telegraph or telephone orders filled promptly in best style.

BUFFALO.

Palmer's

Buffalo, N. Y.

W. J. Palmer & Son, 304 Main St.

WASHINGTON.

GEO. H. COOKE,

FLORIST

Connecticut Avenue and L Street, WASHINGTON, D. C.

KANSAS CITY.

Samuel Murray

...FLORIST...

Coates House Conservatory

1017 Broadway, KANSAS CITY, MO.

Both 'Phones 2670 Main.

Write, Telephone or Telegraph. All orders given prompt attention.

KANSAS CITY.

GEO. M. KELLOGG,

936 Grand Avenue,

KANSAS CITY and PLEASANT HILL, MO.

Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

BROOKLYN, N. Y.

Robert G. Wilson

Fulton St. and Greene Ave. BROOKLYN

Greenhouses: Short Hills, N. J.

—Deliveries in—

Greater New York, Long Island and New Jersey.

Trade orders from all parts of the country filled for delivery at residence, steamer, hotel, or theater on wholesale basis. Satisfaction guaranteed. Wire or telephone.

ST. PAUL.

HOLM & OLSON,

ST. PAUL.

THE LEADING FLORISTS OF THE NORTHWEST

Orders will be well cared for anywhere in Minnesota and the Dakotas.

GALVESTON.

Mrs. M. A. Hansen,

—FLORIST—

Galveston, Texas.

Special attention given to Telegraph or Telephone Orders. 'Phone 1912.

JACKSONVILLE.

MILLS THE FLORIST,

36 W. Forsyth Street,

JACKSONVILLE, FLA.

WASHINGTON.

Mayberry & Hoover

Florists and Decorators

1339 Fourteenth St., Northwest

Telephone North 508. WASHINGTON, D. C.

New Orleans

CUT FLOWERS

For Tourists and General Trade.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, —838— CANAL ST.

COLUMBUS.

The Livingston Seed Co.

FLORISTS

Cover All Ohio Points. 114 North High St.

A. L. RANDALL CO. 21 Randolph St. CHICAGO.

Well Selected Stock. Reasonable Prices. Fair Treatment.

Fancy Mignonette. Others try to produce its equal but those who want the best order ours.

Violets. No one questions the fact that we are headquarters for Violets in Chicago and have the best growers of fancy Violets in the United States. Can fill orders of any size.

Stevia. Long fancy stock. Every florist will need from 200 to 1000 of this fine stock for Xmas.

Paper Whites and Romans. We will have fancy stock at $4 00 per 100.

Roses and Carnations. The best growers in the country supply us with Carnations and Roses and they will have fine fresh (no pickled) stock.

Liberties. Always scarce for Xmas, but we expect a largh crop of medium stem flowers.

TRY AND GET YOUR ORDERS IN EARLY IF POSSIBLE.

Randall's Phenomenal Progress Shown in the Florists' Supply Department.

Our First Anniversary in this Line occurs January 1, 1907, and already we are doing a business second to none in the west. **The most up-to-date and best of supplies** can be obtained of us at lowest price. Try us once and we will get your future orders. **Write for quotations.**

The Cleveland Cut Flower Company,

WHOLESALE CUT FLOWERS, FLORISTS' SUPPLIES, WIRE DESIGNS.

215 Huron Road, CLEVELAND, OHIO.

Cut Flowers or Designs

Will be delivered for the Trade on Wire or Mail. Orders in Best Qualities and Prices.

ST. LOUIS.

Theodore Miller

FLORIST,

Long Distance Phone, Bell, Forest 56, Kinloch, Delmar 201. **4832 Delmar Boulevard ST. LOUIS, MO.**

DAYTON, O.

Matthews,

FflorIST,

16 W. 3rd St., DAYTON, O.

Flowers in any arrangement for all occassions for Dayton and vicinity. Long dis. phones.

ALBANY, N. Y.

EYRES

Flowers or Design Work.

DELIVERED IN ALBANY AND VICINITY ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

SAN FRANCISCO.

J. B. Boland Co.

Successors to Sievers & Boland,

FLORISTS.

47-49 Geary St., SAN FRANCISCO, CAL.

ROCHESTER.

J. B. KELLER SONS,

FLORISTS.

25 Clinton Ave., N., ROCHESTER, N. Y.

Rochester Phone 506. Long Dist. Bell Phone 2189.

ATLANTA.

ATLANTA FLORAL CO.

41 Peachtree Street, ATLANTA, GEORGIA.

Washington, D. C.

Let me fill all your orders in this locality.

Z. D. BLACKISTONE,

14th and H Streets, N. W.

MOBILE.

Chatogue Greenhouses

MOBILE, ALA.

TWO ACRES UNDER GLASS. ONLY HIGH CLASS FLORAL WORK OLICITED.

Orders to be delivered at short notice in or near Mobile or New Orleans will be executed with fresh stock from our mammoth plant by our own artist at Mobile, or **Mr. U. J. Virgin, New Orleans.** Orders by telegram at our expense. Address

F. P. DAVIS, Mobile, Ala.

Reference, R. G. Dunn & Co.

ST. LOUIS.

WRITE, WIRE OR PHONE YOUR ORDERS TO

YOUNGS,

1406 Olive St ST. LOUIS, MO.

Regular discount allowed on all orders, either Plants or Cut Flowers.

Phones: Bell, Main 2366, Kinlock, Central 4981.

LOUISVILLE.

JACOB SCHULZ, 644 Fourth Ave., LOUISVILLE, KY.

Cut Flowers of BEST QUALITY in season delivered promptly to any address.

Write, Telegraph or Telephone.

Cumberland and Home Phones 223 and 984.

Attention, Western Florists

Wholesale Growers of Carnations, Roses, Violets, Paper Whites, Callas, Plumosus, Sprengeri Smilax, Adiantum, etc.,

We Want to Hear from You.

Rising-Dunscomb Co., Inc., 205 No. Broadway, LOS ANGELES

BOSTON FERNS.

From bench: ready for 4 and 5-inch pots. $10 00 and $15.00 per 100 respectively.

Boston and Scottii, 5 to 10-inch pans, 50c to $1.50 each.

Jerusalem Cherries, 12-inch pans, 7 plants to a pan, full of berries. 75c each: 3½-inch pots, with berries and blooms on, $6.00 per 100.

ASPARAGUS.

Sprengeri, 2½-inch, extra large, $3.00 per 100; $25.00 per 1000. 3½-inch, good value, $5.00 per 100.

CARNATIONS.

Norway. We still have about 800 nice, fieldt grown plants: just nice to follow 'mums. At present they are heeled in a bench. $3.00 per 100 to close them out.

20,000 Rooted Cuttings, leading varieties now ready. Write for prices.

J. W. DUNFORD, Clayton, Mo.

Please mention the American Florist when writing.

Plants and Cut Flowers

FOR CHRISTMAS.

Celestial Peppers, 5-in., 25c: 4-in., 50c: 8-in., $1 00 each.
Jerusalem Cherries, 5-in., 25c: 6-in., 50c each.
Romans, 5-in., 25c each.
Paper Whites, 5-in., 25c: 6-in., 40c each.
Chinese Primroses, 4-in., $12.50.
Primula Obconica, 4-in., $12.50.
Baby Primroses, 4-in., $12.50.
Rex Begonia, 4-in., $15.00.
Roses and **Carnations.**

SPECIAL.

50 10-in. **Bostons,** worth $4.00 for $2.50 each, or $25.00 for a dozen.

For Christmas, a very fine lot of Elegantissima, Barrowsi, Piersoni, Scottii, Whitmani and Bostons, in 4, 5 and 6 in. pots. Write us new price list.

GEO. A. KUHL, Pekin, Ill.

Please mention the American Florist when writing.

ROOTED CUTTINGS.

PELARGONIUMS, 15 var. named, $2.25 per 100.
BEGONIAS, $1.50 per 100.

Shipping charges prepaid. Cash with order.

Write to

S. D. BRANT, Clay Center, Kan.

The Seed Trade.

American Seed Trade Association.
H. W. Wood, Richmond, Va., Pres.; C. S. Burge, Toledo, O., First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas. Twenty-fifth annual convention at New York, 1907

VISITED NEW YORK.—J. L. Farquhar, Boston, Mass.

SEED corn growers report rather light business.

ONE of the Holland bulb salesmen has already reached New York.

A CHICAGO mail order house lists onion seed at about last year's prices.

THE deaths of Alfred F. Conard and James Vick are recorded in our obituary column.

VISITED CHICAGO: Chas. N. Page, Des Moines, Ia., and A. T. Ferrell, Saginaw, Mich.

NEW YORK.—T. Mellstrom, representing Sander & Son, St. Albans, Eng., sailed for Europe December 15.

THE lithographers' strike, which is still on, may prove very serious in the delay of some catalogue covers.

PEA prices of canners' sorts are stiffening and nearly all kinds are wanted. Some of the wrinkled kinds are short.

MILWAUKEE, WIS.—Chas. N. Page, Des Moines, Ia., was a visitor this week looking after the printing of his catalogue.

THE first general retail seed trade catalogue to reach us is that of the Denver, Colo., house of the Barteldes Seed Co.

THERE is some anxiety on the part of large potato houses, prices having a downward tendency with the bottom not yet in sight.

ONION SEEDS generally are giving poor germination tests and seedsmen will do well to test carefully now and again February 15.

NOTWITHSTANDING the short pro rata of onion seed deliveries from the west there seems to be a number of odd surplus lots disposable.

CALIFORNIA onion seed growers in advancing their contract prices say that poor crops for three recent years have made this course necessary.

ONION SETS are quoted about as follows for 32 pounds fair to choice: Whites, $1.75 to $2; reds and yellows, fair to choice, $1.40 to $1.60. There are none too many really fancy sets to be had.

LOS ANGELES, CAL., December 10.—Rains are reported from all parts of the state and the rush season for seedsmen and nurserymen is on. The season at this date is about one month earlier than usual.

MILFORD, CONN.—F. H. Woodruff & Sons have more traveling representatives on the road this year than ever before. Harold F. Woodruff has just returned from a six weeks' tour of New York state and Benj. Fenn is in the west.

THE stock of French immortelles imported this year proved hardly sufficient for the demand and is about exhausted both in Chicago and New York.

ROCKFORD, ILL.—The many friends of John T. Buckbee will be pleased to learn that he was mending as rapidly as can be expected, Wednesday of this week.

ONE of the Red river valley potato growers grew a crop averaging 125 bushels per acre for 200 acres. The cost of seed, growing and harvesting was $20 per acre, average selling price 40 cents per bushel, net profit $10,000. Talk of the poor farmer!

LOS ANGELES, CAL.—The Morris & Snow Seed Co. announce January 2 as the date of opening of their new seed store at 55 South Main street. O. M. Morris has had 23 years' experience in the seed business, having worked for Vaughan's Seed Store, Germain Seed & Plant Co. and Johnson & Musser Seed Co. M. C. Snow has served several years in the nursery business. The firm intend carrying complete lines of flower, plant, vegetable and tree seeds, also florists' supplies.

INDIANAPOLIS, IND.—The Indiana Horticultural Society at its closing session scored the free seed distribution, and advised congress to use the money now so expended in the collection and distribution to the various agricultural experimental stations and colleges, of rare and valuable seeds from all parts of the world. Other business had reference to a uniform packing law and appropriations for stamping out the San Jose scale. Professor Kinsey said he thought the time would come when fruit growers would have to pass an examination before being allowed to farm any land.

European Notes.

The English clover seed crop of 1906 has given good returns, and considering the heavy yield good prices are obtainable by the farmers on account of short continental crops.

German exporters of lily of the valley crowns report that the season just closing is one of the best on record for sales and next year's markets are expected to open with an advance in prices.

BEE.

Snow in California.

San Bernardino, Cal., November 24.—For the first time in 40 years, heavy snow has fallen throughout the desert region. In the mountains near this city the ground is covered to a depth of five feet. All traffic has been suspended and several mining camps are snowbound. The snow has fallen in low levels at the foot of hills, even reaching some of the orange groves. So far no damage has been reported.

Prices of Indoor Vegetables.

The prices of indoor vegetables at leading points December 15 were as follows: New York, cucumbers, No. 1, $1.50 to $2.25 per dozen. Kansas City, cucumbers, $1.50 per dozen. Cincinnati, cucumbers, $1.25 per dozen; mushrooms, 40 cents to 50 cents per pound. Cleveland, cucumbers, $11.50 per box; mushrooms, 75 cents to 80 cents per pound; lettuce, 11½ cents to 12½ cents per pound. Chicago, cucumbers, 50 cents to $1.50 per dozen; radishes, 25 cents to 75 cents per dozen bunches. Buffalo, cucumbers, 75 cents to $1.25 per dozen. Boston, cucumbers, $6 to $8 per box.

As to Free Seeds.

While the seedsmen who attended the hearing before the house committee went away encouraged, it is doubtful if any results will follow their efforts at this session of congress. It has already been pointed out in these columns that the continued revelations of graft and grab-all in public lands, transportation and other lines of public service, has made the free seed humbug appear as an innocent pastime by comparison, in the eyes of many congressmen. Possibly they feel that for the enormous sums paid the railroads for carrying the mails they should carry something to in some measure earn the money.

S. E.

Milwaukee.

NEWS NOTES AND MARKET COMMENT.

Holton & Hunkel seem to have managed cleverly in growing themselves a large stock of such plants as their regular consignors are short of. We notice in their store several improvements for facilitating the filling of orders quickly and accurately, a series of order books, 14 in all, one for each half day of the year. They also have a rubber stamp for labeling the shipping tags of each of their regular customers. These cover a large board similar to the keyboard in a hotel. Several lady clerks have been added to their force.

The Florists' Club has just had its annual election, the new officers being as follows: John I. Heitman, president; Chas. Burmeister, vice-president; C. Dallwig, secretary; Nic Zweifel, treasurer; Chris Valom, trustee for three years. The members adorned the Olympic bowling alleys by their presence a few evenings ago, but when asked for the score Herman Hunkel was the only one who displayed any willingness to give it. The others hesitated like elderly young ladies when asked their age.

Clem Pollworth says the supply of potted plants is not as large as that of last season, and nothing like what there is in demand. Imported azaleas are about the average, but cyclamens and primroses have fallen off, even Emil Welke being short of cyclamens. Holly is overdone, Mr. Pollworth says, there being 15 cars of it here this week; quality averages well. Roses are scarce, particularly American Beauty.

An effort was made during the coming session of the state legislature to have the land inclosing Devils lake and the Dells of the Wisconsin river taken for a state park. A private corporation quietly manœuvering to get control of the water power is the influence working against it. It is astonishing sometimes how few dollars may be required to overcome reason, judgment and loyalty.

W. M. Roblee, president of the Fox River Fair association, is considering ways and means to stimulate a greater interest in horticulture. A meeting of those interested will likely take place at Appleton in the near future.

August Kellner has completed an addition to his greenhouses, almost doubling their capacity. He has considerable

landscape work in hand for the coming spring, which, from all appearance, will win more laurels for him.

The State Grange of Wisconsin has just passed resolutions demanding that agriculture be one of the daily courses in rural schools of the state.

Alexander Klokner has branched out in a manner that makes him comparatively indifferent about dark weather; he is growing mushrooms.

We welcome the introduction of California pepper branches for Christmas and hope that the sweet scented eucalyptus will soon follow.

C. B. W.

ST. JOHNSBURY, VT.—The trade of James Burns, owner of the St. Johnsbury greenhouses, for Thanksgiving was 50 per cent better than last year. Maud Dean and Black Hawk chrysanthemums were good sellers. Funeral work has been plentiful. A big crop of Enchantress carnation was in grand shape for the holiday and sold well.

John Scheepers & Co.

Finest Bulbs, Seeds, Plants and Valley.

NEW YORK CITY.

Send for valuable Free catalogue.

BURPEE'S SEEDS PHILADELPHIA.

Wholesale Price List for Florists and Market Gardeners.

MUSHROOM SPAWN.

Frequent importations from England. Always fresh and lively.

J. J. STYER, Concordville, Pa.

HJALMAR HARTMANN & CO.

Growers for the Wholesale Trade Only.

31 Barclay St. NEW YOYK. 12 Stormgade, COPENHAGEN.

CAULIFLOWER and CABBAGE SEED

MICE PROOF SEED CASES.

SEND FOR BOOKLET.

HELLER & CO., Montpelier, O.

A. J. Pieters Seed Co.

HOLLISTER, CAL.

— GROWERS OF —

Vegetable and Flower Seeds.

Special attention paid to selected stocks.

A. J. Pieters, President and Manager, will visit the trade December-January.

FORCING RHUBARB.

Under the greenhouse bench or in any old cellar or mushroom house is entirely practical and an easy proposition.

Send for My Special Florists' Circular on Rhubarb Forcing

It gives ample directions for successful culture. I have a good supply of large Undivided Clumps. Prices: $2.00 per doz.; 25 for $3.75; $12.00 per 100; $100.00 per 1000. (500 at 1000 rate).

Stokes Seed Store.

219 Market Street, PHILADELPHIA, PA.

C. C. MORSE & CO.

SEED GROWERS.

171-173 Clay Street, : SAN FRANCISCO, CAL.

OUR SPECIALTIES: Onion, Lettuce, Sweet Peas; also Carrot, Celery Celeriac, Cucumber, Endive, Leek, Mustard, Parsley, Parsnip, Radish, Salsify, Spinach, Tomato and Flower Seeds.

Growers for the Trade on Contract.

Warehouses: at SANTA CLARA.

Farms and Farm Headquarters: CARNADERO, near GILROY.

Registered Cable Address: "Morseed," San Francisco.

SEEDS

If you are in need of any of the following, write us for prices.

Beet, Cabbage, Cannon Ball and Rocky Ford Musk Mellon, southern grown Watermellon, Bermuda and other Onion Seed, Okra, Mustard, French and California-grown Radish, Tomato, Mexican June Corn, Kaffir Corn, German Millet, Dwarf Yellow Milo Maize, Sugar Cane, Winter Barley, Red Rust Proof Oats, Cotton Seed, Whippoorwill and White Black-Eyed Field Peas, Spanish Peanuts, Johnson and Bermnda Grass.

TEXAS SEED AND FLORAL CO.
DALLAS, TEXAS.

J. STAER, Nurseryman and Seedsman,

WAHROONGA, New South Wales. AUSTRALIA.

Collector of Australian and Island Seeds and Plants. Palms, Ferns, Platyceriums, Orchids, Eucalyptus, ornamental trees and shrubs.

PALM SEEDS.

	Per 1000		Per 1000
Kentia Forsteriana	$1.25	Livistona Australis	.50
" Belmoreana	1.25	Bacularia Monostachya	1.50
" Canterburyana	3.00	Calamus Muelleri	1.50
" Moorei	12 00	Gymnostachys Anceps	2.00
Areca Baueri	1.00		
Seaforthia Elegans	.50		

TREE SEEDS.

Castanospermum Australe.....$5.00 per 1000
Araucaria Excelsa..... 1.25 per 1000

Please mention the American Florist when writing

QUALITY SEEDS BULBS PLANTS

SEND FOR CATALOGUE.

ARTHUR T. BODDINGTON

342 West 14th St., New York.

Please mention the American Florist when writing.

The Chas. H. Lilly Co.

SEATTLE, WASH.

— Growers of —

PUGET SOUND CABBAGE SEED

Vegetable Plants.

CABBAGE New Early and Succession, $1.25 per 1000.

LETTUCE Grand Rapids, Big Boston, Boston Market and Tennis Ball, $1.00 per 1000.

PARSLEY Moss Curled, $1.25 per 1000.

TOMATOES Lorillard and Mayflower, 40c per doz., $2.00 per 100.

R Vincent, Jr. & Son, White Marsh, Md.

— PURE CULTURE —

MUSHROOM SPAWN.

Per 10 bricks....$1.50 | Per 25 bricks..$ 3.50
Per 50 bricks.... 6.50 | Per 100 bricks.. 12.00

Fresh Tobacco Stems, in bales of 300 lbs..$1.50

W. C. BECKERT, Allegheny, Pa.

SEEDS.

BELL & BIEBERSTEDT, Leith, Scotland

Exporters and Importers of

Clovers, Rye Grasses, Natural Grasses, Swede Turnip, Mangel Wurtzel, Vegetable and Flower Seeds.

The Nursery Trade

American Association of Nurserymen.
Orlando Harrison, Berlin, Md., President; J. W Hill, Des Moines, Ia., Vice-President; George C. Seager, Rochester N. Y., Sec'y.
Thirty-second annual convention, Detroit, Mich., June, 1907.

SAWDUST SMUDGE.—The Storrs & Harrison Co., Painesville, O., makes a sawdust smudge every Saturday night in winter in its cold storage house. This warms up the house and aids in the extermination of fungus.

ROSE HIAWATHA.—Elsewhere in this issue one of our European correspondents calls attention to the fact that this rose has now "caught on" with the English public and the stocks in the hands of the nurserymen are very low.

LOS ANGELES, CAL.—The delegation of Oregon and Washington nurserymen, on their way to the meeting of the Californian Nurserymen's Association at Hanford, were entertained here December 3 by the chamber of commerce. They afterwards visited the home of Luther Burbank.

WILKESBARRE, PA.—H. Manning, the famous Boston landscape architect, will probably furnish the plans for the proposed city parks system. In a letter written some time ago Mr. Manning refers to the favorable natural conditions surrounding Wilkesbarre, and the amount of mountain laurel, rhododendrons and other shrubbery already existing there and needing only transplanting.

HOBOKEN, N. J.—B. Franklin Lissauer, the city horticulturist and landscape architect, has returned from his trip to Rochester, N. Y., and other places whither he had gone to inspect trees, shrubs and fertilizers for use in the parks. He is to be congratulated on his narrow escape from a railroad wreck, the train on which he was travelling at night being brought up with a round turn just in time to avoid a derailed freight train near Albany, N. Y. He has secured options on a large number of trees at a low figure and is assured that he will have the support of the city council in his endeavors to improve the parks.

REFERRING to some recent literature, C. B. Smith says that seeds of most of the species of picea, pinus, larix, tsuga, sequoia, cryptomeria and cupressus the period of germination varied from 14 to 28 days and of Pinus strobus from 30 to 40 days after placing in the germination apparatus. The same writer states that many seeds that actually germinate in germination tests should be counted out, as the germs are too weak to produce plants. Seeds that showed 95 per cent germination in the laboratory showed but 35 per cent outdoors under unfavorable conditions. We are not told what these conditions were. Other seeds which showed 60 per cent in the laboratory showed but three per cent out of doors, showing that these laboratory tests are not indicative of the true value of the seeds for outdoor sowing. The seeds germinate more quickly and vigorously in light than in darkness.

The Saskatoon Nurseries.

Under the above title John Ashworth and J. H. Holmes have commenced operations at this rapidly growing town. In addition to 10,000 feet of glass, 40 acres of nursery land are to be planted, all kinds of forest and fruit trees suitable for that section of the country being included. The new concern hopes to supply the town with early cucumbers, tomatoes and vegetables generally, also to carry all popular lines in cut flowers, pot and bedding plants.

A house is being erected for the manager, Arthur Marriott, who has been on the site for two years and has made considerable progress in the culture and sale of produce there. Doubtless with his knowledge of local requirements and the increased facilities at his command a much greater success will attend his efforts. Excavation for the houses has begun and the iron roofing and a large Kroeschell steam boiler have been shipped from Chicago. The latter is built for 10,000 feet of 4-inch pipe. Altogether 60 acres are to be broken the coming spring, but the company has more land available as this becomes necessary for extension.

Minneapolis.

FUNERAL WORK PLENTIFUL.

Business is good, but there is nothing unusual to mention. Merchants are all absorbed in plans for taking care of the Christmas trade. Funeral work the past week has been very heavy, the Glass Block especially, putting out some very fine designs. With the exception of the charity ball last week, at which some of our leading florists distinguished themselves, society is rather quiet, so we may have a short space in which to catch our breath before Christmas. The recent dark weather has hurt the stock to a marked degree. Roses, especially Bride and Bridesmaid, are very poor, while carnations are decidedly scarce. Small stock, such as violets, lily of the valley, narcissi, etc., are not good, but they do not seem to be affected as much as the larger blooms. Green stuff is very good and is in great demand, a special call being made for the wild smilax, as this is used extensively for window decorations all over the city. Unless we have a few days of good warm sunshine, indications are that prices are going to reach the top-notch during the next two weeks. G. H.

Lexington, Mo.

The establishment of the late J. P. Coen was sold December 11 to D. W. Trine, of Dooley, Va. Mr. Trine is a capable man and for the past three years he has been managing a place in Dooley. He will carry on his new business on the same lines as its former owner, growing roses, carnations, chrysanthemums and miscellaneous bedding stock.

Mr. Trine saw the advertisement of this place in THE AMERICAN FLORIST and on his arrival found the place in the pink of condition owing to Mrs. Coen's hard and unceasing work since she was left alone by the death of her husband.

Mr. Trine has the best wishes of the Kansas City craft and it is hoped that he will enjoy the continuance of a successful business.

Utica, N. Y.

PROSPECTS GOOD.

From the early sales one would form an opinion that business would be better than ever this year for the holidays. Flowers and plants of good quality are coming into the market. With favorable weather the growers of carnations and roses expect an unsually heavy cut. As usual, the man who sells his cut from day to day is ahead of the man who handles pickled stock, as it has already been found that many of the blooms they expected to keep for Christmas have gone to sleep and the plants need a daily picking over.

Roses are plentiful, but a little below par in quality for our "Rose" city. They are selling from $2.00 to $4.00 per doz., American Beauty bringing from $10 to $20.

Violets are coming from Poughkeepsie in good shape and are selling at from $3.00 to $4.50 per 100.

Chrysanthemums of good quality are still on the market, selling at from $2.50 to $3.00 per doz.

Carnations are plentiful, some fancies selling for $2.00 per doz.

NOTES.

Donald MacLean, one of our older florists, who was reported very ill last week, is much improved and has the best wishes for continued health from the trade.

Some of the stores and greenhouses have a fine display of made-up pans and baskets.

BUD.

Albany, N. Y.

NOTES.

The local retailers report business very good with a notable scarcity of desirable stock.

Josiah Young, a well-known seedsman of Troy, has purchased the establishment and 18 acres of land owned by William H. Goodrich near Watervliet. The place has from 18,000 to 20,000 square feet of glass. The purchase also included the retail store on Broadway, Troy, conducted by Mr. Goodrich. It is said that Mr. Young will build a new range of houses on his place next spring.

Henkes Bros., growers, who have an establishment outside of Watervliet, are completing a new water tower of iron and concrete 10 feet in diameter and 80 feet high. The firm is also stocking a new house 22 x 100 feet with Lilium Harrisii and Lilium longiflorum for the Easter trade. The house is equipped with a new No. 4 Kroeschell boiler.

Reinhold W. Zobel, who succeeded John Dingwall, Garbrance lane, last spring, opened a new retail store December 15 at 518 Broadway. The site is near the railroad station and adjacent to a number of large retail stores.

R. D.

ELYRIA, O.—An explosion of dynamite cartridges, that were being prepared for blowing up tree stumps, destroyed a building at the Ohio Nursery & Supply Co.'s premises recently. Presumably the building caught fire at the roof, and sparks falling ignited the dynamite, this putting an end to the building and the fire's progress. This was fortunate as otherwise the adjoining buildings would probably have caught.

PEONIES.

From our large and select stock, such as the following varieties:

Prince Charles,	Philomile,
Mons. Boquil,	Lord Salisbury.
Leonie,	Festiva,
Duchess of Sutherland,	Hypatia,
Rosea maxima,	Mons. Rousselon,
Mme. Furtado,	Mme. Moreau,

and many other good varieties all true to name.
Strong 1 year old.....$1.50 per doz.; $10.00 per 100
" 2 " ..... 2 00 " 15 00 per 100

Iris Germanica, Mme. Chereau, Gracchus, Florentine, Socrates, Duchess de Nemours, Dr. Bernice and 20 other good sorts, $2.50 per 100; $22.50 per 1000.

Hemerocallis (Day Lilies), in 10 varieties, to clear, $3.75 per 100; $30.00 per 1000.

The Undermentioned are Strongly Recommended for Cut Work.

Delphinium Belladonna, distinct, continuous bloomer, lovely sky-blue, 1 year old plants, $6.25 per 100; $57.50 per 1000. 3 year old clumps, $8.75 per 100; $75.00 per 1000.

Chrysanthemum maximum King Edward, the finest and largest hardy White Marguerite, four F. C. C 's and A. M., R. H. S., strong from ground, $8.75 per 100.

Lathyrus latifolius White Pearl, true from cuttings, flowers double the size of the old white variety, A M., R H. S., strong from ground, $16.25 per 100. Seedlings, not guaranteed, $12.50 per 100.

Buyers of **Begonias, Dahlias** and **Cannas** should see our catalogue and write for prices. Special terms for quantities.

THOMAS S. WARE, Ltd., FELTHAM, ENGLAND.
Formerly of Tottenham.
Please mention the American Florist when writing.

ROSES.

Heavy Native Grown Stock.

	Per doz.	100
Baby Rambler	$2.50	$20.00
Hermosa	1.65	12.50
Clothilde Soupert	1.65	12.50

Imported Roses

Extra Heavy Hybrid Perpetuals.

	Per 10	100
All leading varieties	$1.50	$12.50
Baby Rambler	2.00	17.50
Crimson Rambler	1.75	15.00

Hollyhocks.

A nice lot in separate colors...$7.50 per 100

PERENNIAL GARDENS CO., Toledo, O.
Please mention the American Florist when writing

NURSERY STOCK

All kinds of Hardy Nursery Stock.
Ask for prices.

KLEHM'S NURSERIES,
ARLINGTON HEIGHTS, ILL.

Specimen Nursery Stock.

Deciduous Trees and **Shrubs, Evergreens, Rhododendrons, Azaleas.** Over one hundred (100) acres of the choicest varieties. Send for price list.

COTTAGE GARDENS COMPANY,
Queens, Long Island, New York.
Please mention the American Florist when writing.

TREES AND SHRUBS.

We make especially low prices on **Nursery Stock** to Parks, Cemeteries, etc. Wholesale price-list on application. We carry immense quantities of the finest named varieties of

PEONIES.

PETERSON NURSERY 503 W. Peterson Ave. CHICAGO, ILL.

Spireas, Azaleas, Rhododendrons, Etc.

Spirea Japonica.....$4.00 per 100.
Spirea Nana Compacta..... 4.00 per 100.
Spirea Ast. Floribunda..... 4.25 per 100.
Spirea Gladstone..... 6.50 per 100.

AZALEA INDICA. Fine list early and late varieties: Simon Mardner, Empress of India, Niobe, Prof. Walters, Mme. Van der Cruyssen, Helen Thielman.
10 to 12-inch crowns.....$35.00 per 100. | 14 to 16-inch crowns.....$55.00 per 100.
12 to 14-inch crowns ..... 45.00 per 100. | 16 to 18-inch crowns..... 90.00 per 100

AZALEA MOLLIS. Bushy, well budded seedlings.
12 to 15 inches high.....$25.00 per 100.
15 to 18 inches high..... 35 00 per 100.

RHODODENDRONS. Bushy, perfect shaped plants of leading forcing varieties.
18 to 20 inches high, full of buds.....$ 9 00 per doz.
20 to 24 inches high, full of buds..... 12.00 per doz.

LATANIA BORBONICA, strong, 4-inch.....$15.00 per 100.
KENTIA BELMOREANA, 5-inch, bushy..... 60.00 per 100.
NEPHROLEPIS ELEGANTISSIMA, 2¼-inch pots..... 5.00 per 100.

THE STORRS & HARRISON CO.
PAINESVILLE, - OHIO.

Please mention the American Florist when writing.

HIBISCUS SYRIACUS MEEHANII

WE now offer to the trade our new hardy variegated leaf Hibiscus Syriacus Meehanii. This plant attracted much attention when exhibited at the American Nurserymen's Convention at West Baden, Ind., and American Florists' Exhibition at Asheville, N. C. Foliage beautifully variegated; never sun-scalds or reverts to the green; flowers single, very large, satiny lavender; blooms during four months; prices on application. Orders booked now.

P. J. BERCKMANS CO., Inc., Fruitland Nurseries, AUGUSTA, GA.

MANETTI STOCKS

Especially for **FLORISTS'** use. Best French-grown.

Grafting size, 3-5 mm.....$7.00 per 1000; $65.00 per 10,000
First size 5-10 mm..... 9.00 per 1000; 80.00 per 10,000
Newark prices; **duty paid.** For delivery in January. Order now and avoid disappointment.

ROSES, two years, field-grown, well-rooted.

DOROTHY PERKINS.....$ 8.00 per 100
CRIMSON RAMBLER..... 10 00 per 100
HYBRID PERPETUALS, in good assortment .....$10.00 to 12.00 per 100

Send for our Wholesale Price List of Roses, Clematis, Flowering Shrubs, Conifers, etc.

JACKSON & PERKINS CO., Newark, Wayne Co., N. Y.

BABY RAMBLER

in bud and bloom.

4-inch pots, 20c—quick shipment.

THE LEEDLE FLORAL COMPANY SPRINGFIELD-OHIO.

PEONIES.

Queen Victoria (Whitleyii), per 100....$ 9.00
Festiva Maxima, per 100..... 30.00
Fragrans, "Late Rose".....per 100, 6.00
Large stock of M. L. Rhubarb and Lucretia Dewberry Plants.
For 1000 rates and other varieties, write

GILBERT H. WILD, Sarcoxie, Mo.

Send to THE MOON Company
For Your { Trees, Shrubs, Vines and Small Fruits.
Descriptive Illustrated Catalogue Free
THE WM. H. MOON CO.,
Morrisville, Pa.

CHOICE NORTHERN GROWN
2-year in field, fine for forcing.

CRIMSON RAMBLERS,

$10.00 per 100.
HYDRANGEA PAN. GRAND., $8.00 per 100.

C. M. NIUFFER, Springfield, Ohio.
Please mention the American Florist when writing

Jacs Smits, Ltd. NAARDEN, (Holland.

GROWERS OF
Rhododendrons, Axaleas, pot grown Shrubs for forcing, Lily of the Valley, Spiræa, Paeonias, Roses, Climbing Plants, good varieties of Conifers and all ornamental stock.

Personal Inspection Cordially Invited.
R. R. Depot, NAARDEN-BUSSUM, near Amsterdam.
Price list free on demand.

LARGE TREES.

OAKS and MAPLES.
PINES and HEMLOCKS.

ANDORRA NURSERIES,
Wm. Warner Harper, Prop.
Chestnut Hill, PHILA, PA

Lynchburg, Va.

STOCK SCARCE.

Under the directions of superintendent Driner, of the city park, a fine range of houses has been built, to take the place of the present small ones. A new Kroeschell boiler has been installed to heat same, also heat the aviary and offices. The weather has been fine here for past few weeks and business has been very good. Chrysanthemums are about all used up and stock is somewhat scarce.

NOTES.

Harry Brown has been getting fine roses and chrysanthemums. His carnations were checked by wet weather, but they are coming out in better shape now.

A. Brosch has had narcussus in for some time, having planted a bench of them.

A. Frommelt has had good chrysanthemums and carnations.

LYNCHBURG.

Lenox, Mass.

The regular meeting of the Lenox Horticultural Society was held December 15, President F. Heeremans in the chair. Alex. Murray of Lenox was unanimously elected a member. We also decided to hold three exhibitions this year, viz.: Rose and strawberry show in June, annual and perennial show in August and the annual chrysanthemum show in October. All committees for 1907 were appointed, viz.: Employment, essay and entertainment, schedule and judges for plants and indoor flowers, herbaceous plants and outdoor flowers and vegetables.

G. F.

CARNATIONS ROOTED CUTTINGS.

	Per 100	Per 1000
Victory	$6.00	$50.00
Enchantress	2.00	18.00
Lawson (white)	3.00	25.00
Lady Bountiful	3.00	25.00
Boston Market	$1.50	$12.50
Mrs. E. A. Nelson	2.00	15.00
Lawson (pink)	1.50	12.50

Chrysanthemum Stock Plants.

White: Willowbrook, Kalb, Estelle, Wanamaker, Ivory, Robinson. **Yellow:** Appleton, Bonnaffon Halliday. **Pink:** Coombes, McNeice, Enguehard. **60c** per doz.; **$4.00** per 100.

Asparagus Plumosus Nanus, 3-in., $5.00 per 100. **Asparagus Sprengeri,** 2½-in., $2.50 per 100.

E. T. WANZER, Wheaton, Ill.

FERNS. Extra Fine and Cheap.

FROM BENCH. Boston, 3-inch, 5c; 4-inch, 10c.; Tarrytown, 3-inch, 10c.; 4-inch, 15c; 6-inch, 25c; Tarrytown Runners, fine stock, $1.50 per 100.

FLOWERING BEGONIAS, 8 kinds, 2-inch, 2½c.

REX BEGONIAS, 3-inch, 8c.

GERANIUMS, 2-in., strong, 2c.

Rooted Cuttings, per 100 prepaid.

Fuchsia, 5 kinds, $1.25; **Salvia,** Bonfire, Spendens, 90c; **Vinca Var.,** 90c; **Dbl. Petunia,** 10 kinds, $1.00; **Heliotrope,** 3 kinds, $1.00; **Ageratum,** White, Pauline Gurney, 60c; **Paris Daisy,** Giant White, Yellow, $1.00, Alexandra, $1.25; **Swainsona alba,** $1.00. Cash or C. O. D.

BYER BROS., Chambersburg, Pa.

Please mention the American Florist when writing.

WE ARE BOOKING ORDERS FOR

Nephrolepis Amerpohli

The Sensational New Fern.
Awarded Highest Certificate of Merit at the S. A. F. Convention, 1906.

JANESVILLE FLORAL CO., Janesville, Wis.

Please mention the American Florist when writing.

—SUPERB—

BOXWOODS.

Just Arrived. Perfectly Shaped.

Bushes for Window Boxes, from top of root ball, 12 to 20 inches high.....$0.75 a pair
24 inches high..... 1.00 a pair
Pyramids, 3 ft. high.....$2.00 and $3.00 a pair
" 4 ft. high..... 3.00 and 4.00 a pair
" 4 ft. 6 in. high..... 5.00 a pair
" 5 ft. high..... 7.00 a pair
Grafted Baby Ramblers on Manetti; nice bushy plants in 3½ and 4-in. pots, ready for early forcing, $15.00 per 100.

ANTON SCHULTHEIS,
9th St. and 4th Ave., **College Point, L. I., N. Y.**

Rooted Cuttings Per 100 prepaid: Ageratum, Gurney and Pauline, 60c; Salvia Bonfire, 75c; Coleus, asst., 60c; Vinca varieg., 90c, $8.00 per 1000, not prepaid. Cash.

SHIPPENSBURG FLORAL CO., Shippensburg, Pa

Advertisers send copy early for best service...

THE NEW

Cyclopedia of American Horticulture.

BY PROFESSOR LIBERTY H. BAILEY.

Over 4,357 articles in all by 450 expert writers, including practically all the best botanists, nurserymen, seedsmen, florists, market gardeners and experimental station horticulturists. Occupying 2,100 pages and covering 24,434 plant names, 2,800 detailed illustrations, enormously increasing the ease of identification, and 146 beautiful full page illustrations.

Every reader of this paper who is interested in farming, in gardening, in trees, in shrubs, and all out of door matters, absolutely needs this set. It takes the place of all others combined on American gardening.

In Six Great Quarto Volumes of 2,100 Pages You Find:

Descriptions alphabetically arranged of all—over a thousand—of the native trees, plants and flowers worth cultivating, with keys enabling you to name any species, as well as to find all information regarding it. Practical articles by leading experts of the country on all phases of commercial plant production and greenhouse management—cut flowers, vegetables, etc.

Fullest cultural instructions for every flower, fruit and vegetable, tree and ornamental plant you may wish to grow.

SPECIAL OFFER.

The regular price is ***$30.00.*** For a few weeks we are able to offer this new and revised edition with the new material added at ***$22.80*** cash. This offer will be withdrawn January 1, and the price increased.

American Florist Company,
324 Dearborn Street, CHICAGO.

Palms, Ferns, Etc.

WHOLESALE PRICE LIST.

	In.	Doz.	100
Asparagus Plumosus.	2		$3.00
" "	3		6.00
Asparagus Sprengeri.	2		3.00
" "	3		6.00
" "	4	1.50	
" "	5	2.00	

Aspidium Tensemense, 3-in., $1.00 per doz.; $8.00 per 100.
Boston Ferns, 5-in. pots, $3.00 per doz.; 6-in. pots, strong, $6.00 per doz.; 7-in. pots, $9.00 per doz. Larger specimens, $1.50, $2.00 and $3.00 each.
Pteris Argyrea, 3 in., $1.00 per doz.; $8.00 per 100.
Pteris Wimsetti, 3-in., 75c per doz.; $6.00 per 100.

ASSORTED FERNS FOR DISHES

$3.00 per 100; $25.00 per 1000. We have a large lot to offer in best varieties.

Cibotium Schiedei, 5-in., $9.00 per doz.; 6-in., $12.00 per doz.
Dracaena Fragrans, 5-inch pots, 50c each; $5.00 per doz. 6-in. pots, 75c each; $9.00 per doz.; 7-in., $1.00 each; $12.00 per doz.
Dracaena Indivisa. 2-inch pots, $2.50 per 100; 6-inch pots, 20 to 26 inches high, 50c each; $5.00 per doz.; 7-inch pots, 30 to 34 inches high, 75c each; $9.00 per doz.
Dracaena Terminalis, nicely colored, 2-in., $1.25 per doz.; 3-in., $2.00 per doz.; 6-in., $9.00 per doz.
Pandanus Utiles, 3-in.....per doz., $1.50
" " 4-in.....per doz., 3.00
" " 5-in.....per doz., 5.00
Cocos, for dishes, 2-in.....per doz., 2.00
Cocos Bonetti, large specimens, $40.00 each.

	In.	Each	Doz.
Kentia Belmoreana	3		$ 2.00
Kentia Forsteriana	7	2.00	24.00
" "	7 x	2.50	
" "	7 xx	3.00	

Latania Borbonica, 3-in. $1.50 per doz.; 3½-in., $2.00; 4-in., $3.00; 5-in., $5.00 and 7-in., $12.00 per doz.
Phoenix Canariensis, 2-in.....per doz., 1.00
" " fine bushy plants. 10-in. $2.50 and $3.00 each. Large specimens.
Phoenix Reclinata, 3½-in.....per doz., $2.00
" " 4-in.....per doz., 3.00
Aucuba Japonica, 10-in. pots, 3 ft. high, $1.50 each.
Rhododendrons, 50c and 75c each.
Boxwoods, Pyramids, in tubs, 3 ft., $4.00 each; 4 ft., $5.00 each.
Boxwoods, Bush Form in tubs, 4 ft., $5.00 each.
" 1 ft. high, 35c each; $4.20 per doz.; 1½ ft. high., 50c each.

The Geo. Wittbold Co.

1657 BUCKINGHAM PLACE. CHICAGO.

Please mention the American Florist when writing.

500,000 VERBENAS

60 Finest Named Varieties.

Rooted Cuttings, 75c per 100; $6.00 per 1000 Plants, $2.50 per 100; $20.00 per 1000.

Our list is the choice from millions of seedlings. Order early.

The floral and plant business of the late Mr. J. L. Dillon will be continued under his name by his executors.

LOUISE H. DILLON, ALICE D. FURMAN } Executors.

J. L. DILLON. Bloomsburg, Pa.

CARNATION JOHN E. HAINES.

The leading scarlet, brilliant color, fine stem, the most productive ever introduced; blooms early until thrown out in July; no extra grass. All shoots make flowers. Watch the papers and see what growers have to say about it. None but well-rooted, healthy cuttings leave the place.

Rooted cuttings ready December 15, 1906. Price $6.00 per 100; $50.00 yer 1000.

JOHH E. HAINES, Bethlehem, Pa.

Roses! Dahlias! Cannas! Violets!

Miscellaneous Plants!

ROSES. We have in stock upwards of 1000 different varieties, consisting of the very latest European varieties, as well as all the leading varieties of American origin. Stock from 2½, 4 and 5-inch pots, all on own roots. Ask for catalogue.

DAHLIAS. 25 leading varieties, all under name, guaranteed true, including the best sorts in cultivation, such as Admiral Dewey, Constancy, Gloriosa, Orange King, Prof. Baldwin, Maid of Kent, C. W. Bruton and Uncertainty. Field clumps as dug, **$5.00** per 100; **$45.00** per 1000. Catherine Duer, field clumps, **$8.00** per 100.

CANNAS. 40 leading varieties, **$10.00** per 1000 and upwards. Write for list and prices.

VIOLETS. Lady Hume Campbell, Princess of Wales, Swanley White, Admiral Avellan and Luxonne; nice strong plants, from 2½-inch pots, **$3.50** per 100; **$30.00** per 1000.

MISCELLANEOUS PLANTS.

Ampelopsis Veitchi, nice, strong, 2-year-old, field-grown plants, per 100, $6.00; per 1000, $55 00
Clematis Paniculata, 2-year-old, field-grown stock strong plants, per 100, 7.00; per 1000, 65.00
Cissus Discolor, nice plants, from 2½-inch pots.....per 100, $4 00
Cyperus Gracilis, from 2½-inch pots.....per 100, 3.50
Asparagus Sprengeri, from 2½-inch pots.....per 100, 4 00
Asparagus Plumosus, from 2½-inch pots.....per 100, 4.00
Weeping Lantana, from 2½-inch pots.....per 100, 3.50
Viburnum Plicatum, and a complete list of hardy shrubs, vines and miscellaneous plants of all kinds. Send us your list for prices. Ask for catalogue—it's free.

Address **THE DINGEE & CONARD CO.,** Rose Growers,
WEST GROVE, PA.

ESTABLISHED 1850. 70 GREENHOUSES.

Araucaria Excelsa

16 to 18 in. high, 4 to 5 tiers, 50c each, $5.00 per doz.

Viburnum Plicatum (Japan Snowball)

All sizes up to 5 ft; and other **Shrubbery, Honeysuckles,** etc.

ROSES (On their own roots) Our Specialty.

We have left strong field plants of

Clothilde Soupert,	Dorothy Perkins,
Baby Rambler,	Crimson Rambler,
Phila. Rambler,	Sir Thos. Lipton.

2½ and 4 in. pot plants in great variety.

Cannas Over 300,000 roots, including more than 50 of the very best varieties.

Send for our 1907 catalogue, which will soon be ready.

THE CONARD & JONES CO.

West Grove, Pa.

CHRYSANTHEMUMS. Extra Fine Stock Plants

Robinson, Weeks, T. Eaton, Col. D. Appleton, Goldmine, Dr. Enguehard, Wm. Duckham, Touset, Maud Dean, Casco, 75c per dozen.

TIPTON GREENHOUSES, Tipton, Iowa.

ASPARAGUS PLUMOSUS

Exceptionally fine stock from 3-in. pots, $5.00 per 100.

ASPARAGUS SPRENGERI, from 3½-in. pots $6.00 per 100.

Write for price on large lots.

SCHARFF BROS., Van Wert, Ohio

Please mention the American Florist when writing.

A Few Good Things You Want.

Cash with Order.

Dracaena Indivisa, 4 and 5-inch, $10.00 and $25.00 per 100.
Asparagus Plumosus, 2-in., $3.00 per 100. 3-in., $5.00 per 100.
Asparagus Sprengeri, 2-inch, $2.50 per 100.
Geraniums, S. A. Nutt, John Doyle, Perkins, Poitevine and Double Gen. Grant, La Favorite, 2 in. pots, $2.00 Rooted cuttings, $1.00 per 100.
Rex Begonia, nice plants, 2 and 2½-inch, $5.00 per 100.
Boston Ferns, 5-inch, 30c each.
Pierson Ferns, 5-inch, 50c each.
Vinca Var., 2-in., $2 00 per 100.
Primula Obconica, 2-in., $2.00 per 100.
Gladiolus, blooming buds, extra fine mixture, to close out while they last, 60c per 100; $5.00 per 1000.

GEO. M. EMMANS, NEWTON, N. J.

LUDVIG MOSBAEK

ONARGA, ILL.

Asparagus Pl. Na. and Spreng., 2, 2½, 3 and 4 in., $2.00, $2.50, $5.00 and $8.00 per 100.

Ferns Boston, Piersoni and Anna Foster, 2¼, 3 and 4 in., $3.00, $6.00 and $12 00 per 100; 6-in., $4.00; 8-in., $10 00; 10-in., $20.00 per doz. Piersoni Elegantissima and Scottii, fine runners, $40.00 per 1000; Boston, $20 00 per 1000.

150,000 Cannas in 35 var. List mailed

50,000 Hardy Perennials Field and pot grown.

Rooted Rose Cuttings.

Strong well-rooted cuttings, Bride, Maid, Golden Gate, Chetenay, $1.50 per 100; $12.50 per 1000. Richmond, $2.00 per 100; $18.00 per 1000.

Asparagus Plumosus, 2¼, $3.00; 3-in., $5.00. Sprengeri, 3-in., $4.00.

W. H. GULLETT & SONS, Lincoln, Ill.

Cattleya Mossiæ.

Can make exceptionally low prices on this fine Cattleya for delivery next spring and summer. Write for prices, etc,

L. A. FENNELL, Cythiana,

Up to Date Directory

Giving all the Country's { Florists, Seedsmen, Nurserymen

PRICE $2.00.

Syracuse, N. Y.

BUSINESS GOOD.

Thanksgiving trade was satisfactory and business has kept up to a surprising degree since. Several large social events have helped to swell the receipts of the dealers. P. R. Quinlan & Co. had the decorations for the reception which Judge Frank H. Hiscock gave to members of the bar of Onondaga county. There was a room of American Beauty roses, a room of white Chrysanthemums and another room of yellow chrysanthemums. The hall was decorated with Richmond roses and the big ball room with southern smilax and palms. P. R. Quinlan & Co. say that everything is in good shape for Christmas trade, which they expect will be large. A source of revenue for the retailers will be the charity ball New Year's eve at the Alhambra. A similar ball was held Thanksgiving eve, to which society turned out in large numbers.

NOTES.

E. J. Wheadon, a member of the firm of the Wheadons, stopped off here last week coming from Chicago. This firm had the decorations for the Elks' memorial at the Wieting. On the stage were palms, ferns and bay trees and a large scroll made of pink and white chrysanthemums and asparagus containing the words, "Our Absent Brothers." Around the neck of an elk's head was a wreath made of white carnations, pink roses and asparagus. The Wheadons also had the decorations for the masonic banquet, consisting of Araucaria excelsa, Boston ferns and poinsettias.

P. R. Quinlan & Co. have an interesting window display of poinsettias and Begonia Gloire de Lorraine. They are cutting a splendid stock of single violets from their greenhouses.

A. J. B.

FERNS, PALMS,

ARAUCARIA EXCEL.,

ASPIDISTRA,

Green and Variegated.

BAY TREES and PRIVET,

Fine, Strong Stock.

R. DREYER, WOODSIDE, L. I., N. Y.

Please mention the American Florist when writing.

ABUNDANCE

Rooted Cuttings of this Most Prolific White Carnation

Will be ready for delivery in January.

Price: $5.00 per 100; $40.00 per 1000. 250 at 1000 rate.
5 per cent discount for cash with order.

RUDOLPH FISCHER

Great Neck, L. I., N. Y.

Please mention the American Florist when writing.

GERANIUMS.

Alliance. Beautiful shade of delicate lilac white. Blotched crimson rose. Hybrid between an ivy and zonal. Excellent habit for vases or pot plants. 25c each; $2 50 per doz.; $20.00 per 100.

E. H. Trego. Is one of the most beautiful shades of dazzling **scarlet** with a soft velvety finish; the flowers are large semi-double often measuring over two inches in diameter. 75c per doz.; $4.00 per 100.

Fleuve Blanc. A pure white semi-double and a perfect type of the **Bruant race,** destined to become the leader in white. $1.50 per doz.; $10 00 per 100.

Mrs. Laurence. Semi-double, beautiful, soft satin, salmon tinted white, large fine flower, wonderfully free in flowering. A gem as a pot plant. A magnificent bedder. $1.00 per doz.; $6.00 per 100

M. Anatole Roseleur. A charming shade of rose pink with decided white eye, large semi-double, well formed flowers, abundant bloomer. $1.00 per doz.; $6.00 per 100.

Our descriptive **GERANIUM** catalogue contains descriptions and wholesale prices of 75 of the best standard sorts, and the finest collection of imported novelties ever offered in the country, including 100 varieties from such noted introducers as Bruant, Lemoine, Pfitzer, Cannel, etc. Sent free to trade only.

A cordial invitation is extended to all interested in horticulture to visit us, Cowenton Station, Philadelphia division, B. & O. R. R., 12 miles north of Baltimore.

R. VINCENT, JR. & SON., - - - - **White Marsh, Md.**

PINK SPORT OF ENCHANTRESS

COLOR—Rose pink. **HABIT**—Identical with Enchantress.

PINK SPORT OF ENCHANTRESS will make a very desirable addition to your list of Carnations. Rooted Cuttings, per 100, $6.00. Rooted Cuttings, per 1000, $50.00. Send orders to

HOLTON & HUNKEL CO., Milwaukee, Wis.

Or to the Originator and Grower,

E. H. BLAMEUSER, Niles Center, Ill.

Directory of Gardeners

—AND—

Estates Employing Gardeners

—IN THE—

UNITED STATES and CANADA.

Price $5, Cash With Order.

AMERICAN FLORIST CO. 324 DEARBORN ST., ... CHICAGO.

BEST ENGRAVINGS and ILLUSTRATIONS

—Of Every Description—

FOR CATALOGUES.

SEE OUR WORK IN THIS PAPER. SEND FOR ESTIMATES.

GLOBE ENGRAVING and ELECTROTYPE CO.

407-427 Dearborn St., CHICAGO.

SPECIALTIES.

ROSES, from 3-inch pots. **CHRYSANTHEMUMS.**
CARNATIONS, for fall delivery. **SMILAX. VIOLETS.**
IN BEST VARIETIES.

Prices low. Send for list.

WOOD BROTHERS, Fishkill, N. Y.

GOV. HERRICK THE COMING VIOLET

One that produces three times as many flowers as any violet ever offered for sale. It will please you. Order at once. Prices: $2.00 per doz.; $10.00 per 100; $75.00 per 1000; 5,000 or more at $60.00 per 1000. Send for description today.

H. R. CARLTON. Willoughby, O.
INTRODUCER and ORIGINATOR.

MABELLE, New Pink Carnation for 1907

Color—A peculiar shade of lovely pink, with a faint yellowish cast; several shades lighter than the Lawson Unlike most pinks, the brightest sun does not injure the color. Size—3 to 4 inches in diameter when established. Odor—Pleasing, but not strong. Stems—Invariably strong, but always graceful, ranging from 12 to 30 inches during the season. Habit, etc.—A very quick, active grower, making specimen plants in a short time, even from late cuttings On account of its rapid growth, requires supporting very soon after benching. Gets away rapidly, blooms early and gives long stems right from the start. Productiveness—Prodigious is the best word we know of to use here. It is the most incessant bloomer, early and late, we have ever grown. Stock limited. Delivery January 5 to 10 and later. Price, $12.00 per 100, $100.00 per 1000.

THE H. WEBER & SONS CO., Oakland, Md.

Please mention the American Florist when writing.

Le Journal des Roses.

Organ of the French Rosarians.

Published at Paris. Once a month with colored plates.

Subscription $2.70 per Year. Sample Copies Free.

ADMINISTRATION DU SUISNES **JOURNAL DES ROSES**

a SUISNES, Brie

a Grisy-Suisnes. (Seine et M FRANCE.

Please mention the American Florist when writing.

DAHLIAS.

Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring.

DAVID HERBERT & SON,

Successors to L. K. Peacock, Inc., **ATCO, N. J.**

Please mention the American Florist when writing.

SCOTTII FERNS.

We still have a fine stock of this beautiful fern to offer. Fine big plants for 4-in. pots, 10c; 5-in., 15c; 6-in., 25c. This is a fair sample of the many letters received daily: SAN ANTONIO, TEX.

W. W. Coles:—I was very much pleased with my shipment of ferns from you and their condition, so I send another order. F. C. SUCHEY.

Order quick. We need the room. Cash.

W. W. COLES, Kokomo, Ind.

Please mention the American Florist when writing.

ROOTED CUTTINGS.

February and March delivery.

Carnations and Geraniums

Send for list of varieties and prices.

ALBERT M. HERR, Lancaster, Pa.

Please mention the American Florist when writing.

...ASPARAGUS...

Plumosus Nanus, 2-inch pots, $2.00 per 100

PANSY PLANTS, large flowering, $3.00 per 1000; 50c per 100.

CANNAS, dry bulbs, 10 varieties, $3.00 per 100. Cash.

JOS. H. CUNNINGHAM, Delaware, O.

CHRYSANTHEMUMS

AND STOCK PLANTS.

	Per doz.		Per doz.
Rosiere, pink	$1.50	Omega	0.75
Emereter, "	1.00	C. Touset	1.00
Monrovia,	.75	Bergman	.75
Merstham yellow	1.00	Willowbrook	.75

ELI CROSS, Grand Rapids, Mich.

Please mention the American Florist when writing.

LARGEST STOCK OF ALL

Belgian Plants.

AZALEAS, ARAUCARIAS, SWEET BAYS, PALMS, BEGONIAS, GLOXINIAS, ETC.

Louis Van Houtte Pere,

GHENT, BELGIUM.

ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the

"Horticultural Advertiser"

This is the British Trade Paper, being read weekly by all the Horticultural traders: it is also taken by over 1000 of the best continental houses. Annual subscription to cover cost of postage 75c; Money orders payable at Lowdham, Notts.

Address **Editors of "H. A."**

Chilwell Nurseries, LOWDHAM, Notts, England

Order Your Christmas Plants Now.

BEGONIA GLOIRE DE LORRAINE.

We have the stock that will please you.

AZALEAS IN BLOOM.

We will have a fine lot in full bloom for Xmas of Simon Mardner, double red Deutsche Perle, double white, Vervaeneana, double variegated.

Inches in diameter.	Per doz.	Each.
12 to 14	$12 00	$1 25
14 to 16	15 00	1 50
16 to 18	20 00	1 75
18 to 20		2 50
20 to 22		3 00

BEGONIA GLOIRE DE LORRAINE.

You cannot afford to be without this popular Christmas Flowering Plant. We have one large house of handsome plants grown especially for Christmas trade of the following sizes:

	Per doz.
6-inch pans, very bushy plants in bloom	12 00
7-inch pans, very bushy plants in bloom	18 00

XMAS OR CELESTIAL PEPPERS.

One of the best Xmas plants. The plants are covered with bright colored, cone-shaped fruit.

	Per doz.	Per 100
5-inch pots, single plants	$3 00	$20 00
6-inch pans, 3 plants to a pan	5 00	35 00
7-inch pans, 4 plants to a pan	9 00	

POINSETTIAS.

Do not get left again, but secure stock now by placing your order for delivery any time before Xmas. We have two houses full of choice plants in various sizes with good foliage and large bracts.

	Each	Per doz.
6-inch pans, 3 plants in a pan, strong	$1 00	$10 00
7-inch pans, 4 plants in a pan	1 25	12 00
8-inch pans, 5 plants in a pan	1 75	20 00
10-inch pans, 6 plants in a pan	2 50	30 00

JERUSALEM CHERRIES.

Extra strong, bushy plants covered with bright berries; these plants will be extra fine for Christmas trade. 5-inch pots, bushy stock, each, 40c; per doz., $3.00. 6-inch pots, each, 50c; per doz., $5.00.

DRACAENA TERMINALIS.

The popular red leaved plant for the holidays. We have a fine lot, all highly colored.

	Each	Per doz.
5-inch pots	$0 50	$ 5 00
6-inch pots	90	9 00
7-inch pans, 3 plants in a pan	1 50	18 00

ARAUCARIAS.

Large stock in the leading sizes and varieties for Christmas trade.	Each.
Excelsa, 6-inch pots, 5 whorls, 20 to 22 inches high	$1 50
Glauca, 6-inch pots, 3 to 4 whorls, 14 to 15 inches high	1 25
" 6-inch pots, 4 whorls, 18 to 20 inches high	1 50
" 6-inch pots, 4 to 5 whorls, 22 to 24 inches high	2 00
" 7-inch pots, 4 to 5 whorls, 28 to 30 inches high	3 00
Robusta Compacta, 6-inch pots, 2 to 3 whorls, 12 to 14 inches high	1 50
" " 7-inch pots, 5 whorls, 28 to 30 inches high	3 00

PTERIS FERNS.

Large lot of bushy plants suitable for counter trade and filling hampers.

	Per doz.	Per 100.
Pteris Tremula, strong, 4-inch pot plants	$1 25	$10 00
" " strong, 5-inch pot plants	2 00	15 00
" **Wilsoni**, strong, 5-inch pot plants	3 00	20 00

Assorted Pteris Ferns, 2¼-inch pots, per 100 $3.00; per 1000, $25.00.

Large stock of **Boston, Elegantissima, Whitmani** and **Scottii Ferns** in all sizes. Send for price list.

All dormant stock now ready, such as **H. P. Roses, Crimson Ramblers, Hydrangea P. G., Lilacs, Rhododendrons, Azalea Mollis, Deutzias, Clematis, etc., etc.**

VAUGHAN'S SEED STORE,

84-86 Randolph St., CHICAGO. 14 Barclay St., NEW YORK.

Greenhouses and Nurseries: Western Springs, Ill.

Up-to-Date Directory

——Price, $2.00. Giving all the Country's——

FLORISTS, SEEDSMEN, NURSERYMEN.

The American Florist Company's Directory of Florists, Nurserymen and Seedsmen of the United States and Canada.

(Copyrighted and Title Trade-Mark Registered.)

DIRECTORY REVISION.

We are revising our **Trade Directory** of the **Florists, Nurserymen, Seedsmen,** etc., of the United States and Canada, and as there have been many changes in firm names and considerable extension of the area under glass, nursery grounds, etc., you would greatly oblige by filling out this sheet.

When was business established?.....

Whom did you succeed?.....

Are you a Florist?.....

Grower?.....*Retailer?*.....

*How many square feet under glass?**.....

Are you a Nurseryman?.....

Wholesale?.....*Retail?*.....

How many acres operated?.....

Are you a Seedsman?.....

Dealer?.....*Grower?*.....

What are your specialties?.....

.....

Firm name.....

Proprietor's name.....

Manager's name.....

Street.....

Postoffice.....*State*.....

* ☞ To ascertain the number of feet under glass in a given house, multiply the length (145 feet) by the width (12 feet) and you have in that house 1,740 feet under glass, thus.....

145
12
1,740

Horticultural Supply Concerns.

We also list all lines of **Horticultural Supply Concerns,** such as manufacturers of

Greenhouse Building Materials, Boilers, Ventilators, Glass, Insecticides, Pots, Labels, Seed Bags, Fertilizers, Wire Designs, Tinfoil, Vases, Implements, Machinery, Sprayers, Seed Cases, Etc.

The specialties are also listed under these heads in the case of advertisers.

Advertising Rates.

Including Copy of New Edition.

Page (3½x6½ ins.)	$25.00
Half page (3½x3¼ ins.)	15.00
One-fourth page (3½x1⅝ ins.)	9.00

If there are any new firms or trade changes in your vicinity, please give the particulars here:

.....

.....

.....

☞ **PLEASE FILL IN THESE PARTICULARS AND MAIL THIS SHEET TO**

American Florist Company,
Directory Department. **324 Dearborn Street, CHICAGO.**

Newport, R. I.

At the annual meeting of this society held December 11 there was a very large attendance of members. Much interest was shown in the proceedings, especially in the report of the officers and the election of new officers. President MacLellan was in the chair and the reports of the secretaries and treasurer showed the society to be in a very prosperous condition, financially and otherwise. The work of the past year compared favorably with that of the previous years. The officers-elect are as follows: Bruce Buturton, president; Samuel Speers, first vice president; James Robertson, second vice president; David McIntosh, recording secretary; Joseph Gibson, financial secretary; Col. A. K. McMahon, treasurer and Wm. F. Smith, sergeant-at-arms. Alex. MacLellan, Dr. A. J. Anderson, W. J. Matson, John T. Allan, Jas. J. Sullivan, Andrew Christensen, Stewart Ritchie, W. F. Smith and John W. Gibson are members of the executive committee and W. S. Sisson, Thos. B. Connolly and W. H. Young are the auditors.

D. M.

SURPLUS STOCK

In Excellent Condition.

NEW YEAR, the time of balls and parties, is now on the programme. What will you use to decorate the tables and homes of your customers with? Take my advice and use (for a change) an

Araucaria Compacta Robusta or a Glauca

(the size and kind I grow). You will be surprised at the effect that it will make on the table or wherever it is placed. The plants I have are as perfect as nature could produce. The brush of an artist could not paint them any better, and prices are cheap. Just look:

6 to 7 in. pots, 4, 5 to 6 years old, 4, 5 to 6 tiers, 25 to 30 in. high and wide, $1.50, $1.75, $2.00 to $2.50 each.

EXCELSA GLAUCA, 5 years old, 7-in. pots, specimen plants, 6 to 7 tiers, 30 to 35 in. high and wide (you never saw anything better in your life than these are), $2.00, $2.50 to $3.00 each; 6-in. pots, 3 years old, 3, 4 to 5 tiers, 16 to 20 in. high and wide, $1.00 to $1.25 each.

ARAUCARIA EXCELSA, 6-in. pots, 5, 6 to 7 tiers, 4 years old, 25 to 30 in. high, $1.00, $1.25 to $1.50.

KENTIA FORSTERIANA, 7-in. pots, made-up plants, 1 large size, about 45 to 48 in. high in the center, and 3 smaller sizes, 25 x 30 in. high around, which gives them a good appearance, $2.00 to $2.50 each; 6-in. pots, single plants, 36 to 45 in. high, 5 to 6 good leaves 4 years old, $1.25, $1.50 to $1.75 each; 6-in. pots, 32 to 36 in. high, 5 to 6 good leaves, 4 years old, $1.00 each; 5½ to 6 in. pots, 4 years old, 30 in. high, 5 good leaves, 4 years old, 75c.

DRACAENA BRUANTI, (imported), 30 in. high, full of green, waxy foliage from top to bottom; the only Dracaena for parlor, store or house culture, that can stand heat, dust and dirt; 6-in. pots, 50c, $5.00 per doz.

BOSTON FERNS, 7-in., very bushy, only 75c; 6-in., 50c or $5.00 per doz.; 5-in., 30c to 35c; 4-in., 20c

NEPHROLEPIS SCOTTII, 8-in., as big as a washtub, worth $3.00, now $1.50; 7-in., as big as a bushel basket, worth $1.50, now 75c to $1.00; 6-in., 50c; 5¼-in., 40c; 5-in., 30c to 35c; 4-in., 20c to 25c.

NEPHROLEPIS BARROWSII, 7 in. pots, as big as a bushel basket, 75c to $1.00 each; 6-in. pots, large, ready for 7-in., 50c; 5½-in., 40c; 5-in., 35c; 4-in., 25c.

MAIDENHAIR FERNS, 6-in. pots, 40c.

AZALEAS, in bloom and bud, Simon Mardner, double pink; Vervæneana double rose variegated; Deutsche Perle, double white, 75c, $1.00, $1.25 to $1.50 each.

CASH WITH ORDER. All plants must travel on **purchaser's risk only.**

When ordering, say whether the plants should be shipped in the pots or not.

GODFREY ASCHMANN,

Importer and Wholesale Grower of Pot Plants.

1012 Ontario St., PHILADELPHIA, PA.

New Carnations for 1907.

	Per 100	Per 1000
BEACON, Peter Fisher's new red. We have the cuttings on hand now	$12 00	$100 00
For January delivery we can promise		
ROSE PINK ENCHANTRESS	7 00	60 00
RED CHIEF, WINSOR and **BONNIE MAID**	12 00	100 00
ARISTOCRAT, for Feb. delivery	12 00	100 00
The best of 1906 introduction, Jan. delivery.		
WHITE PERFECTION, CANDACE, MELODY, VICTORY, ROBT. CRAIG	6 00	50 00

POT GROWN STOCK FOR EASTER FORCING.

	Per doz.	Per 100
AZALEA MOLLIS, 15-18 in. high, 20-30 buds	$ 4 50	$35 00
AUCUBA JAPONICA, variegated, bushy plants, 2 feet high	5 00	
DEUTZIA Gracilis, 6-in. pot grown, only kind to force	1 50	12 00
" Lemoine, pot grown, for forcing	2 50	20 00
LILACS, Chas. X. Marie Legraye and Souv. de Louis Spath, bushy, pot grown, well set with buds	9 00	65 00
MAGNOLIA Halleana, 2 feet with buds	$1 50 each	15 00
" Soulangeana, 4 feet with buds	1 75 each	18 00
RHODODENDRONS, all the best kinds and colors, in bushy, well shaped plants, and what is more important, every plant contains 10-15 well developed buds	1 25 each	12 00
HYBRID ROSES, all the best kinds, 2-year dormant		11 00
CRIMSON RAMBLER, extra select, 2-year-old, 3-4 feet canes		12 00
" " 3-year-old, 4-5 feet canes		15 00
FRAU KARL DRUSCHKE, the new white rose, strong 2-year-old, field-grown	2 00	15 00
AM. BEAUTY, strong dormant 2-year old	2 00	15 00
KAISERIN AUG. VICTORIA, strong dormant 2-year-old	2 00	15 00
BABY RAMBLER, strong dormant 2-year old	3 00	25 00
" " " 1-year-old	2 00	15 00
LA FRANCE, strong dormant 2-year-old	2 00	15 00
GRUSS AN TEPLITZ, strong dormant 2-year-old	2 00	15 00

MANETTI STOCKS for grafting; extra fine quality; sure to please.
French stock ..... $1 50 per 100; $12 00 per 1000; $50 00 per 5000; $ 80 00 per 10000
English stock ..... 2 00 " 15 00 " 60 00 " 100 00 "

VAUGHAN'S SEED STORE, 84-86 Randolph St., CHICAGO
14 Barclay St., NEW YORK.

Greenhouses and Nurseries: Western Springs, Ill.

Please mention the American Florist when writing

ROOTED CUTTINGS. Roses and Carnations.

ROSES.	Per 100	Per 1000
Bride	$1.50	$12.50
Bridesmaid	1.50	12.50
Chatenay	1.50	12.50
Richmond	1.50	12.50
Carnot	2.50	20.00
Kaiserin	2.50	20.00
Perle	2.50	20.00
American Beauty	3.00	25.00

CARNATIONS.	Per 100
Enchantress	$2.50
Bountiful	2.50
Wolcott	1.50
Lawson	1.50
Queen	1.50
Harlowarden	2.00

Our cuttings are all strong, healthy and well rooted. All cuttings shipped from Hinsdale.

BASSETT & WASHBURN,

Office: 76 Wabash Ave., Chicago. Greenhouses: Hinsdale, Ill.

Queen Beatrice Rose.

Four to one shot. Four times as many flowers as Maid.

F. H. KRAMER, 916 F St., WASHINGTON, D. C.

Please mention the American Florist when writing.

White Enchantress Carnation

White Sport of Enchantress.

ROOTED CUTTINGS—$12 per 100; $100 per 1000.

E. SCHRADER,

NEW SPRINGVILLE, Richmond Borough. New York

Please mention the American Florist when writing.

"VICTORY"

The best scarlet carnation ever introduced to the trade. It has given universal satisfaction everywhere. We have them in quantity: December 1, or later, delivery. **$6.00** per 100; **$50.00** per 1000.

JENSEN & DEKEMA,

674 W. Foster Ave., CHICAGO.

CHRYSANTHEMUMS.

All Varieties to Suit Everybody.

See bargain offer in issue of Dec. 15th.

Send for Preliminary List.

NATHAN SMITH & SON, Adrian, Mich.

CHRYSANTHEMUM

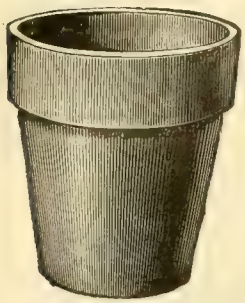
STOCK PLANTS.

	Per doz.	100
Morton F. Plant (Totty's new pink)	$3 00	$20.00
Jeanne Nonin (best late white)	1.00	8.00

HENRY I. FAUST, Merion Station, Pa.

IT IS NOT...

what you pay for the advertisement but what the advertisement pays you. It pays to advertise in the **American Florist.**



The Whilldin Pottery Co.

STANDARD FLOWER POTS

Our output of Flower Pots is larger than any concern in the World
Our Stock is always Large and Complete

Main Office and Factory,
713 WHARTON STREET, PHILADELPHIA
WAREHOUSES: JERSEY CITY, N. J. LONG ISLAND CITY, N. Y.

Clipper Lawn Mower Co. DIXON, ILL.

The Mower

that will **kill all the weeds in your Lawn.** If you keep the weeds cut so they do not go to seed and cut your grass without breaking the small feeders of roots, the grass will become thick and the weeds will disappear.

The Clipper will do it. Ask your dealer for them. If they have not got them, below is the price: No. 1—12-inch Mower, $5; No. 2—15-inch Mower, $6; No. 3—18-inch Mower, $7; No. 4—21-in. Mower, $8. Send draft money-order or reg. letter.

THE BEST Bug Killer and Bloom Saver.

For **PROOF** Write to

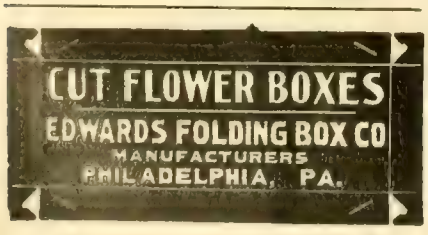
P. R. PALETHORPE COMPANY,
LOUISVILLE, KY.

GEO. KELLER & SON,
MANUFACTURERS OF
FLOWER POTS.
Before buying write for prices.
361-363 Herndon Street, near Wrightwood Ave.,
CHICAGO, ILL.

Kramer's Pot Hangers

For Sale by Wholesale Seedsmen, Florists and Supply Dealers.
Price, $1.00 per dozen by express. Sample dozen by mail, $1.25.

L. N. Kramer & Son, CEDAR RAPIDS, IOWA.



THE KELLER POTTERY COMPANY,

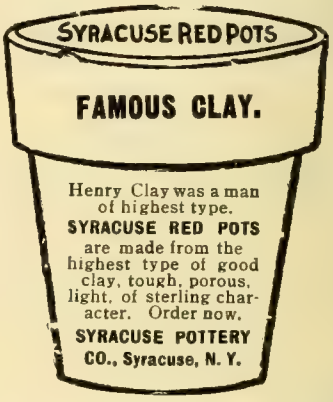
Manufacturers of **FLORISTS' RED STANDARD POTS.**
Azalea Pots, Bulb and Fern Pans, Etc.
Write for Price List. 213-15-17-19-21-23 Pearl St., NORRISTOWN, PA.

IONIA POTS.

STRONG POROUS DURABLE

In potting you will appreciate their smooth, well rounded edges. And this is but one of the many reasons why **IONIA POTS,** by superior merit alone have won a lasting place in the hearts of all our patrons. Remember us with your next order.

IONIA POTTERY COMPANY, Ionia, Mich.



CUT FLOWER BOXES WATERPROOF Corner Lock Style.

The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always.

Size No.		Per 100	Per 1000
0.	3x 4x20	$2.00	$19.00
1.	3x 4½x16	1.90	17.50
2.	3x 6x18	2.00	19.00
3.	4x 8x18	2.50	23.00
4.	3x 5x24	2.75	26.00
5.	4x 8x22	3.00	28.50
6.	4x 8x28	3.75	36.00
7.	6x16x20	5.50	54.00
8.	3x 7x21	3.00	28.50
9.	5x10x35	6.50	62.00
10.	7x20x20	9.50	67.50
11.	3½x5x30	3.00	28.50

Sample free on application. No charge for printing on orders above 250 boxes. Terms cash.
THE LIVINGSTON SEED COMPANY,
Box 104, COLUMBUS, OHIO.

Standard Flower Pots!

Packed in small crates, easy to handle.

Price per crate			Price per crate		
1500 2-in., in crate,		$4 88	120 7-in., in crate,		$4 20
1500 2¼	"	5.25	60 8	"	3.00
1500 2½	"	6.00	HAND MADE.		
1000 3	"	5.00	48 9-in., in crate,		$3.60
800 3½	"	5.80	48 10	"	4.80
500 4	"	4.50	24 11	"	3.60
320 5	"	4 51	24 12	"	4.80
144 6	"	3.16	12 14	"	4.80
			6 16	"	4.50

Seed pans, same price as pots. Send for price list Cylinders for Cut Flowers, Hanging Baskets, Lawn vases, etc. Ten per cent off for cash with order. Address
HILFINGER BROS. POTTERY, Fort Edward, N. Y
or AUGUST ROLKER & SONS, New York Agents, 31 Barclay Street, New York City.

Those Red Pots
"STANDARDS"
FULL SIZE AND WIDE BOTTOMS, BULB PANS AND AZALEA POTS.
DETROIT FLOWER POT M'F'Y.
HARRY BALSLEY, Rep. DETROIT, MICH. 490 Howard St.

Red Standard Flower Pots

Price list and samples on application.
PADUCAH POTTERY CO., Inc.
PADUCAH, KENTUCKY.

L. BAUMANN & CO.,
Importers and Manufacturers of
Florists' Supplies
76-78 Wabash Ave., CHICAGO.
Write for our New Catalogue F. Our prices may interest you.

REED & KELLER,
122 W. 25th St., NEW YORK.
FLORISTS' SUPPLIES.
We manufacture all our
Metal Designs, Baskets, Wire Work & Novelties
and are dealers in **Glassware, Pottery, Decorative Greens and all Florists' Requisites.**

Please mention the American Florist when writing

Tobacco Paper IS THE STRONGEST, BEST PACKED, EASIEST APPLIED.

24 sheets.....$ 0.75
144 sheets..... 3.50
288 sheets..... 6.50
1728 sheets..... 35.10

"NICO-FUME" LIQUID

OVER 40% NICOTINE.

Furnishes the Most Nicotine for the Money!

Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.

By far the **CHEAPEST.**

JUST NOTE PRICES!

Pint.....$ 1.50
½ Gallon..... 5.50
Gallon..... 10.50
5 Gallons..... 47.25

THE STANDARD

VENTILATING MACHINERY

The original machine with self-oiling cups. The most powerful, least complicated, very compact, with ease of operation.

The New Duplex Gutter

Over six miles in use and highly recommended by all. The only **Drip Proof** gutter on the market.

The Standard Return Steam Trap

It has no equals for simplicity or its working. Catalogue free.

E. HIPPARD, Youngstown, Ohio.

Please mention the American Florist when writing.

You Know We Moved to 125 N. 10th St.,
into our large building. We can supply you with all

CHRISTMAS GOODS

Such as **Cycas, Magnolia Wreaths, Bells, Immortelles, Etc.**

—Keep your "I" on the Enterprising Supply House of—

J. STERN & CO., 125 N. 10th St., PHILADELPHIA, PA.

Please mention the American Florist when writing.

Greenhouse Material

Made of clear Gulf Cypress is what we manufacture. We supply everything for your houses and your carpenter does the rest with the working plans we furnish. Let us figure on your requirements. We can save you money.

S. JACOBS & SONS,
1365-79 Flushing Ave., BROOKLYN, N. Y.

Please mention the American Florist when writing.

The James H. Rice Co.

IMPORTERS and JOBBERS

GREENHOUSE GLASS

A SPECIALTY.

Window Glass, Paint, Putty, etc.

Office and Warehouse: Corner of Michigan, St. Clair and Illinois Streets, CHICAGO.

RHODES DOUBLE CUT PRUNING SHEAR

Cuts from both sides of limb and does not bruise the bark. We pay Express charges on all orders. Write for circular and prices.

RHODES MFG. CO.
Dept. 3. GRAND RAPIDS, MICH.

Please mention the American Florist when writing.

GLASS

GOOD BRANDS.
QUICK SHIPMENTS.
LARGE STOCK.

Warehouse on railroad switch. **Be Sure and Get Our Prices.**

SHARP, PARTRIDGE & CO.,
22nd and Lumber Sts., CHICAGO.

Please mention the American Florist when writing.

Carman's Antipest

INSECTICIDE AND FUNGICIDE

For the Garden, Orchard and Greenhouse.

Non-poisonous and harmless to vegetation.

Kills Green Fly, Aphides, Bark Lice, Thrip, Mealy Bug, Red Spider, Scale, Wire Worms, Ants and Slugs.

This is the Grower's Friend, handy to use, cheap and effective, mixes readily in water. Destroys all insect pests and keeps down filth. Circulars on application. **$1.50 per gallon.** Also in quarts, half gallons and in bulk.

PERFECTION CHEMICAL CO.,
FLUSHING, N. Y.

Please mention the American Florist when writing.

EVANS' IMPROVED CHALLENGE VENTILATING APPARATUS

WRITE FOR ILLUSTRATED CATALOGUE
QUAKER CITY MACHINE WORKS,
RICHMOND, IND.

Please mention the American Florist when writing

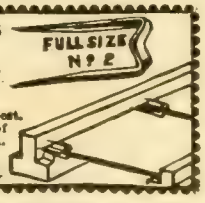
Holds Glass Firmly See the Point

PEERLESS

Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.

HENRY A. DREER,
714 Chestnut St., Phila., Pa.

FULL SIZE No. 2



Please mention the American Florist when writing.

STENZEL GLASS CO.,

GREENHOUSE GLASS.

French and American "WHITE ROSE" Brand.

2 Hudson St., NEW YORK.

Please mention the American Florist when writing

Gold Fish Aquaria

and Aquarium Supplies.

Write for catalogue.

FRED KAEMPFER
88 State Street, CHICAGO, ILL.

RIBBONS—SPECIALTIES

Our **VIOLET TIES** are new and original. They combine simplicity, grace and beauty. Write for sample.

WILLIAM B. LAKE, 2535 N. 34th St., PHILADELPHIA, PA.

H. M. HOOKER CO.

Window Glass, Paints and Putty.
Greenhouse Glass a Specialty.

59 W. Randolph St., CHICAGO.

Please mention the American Florist when writing.

Index to Advertisers.

Adv rates....1056
Advance Co The... V
Allen J K....1065
Amling E C....1060
AndorraNurseries..1071
Aschmann Godfrey..1077
Atlanta Floral Co..1067
Austin H....1059
Barrows Henry&Son 1063
Bassett &Washburn. 1060 1077
Baumann L & Co...1078
Beaven E A....1059
Beckert W C....1069
Bell & Breberstedt.1069
Benthey-Coatsworth Co....1060
Berckmans P J Co. 1071
Berning H G. ... 1063
Bertermann BrosCo1066
Blackistone Z D....1067
Blameuser E H....1074
Boddington A T ...1069
Boland J B Co....1067
Brant S D....1067
Breitmeyer's J Sons1066
Bruns H N IV
Budlong J A....1060
Burpee W A & Co..1069
Byer Bros....1072
Caldwell the Woodsman Co....1059
Carlton H R....1074
Carmody J D....1088
ChicagoCarnationCo ....I II
Chicago House Wrecking Co....1088
Cleveland CutFloCo1067
ClipperLawnMower Co....1078
Coles W. W....1075
Conard & Jones Co.1073
Cooke Geo H....1066
Cotsonas Geo & Co. 1065
Cottagegardens 1071
Cowee W J....1080
Craig Robert Co....1063
Cross Eli....1075
Cunningham Jos H.1075
Daniels & Fisher...1066
Davis Bros....1063
Davis F P....1067
Deamud J B Co....1061
DetroitFloPotMfy..1078
Dietsch A Co.... V
Diller Caskey & Co.1088
Dillon J L....1073
Dingee&ConardCo.1073
Donohoe W H....1066
Dorner F & SonsCo. I
Dreer H A....1058 1079
Dreyer R....1074
Dumont & Co....1059
Dunford J W....1067
Eberman C W....1065
EdwardsFold'gBox.1078
Elliott Wm H....1063
Emmans Geo M....1073
Eyers H G....1067
Faust Henry J.... 1077
Fellouris A J....1065
Fennell L A....1073
Fischer R....1074
Florists'HailAss'n..1080
Flower Growers Co.1060
Foley Mfg Co....1088
Ford Bros....1065
For Sale and Rent..1057
Froment H E....1065
Galvin ThosF....1062
Garland Geo M.... V
Garnsey M V.... V
Giblin & Co.... VI
Globe Eng Co....1074
Gude A & Bro....1066
Gullett W H &Sons1073
Gundestrup K & Co .IV
Gurney Heater Co. VI
Guttman Alex J....1065
Haines John E....1073
Hansen M A....1066
Hartman Hjalmar..1069
Hauswirth P J....1066
Heller & Co....1069
Henshaw A M....1065
Herbert D & Son...1075
Herr Albert M....1075
Herrmann A....1080
Hess & Swoboda...1066
Hews A H & Co....1078
Hilfinger Bros....1078
Hill The E G Co.... I
Hippard E....1079
Hitchings & Co... VI
Holm &Olson....1066
Holton& Hunkel Co1063
Hooker H M Co....1079
Hort Advertiser 1075
Hort Trade Journal.1088
Hunt E H....1060
Igoe Bros.... V
Ionia Pottery Co ...1078
Isbell S M & Co....IV
Jackson&PerkinsCo1071
Jacobs S & Sons....1079
Janesville Floral Co1072
Jensen & Dekema..1077
Johnston HeatingCo1088
Journal Des Roses..1075
Kaempfer Fred....1079
Kasting W F.... I
Keller Geo & Son..1078
Keller J B & Sons..1067
Keller Pottery Co..1078
Kellogg Geo M....1066
Kennicott Bros Co.1060
Ky Tob Prod Co..1079
Kervan Co The....1065
Kessler P....1065
KingConstructionCo V
Klehm's Nursery ..1071
Kramer F H....1077
Kramer I N & Son .1078
Kroeschell Bros Co1088
Kuehn C A....1063
Kuhl Geo A.... 1067
Lager & Hurrell....1065
Lake Wm B....1079
Lange A....1066
Langjahr A H....1065
Lecakes N & Co....1065
Leedle Floral Co...1071
Lilly Chas H & Co 1069
Livingston Seed Co. 1066 1078
Lord & Burnham Co. VI
Matthews. Florist..1067
McCullough's J M Sons Co....1063
McKellar Chas W..1061
McKissick W E....1063
May H B & Sons....IV
Mayberry & Hoover1066
Mich Cut Flower Ex1059
Miller Theo....1067
Mills the Florist....1066
Moninger J C Co.... V
Moon The Wm H Co1071
Moore Hentz&Nash1065
Morse C C & Co....1069
Morehead Mfg Co..1080
Mosbaek L....1073
Murdoch J B & Co .1063
Murray Samuel....1066
Myers & Co.... V
Natl FloBd ofTrade1088
N Y Cut Flower Ex 1065
Niessen Leo Co 1063
Niuffer C M....1071
Northern Mich Evg Nursery....1059
Olbertz J....1088
Pacific Seed Co....IV
Paducah Pottery ...1078
Palethorpe P R Co.1078
Palmer W J & Son.1066
Park Floral Co....1066
Pennock Meehan Co1062
PerennialGardensCo 1071
Perfection Chem Co1079
Peterson's Nursery.1071
Peterson J A.... I
Peeters A J Seed Co1069
Pierson F R Co.... I
Pierson U Bar Co... V
PittsburgCut Flo Co1059
Pittsburg FloristEx1063
Poehlmann Bros Co ....II 1060
Pollworth C C Co 1066
Quaker City Machine Works....1079
Randall A L Co....1067
Rawson W W & Co.IV
Raynor J I....1065
Ready reference....1081
Reed & Keller....1078
Regan Print House. V
Reinberg Peter.... III
Rhodes MfgCo....1079
Rice Bros....1058
Rice James H Co...1079
Rising—Dunscomb Co....1067
Robinson H M & Co. 1058 1059
Roehrs Julius Co....1065
Sander & Son 1065
Satler L L Lumb'r Co V
Scharff Bros....1073
Scheiden & Schoos.1060
Scheepers John&Co1069
Scherer John P....1065
Schillo Adam....1080
Schrader E....1077
Schultheis Anton...1072
Schulz Jacob....1067
Seligman Jno....1065
SharpPartridge&Co1079
Sheridan W F....1065
ShippensburgFloCo1072
Siebert Co.... V
Sinner Bros. 1060
Situations & Wants1057
Skidelsky S S....1063
Smith Wm C....1063
Smith Nathan &Son1077
Smith W & T Co.... I
Smits Jacs....1071
Standard Pump & Engine Co.... .. VI
Staer J....1069
Stearns Lumber Co VI
Stenzel Glass Co...1079
Stern J & Co....1079
Stokes Seed Store..1069
Stoothoff H A & Co1088
Storrs &Harrison Co1071
Styer J J....1069
Syracuse Pottery Co1078
Taylor F G Seed Co.IV
Thompson J D Carnation Co.... I
Texas Seed& FloCo1069
Thorburn J M & Co. IV
Tipton Ghrs....1073
Totty Chas H 1065
Traendley& Schenck 1065
VanHoutte PereSons 1075
Vaughan & Sperry..1060
Vaughan's Seed Store ....IV 1075 1077
Vick's Sons Jas.... IV
Vincent R Jr & Son. 1069 1074
Virgin U J....1066
Wanzer E F....1072
Ware Thos S....1071
Weber F C....1066
Weber H & Sons...1074
Weeber & Don....IV
Weiland & Risch...1060
Welch Bros....1063
Whilldin Pot Co....1078
Wietor Bros...1059 1061
Wild Gilbert H....1071
Wilson Andrew V
Wilson Robt G....1066
WintersonE F Co...1059
WittboldGeo Co10601073
Wood Bros....1074
Youngs 1067
Young A L & Co...1065
Young Thos....1065
Zech & Mann.III .1060

HERE IS AN HONEST PROPOSITION

We have sufficient confidence in the Morehead Trap that we will send one on a 30 day's trial.

If it does not demonstrate in that time that it improves your heating system, that it saves money for you by decreasing fuel bills, and is the best return trap on the market, it will cost you nothing.

Write for Our Florists' Catalogue.

MOREHEAD MFG. CO.

1047 Grand River Ave.
DETROIT, - MICH.

Please mention the American Florist when writing.

—THE—

Florists' Hail Association

Insures over 23,000,000 square feet of glass. for particulars address

JOHN G. ESLER, Sec'y, SADDLE RIVER, N. J.

A. HERRMANN,

Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florists' Supplies.

SEND FOR PRICES.

404-412 East 34th St., NEW YORK.

PAID UP....

Subscriptions Show That Readers Like the Paper.

LUMBER for Greenhouse Benches, Ship Lap, Drop Siding, Sheathing, Flooring, White Cedar Posts, Etc.

We are in special position to furnish "PECKY CYPRESS" everything in PINE and HEMLOCK BUILDING LUMBER. WRITE FOR PRICES.

Adam Schillo Lumber Co. Cor. Weed and Hawthorn St., CHICAGO. Tel. North 1626 and 1627.

AMERICAN FLORIST ADVERTISING RATES.

Our advertising rates are 4s 2d per inch, single column width. £6 3s 3d per page of thirty inches, with discounts on consecutive insertions as follows:

6 insertions..... 5 per cent. 26 insertions.....20 per cent.
13 insertions.....10 per cent. 52 insertions.....30 per cent.

Space on front pages and back cover page is sold only on yearly contract at 4s 2d per inch net. Remit by foreign postoffice money order.

ANZEIGERATEN DES AMERICAN FLORIST.

Unsere Anzeigeraten sind: für den Zoll der einzelnen Spalte, $1.00 (M. 4.17); für die Seite, 30 Zoll, $30 (M. 125). Bei mehrmaligen Einrückungen werden Diskontoraten gewährt, wie folgt:

6 Einrückungen..... 5%; 26 Einrückungen.....20%;
13 Einrückungen.....10%; 52 Einrückungen.....30%.

Raum auf den vorderen Seiten und auf der Rückseite des Umschlages wird nur in Jahreskontrakten und zu $1.00 (M. 4.17) den Zoll netto abgegeben. Zahlungen sind mittels Postanweisung erbeten.

TAUX D'ANNONCES DANS L'AMERICAN FLORIST.

Nos taux d'annonces sont $1.00 (Frs. 5-15) par pouce, largeur simple colonne, $30.00 (Frs. 154-50) par page de trente pouces avec escomptes sur les insertions consécutives, comme suit:

6 insertions.....5 pour cent. 26 insertions.....20 pour cent.
13 insertions.....10 pour cent. 52 insertions.....30 pour cent.

La place occupée par des annonces sur la première et la dernière couverture ne s'accorde que par contrat annuel au taux de $1.00 (Frs. 5-15), net, par pouce. Faites remise par Mandat-poste International.

Wired Toothpicks

10,000, $1.50; 50,000, $6.25. Manufactured by

W. J. COWEE, BERLIN, N. Y.

Sample free. For sale by dealers.

Ready Reference Advertising.

ADVERTISEMENTS IN THIS DEPARTMENT 10 CENTS PER LINE, CASH WITH ORDER.
COPY MUST REACH US MONDAY OF THE WEEK IN WHICH IT IS TO APPEAR

AGERATUMS.

Ageratum, Gurney and Pauline, R. C., 60c per 100, prepaid. Shippensburg Floral Co., Shippensburg, Pa.

Ageratums, leading vars., R. C., 60c. Byer Bros., Chambersburg, Pa.

ALTHEAS.

Althea Edward Bellamy, best double white, 2 to 3 feet, to close out, $5 per 100; $40 per 1,000. The E. Y. Teas Co., Centerville, Ind.

AMPELOPSIS.

Ampelopsis Veitchii, 2-yr., field-grown, $6 per 100; $55 per 1,000. Dingee & Conard Co., West Grove, Pa.

ARAUCARIAS.

Araucarias, excelsa, 6-in., 5 whorls, 20 to 22 ins. high, $1.50 each. Glauca, 6-in., 3 to 4 whls., 14 to 15 ins., $1.25 each; 6-in., 4 whls., 18 to 20 ins., $1.50 each; 6-in., 4 to 5 whls., 22 to 24 ins., $2 each; 7-in., 4 to 5 whls., 28 to 30 ins., $3 each. Robusta compacta, 6-in., 2 to 3 whls., 12 to 14-ins., $1.50 each; 7-in., 5 whls., 28 to 30 ins., $3 each. Vaughan's Seed Store, Chicago and New York.

Araucarias, 6 and 7-in., 4, 5 and 6 tiers, 25 to 30 ins. high, $1.50, $1.75, $2 and $2.50 each. Excelsa glauca, 7-in., specimens, 6 to 7 trs., 30 to 35 ins. high, $2, $2.50 and $3 each; 6-in., 3, 4 and 5 trs., 16 to 20 ins., $1 and $1.25 each. G. Aschmann, 1012 Ontario St., Philadelphia.

Araucaria Excelsa, 6-in., 3 to 4 tiers, $1 each; $12 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Araucaria excelsa, 16 to 18 ins., 4 to 5 tiers, 50c each; $5 per doz. The Conard & Jones Co., West Grove, Pa.

Araucaria excelsa. R. Dreyer, Woodside, L. I., N. Y.

Araucarias. L. Van Houtte Pere, Ghent, Belgium.

ASPARAGUS.

Asparagus plumosus, 2-in., $3 per 100; 3-in., $6. Sprengeri, 2-in., $3 per 100; 3-in., $6; 4-in., $1.25 per doz.; 5-in., $2. George Wittbold Co., 1657 Buckingham Pl., Chicago.

Asparagus plumosus nanus, 15,000 fine young plants from 2¼-in. pots, worth $3, to close out, $1.50 per 100; $15 per 1,000. The W. T. Buckley Co., Springfield, Ill.

Asparagus plumosus and Sprengeri, 2, 2½, 3 and 4-in., $2, $2.50, $5, $8 per 100. Ludvig Mosbaek, Onarga, Ill.

Asparagus plumosus, 2¼-in., $3; 3-in., $5. Sprengeri, 3-in., $4. W. H. Gullett & Sons, Lincoln, Ill.

Asparagus plumosus, 3-in., $5 per 100. Sprengeri, 3½-in., $6 per 100. Scharff Bros., Van Wert, O.

Asparagus plumosus, 3-in., $5 per 100. Sprengeri, 2½-in., $2.50 per 100. E. T. Wanzer, Wheaton, Ill.

Asparagus Sprengeri, 2½-in., $3 per 100; $25 per 1,000. J. W. Dunford, Clayton, Mo.

Asparagus plumosus, 2-in., $2 per 100. Jos. H. Cunningham, Delaware, Ohio.

Asparagus Commorensis, 2-in., $4 per 100; $35 per 1,000. J. F. Wilcox, Council Bluffs, Iowa.

Asparagus Sprengeri, 2-in., $2.50 per 100; plumosus, 2-in., $3 per 100; 3-in., $5 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus Sprengeri and plumosus, 2½-in., $4 per 100. Dingee & Conard Co., West Grove, Pa.

AUCUBAS.

Aucuba Japonica, 10-in., 3 ft., $1.50 each. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Aucuba Japonica, Var., 2 ft. high, $5 per doz. Vaughan's Seed Store, Chicago and New York.

AZALEAS.

Azealeas, assorted vars., 8 to 10-in. crowns, $3.25 per doz.; $25 per 100; 10 to 12-in., $4.50 per doz.; $35 per 100; 12 to 14-in., $6 per doz.; $45 per 100; 14 to 16-in., $7 per doz.; $55 per 100; 16 to 18-in., $12 per doz.; $90 per 100. Deutsche Perle, Empress of India, Bernard Andreas Alba, Simon Mardner, Mme. Van der Cruyssen, De Schryveriana. Niobe, Apollo, Emperor of Brazil, 18-in., diam., $18 per doz. Mme. C. van Langenhove, Empress of India, Simon Mardner, Niobe, Bernard Andreas Alba, Mme. Van der Cruyssen, 18 to 20-in. diam., $2 each. Mme. Van der Cruyssen, 20 to 22-in. diam., $2.50 each. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Azalea indica, early and late vars., Simon Mardner, Empress of India. Niobe, Prof. Walters, Mme. Van der Cruyssen, Helen Theilman, 10 to 12-in. crowns, $35 per 100; 12 to 14-in., $45 per 100; 14 to 16-in., $55 per 100; 16 to 18-in., $90 per 100. Mollis, bushy well budded seedling. 12 to 15 ins. high, $25 per 100; 15 to 18 ins. high, $35 per 100. Storrs & Harrison Co., Painesville, O.

Azaleas, Simon Mardner, dbl. red and Deutsche Perle, dbl. white, Vervæneana, dbl. var., 12 to 14 ins. diameter, $1.25 each; $12 per doz.; 14 to 16 ins., $1.50 each; $15 per doz.; 16 to 18 ins., $1.75 each; $20 per doz.; 18 to 20 ins., $2.50 each; 20 to 22 ins., $3 each. Vaughan's Seed Store, Chicago and New York.

Azaleas, in bud and bloom, Simon Mardner, Vervæneana, Deutsche Perle, 75c, $1, $1.25 and $1.50 each. G. Aschmann, 1012 Ontario St., Philadelphia.

Azaleas. Cottage Gardens Co., Queens, L. I. N. Y.

Azaleas. L. Van Houtte Pere, Ghent, Belgium.

Azaleas. Jacs Smits, Ltd., Naarden, Holland.

BAY TREES.

Bay trees, fine stock. R. Dreyer, Woodside, L. I., N. Y.

Bay Trees. L. Van Houtte Pere, Ghent, Belgium.

BEGONIAS.

Rex begonias, asst., R. C., $1.25 per 100 prepaid. Shippensburg Floral Co., Shippensburg, Pa.

Begonia Gloire de Lorraine, very bushy, plants in bloom, 6-in., $12 per doz.; 7-in., $18 per doz. Vaughan's Seed Store, Chicago and New York.

Begonia Rex, 2 and 2½-in., $5 per 100. Geo. M. Emmans, Newton, N. J.

Begonia, Gloire de Lorraine, J. A. Peterson, Westwood, Cincinnati, O.

Begonias, R. C., $1.50 per 100. S. D. Brant, Clay Center, Kans.

Rex begonias, 3-in., 8c. Byer Bros., Chambersburg, Pa.

Begonias, Rex, 4-in., $15. Geo. A. Kuhl, Pekin, Ill.

Begonias. Thos. S. Ware, Ltd., Feltham, England.

Begonias. L. Van Houtte Pere, Ghent, Belgium.

BOXWOOD.

Boxwoods, pyramids in tubs, 3 ft., $4 each; 4 ft., $5 each; bush form, 4 ft., $5 each; 1 ft., 35c each, $4.20 per doz.; 1½ ft., 50c each. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

BULBS, ROOTS, TUBERS.

Bulbs, Dutch hyacinths, about $2 per 100; Baron Von Thuyll, Gertrude, Czar Peter, Mme. Van der Hoop, Chas. Dickens, Grand Maitre. Single hyacinths, separate colors, $2.75 per 100; White and blush rose. Double hyacinths, sep. colors, $2.75 per 100; rose, pure white, white and blush. Narcissus, Incomparable, Orange Phoenix, Empress, Emperor, Grand Primo, Soleil d'Or, Ard Righ. Tulips, from 1,500 to 3,000 of each. Duchess of Parma, Mon. Tresor, Thos. Moore, Rose Gris de Lin, Vaughan's New Pink, Rosa Mundi, Crimson King, Gesneriana, Joost Van Vondel, Princess Marie Ann, Pottebakker, Belle Alliance, Proserpine, Dusart, gold striped and scarlet; Rembrandt, Gold Finch, single late mixed; double named; Murillo, Tournesol, red and yellow, Crown d'Or, Imperator Rubrorum, Rosine, Rose Blanche, dbl. early extra mixed, dbl. early fine mixed, dbl. extra late mixed. Vaughan's Seed Store, Chicago and New York.

Boxwood, 12 to 20 ins., 75c per pair; 24 ins., $1 per pair. Pyramids, 3 ft., $2.50 to $3 per pair; 4 ft., $3 to $4; 4 ft. 6 ins., $5; 5 ft., $7. A. Schultheis, College Point, N. Y.

Bulbs, L. Longiflorum, 6 to 8 ins., $3 per 100; $27 per 1,000; 7 to 9 ins., $5 per 100; $45 per 1,000; Multiflorum, 6 to 8 ins., $3 per 100; $28 per 1,000; 7 to 9 ins., $5.50 per 100; $50 per 1,000. Lily of the valley pips. J. M. Thorburn & Co., 33 Barclay St., New York.

Sparaxis, $3.50 per 1,000. Ixias, mix., $2.50 per 1,000. Oxalis (Bermuda buttercup) $6 per 1,000. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Bulbs, Narcissus Empress and Henry Irving, Candidum lilies. E. F. Winterson Co., 45 Wabash Ave., Chicago.

Bulbs, gladiolus, mixed, 60c per 100; $5 per 1,000. Geo. M. Emmans, Newton, N. J.

Bulbs of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Bulbs of all kinds, valley. John Scheepers & Co., New York.

Cannas, 40 leading vars., $10 per 1,000 and upwards. Dingee & Conard Co., West Grove, Pa.

150,000 cannas, 35 leading varieties. Ludvig Mosbaek, Onarga, Ill.

Cannas, 10 varieties, $3 per 100. Jos. H. Cunningham, Delaware, O.

Cannas. Thos. S. Ware, Ltd., Feltham, England.

Cannas, 300,000 roots of 50 best vars. Conard & Jones Co., West Grove, Pa.

Lily of the valley, pips for forcing, $1.50 per 100; $14 per 1,000. H. N. Bruns, 1409 W. Madison St., Chicago.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

CARNATIONS.

Carnations, rooted cuttings, Red Chief, Bonnie Maid, Aristocrat, Winsor, Pocahontas, $12 per 100; $100 per 1000. White Perfection, $6 per 100; $50 per 1000. Rose Pink Enchantress, $7 per 100; $60 per 1000. Victory, Robt. Craig, $6 per 100; $50 per 1000. Pink Patten, Candace, Glendale, $5 per 100; $40 per 1000. Lady Bountiful, Enchantress, $3 per 100; $25 per 1000. F. Dorner & Sons Co., La Fayette, Ind.

Carnations, rooted cuttings. Red Chief, Bonnie Maid, Aristocrat, $12 per 100; $100 per 1,000. Rose Pink Enchantres, $7 per 100; $60 per 1,000; White Perfection, $6 per 100; $50 per 1,000. F. Dorner & Sons Co., La Fayette, Ind.

Carnations, Rose Pink Enchantress, rooted cuttings, $7 per 100; $60 per 1,000. S. S. Skidelsky, 824 No. 24th St., Philadelphia.

If you do not find what you need in our Ready Reference Department, write us about it.

Carnations, Beacon, cuttings, $12 per 100; $100 per 1000. Rose Pink Enchantress, $7 per 100; $60 per 1000. Red Chief, Winsor, Bonnie Maid, $12 per 100; $100 per 1000. Aristocrat, $12 per 100; $100 per 1000. White Perfection, Candace, Melody, Victory, Robt. Craig, $6 per 100; $50 per 1000. Vaughan's Seed Store, Chicago and New York.

Carnations, Red Riding Hood, cuttings, $12 per 100; $100 per 1000. Aristocrat, $12 per 100; $100 per 1000. White Perfection, Daybreak Lawson, Rose Pink Enchantress, Enchantress, White Lawson, Lady Bountiful, Cardinal, Variegated Lawson, Jessica and others ready Jan. 1. Chicago Carnation Co., Joliet, Ill.

Carnations, rooted cuttings, Victory, $6 per 100; $50 per 1,000. Enchantress, $2 per 100; $18 per 1,000. W. Lawson, L. Bountiful, $3 per 100; $25 per 1,000. B. Market, P. Lawson, $1.50 per 100; $12.50 per 1,000. Nelson, $2 per 100; $15 per 1,000. E. T. Wanzer, Wheaton, Ill.

Carnations, rooted cuttings, Enchantress, Bountiful, $2.50 per 100. Wolcott, Lawson, Queen, $1.50 per 100. Harlowarden, $2 per 100. Bassett & Washburn, 76 Wabash Ave., Chicago.

Carnations, rooted cuttings, Lawson, Boston Market, Sports, $1.25 per 100; $10 per 1000. Enchantress, $2 per 100; $15 per 1000. W. F. Dunteman, Bensenville, Ill.

Carnations, Aristocrat, Rose Pink Enchantress, White Perfection and other leading varieties. E. G. Hill Co., Richmond, Ind.

Carnations, White Enchantress, rooted cuttings, $12 per 100; $100 per 1,000. E. Schrader, New Springville, New York.

Carnations, Pink sport of Enchantress, rooted cuttings, $6 per 100; $50 per 1,000. Holton & Hunkel, Milwaukee, Wis.

Carnations, Winsor and Aristocrat, $12 per 100; $100 per 1,000. Wm. F. Kasting, 383 Ellicott St., Buffalo, N. Y.

Carnation Victory, rooted cuttings, $6 per 100; $50 per 1,000. Guttman & Weber, 43 W. 28th St., New York.

Carnation Abundance, rooted cuttings, $5 per 100; $40 per 1,000. R. Fischer, Great Neck, L. I.

Carnations, Victory, $6 per 100; $50 per 1,000. Jensen & Dekema, 674 W. Foster Ave., Chicago.

Carnation John E. Haines, rooted cuttings, $6 per 100; $50 per 1000. John E. Haines, Bethlehem, Pa.

Carnation Mabelle, new, $12 per 100; $100 per 1,000. H. Weber & Sons Co., Oakland, Md.

Carnations, Norway, $3 per 100. J. W. Dunford, Clayton, Mo.

Carnations for fall delivery. Wood Bros., Fishkill, N. Y.

Carnations. J. D. Thompson Carnation Co., Joliet, Ill.

Carnations, leading vars. A. M. Herr, Lancaster, Pa.

CHRYSANTHEMUMS.

Chrysanthemums, stock plants of the following varieties at $4 per 100: Kalb, Glory of Pacific, Polly Rose, Pink Ivory, White Ivory, Wm. Duckham, Maud Dean, Marie Liger, Dr. Enguehard, A. J. Balfour, Alice Byron, R. Halliday, W. H. & C. B. Newman, Akron, N. Y.

Chrysanthemums, stock plants, Mrs. Duckham, Col. Appleton, Chelton, F. A. Cobbold, F. S. Valls, Wm. Duckham, Nellie Pockett, Merza, Henry Robinson, etc., $10 per 100. C. Peterson, 307 Lincoln St., Flushing, N. Y.

Chrysanthemums, stock plants, Willowbrook, Kalb, Estelle, Wanamaker, Ivory, Robinson, Appleton, Bonnaffon, Halliday, Coombes, McNeice, Enguehard, 60c per doz.; $4 per 100. E. T. Wanzer, Wheaton, Ill.

Chrysanthemums, stock plants, Rosiere, $1.50 per doz. Emereter, Merstham, C. Touset, $1 per doz. Monrovia, Omega, M. Bergmann, Willowbrook, 75c per doz. Eli Cross, Grand Rapids, Mich.

Chrysanthemums, stock plants, Robinson, Weeks, T. Eaton, Col. D. Appleton, Goldmine, Dr. Enguehard, Wm. Duckham, Touset, Maud Dean, Casco, 75c per doz. Tipton Greenhouses, Tipton, Iowa.

Chrysanthemums, old stools, Polly Rose, Appleton, Duckham in exchange for Begonia Gloire de Lorraine, or heap offer. Riverbank Greenhouses, Geneva, Ill.

Chrysanthemums, stock plants, Robinson, white; Appleton, Halliday, Bonnaffon, yellow, $3.50 per 100. Theo. Fehrman, Niles Center, Ill.

Chrysanthemums, stock plants, M. F. Plant, $3 per doz.; $20 per 100. J. Nonin, $1 per doz.; $8 per 100. Henry I. Faust, Merion Station, Pa.

Stock plants of the Ceramic chrysanthemum, new cream color, now ready, 20c each; $2 per doz. Chas. Peterson, East Liverpool, Ohio.

Chrysanthemum October Frost. Orders taken for rooted cuttings, $6 per 100; 2½-in. pots, $8 per 100. A. C. Canfield, Springfield, Ill.

Chrysanthemums, best sorts, Golden Dome, White Duckham, Pres. Loubet, Mlle. Chabanne. E. G. Hill Co., Richmond, Ind.

Chrysanthemums, Smith's Revised Manual, 40c. Nathan Smith & Son, Adrian, Mich.

Chrysanthemums, all varieties. Nathan Smith & Son, Adrian, Mich.

Chrysanthemums. Wood Bros., Fishkill, N. Y.

CIBOTIUMS.

Cibotium Schiedei, 5-in., $9 per doz.; 6-in., $12 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

CLEMATIS.

Clematis Pan., 2-yr., field-grown, $7 per 100; $65 per 1,000. Dingee & Conard Co., West Grove, Pa.

COBOEA.

Cobœa Scandens, 4-in., $8 per 100. Godfrey Aschmann, 1012 Ontario St., Philadelphia, Pa.

COLEUS.

Coleus, asst. R. C., 60c per 100, prepaid. Shippensburg Floral Co., Shippensburg, Pa.

CYCLAMENS.

Cyclamen plants, grand strain, 5-in., showing bud, $35 per 100. Riverbank Greenhouses, Geneva, Ill.

CYPERUS.

Cyperus gracilis, 2½-in. pots, $3.50 per 100. Dingee & Conard Co., West Grove, Pa.

DAHLIAS.

Dahlias, 25 leading vars., named, Admiral Dewey, Constancy, Gloriosa, Orange King, Prof. Baldwin, Maid of Kent, C. W. Bruton, Uncertainty, field clumps, $5 per 100; $45 per 1,000. Catherine Duer, $8 per 100. Dingee & Conard Co., West Grove, Pa.

Dahlias, improved Countess of Lonsdale, cactus type, 6 for $1; $1.75 per doz.; $12 per 100. Arthur T. Boddington, 342 W. 14th St., New York.

Dahlias. Thos. S. Ware, Ltd., Feltham, England.

DAISIES.

Paris daisies, R. C., giant white, yellow, $1; Alexandria, $1.25. Byer Bros., Chambersburg, Pa.

DEUTZIAS.

Deutzia gracilis, 6-in., $1.50 per doz.; $12 per 100. Lemoine, 6-in., $2.50 per doz.; $20 per 100. Vaughan's Seed Store, Chicago and New York.

DRACAENAS.

Dracæna Bruanti, 30-in., 6-in. pots, 50c each; $5 per doz. G. Aschmann, 1012 Ontario St., Philadelphia.

Dracæna indivisa, 4 and 5 ins., $10 and $25 per 100. Geo. M. Emmans, Newton, N. J.

Dracæna fragrans, 5-in., 50c each, $5 per doz.; 7-in., $1 each; $12 per doz.; D. indivisa, 2-in., $2.50 per 100; 6-in., 20 to 26 ins., 50c each; $5 per doz.; 7-in., 30 to 34 ins., 75c each; $9 per doz.; D. terminalis, 2-in., $1.25 per doz.; 3-in., $2 per doz.; 6-in., $9 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Dracæna terminalis, 5-in. pots, 50c each; $5 per doz.; 6-in., 90c each; $9 per doz.; 7-in.. 3 plts. in pan, $1.50 each; $18 per doz. Vaughan's Seed Store, Chicago and New York.

FERNS.

Ferns, Boston, 5-in., $3; 6-in., strong, $6; 7-in., $9. Large specimens, $1.50, $2, $3 each. Assorted ferns for dishes, $3 per 100; $25 per 1,000. Pteris Wimsetti, 3-in., 75c per doz.; $6 per 100. Pteris argyrea, 3-in., $1 per doz.; $8 per 100. Aspidium Ten., 3-in., $1 per doz.; $8 per 100. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Ferns, bushy plants, Pteris tremula, 4-in., $1.25 per doz.; $10 per 100; 5-in., $2 per doz.; $15 per 100; Wilsoni, 5-in., $3 per doz.; $20 per 100. Assorted Pteris ferns, 2¼-in., $3 per 100; $25 per 1,000. Large stock of Boston, Elegantissima, Whitmani and Scottii, all sizes. Vaughan's Seed Store, Chicago and New York.

Ferns, Barrowsii, 7-in., 75c to $1 each; 6-in., 50c; 5½-in., 40c; 5-in., 35c; 4-in., 25c. Scottii, 8-in., $1.25; 7-in., 75c; 6-in., 50c; 5½-in., 40c; 4-in., 20c. Boston, 7-in., 75c; 6-in., 50c; $5 per doz.; 5-in., 30c to 35c; 4-in., 20c. Maidenhair, 6-in., 40c. G. Aschmann, 1012 Ontario St., Philadelphia.

Ferns, Pteris magnifica, Pteris serrulata cristata, Pteris alb. lineata, Pteris Wimsetti, Pteris Ouvrardi, $3 per 100; $25 per 1,000. Boston, Scottii and Piersoni, 3-in., $8; 4-in., $15; 5-in., $25; 6-in., $40 per 100. J. F. Wilcox, Council Bluffs, Iowa.

Ferns, N. Piersoni, Elegantissima, 2¼-in. pots, $12 per 100; specimen plants, 6-in.. $1 each; 8-in., $2; 10-in., $3; 12-in., $5; 14-in., $7.50; 16-in., $10. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns, Boston, Piersoni, Anna Foster, 2¼, 3 and 4-in., $3, $6 and $12 per 100; 6-in., $4; 8-in., $10; 10-in., $20 per doz. Elegantissima and Scottii, runners, $40 per 1,000. Boston, $20 per 1,000. Ludvig Mosbaek, Onarga, Ill.

Ferns, 50 10-in. Boston, $2.50 each; $25 per doz.; fine lot of Elegantissima, Barrowsii, Piersoni, Scottii, Whitmani and Boston, 4, 5 and 6-in. pots. Geo. A. Kuhl, Pekin, Ill.

Ferns, Boston, for 4 and 5-in., $10 and $15 per 100. Boston and Scottii, 5 to 10-in.. 50c to $1.50 each. J. W. Dunford, Clayton, Mo.

Ferns, Boston, 4-in., 10c; 3-in., 5c; Tarrytown, 3-in., 10c; 4-in., 15c; 6-in., 25c; runners, $1.50 per 100. Byer Bros., Chambersburg, Pa.

Ferns, N. Whitmani, 2¼-in., $25 per 100. Boston, 2¼-in., $3 per 100. H. H. Barrows & Sons, Whitman, Mass.

Ferns, N. Whitmani, young plants from bench, $6 per 100. Davis Bros., Morrison, Ill.

Ferns, orders booked now for N. Amerpohli, Janesville Floral Co., Janesville, Wis.

Ferns, Boston, 5-in., 30c each. Piersoni, 6-in.. 50c each. Geo. M. Emmans, Newton, N. J.

Ferns, N. Elegantissima, 2¼-in., $5 per 100. Storrs & Harrison Co., Painesville, O.

Ferns, Scottii, 4-in., 10c; 5-in., 15c; 6-in., 25c. W. W. Coles, Kokomo, Ind.

Ferns, A. hybridum, 2¼-in., $5 per 100. A. Ley & Bro., Langdon, D. C.

Ferns, Boston and Scottii. J. A. Peterson, Westwood, Cincinnati, O.

Ferns, all leading varieties, R. Dreyer, Woodside, L. I., N. Y.

FUCHSIAS.

Fuchsias, 5 kinds, $1.25, R. C. Byer Bros., Chambersburg, Pa.

If you do not find what you need in our Ready Reference Department, write us about it.

GERANIUMS.

Geraniums, the following, "Six Kings"; S. A. Nutt, deep scarlet; A. H. Trego, scarlet; Peter Henderson, bright scarlet; Beaute Poitevine, salmon; Jean Viaud, pink; Mme. Buchner, white; all semi-double, strong top cuttings, well rooted, $1.75 per 100; $16 per 1,000. Cash. The W. T. Buckley Co., Springfield, Ill.

Geraniums, Alliance, 25c each; $2.50 per doz.; $20 per 100. Trego, 75c per doz.; $4 per 100. Fleuve Blanc, $1.50 per doz.; $10 per 100. Mrs. Laurence, $1 per doz.; $6 per 100. M. Anatoto Roseleur, $1 per doz.; $6 per 100. R. Vincent, Jr., & Co., White Marsh, Md.

Geraniums, Nutt, J. Doyle, Perkins, Poitevine, Dbl. Gen. Grant, La Favorite, 2-in., $2; R. C., $1 per 100. Geo. M. Emmans, Newton, N. J.

Geraniums, 2-in., 2c. Byer Bros., Chambersburg, Pa.

Geraniums, leading vars. A. M. Herr, Lancaster, Pa.

GLOXINIAS.

Gloxinias. L. Van Houtte Pere, Ghent, Belgium.

GREENS.

Greens, holly, $5 per case. Boxwood, $15 per 100 lbs. Laurel festooning, 5c and 6c per yd. Princess pine festooning, $6 per 100 yds. Wild smilax, $3.50 and $7 per case. Laurel Wreaths, $2.50 per doz. and up. Branch laurel, 50c per bunch. Bouquet green, $7 per 100 lbs. Galax, green and bronze, $1 per 1,000; $7.50 per 10,000. Ferns, fancy and dagger, $1.25 per 1,000. Leucothoe sprays, $1 per 100. Green and sphagnum moss, $1 per bbl. H. M. Robinson & Co., 11-15 Province St., Boston.

Greens, Delaware holly, single case, $4; 5 cases, $3.50 per case, prepaid; by express c. o. d., $3 per case. Holly wreaths, 14-in., by freight prepaid, $10 per 100, express c. o. d., $9 per 100. H. Austin, Felton, Del.

Greens, galax leaves, ferns and leucothoe sprays, holly. Princess pine, all kinds of evergreens. Galax leaves, $1 per 1,000. N. Lecakes & Co., 53 W. 28th St., New York.

Greens, fancy ferns, $1.50 per 1,000. Green and bronze galax, $1.25 per 1,000. Boxwood, 20c per lb., 50 lb., $8.50. Michigan Cut Flower Exchange, Detroit, Mich.

Wreathing. We have the goods and can fill your orders prompt. Light, $3; medium, $4 per 100 yds. Cash or c. o. d. Joseph Bancroft & Son, Cedar Falls, Iowa.

Greens, cut palmetto and cycas palm leaves, galax, leucothoe, ferns, mosses and all decorating evergreens. The Kervan Co., 20 W. 27th St., New York.

Greens, holly, holly wreaths, green wreathing, galax leaves, wild smilax, moss wreaths. C. C. Pollworth Co., Milwaukee, Wis.

Greens, holly, bouquet green, mistletoe, evergreen wreathing, etc. E. F. Winterson Co., 45-49 Wabash Ave., Chicago.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 52 W. 28th St., New York.

Greens, evergreens, galax, ferns, decorative supplies, moss. John P. Scherer, 636 Garden St., Union Hill, N. J.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. A. J. Fellouris, 52 W. 28th St., New York.

Wreathing, light, $3; medium, $4 per 100 yds. Cash with order. Jos. Bancroft & Son, Cedar Falls, Iowa.

Greens, bouquet green and Christmas trees. Northern Mich. Evergreen Nursery, Clark St. Bridge, Chicago.

Greens, Beaven's fadeless sheet moss, $2.50 per bag. Southern wild smilax. E. A. Beaven, Evergreen, Ala.

Greens, Southern wild smilax. Caldwell The Woodsman Co., Evergreen, Ala.

HARDY PERENNIALS.

Iris Germanica, Mme. Chereau, Gracchus, Florentine, Socrates, Duchess de Nemours, Dr. Bernice and 20 others, $2.50 per 100; $22.50 per 1,000. Hemerocallis in 10 vars., $3.75 per 100; $30 per 1,000, Delphinium Belladonna, 1 yr., plants, $6.25 per 100; $57.50 per 1,000; 3 yr., clump, $8.75 per 100; $75 per 1,000. Chrysanthemum maximum King Edward, largest white Marguerite, strong from ground, $8.75 per 100. Lathyrus latifolius White Pearl, from ground, $12.50 per 100. Thos. S. Ware, Ltd., Feltham, England.

Dielytra spectabilis, strong clumps, $8 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Hardy, perennial herbaceous plants, 50,000 field and pot grown. Ludvig Mosbaek, Onarga, Ill.

HELIOTROPE.

Heliotrope, 3 kinds, R. C., $1. Byer Bros., Chambersburg, Pa.

HIBISCUS.

Hibiscus Syriacus Meehani. P. J. Berckmans Co., Inc., Augusta, Ga.

HOLLYHOCKS.

Hollyhocks, separate colors, $7.50. Perennial Gardens Co., Toledo, O.

JERUSALEM CHERRIES.

Jerusalem cherries, bushy, with berries, 5-in., 40c each; $3 per doz.; 6-in., 50c each; $5 per doz. Vaughan's Seed Store, Chicago and New York.

Jerusalem cherries, 12-in., pans, 7 plants to pan, 75c each; 3½-in., $6 per 100. J. W. Dunford, Clayton, Mo.

Jerusalem cherries, 5-in., 25c; 6-in., 50c each. Geo. A. Kuhl, Pekin, Ill.

LANTANAS.

Weeping lantana, 2½-in., $3.50 per 100. Dingee & Conard Co., West Grove, Pa.

MANETTI STOCKS.

Manetti stocks, French, $1.50 per 100; $12 per 1000; $50 per 5000; $80 per 10,000. English, $2 per 100; $15 per 1000; $60 per 5000; $100 per 10,000. Vaughan's Seed Store, Chicago and New York.

Manetti stocks, grafting size, 3-5 mm., $7 per 1000; $65 per 10,000; 1st size, 5-10 mm., $9 per 1,000; $80 per 10,000. Jackson & Perkins, Newark, N. Y.

MUSHROOM SPAWN.

Mushroom Spawn, Pure Culture, per 10 bricks, $1.50; 25 bricks, $3.50; 50 bricks, $6.50; 100 bricks, $12. W. C. Beckert, 103 Federal St., Allegheny, Pa.

Mushroom Spawn, pure culture Spawn, and importers of English mushroom Spawn. Knud Gundestrup & Co., 4273 Milwaukee Ave., Chicago.

Mushroom Spawn, English and pure culture. Weeber & Don, 114 Chambers St., New York.

Mushroom Spawn, frequent importations from England. J. J. Styer, Concordville, Pa.

NURSERY STOCK.

Nursery stock, American arbor vitæ, Tartarian honeysuckle, Barberry Thunbergii, Deutzia Pride of Rochester, Shade trees, fruit trees, shrubs. W. & T. Smith Co., Geneva, N. Y.

Nursery stock, Viburnum plicatum, hardy shrubs, vines and plants of all kinds. Dingee & Conard Co., West Grove, Pa.

Nursery stock, trees and shrubs. Price list on application. Peterson's Nursery, 503 W. Peterson Ave., Chicago.

Nursery stock, Viburnum plicatum, all sizes; shrubbery and honeysuckles, etc. Conard & Jones Co., West Grove, Pa.

Nursery stock, large trees, oak, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, pot-grown shrubs, conifers and ornamental stock. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, evergreen and deciduous flowering shrubs and vines. The Wm. H. Moon Co., Morrisville, Pa.

Calycanthus, sweet shrub, 1½ to 2 feet transplanted, $5 per 100. The E. Y. Teas Co., Centerville, Ind.

Nursery stock, deciduous trees and shrubs, evergreens. Cottage Gardens Co., Queens, L. I., N. Y.

Nursery stock, plants and shrubbery of all kinds. Dingee & Conard Co., West Grove, Pa.

Nursery stock, all kinds of hardy stock. Klehm's nurseries, Arlington Heights, Ill.

ORCHIDS.

Orchids, Cattleya Trianæ semi-established, Cattleya gigas, semi-established, and just arrived in fine shape Cattleya Schrœderi. Price per box of 40 plants on application, 8 to 10 bulbs to a plant. John De Buck, collector of orchids, P. O. box 78, College Point, L. I., N. Y.

Orchids, C. Dowiana, C. Gigas, C. Mossiæ, C. Percivaliana, C. speciosissima, C. Eldorado, C. superba, C. labiata, C. Leopoldi. Lager & Hurrell, Summit, N. J.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England; New York office, room 1, 235 Broadway.

Orchids, imported seedlings. Julius Roehrs Co., Rutherford, N. J.

Orchids, Cattleya Mossiæ. L. A. Fennell, Cynthiana, Ky.

PALMS.

Palms, Cocos, 2-in., $2 per doz.; C. Bonetti, specimens, $40 each. Kentia Bel., 3-in., $2 per doz.; Kentia Fors, 7-in., $2 each; $24 per doz.; 7-in., X, $2.50 each; 7-in., XX, $3 each. Phœnix Can., 2-in., $1 per doz.; 10-in., $2.50 and $3 each; large specimens, Phœnix Recli., 3½-in., $2 per doz.; 4-in., $3 per doz. Latania Bor., 3-in., $1.50 per doz.; 3½-in., $2; 4-in., $3; 5-in., $5; 7-in., $12. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Palms, Latania Bor., 4-in., $15 per 100. Kentia Bel., 5-in., $60 per 100. Storrs & Harrison Co., Painesville, O.

Palms of all kinds. R. Dreyer, Woodside, L. I., N. Y.

Palms. L. Van Houtte Pere, Ghent, Belgium.

PANDANUS.

Pandanus Utilis, 3-in., per doz., $1.50; 4-in., per doz., $3; 5-in., per doz., $5. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Pandanus Veitchii. J. A. Peterson, Westwood, Cincinnati, O.

PANSIES.

Pansies, $3 per 1,000; 50c per 100. Jos. H. Cunningham, Delaware, O.

PELARGONIUMS.

Pelargoniums, rooted cuttings, 15 named vars., $2.25 per 100 prepaid. S. D. Brant, Clay Center, Kans.

PEONIES.

Peonies, Prince Charles, Lord Salisbury, Duchess of Sutherland, Rosea maxima, Mme. Furtado, Philomile, Lecnie, Mons. Boquil, Festiva, Hypatia, Mons. Rousselon, Mme. Moreau, 1 yr., $1.50 per doz.; $10 per 100; 2 yr., $2 per doz.; $15 per 100. Thos. S. Ware, Ltd., Feltham, England.

Peonies, choice kinds, Festiva Maxima, Felix Crousse, Queen Victoria, etc., at lowest rates. Fine mixed sorts, $5 per 100. The E. Y. Teas Co., Centerville, Ind.

Peonies, Queen Victoria, $9 per 100. Festiva Maxima, $30 per 100; Fragrans, $6 per 100. G. H. Wild, Sarcoxie, Mo.

Peonies a specialty. Peterson Nursery, 503 W. Peterson Ave., Chicago.

Peonies, all vars. Jacs Smits, Ltd., Naarden, Holland.

PEPPERS.

Peppers, 5-in., 25c; 7-in., 50c; 8-in., $1 each. Geo. A. Kuhl, Pekin, Ill.

If you do not find what you need in our Ready Reference Department, write us about it.

Celestial peppers, 5-in., $3 per doz.; $20 per 100; 6-in. pans, 3 plts. in pan, $5 per doz.; $35 per 100; 7-in. pans, 4 plts. in pan, $9 per doz. Vaughan's Seed Store, Chicago and New York.

PETUNIAS.

Petunias, R. C., 10 kinds, $1. Byer Bros., Chambersburg, Pa.

POINSETTIAS.

Poinsettias, 6-in. pans, 3 plts. in pan, $1 each; $10 per doz.; 7-in., 4 plts., $1.25 each; $12 per doz.; 8-in., 5 plts. in pan, $1.75 each; $20 per doz.; 10-in., 6 plts. in pan, $2.50 each; $30 per doz. Vaughan's Seed Store, Chicago and New York.

Poinsettias in pans and cut. J. A. Peterson, Westwood, Cincinnati, O.

PRIMULAS.

Primulas, Chinese, 4-in., $12.50. Obconica, 4-in., $12.50. Baby, 4-in., $12.50. Geo. A. Kuhl, Pekin, Ill.

Primula obconica, 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

PRIVET.

Privet, California, the best. R. Dreyer, Woodside, L. I., N. Y.

RHODODENDRONS.

Rhododendrons, leading forcing vars., 18 to 20 ins. high, full of buds, $9 per doz.; 20 to 24 ins., $12 per doz. Storrs & Harrison Co., Painesville, O.

Rhododendrons, leading vars., 10 to 15 buds, $1.25 each; $12 per doz. Vaughan's Seed Store, Chicago and New York.

Rhododendrons, 50c and 75c each. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Rhododendrons. Jacs Smits, Ltd., Naarden, Holland.

Rhododendrons. Cottage Gardens Co., Queens, L. I., N. Y.

ROSES.

Roses, home grown, Baby Rambler, $2.50 per doz.; $20 per 100. Hermosa, $1.65 per doz.; $12.50 per 100. C. Soupert, $1.65 per doz., $12.50 per 100. Imported, extra heavy hybrid perpetuals, all vars., $1.50 per 10; $12.50 per 100. Baby Rambler, $2 per 10; $17.50 per 100; Crimson Rambler, $1.75 per 10; $15 per 100. Perennial Gardens Co., Toledo, O.

Roses. We grow to order for March, April and May delivery, Bride, Bridesmaid, Perle, Chatenay, Ivory and Richmond rose plants, from 2½-in. pots, at $3 per 100; $25 per 1,000. First-class stock guaranteed. J. F. Ammann, Edwardsville, Ill.

Roses, rooted cuttings, Brides, Maids, Chatenay, Richmond, $1.50 per 100; $12.50 per 1000. Carnot, Kaiserin, Perles, $2.50 per 100; $20 per 1000. Am. Beauty, $3 per 100; $25 per 1000. Bassett & Washburn, 76 Wabash Ave., Chicago.

Roses, own roots, field plants, Baby Rambler, C. Soupert, Phila. Rambler, C. Rambler, Dorothy Perkins, Sir Thos. Lipton; 2½ and 4-in. pot plants in variety. Conard & Jones Co., West Grove, Pa.

Roses, rooted cuttings, Bride, Maid, Golden Gate, Chatenay, $1.50 per 100; $12.50 per 1,000. Richmond, $2 per 100; $18 per 1,000. W. H. Gullett & Sons, Lincoln, Ill.

Roses, 2-yr., field-grown, Dorothy Perkins, $8 per 100. Crimson Rambler, $10 per 100. Hybrid perpetuals, $10 to $12 per 100. Jackson & Perkins, Newark, N. Y.

Rose, Queen Beatrice, finest forcing pink, to be disseminated spring of 1907. F. H. Kramer, 916 F St., N. W., Washington, D. C.

Roses, Killarney, rooted cuttings and plants, large stock, early delivery. Write to headquarters. Weiland & Risch, 59 Wabash Ave., Chicago.

Roses, climbing plants. Jacs Smits, Ltd., Naarden, Holland.

Roses, from 3-in. pots. Wood Bros., Fishkill, N. Y.

Roses, 1,000 varieties, from 2½, 4 and 5-in. pots, own roots. Dingee & Conard Co., West Grove, Pa.

Roses, Crimson, Rambler, 4 to 7 ft., $10 per 100; No. 2's, $6 per 100. C. M. Niuffer, Springfield, O.

Roses, Baby Rambler, in bud and bloom, 4-in., 20c. Leedle Floral Co., Springfield, O.

Roses, Dorothy Perkins, strong field plants, $7 per 100. The E. Y. Teas Co., Centerville, Ind.

Roses, leading kinds. W. & T. Smith Co., Geneva, N. Y.

SALVIAS.

Salvia Bonfire, R. C., 75c per 100 prepaid. Shippensburg Floral Co., Shippensburg, Pa.

Salvia Bonfire and splendens, R. C., 90c. Byer Bros., Chambersburg, Pa.

SEEDS.

Seeds, palms, Kentia Fors., K. Bel., $1.25 per 1,000. Canterburyana, $3 per 1,000. Moorei, $12 per 1,000. Areca Baueri, $1 per 1,000. Seaforthia elegans, 50c per 1,000. Livistona australis, 50c per 1,000. Bacularia monostachya, $1.50 per 1,000. Gymnostachys anceps, $2 per 1,000. Calamus Muelleri, $1.50 per 1,000. Tree Seeds, Castanospermum australe, $5 per 1,000. Araucaria excelsa, $1.25 per 1,000. J. Staer, Wahroonga, N. S. W., Australia.

Seeds, beets, cabbage, Cannon Ball and Rocky Ford muskmelon, watermelon, Bermuda and Calif. onion, okra, mustard, French and Calif. grown, radish, tomato, Mexican June corn, Kaffir corn, German millet, dwf. yel. Milo Maize, sugar cane, winter barley, Red Rust Proof oats, cotton seed, Whip. and white black-eyed field peas, Spanish peanuts, Johnson and Bermuda grass. Texas Seed and Floral Co., Dallas, Tex.

Seeds, Asparagus, A. plumosus nanus, Northern greenhouse grown seed, 100 seeds, 60c; 250 seeds, $1.25; 1,000 seeds, $4.50. Southern greenhouse grown, 1,000 seeds, $2.50; 5,000 seeds, $10. A. plumosus robustus, 100 seeds, $1; 1,000 seeds, $9. Decumbens, 100 seeds, 50c; 1,000 seeds, $4. Comorensis, 100 seeds, $1; 1,000 seeds, $7.50. Cash discount 2 per cent. Vaughan's Seed Store, Chicago and New York.

Seeds, aster, Vick's branching, 7 colors. Vick's Sunset, pkt., 25c; 2 pkts., 40c. Vick's Upright, pkt., 25c; 2 pkts., 40c. Vick's Royal Purple, pkt., 20c; 2 pkts., 35c. Vick's Branching Rosy Carmine, pkt., 25c; 2 pkts., 40c. Vick's Cardinal, pkt., 25c; 2 pkts., 40c. James Vick's Sons, Rochester, N. Y.

Seeds, sweet peas, Earliest White, per pkt (40 seeds), 25c; 5 pkts., 75c net. ½ size pkts., 15c; 2 pkts., 25c; 10 pks., 75c. Burpee's Earliest of All, per oz., 10c; ¼ lb., 30c; per lb., $1. W. Atlee Burpee & Co., Philadelphia.

Seed, Asparagus plumosus, 1,000 seeds, $2; 6,000, $10; 13,000, $20; 25,000, $35; 50,000, $65; 100,000, $110. F. G. Taylor Seed Co., Inc., Box 99, Glendale, Cal.

Seeds, mignonette, New York Market. Sweet peas, pink and white. Tomato, The Don, Stirling Castle. Weeber & Don, 114 Chambers St., New York.

Seeds, specialties, beans, cucumber and tomato, radish, peas, muskmelon, sweet corn and squash. S. M. Isbell & Co., Jackson, Mich.

Seeds, all kinds, specialties, onion, carrot, lettuce, sweet peas. Pacific Seed Growers' Co., 109 Market St., San Francisco.

Seeds, clover, rye grasses, natural grasses, Swede, turnip, mangel, vegetable and flower seeds. Bell & Bieberstedt, Leith, Scotland.

Seeds, Rawson's mammoth Verbena, all colors and mixed, per oz., $1; ¼ oz., 30c. W. W. Rawson & Co., 5 Union St., Boston.

Seeds, high grade grass, clover, agricultural and forest tree seeds. Conrad Appel, Darmstadt, Germany.

Seeds, Puget Sound Cabbage. Chas. H. Lilly Co., Seattle, Wash.

Seeds, cabbage and cauliflower. Hjalmar Hartmann & Co., 12 Stormgade, Copenhagen, 31 Barclay St., New York.

Seeds, Primula Sinensis, herbaceous calceolaria, etc. H. B. May & Sons, Upper Edmonton, London, Eng.

Seeds, all kinds of vegetable and flower seeds. C. C. Morse & Co., 171 Clay St., San Francisco.

Seeds of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Seeds, vegetable and flower. A. J. Pieters Seed Co., Hollister, Cal.

Seeds, Snowball cauliflower. R. Wiboltt, Nakskov, Denmark.

Seeds, all kinds. John Scheepers & Co., New York.

Seeds. W. Atlee Burpee Co., Philadelphia, Pa.

SMILAX.

Smilax, 2-in., strong, $1 per 100; $9 per 1,000. C. Humfeld, Clay Center, Kan.

Smilax, 3-in., $4 per 100; $35 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Smilax. Wood Bros., Fishkill, N. Y.

SPIREAS.

Spireas, japonica, strong clumps, $3.50 per 100; Astilboides Floribunda, $4 per 100; Compacta Multiflora, $4 per 100; Gladstone, $6.50 per 100. J. M. Thorburn & Co., 33 Barclay St., New York.

Astilbe, or spirea, Gladstone, $8 per 100; Astilboides floribunda and Japonica, $5 per 100; Compacta, multiflora, $6 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Spireas Japonica, $4 per 100. Nana compacta, $4 per 100. Ast. floribunda, $4.25 per 100. Gladstone, $6.50 per 100. Storrs & Harrison Co., Painesville, O.

Spireas. Jacs Smits, Ltd., Naarden, Holland.

VEGETABLE PLANTS.

Vegetable plants, cabbage, New Early and Succession, $1.25 per 1000. Lettuce, Grand Rapids, Big Boston, Boston Market and Tennis Ball, $1 per 100. Parsley, Moss Curled, $1.25 per 1000. Tomatoes, Lorillard and Mayflower, 40c per doz.; $2 per 100. R. Vincent, Jr., & Son, White Marsh, Md.

Forcing rhubarb, undiv. clumps, $2 per doz.; 25 for $3.75; $12 per 100; $100 per 1,000. Stokes Seed Store, 219 Market St., Philadelphia.

VERBENAS.

Verbenas, 60 named vars., Rooted cuttings, 75c per 100; $6 per 1,000. Plants, $2.50 per 100; $20 per 1,000. J. L. Dillon, Bloomsburg, Pa.

VINCAS.

Vinca Minor, Hardy periwinkle, good clumps, $1.50 per 100; $10 per 1,000. The E. Y. Teas Co., Centerville, Ind.

Vinca Var., R. C., 90c per 100; $8 per 1000. Shippensburg Floral Co., Shippensburg, Pa.

Vinca Var., 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

Vinca Var., R. C., 90c. Byer Bros., Chambersburg, Pa.

VIOLETS.

Violets, Lady Hume Campbell, Princess of Wales, Swanley White, Admiral Avellan, Luxonne, from 2½-in. pots, $3.50 per 100; $30 per 1,000. Dingee & Conard Co., West Grove, Pa.

Violets, Gov. Herrick, new single violet, good keeper; rooted cuttings $2 per doz.; $10 per 100; $75 per 1,000; 5,000 or more, $60 per 1,000. H. R. Carlton, Willoughby, O.

Violets. Wood Bros., Fishkill, N. Y.

WISTARIAS.

Wistaria Magnifica, 3-yr., strong, $3 per 100. The E. Y. Teas Co., Centerville, Ind.

If you do not find what you need in our Ready Reference Department, write us about it.

WHOLESALE CUT FLOWERS.

Commission Dealers.

Allen, J. K., 106 W. 28th St., New York.
Amling, E. C., 32-36 Randolph St., Chicago.
Berning, H. G., 1402 Pine St., St. Louis.
Cleveland Cut Flower Co., 215 Huron road, Cleveland, O.
Deamud, J. B., Co., 51 Wabash Ave., Chicago.
Eberman, C. W., 53 W. 30th St., New York.
Flower Growers' Market, 60 Wabash Ave., Chicago.
Ford Bros., 48 W. 28th St., New York.
Froment, Horace E., 57 W. 28th St., New York.
Guttman, Alex. J., 43 W. 28th St., N. Y.
Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.
Henshaw, A. M., 52 W. 28th St., New York.
Horan, Edward C., 55 W. 28th, N. Y.
Hunt, E. H., 76 Wabash Ave., Chicago.
Kennicott Bros. Co., 40-44 Randolph St., Chicago.
Kessler, Phil. F., 55 W. 26th St., N. Y.
Kuehn, C. A., 1122 Pine St., St. Louis.
Langjahr, Alfred H., 55 W. 28th St., New York.
McCullough's Sons Co., J. M., 316 Walnut St., Cincinnati, O.
McKellar, Chas. W., 51 Wabash Ave., Chicago.
McKissick, W. E., 1221 Filbert St., Philadelphia.
Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.
Murdoch, J. B. & Co., 745 Liberty Ave., Pittsburg, Pa.
N. Y. Cut Flower Ex., Coogan Bldg., 6th Ave. and W. 26th St., New York.
Niessen Co., Leo, 1217 Arch St., Phila.
Pennock-Meehan Co., 1608-18 Ludlow St., Philadelphia.
Pittsburg Cut Flower Co., Ltd., 222 Oliver Ave., Pittsburg, Pa.
Pittsburg Florists' Exchange, 217-223 Diamond St., Pittsburg, Pa.
Pollworth, C. C. Co., Milwaukee, Wis.
Randall, A. L. Co., 19 Randolph St., Chicago.
Raynor, John I., 49 W. 28th St., N. Y.
Rice Bros., 128 N. 6th St., Minneapolis, Minn.
Robinson, Henry M., & Co., 11-15 Province St., Boston.
Seligman, John, 56 W. 26th St., N. Y.
Sheridan, Walter F., 39 W. 28th St., New York.
Smith & Co., W. C., 1316 Pine St., St. Louis, Mo.
Traendley & Schenck, 44 W. 28th St., New York.
Vaughan & Sperry, 58-60 Wabash Ave., Chicago.
Welch Bros., 226 Devonshire St., Boston.
Winterson, E. F. Co., 45-49 Wabash Ave., Chicago.
Young, A. L. & Co., 54 W. 28th St., New York.
Young, Thos., 43 W. 28th St., N. Y.
Zech & Mann, 51 Wabash Ave., Chicago.

Growers.

Bassett & Washburn, 76-78 Wabash Ave., Chicago.
Benthey-Coatsworth Co., The, 35 Randolph St., Chicago.
Bruns, H. N., 1409-11 W. Madison St., Chicago.
Budlong, J. A., 37-39 Randolph St., Chicago.
Chatogue Greenhouses, Mobile, Ala.
Elliott, W. H., Brighton, Mass.
Hill, The E. G. Co., Richmond, Ind.
Jensen & Dekema, 674 W. Foster Ave., Chicago.
Peacock Dahlia Farms, Atco, N. J.
Poehlmann Bros. Co., 35-37 Randolph St., Chicago.
Reinberg, Peter, 51 Wabash Ave., Chicago.
Rising-Dunscomb Co., Inc., 205 No. Broadway, Los Angels, Cal.
Scheiden & Schoos, 60 Wabash Ave., Chicago.
Sinner Bros., 60 Wabash Ave., Chicago.
Weiland & Risch, 59 Wabash Ave., Chicago.
Wietor Bros., 51 Wabash Ave., Chicago.
Wilcox, J. F., Council Bluffs, Iowa.
Wittbold, Geo. Co., 1657 Buckingham Place, Chicago.

RETAIL CUT FLOWERS.

Atlanta Floral Co., 41 Peachtree St., Atlanta, Ga.
Bertermann Bros. Co., 241 Massachusetts Ave., Indianapolis, Ind.
Blackistone, 14th and H Sts., N. W., Washington, D. C.
Boland, J. B. Co., 47-49 Geary St., San Francisco.
Breitmeyer's Sons, John, cor. Miami and Gratiot Aves., Detroit, Mich.
Cooke, George H., Connecticut Ave. and L. St., Washington, D. C.
Daniels & Fisher, Denver, Colo.
Donohoe, W. H., 2 W. 29th St., N. Y.
Eyres, H. G., 11 N. Pearl St., Albany, N. Y.
Galvin, Thos. F., 124 Tremont St., Boston.
Gude, A. & Bro., 1214 F St., Washington, D. C.
Hansen, Mrs. M. A., Galveston, Tex.
Hauswirth, P. J., Audit. Annex, Chi.
Hess & Swoboda, 1415 Farnum St., Omaha, Neb.
Holm & Olson, St. Paul, Minn.
Keller, J. B., Sons, 25 Clinton St., Rochester, N. Y.
Kellogg, Geo. M., 906 Grand Ave., Kansas City, Mo.; also Pleasant Hill, Mo.
Lange, A., 40 E. Madison St., Chicago.
Livingston Seed Co., Columbus, O.
Matthews, 16 W. 3rd St., Dayton, O.
Mayberry & Hoover, 1339 14th St., N. W., Washington, D. C.
Miller, Theo., 4832 Delmar Blvd., St. Louis, Mo.
Mills The Florist, 36 W. Forsythe St., Jacksonville, Fla.
Murray, Samuel, Coates House Con., 1017 Broadway, Kansas City, Mo.
Park Floral Co., The, Denver, Colo.
Palmer's, Buffalo, N. Y.
Schulz, J., 644 4th Ave., Louisville, Ky.
Virgin, Uriah J., 833 Canal St., New Orleans, La.
Weber, Fred C., 4320-28 Olive St., St. Louis, Mo.
Wilcox, J. F., Council Bluffs, Iowa.
Wilson, Robt. G., Fulton St. and Greene Ave., Brooklyn, N. Y.
Youngs, 1406 Olive St., St. Louis, Mo.

BOILERS.

Boilers, improved greenhouse boilers, made of best material; shell firebox sheets and heads of steel; water space all around (front, sides and back). Kroeschell Bros. Co., 45 Erie Street, Chicago.

Boilers, Gurney heaters, heat by steam or hot water. Gurney Heater Mfg. Co., 111 5th Ave., New York; 74 Franklin St., Boston.

Boilers, the Burnham boilers, made for greenhouse heating. Lord & Burnham Co., 1133 Broadway, New York.

Boilers, corrugated, fire box and sectional, greenhouse heating. Hitchings & Co., 1170 Broadway, New York.

Boilers, boilers of high grade for greenhouses. Steam and hot water. Giblin & Co., Utica, N. Y.

Boilers of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Boilers, write for prices. Johnston Heating Co., 1133 Broadway, N. Y.

Boilers, water tube steam boilers. King Construction Co., N. Tonawanda, N. Y.

Boilers, Myers & Co., 1122 Betz Bldg., Philadelphia.

BOXES.

Cut Flower Boxes, water-proof, corner lock style. No charge for printing on orders above 250 boxes. Livingston Seed Co., Columbus, O.

Cut Flower Boxes; send for prices. Edwards Folding Box Co., Philadelphia, Pa.

BUILDING MATERIAL.

Building material, lumber for greenhouse benches. Ship lap, drop siding, sheating, flooring, white cedar posts, etc. We are in special position to furnish "Pecky Cypress"; everything in pine and hemlock building lumber. Adam Schillo Lumber Co., cor. Weed and Hawthorn Sts., Chicago.

Building Material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouses and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building Material, cypress sash bars, Tennessee red cedar posts, pecky cypress benches, hotbed sash and frames, ventilating apparatus, pine, fittings and all supplies needed in new or reconstruction work. Foley Mfg. Co., 471 W. 22d St., Chicago.

Building Material, cypress sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 111-125 Blackhawk St., Chicago.

Building Material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 617 Sheffield Ave., Chicago.

Building Material for U-Bar greenhouses. Pierson U-Bar Co., Metropolitan Bldg., 4th Ave. and 23d St., N. Y.

Building Material of all descriptions, cold frames, hotbed sash, etc. Lord & Burnham Co., 1133 Broadway, N. Y.

Building Material, cold frames, hotbed sash of every description. Hitchings & Co., 1170 Broadway, New York.

Greenhouse materials of all kinds for greenhouse heating. Johnston Heating Co., 1133 Broadway, New York.

Building material, yellow pine boards cut to exact lengths. L. L. Satler Lumber Co., Pittsburg, Pa.

Building Material of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Building Material of all kinds. S. Jacobs & Sons, 1365-79 Flushing Ave., Brooklyn, N. Y.

CONCRETE MACHINES.

Ideal Concrete Machines for concrete block construction. Ideal Concrete Machinery Co., Dept. Y., South Bend, Ind.

CUT FLOWER HOLDER.

The Anglais table decoration, made in sections, can be adjusted to any form desired. "Japana" flower holder, 4½-in., 50c; 3½-in., 35c; 2½, 25c. M. V. Garnsey, 131 So. Waiola Ave., La Grange, Ill.

FERTILIZERS.

Wizard Brand pulverized sheep manure. The Pulverized Manure Co., 32 Exchange Ave., Chicago.

GLASS.

Glass importers and jobbers; greenhouse glass a specialty. Window glass. James H. Rice, corner Michigan, St. Clair and Illinois Sts., Chicago.

Glass, a lot of 16x18 A and B double strength at low price. A. Dietsch Co., 617 Sheffield Ave., Chicago.

Glass, window glass. Greenhouse glass a specialty. H. M. Hooker Co., 59 W. Randolph St., Chicago.

Glass, French and American "White Rose" brand. Stenzel Glass Co., 2 Hudson St., New York.

If you do not find what you need in our Ready Reference Department, write us about it.

Glass, all sizes. Metropolitan Material Co., 1398 Metropolitan Ave., Brooklyn, N. Y.

Glass, all kinds and sizes. Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.

Glass, special greenhouse. G. F. Reynolds, Durhamville, N. Y.

GLAZING POINTS.

Glazing Points, see the point? Holds glass firmly. Peerless glazing points are the best. No rights or lefts. Box of 1,000 points, 75c, postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Siebert's zinc never rust glazing points, 2 sizes, ⅝ and ⅞, 40c per lb. 16c extra by mail; 7 lbs., $2.50; 15 lbs., $5 by express. Siebert Co., Baum and Beatty Sts., Pittsburg, Pa.

GOLD FISH.

Gold Fish, Comets, Japanese Fantails, Fringetails, Telescopes, etc. Fish globes and aquariums. The J. M. McCullough's Sons Co., 316 Walnut St., Cincinnati, O.

Goldfish aquaria and aquarium supplies. Fred. Kaempfer, 88 State St., Chicago.

GREENHOUSE CONSTRUCTION.

Greenhouse Construction, builders of greenhouses for private estates, institutions, parks, etc. Pierson U-Bar Co., Metropolitan Bldg., 4th Ave. and 23d St., New York.

Greenhouse Construction, sash bar greenhouses. New Truss construction and iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse Construction, builders of every type of greenhouses; the most modern designs. Hitchings & Co., 1170 Broadway, N. Y.

Greenhouse Construction, builders of modern greenhouses. Myers & Co., 1122 Betz Bldg., Philadelphia.

GUTTERS.

Gutters, Jennings' improved iron gutters. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

Gutters, Lord & Burnham Improved V-shape gutter, with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

Gutters, Garland's gutters will keep snow and ice off your glass. A sample of our gutters is on exhibition at Chicago Flower Growers' Market. Geo. M. Garland, Des Plaines, Ill.

Gutters, new duplex gutter, only drip-proof gutter on the market. E. Hippard, Youngstown, O.

INSECTICIDES.

Insecticides, tobacco paper, 24 sheets, 75c; 144, $3.50; 288, $6.50; 1,728, $35.10. Nico-Fume Liquid, ¼ pint, 50c; pint, $1.50; ½ gal., $5.50; gal., $10.50; 5 gal., $47.25. Kentucky Tobacco Product Co., Louisville, Ky.

Insecticides, Nikoteen Aphis Punk, 60c per box 12 sheets; $6.50 per case of 12 boxes. Nikoteen Liquid, $1.50 per pint; $13 per case of 10 pints. Nicotine Mfg. Co., St. Louis, Mo.

Wilson's Plant Oil, for scale and insects, ½ pt., $25c; pt., 40c; qt., 75c; ½ gal., $1.25; gal., $2; 5 gals., $9. Andrew Wilson, Summit, N. J.

Insecticides, Hasco liquid nicotine, pts., $1.35; half gal., $5.25; gal., $10. H. A. Stoothoff Co., 116 West St., New York.

Fumigating Supplies, vaporizing pans for tobacco extract, improved. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

Insecticide, Nicoticide, Bug Killer, the best bug killer and bloom saver. P. R. Palethorpe Co., Louisville, Ky.

Insecticides, Carman's Antipest insecticide and fungicide, $1.50 per gal. Perfection Chem. Co. Flushing, N. Y.

Fumigating supplies, tobacco stems, 300 lb. bales, $1.50. W. C. Beckert, 103 Federal St., Allegheny, Pa.

LAWN MOWERS.

Lawn Mower. The Clipper lawn mower, No. 1, 12-in., $5; No. 2, 15-in., $6; No. 3, 18-in., $7; No. 4, 20-in., $8. Draft, money order or reg. letter. Clippera Lawn Mower Co., Dixon, Ill.

METAL DESIGNS.

Metal signs, send for prices. A. Herrmann, 404-12 E. 34th St., New York.

MISCELLANEOUS.

Engravings, best engravings and illustrations of every description for catalogues. Send for estimates. Globe Eng. & Elec. Co., 427 Dearborn St., Chicago.

Printing, large runs of catalogues a specialty. Write for figures. Regan Printing House, 89-91 Plymouth Place, Chicago.

Florists' overdue accounts and bad debts collected by the National Florists' Board of Trade, 56 Pine St., N. Y.

PAINT, PUTTY, ETC.

Paint, Ideal Greenhouse Lead; Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, N. Y.

Paint, Putty, etc. H. M. Hooker Co., 59 W. Randolph St., Chicago.

Paint, Putty, etc. The Jas. H. Rice Co., 80-82 Wabash Ave., Chicago.

PIPE, FITTINGS, ETC.

Pipe, iron fittings, etc., galvanized iron sash hinges, screw eyes, screw hooks, U bolts, galvanized iron buckles and wires. Fittings for purlin and ridge supports. Foley Mfg. Co., 471 W. 22d St., Chicago.

Iron Fittings, patent iron bench fittings and roof supports. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

Pipes, valves, fittings of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

A Bargain, 4-in. cast iron pipes, 5 foot lengths at 12c per foot. C. C. Pollworth Co., Milwaukee.

POTS, PANS, ETC.

Pots, standard, seed pans, cut flower cylinders, hanging baskets, lawn vases, etc. Hilfinger Bros. Pottery, Ft. Edward, N. Y.

Pots, red standard. Paducah Pottery Co., Paducah, Ky.

Pots, standard flower pots. The Whildin Pottery Co., Philadelphia, Pa.; Jersey City, N. J.; Long Island City, N. Y.

Pots, before buying write for prices. Geo. Keller & Son, 361-63 Herndon St., near Wrightwood Ave., Chicago.

Pots, red standards, full size and wide bottoms. Detroit Flower Pot Mfy., 490 Howard St., Detroit, Mich.

Pots, red standard, azalea pots. The Keller Pottery Co., 213-223 Pearl St., Norristown, Pa.

Pots, pots of all kinds. A. H. Hews & Co., No. Cambridge, Mass.; Long Island City, N. Y.

Pot hangers, Kramer's $1 doz. by exp., $1.25 by mail. I. N. Kramer & Son, Cedar Rapids, Ia.

Pots, Syracuse, red, Syracuse Pottery Co., Syracuse, N. Y.

Pots, all sizes. Ionia Pottery Co., Ionia, Mich.

PRUNING SHEARS.

Pruning shears, Rhodes double cut. Rhodes Mfg. Co., Grand Rapids, Mich.

PUMPING ENGINES.

Pumping Engines, two streams of water for 1 hour cost 2 cents if you use a Standard pumping engine. The Standard Pump & Engine Co., Cleveland, O.

SEED CASES.

Seed cases, Heller's mice proof. W. C. Heller & Co., Montpelier, O.

STEAM TRAPS.

Steam Traps, the Standard return steam trap has no equal for its simplicity of working. E. Hippard, Youngstown, O.

SUPPLIES.

Supplies, milkweeds, wire designs, cut wire, all kinds of letters, immortelles, cycas leaves, sheaves of wheat, ribbons, corrugated boxes of all kinds. Henry M. Robinson & Co., 8-11 Province St., Boston, Mass.

Supplies, Xmas bells, pot covers, crepe paper, chiffon, gold letters, immortelles and wreaths. C. C. Pollworth Co., Milwaukee, Wis.

Supplies, cape flowers, cycas leaves, metal designs and all florists' supplies. A. Herrmann, 404-12 E. 34th St., New York.

Supplies, importers and manufacturers of florists' supplies. L. Baumann & Co., 78 Wabash Ave., Chicago.

Supplies, importers and manufacturers of florists' supplies. Reed and Keller, 122 W. 25th St., New York.

Supplies, wire designs, etc. The Cleveland Cut Flower Co., 215 Huron road, Cleveland, O.

Supplies, wire designs. Pittsburg Florists' Ex., 228 Diamond St., Pittsburg, Pa.

Supplies, ribbons and violet ties. Wm. B. Lake, 2535 N. 34th St., Philadelphia.

Supplies and novelties of all kinds. J. Stern & Co., 125 N. 10th St., Philadelphia.

Supplies, flower baskets, novelties. Riessner Bros., Lichtenfels, Bavaria.

Supplies of all kinds. E. F. Winterson Co., 45 Wabash Ave., Chicago.

TOOTHPICKS.

Toothpicks, wired, $1.50 per 10,000; $6.25 per 50,000. W. J. Cowee, Mfr., Berlin, N. Y.

VENTILATING APPARATUS.

Ventilators, the Standard ventilating machinery, original machine with self-oiling cups, most powerful, least complicated, very compact. E. Hippard, Youngstown, O.

Ventilators, The Advance Ventilating Apparatus. Write for estimates and circulars. The Advance Co., Richmond, Ind.

Ventilators, Evans' Improved Challenge ventilating apparatus. Quaker City Machine Works, Richmond, Ind.

Ventilating Apparatus. Send for circulars. Diller, Caskey & Co., cor. 6th and Berk Sts., Philadelphia.

Ventilating apparatus for every type of greenhouse. Lord & Burnham Co., 1133 Broadway, New York.

Ventilators, hand ventilating, etc. The King Construction Co., N. Tonawanda, N. Y.

Ventilators, ventilating apparatus of all kinds. Hitchings & Co., 1170 Broadway, New York.

Ventilators, New Departure ventilating appliance. J. D. Carmody, Evansville, Ind.

WIRE SUPPORTS.

Wire supports, model extension carnation supports, galvanized wire rose stakes, tying wires, single and double pot hangers. Igoe Bros., 63 Metropolitan Ave., Brooklyn, N. Y.

ELECTROS...

For Catalogue Purposes.

WE have a large assortment of strictly high-class halftones of which we can supply electros suitable for catalogue illustration. If you need anything in this way, state your requirements and we will submit proofs of the illustrations in stock

Price for cash only 15 cents per square inch.

THE AMERICAN FLORIST CO.,

.....324 Dearborn St., CHICAGO.

If you do not find what you need in our Ready Reference Department, write us about it.

Saves Many Times
ITS PRICE.

$2.00

Postpaid to any address.

THE AMERICAN FLORIST COMPANY'S DIRECTORY saves many times its price to every one who catalogues or circularizes the trade. Fully revised to date of publication, it puts the mail only to live names, avoiding waste of postage and printed matter, time and labor.

Contains 476 pages, lists of Florists, Seedsmen and Nurserymen of the United States and Canada by states and towns, also alphabetically; firms that issue catalogues, foreign merchants, horticultural societies and much other up-to-date information which makes it a reference book of daily utility wherever a wholesale trade is done.

Published annually by the

American Florist Co.

324 Dearborn Street, CHICAGO.

GREENHOUSE MATERIAL

IS THE BEST
WE HAVE LOTS OF IT
SEND FOR SKETCHES
ESTIMATES AND FREE
CATALOGUE
VENTILATING APPARATUS
HOT-BED SASH
FITTINGS &c.

FOLEY MFG. CO.
471 W 22ND ST.
CHICAGO

If you are having delay in getting your roof material, send your orders TO US and don't be in trouble. We will handle any order in the time agreed. Try us.

FOLEY MANUFACTURING CO.,
471 West 22nd Street, : : CHICAGO.

Now is the Time
to Subscribe to the
Horticultural Trade Journal

Published weekly. The Largest Brightest, and Best British Trade Publication. Also

THE INTERNATIONAL EDITION

Published quarterly. Annual subscription for weekly and quarterly numbers, One dollar, (International money order). Subscribe to-day and keep in touch with European markets and topics.

THE HORTICULTURAL PRINTING COMPANY
BURNLEY, ENGLAND.

Please mention the American Florist when writing

The Best Way to Collect an Account

is to place it with the

NATIONAL FLORISTS' BOARD OF TRADE,
56 Pine St., New York.

Why? Because many debtors will pay the Board, fearing otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.

Please mention the American Florist when writing

THE LOW PRICE HEATING PLANTS

The Chicago House Wrecking Co. is in position to offer you an interesting proposition for furnishing you with a heating plant at a saving of at least 30%. Send us a sketch of your houses with preferred location of the boiler, the points of compass and the desired night temperature for zero weather, and we will gladly submit you an exact detail quotation of all material required to install the plant. We have ***heaters*** and ***boilers*** of every kind, both new and rebuilt. We have always ou hand a large number of rebuilt boilers suitable for greenhouse heating. Our stock embraces ***fire box boilers, horizontal tubular boilers, Kroeschell boilers, cast iron sectional boilers, Erie City economizers*** and other types

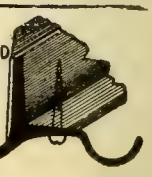
We can save you considerable money on ***pipe, valves*** and ***fittings;*** also on ***doors, glass, sash*** and everything needed in the construction of your buildings.

Ask for our Special Catalogue No. 47.

CHICAGO HOUSE WRECKING CO.,
35th and Iron Streets, CHICAGO.

Use our patent Iron Bench Fittings and Roof Supports.

THE JENNINGS IMPROVED IRON GUTTER.



IMPROVED VAPORIZING PANS
For Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY & CO. SUCCESSORS TO JENNINGS BROTHERS,
S. W. Cor. Sixth and Berk Sts., PHILADELPHIA.

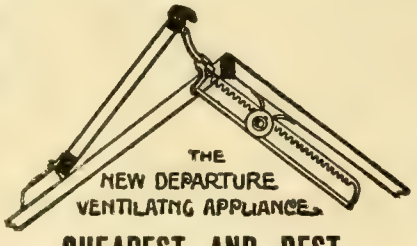
VENTILATING APPARATUS.

HASCO LIQUID NICOTINE FOR SPRAYING AND VAPORIZING.
15% Stronger Than Any Made.
Pts., $1.35. Half Gal., $5.25. Gal., $10.00
THE H. A. STOOTHOFF CO., 116 West St., NEW YORK.

GREENHOUSE HEATING

Complete heating plants erected or materials furnished with working plans. Write for prices on **BOILERS.**

JOHNSTON HEATING COMPANY,
St. James Building, 1133 Broadway, NEW YORK.



CHEAPEST AND BEST.

If you doubt it try them and be convinced. Send for descriptive price circular.

J. D. Carmody, Evansville Ind.

Please mention the American Florist when writing.

THE ART OF
Floral..... Arrangement.

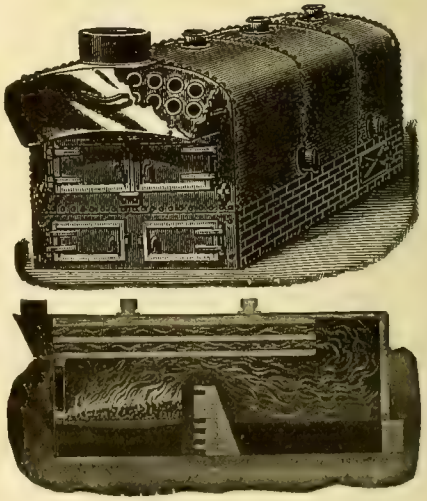
The first special newspaper in the world for floral arrangement.

250 ILLUSTRATIONS ANNUALLY.

Specimen number free.
Subscription, $2.40 yearly.

BINDEKUNST-VERLAG,
J. Olbertz, ERFURT, GERMANY.

KROESCHELL BROS. CO.
IMPROVED
Greenhouse Boiler
45 Erie Street, CHICAGO.



Boilers made of Steel Boiler Plate; shell, firebox sheets and heads of steel; water space all around front, sides and back. Write for information.

...Send Advertisements Early...

THE AMERICAN FLORIST

America is the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXVII. CHICAGO AND NEW YORK, DECEMBER 29, 1906. No. 969

THE AMERICAN FLORIST

TWENTY-SECOND YEAR.

Copyright 1906, by American Florist Company. Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

324 Dearborn St., Chicago.

Eastern Office: 1133 Broadway, New York.

Subscription, $1.00 a year. To Europe, $2.00. Subscriptions accepted only from the trade.

Volumes half yearly from August 1901

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—WM. F. KASTING, Buffalo, N. Y., president; H. M. ALTICK, Dayton, O., vice-president; W. J STEWART, 11 Hamilton Place, Boston, Mass., secretary; H. M. BEATTY, Pittsburg, Pa., treasurer. Twenty-third annual meeting at Philadelphia, Pa., August, 1907

OFFICERS-ELECT—WM. J. STEWART, Boston, Mass., president; JOHN WESTCOTT, Philadelphia, Pa., vice president; P. J. HAUSWIRTH, Auditorium Annex, Chicago, secretary; H. B. BEATTY, Pittsburg, Pa., treasurer.

INTERNATIONAL EXHIBITION—A grand international exhibition will be held with the annual convention at Chicago, November, 1908.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual convention and exhibition, November, 1907. WM. DUCKHAM, Madison, N. J., president; DAVID FRASER, Penn and Homewood Ave., Pittsburg, Pa., secretary.

AMERICAN ROSE SOCIETY.

Annual meeting and exhibition at Washington, D. C., March 13-15, 1907. ROBT. SIMPSON, Clifton, N. J., president; BENJAMIN HAMMOND, Fishkill-on-Hudson, N. Y., secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention and exhibition at Toronto, Canada, January 23-24, 1907. JOHN H. DUNLOP, Toronto, Canada, president; ALBERT M. HERR, Lancaster, Pa., secretary.

THE AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

Annual convention at Toronto, Ont., 1907. BYRON D. WORTHEN, Manchester, N. H., president; F. L. MULFORD, Harrisburg, Pa., secretary.

AMERICAN PEONY SOCIETY.

Third annual meeting and exhibition at Ithaca, N. Y., 1907. C. W. WARD, Queens, N. Y., president; A. H. FEWKES, Newton Highlands, Mass., secretary.

Contents, page 1098.

Advertising Rates, 1098.

Index to Advertisers, 1124.

Ready Reference Advts., 1125.

SUGGESTIONS FOR FLORISTS.

After Christmas.

It will pay you well now to make a few notes regarding the business you have done at Christmas. Put down the exact amount of holly, evergreen, wreathing, laurel and other greens used; you will then know what to order for the next season. It is an easy matter now to recall to your mind what has been used, and you surely will forget in a few months. You may have had occasion to telephone or telegraph at the last minute for certain plants of which you were sold out, or had a surplus of others. Mark down as near as you can the number of different varieties of flowering and foliage plants you have used, how many Roman hyacinths, lily of the valley and Paper White narcissi you have forced, how many poinsettias you grew and how many were sold. The same with roses, carnations and other cut flowers. It will only take you a few minutes to mark this all down. Should you have used an extra order or delivery book, such as I spoke of in my notes of December 8, put your notes all in it. This book will be a great help to you next season preparing your stock and will enable you to fill an order accurately which some customer wishes to have duplicated, as is often the case with holly and other greens.

Dracaena Terminalis.

I believe there have been more plants of this beautiful dracæna used this year than ever before. And few plants are more useful for Christmas, either as a single specimen or in plant arrangements of baskets, than D. terminalis, on account of its beautiful red colored foliage, as anything red, be it flowers, foliage, or berries, is in demand for Christmas. Should you wish to propagate this plant, you ought to do so now in order to have salable stock for next Christmas. Buy some of the imported canes, cut them up into 2-inch lengths; lay them rather closely on the sand bed, and cover so that after the first watering one can just see the pieces of cane. Maintain not less than 75° bottom heat, even a little higher if convenient, keep the sand moist, and in about 35 days you will be able to remove nice strong shoots. If you lay your pieces of cane in rows two inches apart you will have room enough between the rows to root these young shoots, which can be done nicely in about 14 days with 72° to 75° of bottom heat. Should you have old plants such as are not salable on account of the long naked stems, cut the top off; it will easily root in the sand bed. Cut the stems off about three inches above the root neck and treat as above described for canes. The old plant will in time break into growth again. A more expeditious plan is to cut most of the roots away and stick the plants in the propagating bench. D. terminalis thrives best in a sandy loam. Don't give it too much shade in summer. Syringing is necessary to produce nice large leaves and the plant gets along with less heat than D. fragrans, 58° to 60° in winter being about right.

Stevia.

This old standby has been grown for so many years and is so well known that it would hardly seem necessary to write about it, and yet there are a good many florists who have plenty of room to grow at least three or four dozen plants which would bring them good returns, and still they buy the cut sprays at 50 to 75 cents per bunch in the market year after year. We haven't a customer who does not ask for some sort of green or foliage to be sent along with an order of cut roses or carnations, and it is a pleasant change to use a few sprays of stevia in December and January from the usual wood fern and asparagus which the customer finds in the box through the remainder of the season. To work up a stock of stevia for next Christmas, the old plants should be cut back now to about four or five inches above the pot. Keep them in a cool house. Start to propagate from the new growth which the plants will make about April. You can either grow them in pots in summer, which

will of course require faithful watering, or you can plant the young 2½-inch stock in the field, and pot up in 6-inch to 8-inch pots in September. Keep the plants pinched back during the summer so as not to produce tall and weakly growth. Move to a cool house before frost and keep them in a temperature of about 45° at night if you wish to cut good sprays at Christmas. Later they will bloom more quickly in a higher temperature, but around the holidays is the time you want them most.

Geraniums.

Don't let your fall propagated stock suffer in small pots. Give them a shift into 3-inch or 3½-inch sizes. Pot firmly and use rather heavy soil. You can get a good cutting of most of those plants in about three weeks, but don't sacrifice the whole plant to get a cutting. Give the plants which are not large enough to allow of removing a cutting, a couple more weeks, or if you wish them to make branches, pinch out the top of the young plants. Should you be short of young plants, take such old stock plants as you may have and plant them out in benches in a carnation house temperature. The unexpected heavy frost last October caught a number of us unawares. The tops of our entire stock was killed in the field. We lifted the plants the following morning, planted them in benches inside, and are now taking the second crop of cuttings from them. Should you be short of stock plants, this is a good time to look around for good 2½-inch stock. The sooner you buy the better.

Stock Plants.

You can't expect good results from cuttings taken from stock that you have in some dark corner of your house, or under some bench. Give the stock plants sun and light. Some of them will need larger pots in order to do well. If your heliotropes, salvias or petunias have a long straggly growth, prune them into shape. They will be better for it, and in a short time the plants will give you a lot of cuttings. Should your salvias or heliotropes have a sickly yellow growth, give them a higher temperature and less water, for a low temperature and sodden soil is death to them. Coleus stock plants don't want to be in a moist atmosphere should you want to keep the mealy bug down.

Poinsettias.

Let me remind you that your stock plants of this Christmas plant should be kept in a dry, warm place. Use pot grown plants if at all possible; lay the pots on their sides and if you have them under a bench, don't allow any water to drip on them. There is nothing further to be done to the plants now. Let them rest until the time to repot next May.

TRENTON, N. J.—The thirty-second annual meeting of the New Jersey State Horticultural Society will be held here January 3 and 4.

BENTON, PA.—Harvey Ash has secured four lots here and intends using them for growing various vegetable plants. A greenhouse 40x60 feet is being erected.

CHRYSANTHEMUMS

Outdoor Culture in California.

The chrysanthemum is one of the comparatively few things that do really well out doors in the San Joaquin valley and give satisfaction for the labor and care expended upon them, for with no rain from early in May until September and possibly later, and with the mercury touching the 100° mark, and very often higher for days together during the summer months, many flowers that prove satisfactory even in other parts of California, wilt and wither away with us. There are a number of excellent books in print describing methods of culture for the chrysanthemum, but up to the present I have not found one that is of much practical value for California, or at least central California, and the man who attempts to grow fine chrysanthemums must experiment for himself till he finds the methods that suit the existing conditions of soil and climate in his particular locality.

I take cuttings about the end of February, which is early enough, for if taken earlier lanky plants result. As soon as they are well rooted I put them into 3-inch pots and allow them to remain there as long as posible without becoming potbound. They are then planted in rows in their permanent positions, about 18 inches apart, leaving sufficient space between the rows to give the necessary attention. The soil is sandy here and needs a liberal supply of cow manure which must be quite rotton, or it will burn the roots of the plants as soon as the hot weather commences. The wire fence method is best for tying them. When about one foot high they are stopped and never more than three stems allowed to grow. Most writers particularly warn growers against over-watering, but with us the difficulty is to be sure that every plant gets sufficient moisture, especially down at the lowest roots. In August it is advisable to give a light top dressing of rotten manure and towards August 25 buds will commence to appear on certain varieties. This season there came a cool week about August 20 and I secured buds on Wm. Duckham and F. S. Vallis, and obtained the finest flowers from those particular buds, but it is best not to take buds of the majority of varieties before September 1.

W. Wells, the well known English grower, gives instructions in his book on timing the flowers, but although I have tried it here I did not see that it made any difference. Such varieties as F. S. Vallis, Wm. Duckham, Timothy Eaton, Col. Appleton, Nellie Pockett, etc., do well but a good many varieties prove worthless with us although having a great reputation elsewhere. We need sturdy growing sorts and colors that do not fade badly in the sun. We have no pests to speak of, although the green lady-bird eats the petals of the flowers if not watched closely. From what I can learn, the climate of the San Joaquin valley closely resembles that of Australia and I see no reason why we should not produce new varieties equal in every way to those brought out in that country.

F. FOSTER.

CHRYSANTHEMUMS OUTDOORS IN CALIFORNIA.
Wm. Duckham in background, F. S. Vallis in front.

Cut Blooms For Various Purposes.

ED. AMERICAN FLORIST:—

Referring to the very interesting discussion in your columns, between Fred Lemon and Elmer D. Smith, in the articles, as above, I may say I am neither an importer of new varieties nor a hybridizer and introducer, but I am one of those who are constantly looking for the very best commercial varieties to grow for the wholesale and retail market, and I am naturally interested in any question bearing on that subject. I have followed the above discussion with great interest, and I will give my opinion as one of the hundreds of small commercial florists who are watching these varieties as they are introduced.

I agree with Mr. Smith that the introduction and recommending of so large a number of new varieties every year is a waste of both money and time, and

very disappointing to those who freely invest in them. I think also, it would be a good thing if the importers and introducers of these new French, English and Australian varieties would grow them and try them thoroughly for two or three years and get them acclimatized before sending them out for others to buy. Of course, I realize that it would take a lot of space, time and money to have one, two and three years' importations growing at one time, but by doing it the general trade and all the other smaller florists would be better protected from buying a lot of comparatively worthless varieties, only to discard them again in a year or two. Even if the introducers charged a little more for varieties thus tried, it would be more satisfaction to buy one or two really good ones than to buy a dozen or more, most of which would be dropped the next year. I realize that it would take probably several scores of new ones to get those one or two good ones, and I question if it would be a very profitable business for the importers, but it would certainly be a benefit to all the rest of us. In reference to the C. S. A. certificate, I do not take it for granted that a variety is especially good because it gets that, or scores high one season, but let it get the high score two or three years in succession and where it is possible let some of the judges see it at the greenhouses and there get a few ideas as to its commercial value and take that into consideration at the final scoring.

I think the chief reason why the French varieties scored so high and received the majority of certificates was because there were not many American grown varieties submitted to the principal committees and that was possibly also the reason why all the seedling prizes at the Chicago show were won by French varieties. I was there and saw all the varieties that took first prizes and I was not over impressed with them as to their commercial value. I doubt if I shall ever invest in any one of them. Why do not our American hybridists put some American grown varieties up and beat those French varieties they are talking so much about and criticising? Where was Dorner's, and Nathan Smith's latest and newest productions, if they have got the commercial varieties of American origin which are better than the French imported ones? Why do not they put them up? We would all like to see them and have a chance to compare them, and then we would better know where to invest our money. I have faithfully tried a few imported and a few home grown novelties every year and I think that if Mr. Lemon, as Mr. Smith says, can count all the French varieties which produce good flowers from late buds on the fingers of his two hands, then Mr. Smith can count on the fingers of one hand all the good commercial varieties he has sent out during the last five or six years that are still good. At least that is my experience with them and I think altogether it is a very unsatisfactory task to supply the market growers with new varieties. Sometimes, of course, it is the grower's fault if a variety does not make good, but often it is the variety that is responsible for the failure and it is in chrysanthemums, as in carnations, roses and other novelties, one must keep buying until the best are found.

GUNNAR TEILMANN.

Another Opinion.

Referring to the very interesting articles from Elmer D. Smith and Fred Lemon on the commercial value of American raised varieties and importations from foreign sources:—The illustration accompanying Mr. Smith's first article, while being a good comparison, shows, in my opinion, the very limit of extremes in both cases. The foreign variety with such a long neck is, I know, useless for commercial purposes, but on the other hand, I have also found that, for shipping and handling, a little longer neck on some American varieties would be an advantage. In summing up the cause of so many foreign varieties being discarded so quickly, I think the principal objection is on account of the colors. A very large percentage of importations are either pink, or red, or yellow, with red and bronze shadings, and we all know that, for commercial purposes, these colors can only be used in small quantities compared to white and yellow.

It is only a few years ago when a satisfactory pink chrysanthemum for any purpose was hard to find, but with the coming of Mlle. Marie Liger, Mrs. Coombes, Wm. Duckham, Mrs. Barkley and Dr. Enguehard, it seems like a deluge of pink. The same can be said of the red and bronze varieties. Most of these produce fine large flowers and are good growers, but owing to the limited use which they can be put to a very few quickly developes into a surplus. The foreign kinds almost without exception require to be more closely studied to bring them to perfection, but my experience has been that it will pay, especially if care is taken in the selection of the colors. The other day several vases of Mlle. Jeanne Nonin came under my notice in New York, but they were very poor excuses for this fine variety as I have seen it; when well done this sort will pay as well as any late white chrysanthemum.

There are, in my opinion, too many varieties imported of the same color, too much reliance placed on catalogue descriptions and, in most cases with new varieties, only a few are purchased. In a great many instances these are lost sight of during spring rushes of other important work, consequently they do not get the proper treatment or a fit place; they fail to come up to expectations and are thrown out. There are some varieties of foreign origin, not mentioned in Mr. Smith's or Mr. Lemon's articles, which have proved themselves to be money makers, notably Guy Hamilton, Cheltoni, and Nellie Pockett. These may suffer when they have to be handled in large markets, but for the best trade, when well grown, they sell readily, especially where the customer is catered to direct. C. W. JOHNSON.

CHRYSANTHEMUMS OUTDOORS IN CALIFORNIA.
Timothy Eaton.

To Be Done Now.

IN THE GREENHOUSES.

Keep the stock of pelargoniums for flowering in May and June well up to the light and water only moderately.

Remove all dry and dead leaves from the lower part of the carnation plants and keep the top soil sweet.

Prepare all hardy shrubs and plants for forcing by a few weeks sojourn in quite a cool house.

Improve the strain of your plants by selecting the best habited specimens for propagation, either by seeds or cuttings.

Dried blood is an excellent fertilizer, much used and highly spoken of by large growers of pot plants.

Cleanliness is godliness in the propagating houses and without it a good start in life for young plants is impossible.

A few pips of lily of the valley in 5-inch pots make very pretty plants, that are a nice change from those more generally grown.

Hydrangeas that have started may

have the temperature slightly raised now. Make no rapid changes however.

Where there is a large call for pansies begin seed sowing at once, in order to have good plants in succession.

IN THE STORE.

Phoenix Roebelenii is a hardier palm than Cocos Weddelliana, a better shipper and equally light and graceful.

Clear out all old Christmas stock of holly and greens and have a clean store and start for the coming trade.

A little ribbon is all right but the flowers and plants are the thing in a florist's store.

Show your best stock of all kinds, whether cut flowers or plants. It is the best goods that attracts attention.

Whenever possible harden all plants a little before showing them in the window. This will improve their lasting qualities.

Green foliage and edging plants look better, in the birch twig baskets, than those with colored leaves, like marantas and panicums.

The green Roman ware is excellent for selling plants in, the dull color showing their brighter tints to advantage.

Adiantum Farleyense is a good filler, even in small plants, its somewhat flat fronds making the most of themselves in this way.

Don't make more display than is necessary with the tools of the trade and toothpicks, wire and moss.

OUTDOORS.

Where you have room, in cellar or shed, untie all bundles of plants such as roses and shrubs before bedding them in sand or soil. This will then reach all the roots.

Keep a fire going for burning up all refuse; the charred ash is a valuable material for many purposes if collected and kept dry.

Really well developed plants for forcing, of the shrubbery order, are better for a good freezing before hand. It is the weak and unripened wood that suffers.

Loose litter is a better protection to Lilium candidum and plants that carry green leaves through the winter, than anything else. It shades the plants on bright mornings following severe frosts.

It is wrong to pick out all the straw litter when preparing mushroom manure, as a little helps to retain the heat when the beds are made up.

Most of the trouble, in reference to soils working badly in spring, is caused by treading on and handling them when wet.

Spireas, lilacs and any really hardy shrubs, may be lifted for forcing even if the ground is a little frozen.

Carefully protect specimen conifers and other trees from ground game and animals generally when there is snow on the ground.

NEWFANE, N. Y.—William Glenwood is building a greenhouse in the rear of his store.

TALLAPOOSA, GA.—Mayor Sheppard is constructing a fine greenhouse at his beautiful home on Bowden street.

PONTIAC, MICH.—The people here are wondering why A. B. Lewis christened a new yellow and white chrysanthemum Cassie Chadwick.

WITH THE GROWERS

C. K. Hoffmeyer, Carnegie, Pa.

One of the oldest growers in the Pittsburg district is C. K. Hoffmeyer of Carnegie. Coming to this country from Germany, he immediately started to put up glass. At first this was given over mostly to vegetables and bedding plants, but later cut flowers only for the Pittsburg wholesale market were grown. The place consists of ten modern houses, nearly all containing carnations. Some success was met with in Harrisii lilies, and some very fine Kaiserin roses have been cut during the past few years, but now Mr. Hoffmeyer devotes most all his time to carnations. He always relies on his own plants and always has the finest flowers on the market. Enchantress, Lawson, Harlowarden and Lady Bountiful are preferred. During the summer months much attention is given to asters and fruit.

Carnation Exhibition in London.

Since the inauguration of the British Winter-flowering Carnation Society in May last, there has been much speculation amongst growers as to what the first exhibition would be like. When the society was formed its title was a debatable point, some advocating the prefix "winter-flowering," others "perpetual flowering." The former was selected, as the object of the society is to foster the carnation as a winter-flowering subject. Unfortunately a prefix was a necessity, as we already have the National Carnation Society which devotes its attention solely to border varieties. On no account could its members—florists of the old school—be induced to take the "new-fangled flowers from America," as they termed them, under their wing. They even looked askance on all efforts made to introduce them to popular favor.

ESTABLISHMENT OF C. K. HOFFMEYER, CARNEGIE, PA.

However, the new society was duly launched and on December 4 held its first exhibition in the Royal Botanic Gardens, London. It proved a complete success, surpassing the anticipations of its promoters. The long corridor of the Royal Botanic Garden conservatories never presented a more gay and cheerful appearance than on this occasion with its tables of carnations on each side from end to end and extending to the palm houses beyond. It was indeed a brilliant spectacle such as we have never before witnessed at a December exhibition. Considerable interest centered in the exhibits not only by the growers, who are rapidly increasing in numbers, but also by the general public.

Three new varieties were placed before the floral committee and first-class certificates were voted to two of them, namely, Britannia and Mrs. H. Burnett. Britannia was exhibited by A. Smith, Enfield Highway. The flowers are very large, of good form, brilliant scarlet, the calyx faultless, and they are borne on erect, stout stems. Unfortunately the flowers have little or no fragrance, but in every other respect it is an ideal variety and sure to be in great demand. Mrs. H. Burnett was exhibited by H. Burnett, St. Margaret's Vineries, Guernsey. The flowers are of good size and form, fragrant and of a rich shade of pink, valuable for bouquets and decorative work, a charming flower in every way.

In the chief class for collections of carnations, the blue ribbon of the exhibition was awarded to C. F. Waters, Balcombs, Sussex, S. Mortimer, Farnham, Surrey, running him very hard for the coveted honor. Enchantress, Harlowarden, Mrs. Patten, President, Lady Bountiful, Robert Craig, Nelson Fisher, etc., were very meritorious in the collections. In the class for whites A. F. Dutton was first with Dutton's Improved White Lawson, a variety which originated in his nurseries and a decided advance on White Lawson as imported from America. In the class for blush or light pink Mrs. H. Burnett beat all comers, Enchantress taking second and third prizes, and in scarlets Britannia was invincible.

Non-competitive exhibits of carnations, cut blooms and plants, from several leading growers, added greatly to the effect and interest of the display and awards were made as follows: A. Smith, gold medal; H. Burnett, gold medal; W. Culbush & Sons, large silver gilt medal; Hugh Low & Co., large silver gilt medal; A. F. Dutton, silver gilt medal; Bell and Sheldon, silver medal.

In the evening a conference of trade-

growers of carnations was held and various items connected with the introduction and sale of new varieties freely discussed. Arrangements are now in hand for a second exhibition to be held in March, 1907.

BEE.

Coccolobas.

Although a fairly large genus numerically, not many of the coccolobas are at all well known as cultivated plants, the species figured being an old one introduced to cultivation many years ago from the West Indies, yet even now very little grown. Perhaps the best known kind is C. uvifera, the West Indian seaside grape, a plant which grows naturally on the shores of the West Indian islands, in an apparently sterile mixture of sea sand and shells. This produces bunches of white fragrant flowers, followed by more or less edible fruits.

C. pubescens, as will be seen by the illustration, is a plant with attractive foliage, green above and white beneath and downy as the specific name indicates. Propagation is effected by cuttings of the semi-ripened shoots, taken at a joint with the leaf kept entire, the cuttings being either placed singly close to the edge in small pots of sand, or on the propagating bench. Keep moist and warm until well rooted and grow the plants on in a moist atmosphere. C. platyclada, the well known old tapeworm plant, does not really belong to this genus at all according to modern botanists, but to muehlenbeckia.

Twenty Years Ago.

Floral umbrellas were fashionable.

The first flower show in Kansas was held at Topeka.

Marshall P. Wilder died December 16 at the ripe age of eighty-eight.

There were kicks coming to the Horticultural Society from the New York Florists, for selling flowers at their shows.

The American Beauty was becoming very popular in the New York market.

Araucaria excelsa in 4 and 5 inch pots sold readily at $4 and $5 each in California.

E. G. Hill was recommending florists to raise their rose cuttings in sunny light positions rather than shady dark ones.

Linseed oil and sugar of lead were recommended as a shading material for greenhouses.

The sale of cheap packets of seeds by the department stores was beginning.

Kerosene emulsion prepared from milk and kerosene was recommended for killing scale insects.

The lemon scented gum tree Eucalyptus citriodora was beginning to be known.

Nymphæa odorata rosea was recommended as a beautiful aquatic.

Poinsettias, Jerusalem cherries and ardisias were favorites for Christmas decoration.

Gorgeous was a favorite chrysanthemum. Have we a better yellow for color today?

The John A. Salzer Seed Co. was originated at La Crosse, Wis.

Long stemmed roses were coming into fashion showing the good taste of the American public.

The excellent qualities of the free blooming and showy Cattleya Trianæ were already well known.

White Baroness, Her Majesty and Merveille de Lyon were among the new roses.

The swindling seed traveler, with his high priced seeds and promises to buy resulting crops, was busy at Rochester, N. Y.

A wreath of Russian violets fastened with black pansies was noted as a superb funeral device.

Roses were quite out of style for wedding bouquets in New York. Orchids, gardenias and bouvardias were the rage.

W. S. Kimball grew 135 kinds of cypripediums alone in his famous collection of orchids.

The double zinnias were being greatly improved and advancing rapidly in public favor.

Foliage bouquets composed of ferns, asparagus, lycopodiums and other greens were fashionable as opera bouquets.

The staking nuisance was condemned by writers in THE AMERICAN FLORIST, a glaring example of 50 stakes in a 10-inch pot, and a plant only two feet high being noted.

Wedding boutonnieres were made very large. Camellias, two or three gardenias, 100 violets or six to ten lily of the valley spread fanwise were not at all uncommon.

Those lovely Japanese anemone flowered chrysanthemums, Fabias de Maderanaz, Soeur Dorothee Souille and Madame Cabrol were new and rare. Where are they now?

The Calendar flower bed, in which 3,000 odd plants had to be taken up and reset daily, was one of the features of the bedding in the South Chicago parks.

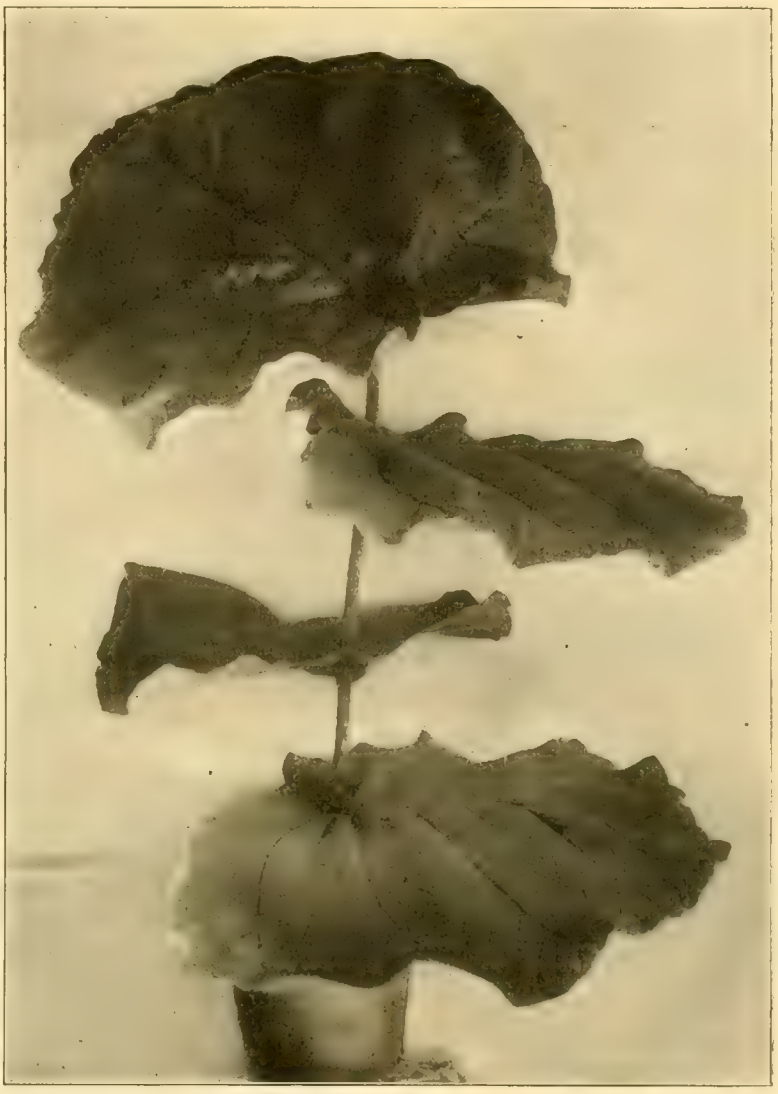
One of the finest orchid cuts to date, that of Cyripedium Morganæ, was published in THE AMERICAN FLORIST.

An enterprising New York florist was expecting to bring in a crop of chrysanthemums to flower at Easter.

John Thorpe entertained members of the Chinese embassy at his home at Queens, receiving in return for his hospitality some very beautiful embroidery pictures of flowers and birds on white satin.

Three telegraph poles, with a broken wire hanging to the base, and on the other side 30, meaning goodnight, was one of the devices used at the funeral of a telegraph operator in Washington.

It was resolved: "that the cultivation of, and the traffic in, the chrysanthemum



COCCOLOBA PUBESCENS AT THE PHILADELPHIA SHOW.

See issue of November 17, page 794.

is on the whole unprofitable to both grower and dealer" by the Philadelphia Florists' Club. John Westcott took the affirmative side of the discussion and Edwin Lonsdale the negative.

THE RETAIL TRADE

New York Florists' Windows.

The dull and rainy weather of the three days preceding Christmas week made any attempts at lavish window display fruitless, as steamed windows very generally handicapped work in this direction. On Sunday, however, many of the prominent retailers made handsome displays. Orchids seemed to find most favor and were seen more than at any time before. Ficus pandurata made its initial appearance as a decorative plant, and bedecked with wide crimson ribbon was shown to advantage. Araucarias were quite popular and were on view in a variety of trimmings, a style with narrow ribbon and small Christmas bells perhaps mostly prevailing. Oranges were not seen to the same extent as formerly, while azaleas were used everywhere. Most windows were dressed in a heavy style, and the absence of cut flowers was very noticeable. Plants seemed to be relied upon for effect in nearly every establishment. Skimmia Japonica was very prominent at Siebrecht's and could be seen side by side with Ardisia crenulata.

Charles Thorley presented a change of window display daily, and the showings were fine. On Friday he had a window full of ardisias in a tier of rows banked solidly, all in baskets, and decked with crimson ribbons. On Saturday he had a grand show of cattleyas, growing plants in orchid baskets, ribboned to match and many suspended with ribbon. The Fifth avenue store on Sunday also had a window of cattleyas and cypripediums, well-flowered plants, with ribbons to match the flowers.

Geo. M. Stumpp had a very fine window. Ficus pandurata, large specimen plants, were used for a background, and contrasted splendidly with a solid display of panned poinsettias in the foreground.

J. M. Hodgson made a good display with araucarias decorated with crimson ribbon and small red bells, with a hamper or two, and an array of miniature Japanese gardens.

Alex. McConnell had a window of oranges, with rods reaching from top to bottom of the window carrying vases filled with fruited orange sprays.

The Fleischman Floral Co., which is quite original in its styles of window dressing, at its Fifth avenue store had a show of ten shrubs in square boxes. On each shrub was a large rosy apple of a quality seldom seen outside of an exhibition. An electric fan in the rear of the window kept the foliage in constant motion, making a rather weird effect.

Thos. Young, Jr., had a fine show of orchids in the window of his Fifth avenue store, and with a few made-up baskets a pleasing effect was obtained.

Wadley & Smythe had a window of cattleya plants in orchid baskets. Ribbon hid the boxes and was also used to suspend the plants. Camellias, small oranges and Adiantum Farleyense made up the foreground.

Siebrecht & Son made up a handsome window with fancy baskets of cattleyas, cypripediums and dendrobiums, with camellias and Adiantum Farleyense to make a contrast.

At Scallen's in the Imperial Hotel building was to be seen a window made up of small baskets of ardisias and Adiantum Farleyense, arranged in alternate order. Above were strings of roping enlivened with Christmas bells in various sizes.

Myer, at Fifty-eighth street and Madison avenue, had a fine window of Gloire de Lorraine and Turnford Hall begonias, many in fancy baskets which were dressed on both sides, the rear showing a plant combination. A supporting column in the window carried princess pine roping arranged spirally with Christmas bells at intervals.

Hanft Bros. made a display of filled hambers and baskets, in a variety of combinations.

A. Warendorff at his Broadway store used his window mainly to show basket specialties, and made daily, and at times hourly changes. Anything unusual or out of season grown for the market could be seen there. Cut flowers in baskets provided with water holders were prominent and a card informed those interested that the combinations were delivered as seen.

J. H. Small & Sons used plant combinations in baskets and hampers very largely for their window displays. One or two baskets in which were centered magnificent specimens of Begonia Gloire de Lorraine attracted much attention.

Retail Holiday Trade in Chicago.

A brief visit to some of the principal retailers reveals the fact that the busiest time in some of the down town stores is just before the holidays, while other retailers have time to rest on their oars a little preparatory to the holiday rush. Perhaps the most pleasing and satisfactory point about the retail trade this year is the excellent and varied supply of Christmas plants. Not so many years ago there was great difficulty in obtaining sufficient variety in this line, but now there is abundance of good material in great variety, and at a price within the reach of all.

It is difficult to particularize among such a wealth of good things, but for really elegant decorative plants, the beautiful ardisias, that are coming from eastern growers, must be awarded the palm. Necessarily these are high in price in comparison with other stock on the market, but their lasting qualities and their bright telling appearance make them easily worth the money. At the time of writing, cut stock is high in price and difficult to obtain. Some retailers are saying hard things of the growers, claiming they are keeping stock back with a view to obtaining big prices. But possibly these do not in all cases consider the heavy demand recently made for Thanksgiving orders and the unusually dull weather recently experienced. It is so easy to blame the "other fellow" in circumstances like these.

But if good cut stock is scarce, artificial and everlasting flowers and all kinds of devices for aiding the florist to display his goods to advantage are plentiful enough. The green Roman ware is a fine idea; its dull tone and absence of any color that can clash with the plants used being all in its favor. Birch bark baskets, canoes and other devices are very pleasing and the birch twig baskets are also pretty when judiciously filled. The later shipments of holly are fine in color and well berried, looking like keeping well into the new year. The custom of using ribbon on plants is increasing and has reached a point where there is more than a little danger of overdoing the thing. A few bits of scarlet ribbon are very pretty, but when we see quite small plants of araucaria with a dozen or more bows of ribbon, one to each tiny branch, the effect is anything but good. We have no desire to teach florists their business and they should be the best judges of the public tastes, but from an artistic point of view we certainly protest against this over-display of ribbon.

J. Muir, Forty-seventh street and Grand boulevard, and 3539 Michigan avenue, has fine window displays in both places. Poinsettias, fine in color and thinly and artistically arranged, healthy looking araucarias, azaleas in full flower, and the showy Begonia Gloire de Lorraine helps the display. The ardi-

J. W. WOLFSKILL'S NEW STORE, LOS ANGELES, CAL.
An exterior view.

sias at the Michigan avenue store were certainly the finest we have seen anywhere, ranging from quite small to large plants, all finely berried, 16 to 20 bunches being counted on many of the plants. These are shown in baskets and in Roman ware vases and have a very good effect, in the latter especially. Cibotiums and an exceptionally choice showing of palms, consisting of kentias, Areca lutescens, the graceful Phoenix Roebelenii and others were also noted

W. J. Smythe, 259 Thirty-first street, has some exceptionally well arranged baskets of plants, one especially noted being simply but very effectively filled with bright cherry red cyclamens, Christmas peppers and the usual small ferns and foliage plants. The small ware articles, too, were especially attractive, fresh and thinly made up, while oblong boxes of birch bark, prettily filled with plants, are bound to sell well. All kinds of devices made of red immortelles are shown, the stars and bells being the best sellers.

C. A. Samuelson, 2129 Michigan avenue, carries a large and select lot of plants, his araucarias, ardisias and other foliage and berried stock being very fine and arranged with the good taste always shown by this clever decorator. Mr. Samuelson reports very satisfactory business all through and the orders already booked make the outlook for the whole holiday season excellent. Large lots of cut flowers in all the best varieties are being handled, a fine lot of cattleyas, among others, being seen.

P. J. Hauswirth is still confined for room in his store at the Auditorium annex, but is handling a pretty large volume of business of the very best character. He has the goods in plenty and his window is very bright with poinsettias, Begonia Gloire de Lorraine, azaleas and other seasonable plants and cut flowers. He speaks well of the state of trade and is looking forward to a continuance of the recent activity.

O. J. Friedman, 1 East Van Buren street, has a very elaborate display of plants, artistically and beautifully arranged. A fine white heath draped with pale pink chiffon is very elegant and many beautiful designs in plant baskets are seen. Wreaths of fir cones and various other materials are quite above the average in merit, while the plants of azaleas, poinsettias, begonias, cyclamens and others are much above the average. There is a big wad of money waiting here for the man who can find plenty of good American Beauty roses with long stems for O. J.'s holiday trade. He modestly puts his daily sales as twice that of any other retail house in Chicago on this particular flower and only shortage of stock is preventing him from selling many more.

John Mangel's fine store on the corner of Monroe street and Wabash avenue is always attractive, as the windows are being constantly changed and the quality and artistic arrangement of the flowers and plants is always of the best. Mr. Mangel, too, finds it difficult to get sufficient good American Beauty and other choice roses and says that just now the high price leaves little in it for the retailer. Business on cut flowers and plants is very good and the holiday outlook is of the brightest. We noted some unusually fine holly being unpacked here, while the azaleas, cyclamens, ferns and other plants were of a high order, as were the made up baskets.

A. Lange, at 40 East Madison street, is strong on all kinds of cut flower stock and in his upper floor show rooms has a fine display of all the best and most popular market plants. Poinsettias, Begonia Gloire de Lorraine, azaleas and various foliage plants are here in large numbers and of excellent quality.

The Atlas Floral Co., at 37 Randolph street, is carrying fine stocks of all classes of flowers and plants, but F. Williams, like many others, has a word to say on the high price of stock, especially the better class of cut flowers. We found him busy on a large decorative order for the opening of a Chinese restaurant for King Joy Lo. Trade has been good here, but there was a noticable falling off just previous to the holidays. Pressure of work and want of space has been the reason for omitting to mention several other important stores.

J. W. WOLFSKILL'S NEW STORE, LOS ANGELES, CAL.
An interior view.

J. W. Wolfskill's New Store.

J. W. Wolfskill, Los Angeles, Cal., moved from his old location to the new one at 218 West Fourth street, December 1, and the city can now lay claim to having one of the finest flower stores in the country. The interior of the store is of mission architecture, in appearance more like a home than a store. It has an old-fashioned fire place, also a cozy corner for ladies.

The ice box, which is 8x15 feet, is of double plate glass and the interior of the box is laid with tile. One very unique feature of the store is its lighting. It has a beamed ceiling and 500 incandescent lights throw out their brightness from the beams.

RICHMOND, IND.—E. G. Hill is making a southern trip.

QUERIES.

Natural Gas in Store.

ED. AMERICAN FLORIST:—

We would be glad to know the experience of others in using natural gas as fuel in store where plants and cut flowers are kept. We have electric lights, but use gas in closed stoves and our plants do not look as we think they should, although we do not see why the same condition should not prevail from using coal with closed burners.

H. F. C.

[Perhaps some of our readers in the gas sections can supply the desired information.—ED.]

Forcing Narcissi.

ED. AMERICAN FLORIST:—

Please state what is the earliest date at which Emperor and Empress narcissi can be brought in from the outside and successfully forced, the bulbs having been put in flats about October 15.

DONTNO.

Both of those beautiful varieties belong to the large Trumpet section of narcissi and for forcing require the same treatment as the ordinary daffodils. "Dontno" should read "Suggestions for Florists," which appeared in THE AMERICAN FLORIST of December 22. He will find an instructive article on the handling of daffodils.

Spireas And Lilacs For Easter.

ED. AMERICAN FLORIST:—

What treatment is required to force spireas and lilacs for Easter blooming and what are the best varieties for the purpose? J. W. S.

Spireas and lilacs for Easter blooming require about the same treatment. It will take about five weeks to get them into bloom for Easter 1907, and it may be well to allow a few more days to

harden them off a little. Start the plants in a 45° temperature increasing to 55° and 60°, or even higher if necessary, but you will have better flowers if they are not forced too hard. Spirea Van Houttei, S. prunifolia, S. opulifolia and S. Thunbergii head the list of those best adapted for forcing. The plants should be potted up in fall and treated similar to hybrid roses, with the exception that no pruning should be done, as flowering wood would thereby be sacrificed.

In lilacs Charles X heads the list followed by Marie Legraye, Mme. Lemoine and Mme. C. Perier, pot grown plants of which are now offered out of 8-inch pots, at $6 to $8 per dozen.

Hollyhocks—Dielytras—Spireas.

ED. AMERICAN FLORIST:—

Will hollyhock seedlings, just transplanted to flats, bloom next season if kept growing without check? What are the best commercial chrysanthemums to grow for market in white, pink, yellow and maroon? What would you follow these up with independent of bedding plants? Will it pay to grow Dielytra spectabilis for Easter, for cut flowers, and Spirea Japonica?

C. U.

To the first query, yes. October Frost, Timothy Eaton and White Bonnaffon are good white varieties of chrysanthemums; Yellow Eaton, Monrovia and Golden Wedding are good yellows; Lady Harriot, Mdle. Marie Liger and Dr. Enguehard are good pinks. Maroon and purple varieties are not very popular for market, but Damio, Alfriston and W. R. Church are occasionally seen. After the benches are cleared of chrysanthemums they can be used for propagating, forcing bulbs, sweet peas, ferns, asparagus, smilax and many other crops, also for the spireas and dielytras you enquire about. Sometimes the early benches can be cleared in time for the later batches of violets, but it needs hustling. Dielytra spectabilis is grown by some florists for cutting and Spirea Japonica for plants, by many. If there was not money in them their culture would soon be discontinued. G.

Times For Seed Sowing

ED. AMERICAN FLORIST:—

Please give the most suitable time to sow the following seeds, to have them at their best in June, July and August, or to be ready to bed out the last two weeks in May. Would a temperature of 60° be suitable?—Alyssum Little Gem, Begonia Vulcan, coleus, Lobelia Crystal Palace Gem, Salvia Clara Bedman, Nasturtium Dwarf Variegated and Marigold Single French.

J. W.

The alyssum is usually sown in late summer for flowering in the spring bedding. If you decide to try it for summer, sow at once. The begonia, coleus, salvia and lobelia should be sown in late January or early February. Sow the other seeds named in March. The temperature named will suit them all, but you must take especial care with the begonia and lobelia seeds which are very small. Sow all thinly and cover with sheets of glass or place in a propagating frame until germination takes place.

G.

Swainsonas Losing Their Leaves.

ED. AMERICAN FLORIST:—

The leaves of my swainsonas have all been eaten, or at least have disappeared within the last two weeks. Can you tell me what is the matter? I have looked for slugs, etc., but have not found anything to account for it. The ends of the branches are sometimes pinched also.

L. C. S.

Your swainsonas have probably been eaten by the grub of the cabbage moth, or some similar insect. These are often so near the color of the leaves that they are very difficult to see, but you should persevere in looking for them, or other plants may be attacked. They may often be found closely clasping the stems of the plants they are eating and are usually on the side farthest from the light.

Kansas City.

CHRISTMAS TRADE GOOD.

From every source in this locality comes the report of a very satisfactory trade for Christmas. A concensus of opinion, among the craft in general, denotes an increase of fully 25 per cent in volume of trade over last year. Conditions lent themselves favorably in almost every instance. The weather was ideal, which was a great help in bringing stock out in fine condition. The quality of stock was good, and deliveries were handled with little difficulty. The sales in green goods were large. Holly as usual was in most demand, and the quality was somewhat above the average. Splendid shipments of mistletoe were received from Indian Territory and Oklahoma. California pepper was much in demand. One store made a specialty of fancy wreaths of boxwood, which proved to be a popular innovation. The cut of flowers was larger than expected, with top notch prices. Carnations were scarce. Roses were well up to the standard, and were fairly plentiful. The high prices of American Beauty retarded any very brisk demand. They ranged from $3 to $25 per dozen. The supply of violets was inadequate. Orchids sold fairly well. Potted plants met with the usual good demand.

NOTES.

The Missouri Valley Horticultural Society's regular meting occurred December 15 in the club rooms of the Coates house. The most important business transacted was the election of officers. The present officers of the society were re-elected for the coming year. They are W. S. Gano, Parkville, Mo., president; Asa Chandler, Randolph, Mo., vice-president; A. V. Wilson, Muncie, Kans., secretary; and Daniel Lowmiller, Parkville, Mo., treasurer. The officers and many members of the society attended the meeting of the Kansas State Horticultural Society held at Topeka, Kans., this week.

The first report of work done by the park board since 1893, was made public at a meeting held December 4. It shows that since 1894 there has been expended on the parks and boulevards in the city $7,005,095.54. At the beginning of the fiscal year, April 16, a balance of $100,722.90 was on hand. Accompanying the report was a statement from Geo. Kessler, landscape architect, recommending a more complete system of boulevards, connecting the different playgrounds, and the establishment of another park somewhere east of the present city limits.

Work is to begin on a 20-story office building at the southeast corner of Tenth and Walnut streets. The buildings on the property are occupied at present by The Owl florist, which means a move for that concern.

Bulb salesmen are making their rounds early this season, among last week's callers were J. Telgelaar, representing Guldemond & Son, and Chas. Schwake of C. F. Meyer, New York.

H. Hulse, of Topeka, Kans., was in the city last week. He reported a large amount of funeral work for the late Eugene Hagan.

Ed. Day, formerly with the Rock Flower Co., paid the boys a very welcome visit last week.

R. S. Brown was absent from his place last week on account of sickness.

C. E. Heite has been kept away from his duties on account of sickness.

Ed. Ellsworth made a trip to Pleasant Hill Sunday.

K. C.

Montreal

STOCK SCARCE.

Prospects for Christmas are very bright among the retailers, the greatest preparations being in progress everywhere; the stores are already stocked to their full capacity with holiday plants and Christmas prices already prevail. The supply of flowering plants will be rather short. Azaleas are very slow coming along and the same may be said of cyclamens and double poinsettias. There is a fair lot of good Begonia Gloire de Lorraine and single poinsettias on the market, but taking it all round there is hardly as much stock shown as last year. For cut flowers the local market almost entirely depends on the west and judging by the price lists good stiff prices are the general rule, with the supply limited, notably on red stock. Lily of the valley and Paper White narcissus are plentiful. One establishment rates single daffodills. In greens the market is well supplied, some extra good holly arriving in case lots. The past few weeks have been very cloudy, with snow and very cold, 22° below zero, the glass being mostly covered with ice and snow making the houses dark and cold and retarding the growth of plants and flowers.

LOCAL SOCIETY MEETINGS.

The annual meeting of the Montreal Gardeners' and Florists' Club was held on December 3. The secretary-treasurer's report was satisfactory, there being 66 members of good standing, and $195.47 stands to the credit of the club in the bank. G. H. Ewing of Woodstock, Ont., who acted as judge in the essay competition sent down his awards as follows: First, J. Pewtress; second, G. A. Robinson; third, G. Vreugde. It was decided to hold a chrysanthemum show in November, 1907. The election of officers resulted as follows: A. Walker, president; J. Pidduck, first vice-president; J. C. Eddy, second vice-president; W. H. Horobin, secretary-treasurer; H. J. Eddy, assistant secretary; G. A. Robinson, A. C. Wilshire,

G. Pascoe, G. Vreugde, G. Trussel and J. Luck, committee; Messrs. Petty, Prescott and Watts, games committee.

The following essays have been read during the year: "Ferns From Spores," by G. A. Robinson; "Trees and Shrubs," by J. Walsh; "Orchids for Beginners," by Thos. Pewtress; "Thorns and Thistles," by G. Vreugde; "Summer Cut Flowers," by A. C. Wilshire; "Hardy Perennials." by G. Trussel; "Notes on Trip to England," by E. J. Hayward and "Notes on Trip to the Pacific Coast," by J. C. Eddy. A cerificate of merit was awarded to C. Craig for specimen cyclamens.

The club mourns the loss of H. Brown, who died last week of heart failure; he was one of our most sociable members, being always of a humorous disposition and we shall miss him very much; he leaves a wife and four children. On Monday the annual turkey euchre took place, G. Trussel and J. Eddy being the lucky winners, who decided to send their winnings to the widow of our late member, H. Brown.

The annual meeting of the Montreal Horticultural Society and Fruit Growers' Association was held in the Guardian building. The secretary's report referred to the success of the exhibition held in June and the comparative failure of the September show. The treasurer reported a balance of $159 on the wrong side. R. Wilson Smith, president of the society, suggested that the best remedy for the financial position would not lie in reducing expenses, but rather in judicious outlay in advertisement and the provision of greater attractions at the exhibitions. It was also mentioned that while the Toronto society receives a grant from the government of $1,000 the Montreal society gets only $500. The following officers were elected: Senator Mackay, president; L. J. Forget, first vice-president; W. M. Ramsay, second vice-president; A. J. Bowles, secretary-treasurer; R. Wilson Smith, J. Morgan, C. Meredith, J. Brown, A. E. Ogilvie, A. Joyce, J. B. Sparrow, J. R. Wilson, A. J. Hooper, D. Williamson, H. Graham, J. Stewart, A. J. Dawes, T. A. Dawes and Mayor Ekers, directors; W. J. Wilshire, Geo. Trussel, W. O. Roy, L. Rubenstein, A. Pinoteau, F. C. Smith, J. Bennett, C. A. Smith, Geo. A. Robinson, H. W. Mayer and J. Henderson, executive committee. LUCK.

NEWS NOTES.

BARKER, N. Y.—J. R. Spafford & Son have completed their new greenhouse on East street and have a very fine display of carnations now on.

COLUMBUS, O.—A commission of landscape gardeners is to prepare plans for beautifying this city, by park and boulevard additions. Correspondence has already begun with a number of landscape men and $6,000 has been appropriated for the work.

WACO, TEX.—The first meeting, since the annual show, of the Texas State Horticultural Society was held December 1 in the parlors of the first national bank. A good financial state was revealed by the report and a plan to erect a society building discussed.

EDWARD H. STEWART FLORAL CO.

A tastily arranged bouquet of cut flowers is always an acceptable gift. The giver is at once considered of artistic temperament, a lover of nature and hence a possessor of sweet sentiments. Aside, therefore, from the pleasure in accepting flowers for their own sake's sake, the recipient of the gift invariably admires the donor. Plants, ferns palms and other house plants always make acceptable presents. Edward H. Stewart Floral Co., 661 Third-st, have an excellent stock on hand from which to choose.

W. C. ZIMMERMAN.

It would be hard to imagine what gift would be daintier or more acceptable than a nice bouquet of flowers or a beautiful house plant. There is not a woman living but would prize such a gift from relative or dear friend. A beautiful idea that will be carried out by many in Milwaukee at Xmas time is to trim the home with floral decorations. Mr. Zimmerman, 330 Grand-av, Alhambra building, is excellently equipped to meet any demands. Phone Grand 2583.

MILWAUKEE ADVERTISING.

Reproduced from Milwaukee paper.

CLEVELAND, O.—J. M. Gasser was released from the Cincinnati sanitarium recently, where he had been confined on a plaint laid by his wife that he was insane. Mr. Gasser proposes taking a trip to Burmuda in March to see the lilies in flower.

ALLEGHENY, PA.—Chas. Erhardt and Clarence E. Swartz announce that they have opened a new floral establishment in the center aisle of the Allegheny market, where they will be pleased to meet their friends and patrons. Mr. Erhardt was formerly connected with E. C. Ludwig. The firm name is Erhardt & Swartz.

NEW YORK.—Plans have been filed for an addition of eight new greenhouses and a palm house to the Central park horticultural gardens. The greenhouses are each to be 65x121 feet arranged in two groups of four, close to the present houses opposite 105th street. They are to be of brick trimmed with lime stone, and the total outlay will be $38,275.

COLUMBHS, O.—Notwithstanding reports to the contrary, the work of remodelling and reglazing of the Franklin park greenhouses is said to be proceeding according to specifications. Much remains to be done, including the installation of two 60 horse power boilers of the Scotch marine type. A chrysanthemum show was held the last week in November by superintendent James Underwood.

MOBILE, ALA.—G. P. Mahood, superintendent of Pine Crest cemetery, a new institution just started here by Chicago capitalists, says that the late storm played havoc with the fine trees on the place, some of them centuries old. Some steamers were landed a mile from the bay in the pine woods and will be totally lost. Mr. Mahood is getting the place again into shape and hopes to have it in order soon.

ALEXANDRIA, VA.—J. Louis Loose entered an action against the Southern Railway Co., claiming $20,000 as damage done to his greenhouses and crops by cinders and smoke from the defendant's engines. The case has been in progress in the circuit court, Judge Nicol presiding, but on November 10 the jury at the final hearing was unable to reach a verdict and was discharged by Judge Barley. A witness from Chicago gave evidence on behalf of the railway company.

OBITUARY.

Robert M. McCracken.

R. M. McCracken died at his home, 727 North Lawrence avenue, Wichita, Kans., December 9. Deceased was 76 years of age and came to Wichita 14 years ago, where he carried on a nursery business. He leaves a wife and five daughters.

Mrs. Rose Taylor Burton.

Mrs. Rose Taylor Burton, wife of Geo. Burton and daughter-in-law of John Burton, Philadelphia, died Christmas day of tuberculosis. Mrs. Burton, who leaves her husband and two daughters to mourn her loss, was greatly beloved by all who knew her.

Mrs. W. L. Morris.

Mrs. Morris, wife of W. L. Morris, Des Moines, Ia., died December 22 at the Mercy hospital from an operation after an illness of four days. Mr. Morris and a daughter, Ruth, survive her.

THE AMERICAN FLORIST

TWENTY-SECOND YEAR.

Subscription, $1.00 a year. To Europe, $2.00
Subscriptions accepted only from those in the trade.

Advertisements, on all except cover pages, 10 Cents a Line Agate: $1 00 per inch. Cash with Order.

No Special Position Guaranteed.

Discounts are allowed **only on consecutive insertions**, as follows—6 times, 5 per cent: 13 times, 10 per cent; 26 times, 20 per cent; 52 times, 30 per cent.

Space on front pages and back cover page sold only on yearly contract at $1.00 per inch, net.

The AMERICAN FLORIST Advertising Department is for florists, seedsmen and nurserymen and dealers in wares pertaining to those lines only.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Monday to secure insertion in the issue of the same week. Address

AMERICAN FLORIST CO., Chicago.

When sending us change of address always send the old address at the same time.
We do not assume any responsibility for the opinions of correspondents.

THIS ISSUE 48 PAGES WITH COVER.

CONTENTS.

Suggestions for florists.....1089
—After Christmas 1089
—Dracæna terminalis 1089
—Stevia 1089
—Geraniums 1090
—Stock plants 1090
—Poinsettias 1090
Chrysanthemums 1090
—Outdoor culture in California (illus.) 1090
—Cut blooms for various purposes.1090
—Another opinion 1091
To be done now.....1091
With the growers.....1092
—C. K. Hoffmeyer, Carnegie, Pa. (illus.) 1092
—Carnation exhibition in London..1092
Coccolobas (illus.) 1093
Twenty years ago 1093
The retail trade 1094
—New York florists' windows.....1094
—Retail holiday trade in Chicago..1094
—J. W. Wolfskill's new store....1095
Forcing narcissi 1095
Spireas and lilacs for Easter.....1095
Hollyhocks—dielytras—spireas ...1096
Time for seed sowing 1096
Swainsonas losing their leaves....1096
Kansas City 1096
Montreal 1096
Obituary—Robt. M. McCracken...1097
—Mrs. Rose Taylor Burton.....1097
—Mrs. W. L. Morris.....1097
Florists' booklets 1098
Rust and mildew on verbenas....1098
Diseased geraniums 1098
Meetings next week.....1099
The Chicago show 1099
Catalogues received 1099
Madison, N. J. 1100
Des Moines, Ia. 1100
Indianapolis 1101
Toronto 1102
Chicago 1105
Boston 1106
New York 1108
Baltimore 1108
Milwaukee 1108
The seed trade 1112
—Stowell's Evergreen corn (illus.).1112
—Samoan copra crop curtailed....1112
—Indoor fruits and vegetables....1112
Ants in a greenhouse.....1112
The nursery trade.....1114
—Thomas Meehan Horticultural Society 1114
—Large orders for forest trees....1114
—Nurserymen landscape despoilers 1114
Los Angeles, Cal. 1116
Detroit 1121
Louisville 1131
Columbus, O. 1131
Special illustrations:
—Chrysanthemums outdoors in California 1090
—Milwaukee advertising 1097

READERS are requested to favor us with reports of the holiday trade in their various sections, and to send such other general trade news as may occur to them.

ON account of the holiday next week, advertisers and correspondents will confer a favor by sending in copy as early as possible.

WM. F. KASTING, Buffalo, N. Y., is sending his customers holiday souvenirs in the form of thermometers and attractive blotters.

IN the fiscal year ending June 30, 1906, the United States exported canned fruits to the value of $2,348,064 and canned vegetables valued at $658,739.

W. G. MATTHEWS, Dayton, O., is enclosing with his remittances a neatly printed card as follows: "The four sweetest words in the English language are 'Enclosed please find check.'"

THE culture of lily of the valley pips takes a very little out of the soil or sand in which they are planted. Successful growers tell us that the older and finer the sand is in which they are planted the better, as it packs closer to the roots and stems, preventing any possibility of their drying out.

RAFFIA is preferable to cotton twine for binding on rose grafts. It is easier to handle and if slightly damped before use fits very closely to the bark and effectually keeps out the air. Another strong point is that after the stock and scion are united and the resulting plants are in position the raffia decays in the soil, while unless the cotton is cut from each individual plant it remains and sometimes strangles it by cutting into the bark.

THERE are many seeds that are best sown at regular distances apart by hand, and although at first this would seem to be a tedious job, really the time needed is not very great and is well repaid. For instance cyclamen should remain in the seed boxes until they are quite strong plants with the second leaves appearing, and if these are thickly sown or sown indiscrimately many will be too crowded to so remain. Of course the ultra-busy man who never has time for anything will not find this method to his taste, but it is the best notwithstanding. The seed boxes should be filled and given a thorough soaking of water, allowed to dry off a little and a small blunt pointed stick used to make the holes for the seeds. A thin surfacing of dry soil finishes the operation.

Important To Subscribers.

The date on the yellow address label on your copy of THE AMERICAN FLORIST will show when your subscription expires. Please renew subscription promptly on expiration to make certain of receiving your copy of each issue.

For Your Employes.

By sending THE AMERICAN FLORIST to your employes every week of next year they will be given a weekly reminder of you and it will make a most appropriate and useful gift if sent to their home addresses. In many ways it will be a good investment. Send us their names and addresses now, enclosing one dollar for each subscription and we will start with our grand Christmas number and continue sending the paper every week of 1907.

Florists' Booklets.

The People's Floral Co., Kansas City, Mo., have issued a "Book of ready reference for flower lovers." It is a beautifully printed elegant little book, containing finely reproduced photographs of the firm's greenhouses, offices and down town stores as well as many chaste floral designs of a very varied character. The letterpress is interesting, descriptive of flowers, and useful hints as to the care of house palms, ferns and other plants are given.

The Iowa Floral Co., Des Moines, Ia., publish a pretty booklet called "Flowers," containing charming illustrations of wedding and other decorations and a large number of set designs of a varied character. One of the firm's carnation houses is also illustrated, as well as the men comprising the company.

The Pittsburg Cut Flower Co. send out a little book entitled "Christmas decorations," containing a list of all classes of goods likely to be needed by decorators at the festive season.

Rust and Mildew on Verbenas.

ED. AMERICAN FLORIST:—

Please give the best method of propagating and caring for verbenas to avoid rust and mildew.

E. H.

The best method of propagating verbenas is from seeds, sown in March. All colors now come quite true from seed and it is much less expensive to raise seedlings than cuttings. There is now little need of laboriously working up a stock of verbenas from cuttings which invariably is more or less affected with rust and very poor as compared with seedlings, which are always vigorous and never show the least trace of rust. Moderation in watering and sprinkling, a temperature of not higher than 45°, cleanliness and plenty of fresh air will, to a great extent, keep away mildew and rust from verbenas propagated from cuttings. E.

Diseased Geraniums.

ED. AMERICAN FLORIST:—

Herewith find some diseased geranium leaves. Please give cause and remedy.

J. A. B.

Michigan.

The cause of the spotting can not be determined from the specimens at hand. Although there are no insects present, it is possible that the spots may have developed from punctures of some sucking insect, or it may be that the spots were produced by some injurious material coming in contact with the leaves. For instance, if the plants were grown in an atmosphere where there was a slight trace of coal gas and drops of water were present upon the leaves, a spotting would result where the drops were present, even though the amount of gas might not be sufficient to otherwise injure the leaves.

Without a full statement as to the conditions under which the plants are growing, it is impracticable to give any further information. All applicants for information regarding diseased material should take pains to state fully the conditions under which the disease appears; otherwise intelligent directions can seldom be given.

G.

Meetings Next Week.

Dayton, O.—Dayton Florists' Club, 112 South Main street, December 31.

Des Moines, Ia.—Des Moines Florists' Club, Iowa Seed Co.'s store, January 1, at 8 p. m.

Detroit, Mich.—Detroit Florists' Club, 40 Miami avenue, January 2, at 8 p. m.

Hamilton, Ont.—Hamilton Gardeners' and Florists' Club, office of member, January 1, at 8 p. m.

Indianapolis, Ind.—State Florists' Association of Indiana, Commercial Club rooms, January 1, at 7:30 p. m.

Lake Forest, Ill.—The Horticultural Society of Lake Forest, Winter Club, January 1, at 8 p. m.

Lake Geneva, Wis.—Lake Geneva Gardeners' and Foremen's Association, News building, January 5, at 8 p. m.

Louisville, Ky.—The Kentucky Society of Florists, January 1, at 8 p. m.

Milwaukee, Wis.—Milwaukee Florists' Club, Quiet house, corner Broadway and Mason streets, January 3, at 8 p. m.

Minneapolis, Minn. — Minneapolis Florists' Club, Latham's Conservatory, 83 South Tenth street, January 4, at 8 p. m.

New Orleans, La.—German Gardeners' Club, 624 Common street, January 2, at 8 p. m.

Newport, R. I.—Newport Horticultural Society, January 2.

Pasadena, Cal.—Pasadena Gardeners' Association, G. A. R. hall, East Colorado street, January 4, at 8 p. m.

Philadelphia, Pa.—Florists' Club of Philadelphia, Horticultural hall, Broad street, above Spruce, January 1, at 8 p. m.

Pittsburg, Pa.—Pittsburg and Allegheny Florists' and Gardeners' Club, 422 Sixth avenue, January 1, at 8 p. m.

Salt Lake City, Utah.—Salt Lake Florists' Club, Huddart Floral Co., 114 East Second South street, January 1.

San Francisco, Cal.—Pacific Coast Horticultural Society, January 5.

Seattle, Wash.—Seattle Florists' Association, Chamber of Commerce, Second avenue and Columbia street, January 1.

Utica, N. Y.—Utica Florists' Club, Hotel Martin, January 3, at 8 p. m.

Washington, D. C.—Washington Florists' Club, Schmidt's hall, 516 Ninth street, N. W., January 1.

The Chicago Show.

At a meeting of the executive committee of the Horticultural Society of Chicago, held at the Auditorium Annex, December 7, W. N. Rudd presented his report of the recent flower show. The figures, as given herewith, may be of interest to other flower show managers:

RECEIPTS.

Fines and dues non-members.		$ 144.00
Admissions, regular..	$7,409.45	
Admissions, wholesale	1,554.25	8,963.70
Privileges		456.94
Programme	200.00	
Less plate and ptg.	34.25	165.75
		9,730.39
Net loss		314.78
		$10,045.17

EXPENSES.

Preliminary		$ 208.40
Printing		36.75
Recording and accounting		184.47
Posters		202.80
Press advertising		571.50
Miscellaneous advertising		260.00
Inside decorations		1,158.38
Outside decorations		65.50
Music		630.00
Admissions		164.36
Special features		130.34
Post cards	$131.00	
Less receipts	112.00	19.00
Installation and maintenance		844.02
Premiums paid	$3,504.00	
Less Tribune..	$100	
Hammond 25	125.00	3,379.00
Receipts out of town florists.		4.45
Information bureau		22.50
Judges		163.70
Rent		2,000.00
		$10,045.17

W. N. RUDD, Sec'y.

Later readjustment increased the deficit to $606.43.

Catalogues Received.

Eastern Nurseries, Jamaica Plain, Mass., hardy plants; Otto Putz, Erfurt, Germany, seeds; Vilmorn-Andrieux & Co., Paris, France, seeds and decorative plants; W. E. Caldwell Co., Louisville, Ky., tanks, towers and tubs; E. H. Hunt, Chicago, greens and novelties; W. W. Johnson & Son, Boston, Eng., seed novelties; M. Herb, Naples, Italy, seeds, etc.; John Bodger & Sons, Gardena, Cal., seeds; Foley Mfg. Co., Chicago, ventilating apparatus and greenhouse materials; Henry F. Michell Co., Philadelphia, Pa., flower seeds; John Lewis Childs, Floral Park, N. Y., gladioli; The Mitchell Greenhouses and Nurseries, Mitchell, S. D., nursery stock, cut flowers, etc.; Holm & Olson, St. Paul, Minn., cut flowers, plants, greens, etc.; J. M. Thorburn & Co., preliminary list of vegetable seeds; P. J. Looymans & Zonen, Oudenbosch, Holland, nursery stock and roses; Perry's Hardy Plant Farm, Enfield, Middlesex, Eng., nursery stock, roses, border and rock plants, etc.; The Barteldes Seed Co., Denver, Col., flower and vegetable seeds, implements and sundries; Geo. Jackman & Son, Woking, Surrey, Eng., plants; Thos. Immerschitt, Aschaffenburg, Bavaria, fruit trees, palm seeds, etc.; Paul G. Kruger, North Yakima, Wash., nursery stock and bulbs; Mochian Peony Gardens, Sinking Springs, Pa., peonies; Southern Fruit Co., Charleston, S. C., farm and garden seeds; Glen Saint Mary Nurseries, Glen Saint Mary, Fla., nursery stock; Hasslach & Roumanille, St. Remy de Provence, France, seeds; Roustan Servan & Co., St. Remy de Provence, France, seeds; Peter Lambert, Trier, Germany, roses and nursery stock; Nathan Smith & Son, Adrian, Mich.; chrysanthemum novelties for 1907; W. Atlee Burpee & Co., Philadelphia, Pa., wholesale list of seeds.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

Cash with Adv.

Plant Advs. NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1906 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—As working foreman or grower on roses: have years of experience with the best of Chicago growers; good propagator. Address Key 856, care American Florist.

Situation Wanted—By all-around florist; first-class references; married; 20 years' experience on private and commercial places. State particulars and wages in first letter. Address Key 853, care American Florist.

Situation Wanted—In rose and carnation houses, by reliable, steady man; experienced and recommended. Apply, stating wages, to E. REED, Detroit Cut Flower Supply House, 6 Adams St. West, Detroit, Mich.

Situation Wanted—By January 25 or February 1, as working foreman, German; 31 years old with 17 years' experience in growing cut flowers and general stock; thoroughly sober and reliable; south or middle states preferred. Address CH. H., P. O. box 41, Aldrich, Ala.

Situation Wanted—By a hustling, up-to date grower as foreman or assistant; roses and carnations a specialty; 16 years' experience, 31 years of age, single; best of references furnished; good wages expected. Would like a place west of Missouri. Address Key 851, care American Florist.

Help Wanted—On private place by a first-class grower of plants, fruits and vegetables under glass single man preferred. Address Key 859, care American Florist.

Help Wanted—Experienced man by retail florist. Must know how to make up funeral work and wait on store: age, 25 to 35. Address CHAS. H. FOX, 21st St. and Columbia Ave., Philadelpeia, Pa.

Wanted—Best opening in the country for practical, capable seedsman. If there is an employe in any seed house who wants to become a proprietor and has the necessary executive ability, I want to hear from him at once. J. A. EVERITT, Indianapolis, Ind.

Help Wanted—Man for general greenhouse work, one who can take charge of 15,000 square feet of glass if wanted. Middle age, German prefered; $30.00 per month, board and room. Address Key 860, care American Florist.

Help Wanted—Assistant gardener and vegetable greenhouse man; must have had some experience in these lines; permanent position for the right man; $25, board and laundry. E. C. SMITH, Steward, Eastern Michigan Asylum, Pontiac, Mich.

Help Wanted—Carnation grower; must be a No. 1 man, strictly sober and reliable; wages $30 per month with board and washing; state experience and references. Address Key 844, care American Florist.

Wanted to Rent—About 15,000 sq. ft. of glass near Philadelphia, Pa.; must be in good repair. Will take place in spring. Address EMIL WOHLERT, Bala, Pa.

Wanted—A top florists' delivery wagon for one horse. Address, with price HAZELWOOD GREENHOUSES, Grinnell, Iowa.

Wanted—Applications of reliable and capable men as salesmen, decorators, or designers, or assistants thereto. A. W. SMITH, 345 Sixth Ave., Pittsburg, Pa.

For Sale—Nine greenhouses, dwelling house and barn, 3½ acres of ground. For particulars address P. O. Box 109, Newtown, Bucks Co., Pa.

For Sale—A1 down-town retail store for sale; established 10 years; bargain. Enquire VAUGHAN & SPERRY, 60 Wabash Ave., Chicago.

For Sale—A No. 686 McCray refrigerator, good as new, for flowers. Going out of business. Cheap. Address SALVESON & CO., 426 E. Monroe St., Springfield, Ill.

For Sale—Ice box, used four months, 16 ft. long, 7 ft. wide, 8½ ft. high; accomodations for a commercial or wholesale florist. Will sell at a sacrifice. Address CHAS. MILLANG, 50 West 29th St., New York.

For Sale—4,000 feet of glass; thriving town of 4,000; 24 express trains daily. No competition; 50 miles from large greenhouses. New; bargain; easy terms. Investigate immediately. Address Key 858, care American Florist.

For Sale—Retail florist business in Washington, D. C. established seven years; good chance for hustler; owner wishes to retire from business. For full particulars address RETAIL, care American Florist, 1133 Broadway, New York.

FOR SALE.

Old established retail florist's store. Reason for selling, going west. For particulars, write to

F. K., 700 N. 5th St., Philadelphia, Pa

FOR SALE—Greenhouse Pipe

4-in. boiler tubes, second-hand, in fine condition, absolutely free from scale and with ends cut square. Sample and prices on application. KROESCHELL BROS. CO., 45 Erie St., Chicago.

FOR SALE.

COLORADO SPRINGS, COLO.

Wholesale and retail business, well located, 34 greenhouses, 13 acres of land, 4 boilers, 16-60; 2 dwellings. For terms address

WM. CLARK.

FOR SALE.

Des Moines, Iowa, wholesale and retail greenhouse establishment, 29,000 feet of glass, three acres of ground, well located, all in good order, with good wholesale and retail trade. Price, about $8,400; terms reasonable.

VAUGHAN'S SEED STORE
CHICAGO.

AMERICAN FLORIST ADS	Always do business Week days and every day Sundays and holidays All over the country At home and abroad

PETER REINBERG
WHOLESALE FLORIST,
51 Wabash Ave., CHICAGO.
ROOTED CUTTINGS | CUT FLOWERS

Madison, N. J.

The Morris Co., N. J., Gardeners' and Florists' Society's December meeting was a well attended one. It was the occasion of the annual election of officers and we wanted to hear C. H. Totty talk of the new chrysanthemums. The election resulted as follows: Richard Vince, president; Percy Herbert, vice-president; E. Reagan, secretary, Wm. Duckham, treasurer. The executive committee are as follows: A. Herrington, A. McKendry, Thos. Stokes, J. Heeremans, A. R. Kennedy, Ernest Wild, C. H. Totty, Alex. Brown, O. Koch, R. M. Schultz, Wm. Muhlmichel and H. B. Vyse. J. Heeremans, the retiring president, received a rising vote of thanks for his efficient services during his two terms, to which he responded feelingly. The newly elected officers accepted the responsibilities of office in neat speeches, each promising to do his best. An unusual amount of good fellowship was shown, and everybody seemed satisfied. Three new members were elected; Thos. Wilson, Wm. McKenzie, and Frank Esheson.

After preparations for the eleventh annual smoker were made Mr. Totty spoke extemporaneously of the new chrysanthemums and how they showed up at the exhibitions this fall. He spoke of Miss Clay Frick (white Duckham) as the best of the whites and Miriam Hankey the same in the pinks. The stem, foliage and flower, together with the shipping qualities, should make them popular for a long time. Mrs. Geo. Hunt, Mrs. Henry Barnes, Kathleen Stoop, Mrs. A. T. Miller, A. H. Lee and May Godfrey were able to work out their own salvation if given a show to do so. The new single varieties he believes have a future, being artistic, decorative and relieving. The new French varieties came in for consideration; Pres. Loubet, Sergeant Levy, and Mlle. L. H. Cochet were amongst those he mentioned. Nathan Smith's efforts as a hybridizer received high praise and many of his introductions were well spoken of. The speaker received a hearty vote of thanks for his able effort, after answering many questions. Wm. Duckham, A. Herrington, C. H. Totty and R. M. Schultz were chosen as a committee on smoker which takes place January 9.

John E. Haines sent his new carnations, Imperial and Pink Imperial, to be shown at the meeting. Pink Imperial showed up in fine shape and received a certificate of merit. Imperial suffered in transit and the committee would like to see it again. Our treasurer, Wm. Charlton, has been ill for a long time and the deepest sympathy is felt for him. He has been treasurer 11 years, since our beginning, and has been able, energetic and faithful. He has declined to be renominated and it will be hard to fill his place. E. R.

Des Moines, Ia.

THE MARKET.

Business the first of last week was anything but encouraging. The last two days the sun came out, however, which made trade a little more brisk, and things looked a little brighter. Carnations are still very scarce, and roses are not any too plentiful. Chrysanthemums are about gone. Bouquet green and mistletoe are on the market, but very scarce. Holly is very good and plentiful.

STATE HORTICULTURAL SOCIETY.

The meeting of the State Horticultural Society was held last week at the state house. The following officers were elected: W. A. Burnap, Clear Lake, president; W. M. Bomberger, Harlan, vice-president; Wesley Greene, Des Moines, Ia., secretary; Elmer M. Reeves, Waverly, treasurer; C. G. Blodgett, Mt. Pleasant; J. W. Murphy, Glenwood; W. O. Willard, Grinnell; W. B. Chapman, Washta; G. A. Ivins, Iowa Falls; C. F. Gardner, Osage; John Foster, Albia; Wm. Laughan, Cedar Rapids; W. J. Graham, C. H. True, Edgewood; L. A. Clemons, Storm Lake; Eugene Secor, Forest City, directors.

In the evening Secretary Wesley Greene tendered the members of the organization a most enjoyable banquet at the Savery house, over 300 members enjoying the bountiful hospitality. After an elaborate course dinner a programme of toasts was given, in which Mr. Greene came in for the lion's share of the compliments.

NOTES.

Gus Pappos, of the Alpha Floral Co., who underwent an operation at Mercy hospital last week, is doing nicely and expects to be out again in a couple of weeks.

Miss Teresa Lambert has accepted a position with the Alpha Floral Co. during the holiday rush.

Vaughan's Greenhouses had the decorations at the recent State Horticultural Society banquet.

The Iowa Floral Co. is showing some fine poinsettias in its window this week.

Chas. Gay is the father of a new girl, which arrived a short time ago.

L. F. Springer, Indianola, was a recent visitor. M.

Burlingame, Cal.

TRADE NOTES.

Flowers were never so scarce as they are at present and they will be scarce all through the holidays. The florists are all begging for stock, and it is really too bad that they should be under such enormous rents in San Francisco with the scarcity of flowers. Next season will find retailers and growers forgetting that there ever was a disaster. There are no outside flowers going into market owing to a recent rain and a long spell of frost, and it is very cold at the present writing.

P. C. Meyer, who is at present sojourning in the south, had the pleasure of seeing two of his own seedling carnations take first prize at the Los Angeles flower show a few weeks ago. One is a pure white, much larger than Enchantress, about the same style of flower and plant. The other is the finest dark red, I think, in existence, a flower, as large as Enchantress with stem from two to four feet long. They will be sent out next season or the following one at latest.

P. C. Meyer & Co. are in first class shape. They are cutting some fine carnations in large quantities, but not large enough to meet the demand. The rose stock, too, is excellent, fine American Beauty, Liberty, Bride and Bridesmaid being on cut now.

H. B.

Indianapolis.

Business in Tomlinson hall market is reported very slow, which must be very slow indeed, as two-thirds of the stands are unoccupied at present. Excepting the market, business has been brisk, owing to a good deal of funeral work. Christmas greens and berries are in good demand. Of smilax there is more than enough at present, but the Haughville violet crop is short this season.

Thujas, retinosporas and boxwoods are much used in lawn vases and for porch decorations this winter. There is no need of using established pot-grown stock, as one winter in the city atmosphere will kill them anyhow.

John Bertermann spent a day in Richmond last week. Everything looks fine, he says, but when it comes to a real A 1, up-to-date heating apparatus he has them all beaten.

Martin Nelson will have a batch of tulips ready for the holidays, and John Heidenreich will be in line with azaleas and a bench of chrysanthemums.

Several of the cult, who intended to visit New Castle last Sunday, had to give it up on account of a rush of funeral work.

Spirea japonica, in bloom for Christmas, is something new introduced by Bertermann Bros. Co.

H. W. Rieman will plant a house of La France and Kaiserin roses for summer blooming.

John Heidenreich has under construction a house 30x136 feet for summer roses.

John Hartje is harvesting a fine crop of "after chrysanthemum" lettuce.

Visitors: W. W. Coles and Thomas Knipe of Kokomo, Mr. Jones of the Advance Co., Richmond, and C. Baur, Knoxville, Tenn. J.

Wholesale Flower Markets

ST. LOUIS, Dec. 24.

Roses, Beauty, long stem	10 00@12 00
" " medium stem	5 00@ 9 00
" " short stem	1 00@ 4 00
" Bride, Bridesmaid	5 00@15 00
" Pres. Carnot	6 00@15 00
" Kaiserin	5 00@15 00
" Chatenay, Richmond	6 00@18 00
Carnations, common	3 00@ 4 00
" best	5 00@ 6 00
" fancy	8 00
Smilax	12 50@15 00
Asparagus Sprengeri	2 00@ 3 00
" Plumosus, strings	25 00@40 00
" cut sprays	2 00@ 3 00
Fancy ferns, per 1000, $2 00	
Lily of the valley	4 00@ 5 00
Violets	2 00@ 2 50
Stevia	1 00@ 1 50
Callas	12 50@15 00
Narcissus, Paper White	3 00@ 4 00
Romans	2 00@ 3 00

Christmas prices.

PITTSBURG, Dec. 24.

Roses, Beauty, specials	125 00
" " extras	75 00@100 00
" " No. 1	50 00
" " ordinary	15 00@25 00
Bride, Bridesmaid	10 00@25 00
Chatenay	10 00@25 00
Richmond	15 00@40 00
" Kaiserin	10 00@30 00
" Cusin	6 00@12 00
" Perle	8 00@10 00
" Bon Silene	6 00@ 8 00
Carnations	4 00@10 00
Lily of the valley	2 00@ 5 00
Violets	1 25@ 2 00
Smilax	12 50@15 00
Asparagus, strings	30 00@50 00
" Sprengeri	2 00@ 4 00
Lilies	20 00@25 00
Adiantum	1 00@ 1 50
Paper white	3 00@ 4 00
Romans	1 00@ 4 00
Sweet Peas	1 50
Bouvardia	4 00@ 8 00

MILWAUKEE, Dec. 24.

Roses, Beauty, per doz	1 50 12 00
" Liberty, Chatenay	5 00@20 00
" Bride, Bridesmaid	5 00@20 00
" Meteor, Golden Gate	5 00@20 00
" Perle	2 00@ 4 00
Carnations	4 00@10 00
Smilax	12 00
Asparagus, sprays	3 50
" Sprengeri	3 50
Lily of the valley	4 00
Adiantum	1 00@ 1 50
Common ferns, $2.00 per 1000	
Longiflorum, $2 00 per doz	
Violets	2 00@ 2 50
Sweet Peas	1 00@ 2 00
Stevia	1 00@ 2 00

CINCINNATI, Dec. 24

Roses, Beauty, per doz	$2 00@$12 00
" Bride, Bridesmaid	6 00@15 00
" Liberty	8 00@25 00
" Golden Gate	8 00@18 00
Carnations	4 00@ 8 00
Lily of the valley	3 00@ 5 00
Asparagus	50 00
Smilax	15 00
Adiantum	1 00
Asparagus plumosus and Sprengeri in bunches, per bunch 25c 35c	
Ferns, per 1000, $1 75	
Callas	15 00
Paper white	3 00@ 4 00
Violets	1 50@ 2 00
Poinsettias	15 00@25 00

CLEVELAND, Dec. 24.

Roses, Beauty, per doz	$3 00..12 00
" Bride, Bridesmaid, Meteor	8 00@15 00
" Kaiserin	4 00@ 8 00
Carnations	4 00@ 8 00
Smilax	15 00
Aspgragus, strings	25 00@50 00
" Sprengeri	1 00@ 2 00
Common ferns, per 1000, $1 50	

BRITISH GARDENERS' ASSOCIATION.—The Earl of Plymouth has kindly consented to become president of the British Gardeners' Association. From the first his lordship has expressed sympathy with the objects of the association. He is a large employer of professional gardeners, and owns the fine old castle of St. Fagan's, just outside Cardiff, as well as other seats in Worcestershire and Shropshire.

Azaleas For Forcing

We can still furnish a fine lot of well budded plants at import prices for immediate delivery. We offer a full assortment of standard varieties.

	Per doz.	Per 100		Per doz.	Per 100
8 to 10-inch crowns	$3 25	$25.00	12 to 14-inch crowns	$ 6.00	$45.00
10 to 12-inch crowns	4 50	35.00	14 to 16-inch crowns	7.00	55.00
			16 to 18-inch crowns	12.00	90.00

A fine lot of plants of exceptionally good value in the following varieties, 18 inches in diameter, at $18.00 per doz.:

Bernard Andre Alba — **De Schryveriana** — **Emperor of Brazil**
Deutsche Perle — **Simon Mardner** — **Niobe**
Empress of India — **Mme. Van der Cruyssen** — **Apollo**

A nice lot of specimen plants, 18 to 20 inches in diameter, at $2.00 each:

Mme. Camille Van Langenhove — **Emperor of India** — **Simon Mardner**
Niobe — **Bernard Andre Alba** — **Mme. Van der Cruyssen**

A grand lot of specimen plants of **Mme. Van der Cruyssen,** 20 to 22 inches in diameter at $2 50 each.

HENRY A. DREER

714 Chestnut St., PHILADELPHIA, PA.

Chrysanthemums, Roses, Beauties, Carnations, Lilies, Lilies of the Valley, Violets, Asparagus and Smilax.

All orders receive prompt and personal attention. Trial orders solicited.

HENRY M. ROBINSON & CO.

WHOLESALE FLORIST. . .

TELEPHONES: 2617 and 2618 Main.

11-15 Province St., 9 Chapman Place, BOSTON, MASS.

Toronto.

TRADE ACTIVE.

Trade remains very active, mainly due to the many social functions, as funeral work lately has been very irregular. Zero weather with lots of snow has not been favorable to the rose crop and there have been only enough to fill orders. Orchids and lily of the valley have had a large demand and though violets have been very scarce, the high prices at which they are held have lessened their popularity. Chrysanthemums continue plentiful and there will be a large quantity for the Christmas trade. Flowering plants are much in evidence, also well berried holly trees in tubs; the latter are very fine and help the stores in their holiday garb. Carnations are plentiful enough to meet demand, with promises for a very heavy cut. Christmas prices will take effect December 18 and in a few instances are higher than in recent years. The prices per 100 will be: Roses, American Beauty; fancy, $100, select, $75, No. 1, $50, No. 2, $35; Richmond, McArthur, and Killarney, $25; Meteor, $20; Mme. Chatenay and Bridesmaid, $18; Bride, Deegan, Morgan and Queen, $15; carnations, $6 to $12; sweet peas, $2 to $4; violets, Princess, $3; double, $2; lily of the valley, $3 to $5; lilies, $12 to $15; mignonette, $4 to $6; poinsettias, $15 to $35; orchids, 15c to 50c each.

NOTES.

D. J. Sinclair has had a heavy run on supplies, the demand for baskets almost clearing him out; shipments to distant points have been heavy. There is a good demand for cut stock, of which he has quantities and he has experienced a large run on sweet peas, American Beauty roses and carnations. Chrysanthemums are still plentiful with him.

Our patients are fast improving; Mrs. Chas. Grobba and Mrs. Thos. Plumb are recovering from typhoid, and Wm. Jay, Jr., is again coming round.

W. J. Lawrence, Eglinton, has the sympathy and condolence of the trade in the loss of his only son, an infant of about two years of age.

White Perfection carnations as seen at J. H. Dunlop's is all that the name implies, the blooms for size and symmetry being immense.

Jno. Cotteril, Bracondale, is cutting quantities of good asparagus and his violets are better than for several seasons.

Good American Beauty roses in quantity are coming from Geo. Allen, of Toronto Junction.

The Georgetown Floral Co. has a heavy cut of roses, its McArthur being very fine.

Visitors: P. A. Ivey, Jr., Brantford, Ont. Ralph M. Ward, New York.

H. G. D.

Davenport, Ia.

The Tri-City Florists' Club met at the greenhouses of Harry M. Bills on North Brown street December 15 and an interesting session was held. As usual, nearly every member was present. The advisability of organizing a horticultural society was discussed, and it was the opinion of the members that such a society would be a great benefit to many. The subjects up for discussion for the meeting were "Roses and their Propagation," and "The Most Profitable Bulbs and Their Culture." It was decided to adopt a question box for the next year. The programme committee reported and gave the outline of the programme for every month of the ensuing year. After the usual routine business, a fine luncheon was served by the host and a hour of sociability enjoyed.

Supt. Boehm, of Davenport parks, may be justly proud of the fine Begonia Gloire de Lorraine he has on exhibition, some measuring three feet across. John Temple, ex-judge of the Chicago show, says they are the finest he ever saw. The new greenhouse, costing $11,000, at Fejervary park, is finished and planted. Extensive improvements are being made in this park.

Theo. L. Ewoldt, president-elect, Iowa Florists' Society, has been confined to his bed for three weeks with Brights disease. He has been unable to do a thing since November 15.

Three clear days out of 20 makes things look rather shaky for Christmas.

Merry Christmas to all.

T. E.

RICE BROTHERS

WHOLESALE 113 N. 6th St.,

SHIPPERS of home grown Cut Flowers, comprising the newest varieties of blooms. Full line of supplies and decorative greens. Trial order solicited. Weekly price list issued.

MINNEAPOLIS, MINN.

ST. PAUL, MINN.—Humphrey's floral store was recently destroyed by fire.

Cut Flowers for New Year's Day.

We can and will take care of your wants.
Chicago market quotations.

E. F. WINTERSON CO., 45-47-49 Wabash Ave., Chicago.

Please mention the American Florist when writing.

PITTSBURG CUT FLOWER CO., Ltd.,

Rhinebeck Violets, Fancy Roses, Fancy Carnations.

222 Oliver Avenue, PITTSBURG, PA.

BEAVEN'S
Fadeless Sheet Moss
$3.50 per bag.

Southern Wild Smilax
IN ANY QUANTITY.
E. A. BEAVEN, Evergreen, Ala.

Extra Fine New Crop **FANCY FERNS** **$1.50 per 1000**
Discount on large orders.

Green and Bronze Galax, $1.25 per 1000. **Boxwood,** 20c per lb.: 50 lbs., $8.50.
Send for our weekly price list on Cut Flowers. Let us have your standing order for Ferns; will make price right all through the season.

MICHIGAN CUT FLOWER EXCHANGE
WM. DILGER, Mgr. 38 and 40 Broadway formerly Miami Ave., DETROIT, MICH.
Please mention the American Florist when writing

HOLLY! HOLLY! HOLLY!

Holly Wreaths, Lycopodium and **Lycopodium Wreathing.** Our man in the woods with 12 years' experience in packing, can ship you direct and thus save extra expense of freight. Choice, well-berried **Holly Wreaths,** $10.00 to $15.00 per 100. **Delaware Holly,** $3.00 per case. Cash with order please.

DUMONT & CO., WHOLESALE FLORIST, 1305 Filbert Street, **Philadelphia.**
Please mention the American Florist when writing.

ROOTED CUTTINGS.
February and March delivery.

Carnations and Geraniums

Send for list of varieties and prices.

ALBERT M. HERR, Lancaster, Pa.

CARNATION CUTTINGS.

	Per 100	1000		Per 100	1000
Mrs. Thomas Lawson	$1 50	$12	Robt. Craig	$6.00	$50
Lady Bountiful	2.50	20	Ellen Goddard	6.00	50
White Lawson	2.50	20	President	2.50	20
White Perfection	6.00	50	Estelle	2 00	15
Cardinal	3.00	25	Morning Glory	2.00	15
Victory	6.00	50	Lieut. Peary	2.50	20
			Enchantress	2.00	18
			Glazonier	1.75	14

Write for prices if you want quantity.
ELI CROSS. Grand Rapids, Mich.

GREENS.

Holly, extra fine. $5.00 per case. **Boxwood,** $15.00 per 100 lbs. **Laurel Festooning,** extra quality, 5c and 6c per yd. **Princess Pine Festooning,** $6.00 per 100 yds. **Wild Smilax,** $3.50 and $7.00 per case. **Laurel Wreaths,** extra quality, $2.50 per doz. upwards. **Branch Laurel,** 50c per bunch. **Bouquet Green,** $7.00 per 100 lbs. **Galax,** new crop Bronze and Green, $1.00 per 1000; $7 50 per 10,000. **Ferns,** Fancy and Dagger, $1.25 per 1000. **Leucothoe Sprays,** $1.00 per 100. **Green** and **Sphagnum Moss,** $1.00 per bbl.

Headquarters for all Florists' Supplies, such as **Red Immortelles,** wire designs, cut wire, letters of all kinds, immortelles, cycas leaves, milkweeds, sheaves of wheat, ribbons, boxes, folding, blue corrugated, etc. **The house that can supply the goods on a moment's notice.**

HENRY M. ROBINSON & CO.,
11-15 Province St., 9 Chapman Place,
L. D. Tel. Main 2617-2618. **BOSTON, MASS.**
Please mention the American Florist when writing

DAHLIAS.

Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring.

DAVID HERBERT & SON,
Successors to L. K. Peacock, Inc., **ATCO, N. J.**

SOUTHERN WILD SMILAX.

Caldwell The Woodsman Co.
EVERGREEN, ALABAMA.

NEW YEAR'S Price List.

Subject to change without notice.

American Beauty,	Per doz
Extra long stem	$12.00
36-inch stems	10.00
30-inch stems	9 00
24-inch stems	8.00
20-inch stems	6.00
18-inch stems	5.00
15-inch stems	4.00
12-inch stems	3.00
8-inch stems	$1.50 to 2 00

	Per 100	
BRIDE, fancy	$10.00 to	$15.00
" good	6.00 to	8.00
BRIDESMAID, fancy	10.00 to	15.00
" good	6.00 to	8.00
LIBERTY, fancy		20.00
" good	8.00 to	15.00
RICHMOND, fancy		20.00
" good	8.00 to	15.00
CHATENAY, fancy	10.00 to	15.00
" good	6.00 to	8.00
UNCLE JOHN, fancy	10.00 to	15.00
" good	6.00 to	8.00
PERLE	6.00 to	10.00
ROSES, our selection		6.00
CARNATIONS, good		5.00
" fancy		6.00
" extra fancy Enchantress and Red		8.00

All Other Stock at Lowest Market Rates.

WIETOR BROS.,
51 Wabash Ave., CHICAGO.

It is good business policy to mention the *American Florist* .....when writing to an advertiser.

CUT FLOWERS and SUPPLIES.

E. H. HUNT

RIGHT STOCK AT RIGHT PRICES.

76 Wabash Avenue, CHICAGO.

Happy New Year.

E. C. AMLING

THE LARGEST, BEST EQUIPPED, MOST CENTRALLY LOCATED WHOLESALE CUT FLOWER HOUSE IN CHICAGO.

32, 34, 36 RANDOLPH ST., CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Please mention the American Florist when writing.

Be your own Commission Man

THE

FLOWER GROWERS' MARKET

furnishes the facilities.

See PERCY JONES, Mgr.

60 Wabash Ave., CHICAGO.

Please mention the American Florist when writing

Vaughan & Sperry,

Wholesale Florists,

58 and 60 Wabash Ave., CHICAGO

WRITE FOR SPECIAL PRICES.

Please mention the American Florist when writing

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO,

Wholesale Dealers and Growers of Cut Flowers

GREENHOUSES: HINSDALE, ILL.

Please mention the American Florist when writing.

Poehlmann Bros. Co.

Wholesale Growers of and Dealers in Cut Flowers.

All telegraph and telephone orders given prompt attention.

Greenhouses: MORTON GROVE, ILL.

35-37 Randolph St., CHICAGO.

Please mention the American Florist when writing

WIETOR BROS.,

Wholesale Growers of Cut Flowers

All telegraph and telephone orders given prompt attention.

51 Wabash Ave., CHICAGO.

Scheiden & Schoos

WHOLESALE FLORISTS,

60 Wabash Ave., CHICAGO.

Shipping Orders Given Prompt Attention.

Wholesale Flower Markets

CHICAGO, DEC. 26

Roses, Beauty, 30 to 36-in. stems	8 00@10 00	
" " 20 to 24-in. "	5 00@ 6 00	
" " 15 to 18-in. "	3 00@ 4 00	
" " 12-in. "	1 50@ 2 00	
" Liberty, Chatenay	4 00@12 00	
" Bride, Bridesmaid	4 00@10 00	
" Golden Gate	4 00@ 8 00	
" Killarney, Richmond	4 00@12 00	
Carnations	3 00@ 4 00	
" fancy	4 00@ 8 00	
Lily of the valley	2 00@ 5 00	
Cattleyas....per doz..	$6 00@$7 50	
Harrisii lilies, per doz..	$2 50@$3 00	
Asparagus plumosus, per string	35c@50c	
" " per bu..	35c@$1 00	
" Sprengeri	2 00@ 4 00	
Green Galax		1 00
Galax leaves.....per 1000,	$1 25	
Adiantum	75@ 1 00	
Fancy ferns.....per 1000.	$2 00	
Smilax.....per string,	10c@12½c	
Chrysanthemums, per doz..	$2 00@$4 00	
Violets	1 25@ 1 75	
Leucothoe sprays		75

WEILAND - AND - RISCH

Wholesale Growers and Shippers of CUT FLOWERS

59 Wabash Ave., CHICAGO.

'Phone Central 879.

Write for our wholesale price list.

WHOLESALE FLORISTS

Chas. W. McKellar

51 Wabash Ave., CHICAGO.

ORCHIDS

A Specialty,

Fancy Stock in VIOLETS, VALLEY, ROSES, BEAUTIES, CARNATIONS and a full line of all Cut-Flowers. Greens, Wire-Work and FLORISTS' SUPPLIES.

Send for Complete Catalogue.

Please mention the American Florist when writing.

The Geo. Wittbold Co.

1657-1659 Buckingham Place, CHICAGO.

The only retail florist in Chicago who grows his own cut flowers.

FUNERAL WORK ORDERS, OUR SPECIALTY.

Please mention the American Florist when writing.

SINNER BROS.

WHOLESALE CUT FLOWERS

60 Wabash Ave., Chicago.

Careful attention to all

SHIPPING ORDERS.

Please mention the American Florist when writing.

Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO.

Telephone, Central 3284.

Please mention the American Florist when writing.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty.....

WHOLESALE GROWER of CUT FLOWERS

KENNICOTT BROS. COMPANY

40-42-44 Randolph St., CHICAGO.

Our reputation has always been that we fill orders when others fail. All stock in season at Lowest Market Rates.

THE BENTHEY-COATSWORTH CO.

35 RANDOLPH ST. WHOLESALE FLORISTS CHICAGO.

Chicago.

BEST CHRISTMAS EVER EXPERIENCED.

Christmas prices went into effect December 20, but even before that market values were very high, due to the great scarcity of stock. At first it was feared that stock would remain as scarce as last year, but sunshine on Sunday opened up buds for an extra cut or two. But even at that prices far exceeded those expected, and held remarkably steady right up to Christmas morning. In fact it may be summed up as the best Christmas trade on the market. Extra select long-stemmed American Beauty roses went as high as $18 per dozen, and Richmond, in a few instances, was of a quality that readily brought $50 per 100. Killarney brought as much in some special lots, and it was no uncommon thing to see it sold at $35. Chatenay was also an excellent seller as was, indeed, anything in the line of colored roses. Bridesmaid roses were somewhat behind other varieties in quality and color, and Uncle John, though of a lighter shade, was in heavy demand to fill the gap. Red carnations readily sold at $12 per 100, $15 being offered at times. Lawson and Enchantress also were in heavy demand, the best grades readily bringing from $8 to $10 and sometimes going to $12. White carnations, on Monday, became a drug on the market, some even going as low at $2, though $4 to $6 were the figures more generally obtained and some fancy lots going at much higher prices. Violets were in good supply with a very satisfactory demand. Poinsettias, the Christmas flower par excellence, were in over-supply on Monday, prices falling from $4 and $5 per dozen to $2.50 and some grades even going as low as $1. Easter lilies were an excellent property all the week, readily bringing regular holiday prices. Paper White narcissus, Roman hyacinths, mignonette and stevia were in abundant supply with no very great demand. Sweet peas were also offered and found a satisfactory outlet. On Christmas morning, the regular trade having been supplied, prices were naturally shaded a bit on all classes of stock. The plant trade was a notable feature of this year's Christmas business, the high prices of roses and carnations causing customers to turn largely to azalea, cyclamen and other plants. A greater number of these were sold than ever before.

NOTES.

Geo. Cadogan Gardner, of Hinsdale, aged 58 years, passed away December 20 and was buried two days later. Mr. Gardner was a director of the Horticultural Society and prominent in the early flower shows both as an exhibitor and official. He was a good man, well liked and took a real interest in horticulture. Ill health for the past five years, however, has prevented his taking any prominent part in the local society's affairs.

Bassett & Washburn had an unprecedented Christmas trade and owing to the great scarcity of stock were obliged to refuse a great number of orders. They filled all orders in full that were promised but on late orders some items were not entirely filled. They adhered to their advertised prices and sold out everything they could possibly cut.

R. Mayer, of Schmidt & Mayer, of Riverside, has purchased the interest of A. J. Schmidt and will continue the business as heretofore under the name of the Riverside Floral Co. Mr. Mayer has a plant of about 25,000 square feet and grows a general stock. Mr. Schmidt has just started an independent business in the same town and already has three new modern houses.

The Poehlmann Bros. Co. this past week had some of the finest Richmond roses yet seen on this market, closely rivaling American Beauty in size of bloom and length of stem and leaving nothing to be desired in color. This firm showed the first daffodils of the season on Saturday.

The A. L. Randall Co. certainly had its share of Christmas business judging from the appearance of the store all the week before. Both the cut flowers and supply departments were drawn on very heavily both by regular customers and those who had special orders to fill.

Wietor Bros. report having had fine cuts of American Beauty and red roses for Christmas. Richmond, Liberty, Chatenay and Uncle John were their best sellers in the order named. N. J. Wietor says he has every reason to feel satisfied with the outcome.

Chas. Morton, 3626 Cottage Grove avenue, reports having disposed of 72 cases of holly and 16 cases of Christmas green. This branch of his work necessitated temporarily opening a branch store on Cottage Grove avenue near Forty-third street.

Peter Reinberg had a very satisfactory Christmas trade, and more stock could have been sold at the rates prevailing had it been available. Leonard Kill says that prices ranged higher than ever in the history of the market.

John Weiland, of Evanston, formally opened his new store at 1614 Sherman avenue last Monday and Tuesday. There was a splendid display of Christmas plants and cut flowers, and souvenirs were given all visitors.

The Benthey-Coatsworth Co. reported a big demand for all sorts and grades of roses. Killarney lived up to its reputation as a big seller. As grown by this firm, it had a demand fully equal to the best reds.

The Fleischman Floral Co. is busy with plans for doubling its floor space. By May 1 the firm expects to be occupying the store to the west of the present location as well as the one they are now in.

Weiland & Risch report one-third more business this year than last. This firm was exceedingly fortunate in having large crops on and were able to fill all out-of-town orders.

Zech & Mann report a large increase in business this year over that of Christmas a year ago. This firm had a big call for poinsettias which were extra fine.

Chas. McKellar's orchids were in good demand for Christmas. These included Cattleya Trianæ, C. Percivaliana, lælias, cypripediums and a few dendrobiums.

The J. B. Deamud Co. reports a large increase in Christmas business over all former years. This firm has on hand a very fine lot of sweet peas.

The best Christmas ever experienced in the history of the house, is the report from E. H. Hunt's.

A. Lange and C. A. Samuelson are running some large advertisements in the daily papers.

The E. F. Winterson Co. reports the largest Christmas business on record with that firm.

"Rushed to death," was the report regarding the Christmas business at J. A. Budlong's.

E. C. Amling received 5,000 sweet peas Monday for the Christmas trade.

Visitors: F. J. Foster, St. Louis, Mo.; Joseph Finnigan of the Youngstown Floral Co., Youngstown, O.; Harvey Lozier, Des Moines, Ia.; C. H. Woolsey and J. J. Soper, Rockford.

"The Busiest House in Chicago."

We filled your orders for

CHRISTMAS

And can do the same for

NEW YEAR'S

SEND YOUR ORDERS.

J. B. DEAMUD CO.

51-53 Wabash Ave.,
CHICAGO.

J. B. DEAMUD, Pres. W. P. KYLE, Vice-Pres. ALEX. NEWETT, Mgr.

Beauties, Gardenias, White Violets, Lilac, Poinsettias.
S. S. PENNOCK-MEEHAN CO., 1610-1618 LUDLOW ST., Philadelphia, Pa.

Boston.

EXCEPTIONALLY GOOD HOLIDAY TRADE.

At this writing we are in the center of the Christmas rush and this is already considered an exceptionally good holiday and with two more days, the busiest, yet remaining, results are sure to more strongly emphasize this fact. It is to be regretted that the market is not in a more favorable condition to give better satisfaction to the flower-buying public. The rose supply is seriously short at present, but not necessarily poor, as some of the best varieties are remarkably good. The continued dark weather has greatly hampered the growers who have hoped for a few sunny days, but without these they have utilized every means known to meet the market with satisfactory stock. American Beauty roses appear scarce but with a grade of Richmond superior in size to any yet seen to support them the scarcity will not be as noticeable as otherwise might be the case. There is only a limited supply of Killarney, Chatenay, Wellesley and Bridesmaid to be seen, with plenty of white roses. Violets and lily of the valley are abundant and promise to receive much of the favoritism formerly given to roses. They are both excellent and fairly reasonable. Carnations are as usual very high in price, although not exceedingly scarce. A large number of varieties are being cut, Fair Maid and Lawson being most prominent. Varieties of red, which are the favorite for the occasion, are quite scarce and to be had at prices forbidding the idea of any profit for the retailer.

NOTES.

It is most significant this Christmas to note in the different windows of shopkeepers the lack of novelties to the display of which the most prominent positions are usually given. However, there appears throughout the city but little to attract the eye of an experienced flower buyer, the dealers seeming to tend only to the usual varieties of stock, chiefly because they are most profitible.

The first signs of spring, although not consistent in the least with our present weather, are seen in the large number of jonquils which shine forth from their stalls in the markets.They are considered at present very choice, as they really are until the market becomes swamped with them.

Thos. F. Galvin furnished the decorations for the Christmas dinner of the Beacon Society at the Algonquin club December 22. Poinsettias and evergreens were tastily arranged, a most appropriate combination.

Sydney Hoffman decorated the large ballroom of the Algonquin club for the assembly December 21. Great quantities of evergreens were used to advantage in transforming the room to a veritable woodland.

LONDON PARIS BERLIN

Established 1850. Thos. F. Galvin Incorporated.

CHOICE ROSES, ORCHIDS AND VIOLETS

124 Tremont Street. Boylston and Fairfield Streets.

BOSTON, MASS.

W. H. Elliott is cutting from his Madbury conservatories Richmond roses which are the envy of rose growers, large blooms on stems four and five feet long, equaling in many features the American Beauty.

The Mishawan Greenhouses have been in the Christmas market with a good supply of excellent white and yellow chrysanthemums, as valuable a stock as any and easily salable.

M. B. Dallachie is cutting the first of the tasty little English primroses, which stock he controls until well into the season.

H. Delansky, of Lynn, is sending to market a stock of fine white sweet peas.

B.

Orange, N. J.

The regular monthly meeting of the New Jersey Floricultural Society took place December 7. Final reports were presented upon the recent fall show, from the secretary and treasurer, showing a deficit of $125, which will have to come out of the treasury of the society or be paid by one or more of the society's patrons. The annual election resulted in the following officers for the ensuing year: W. J. Bennett, president; Arthur T. Caparn, vice-president; Henry Halbig, secretary and William Reid, treasurer. A. T. Caparn and William Reid were re-elected.

The annual competition for the monthly floral display was closed, and the following winners' names, hitherto designated by numbers, were announced:

General display.—First, Peter Duff, average, 92 points; second, William Reid, average, 88 points.

Special orchid.—First, Arthur Bodwell, average, 90 points; second, Lager & Hurrell, average, for ten months, 92 points.

Special for gardeners without glass.—First, Arthur T. Caparn, average 85 points.

Attention was called by the secretary to the fact of Lager & Hurrell having entered after the competition was under way, the average for 10 months only, running but 15 points behind their competitor.

J. B. D.

EXETER, N. H.—Edgar Prescott is building a greenhouse, and with his son will start up in business. The young Prescott had been for some time in the employ of the late J. T. Smyth.

SUMMIT, N. J.—The East India Mango Co. has been incorporated, with a capital of $10,000. L. D. Wishard, J. L. Leeper and M. Leitch are the incorporators, and the company will cultivate mangoes, trees, plants, shrubs, etc.

WASHINGTON, D. C.—A cluster of American Beauty roses with card inscribed "From your sincere admirer, Joseph W. Babcock," greeted Senator La Follette when he returned from Wisconsin recently. At our last hearing the senator was still wondering whether this was a genuine offering from his late foe or the work of a wag.

POINSETTIAS

$25.00 to $40.00 per 100.

THE LEO NIESSEN CO.

WHOLESALE FLORIST.

Open From 7 A. M. to 8 P. M.

1217 Arch St., PHILADELPHIA, PA.

New Year's Flowers

American Beauties, Richmonds, Carnations, Violets

and all other Stock. Get Your Order in Early.

PITTSBURG FLORISTS' EXCHANGE, 228 Diamond St., Pittsburg, Pa.

NOW READY

to fill orders for **American Beauties, Lily of the Valley, Carnations** and all varieties of **Tea Roses** in lots of one hundred to one thousand at short notice. Get our prices before ordering elsewhere.

WELCH BROTHERS, 226 Devonshire St., BOSTON, MASS.

ASPARAGUS PLUMOSUS NANUS.

Cut Strings, 50 cents each.

W. H. ELLIOTT, Brighton, Mass.

THE

J. M. McCullough's Sons Co.

Wholesale Commission Florists.

CONSIGNMENTS SOLICITED.

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES, SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

Please mention the American Florist when writing

THE

Rose Pink Enchantress

Is the best and the most profitable pink carnation in sight. If ever you had a good thing on your bench you will be sure to find one in the

Rose Pink Enchantress

Ask me who has it in your neighborhood, and I will unhesitatingly refer you to your own neighbor. It is **THE** carnation to grow.

Price:—Strong rooted cuttings, $7.00 per 100; $60.00 per 1000. Address

S. S. SKIDELSKY,

824 No. 24th Street, PHILADELPHIA, PA.

Please mention the American Florist when writing

Nephrolepis Whitmani

2¼-inch, $25.00 100,

Boston Ferns 2¼-in. $3.00 per 100.

Henry H. Barrows & Sons, WHITMAN MASS.

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

Wholesale Flower Markets

PHILADELPHIA, Dec. 24.

Roses, Tea	8 00@15 00
" extra	15 00@25 00
" Liberty	10 00@50 00
" Queen of Edgely, extra	12 00@15 00
" " first	6 00@ 9 00
" Beauty, extra	12 00@15 00
" first	6 00@ 9 00
Carnations	6 00@18 00
Lily of the Valley	3 00@ 5 00
Asparagus, bunch	25 00@50 00
Smilax	15 00@20 00
Adiantum	1 00@ 1 50
Cattleyas	60 00@75 00
Gardenias	75 00@100 00
Lilium Harrisii	20 00@25 00
Violets, single	75@ 1 50
" double	1 00@ 1 50
Callas	25
Roman Hyacinths	3 00@ 4 00
Narcissus	3 00@ 4 00
Cypripediums	15 00@ 20 00
Pansies	1 50@ 2 00

BOSTON, Dec. 24.

Roses, Beauty, best	30 00@40 00
" " medium	20 00@25 00
" " culls	4 00@ 8 00
" Bride, Bridesmaid	2 00@ 4 00
" Extra	6 00@ 8 00
" Liberty	6 00@25 00
Carnations	1 00@ 2 00
" Fancy	2 00@ 3 00
Lily of the Valley	2 00@ 4 00
Smilax	8 00@12 00
Adiantum	1 00@ 1 50
Asparagus	35 00@50 00
Violets	75@ 1 00

BUFFALO, Dec. 24.

Roses, Beauty	$6 00 to $12 doz
" Bride, Bridesmaid, Meteor	4 00@20 00
Carnations	3 00@10 00
Lily of the valley	3 00@ 5 00
Asparagus, strings	40 00@50 00
Smilax	15 00
Adiantum	75@ 1 50
Lilies	5 00@15 00
Chrysanthemums	8 00@25 00
Violets	2 00@ 3 00
Stevia	1 00@ 1 50

J. B. MURDOCH & CO.

WHOLESALE FLORISTS,

FLORISTS' SUPPLIES.

545 Liberty Ave., PITTSBURG, PA.

Please mention the American Florist when writing.

H. G. BERNING,

Wholesale Florist

1402 Pine St., ST. LOUIS, MO.

Please mention the American Florist when writing.

WM. C. SMITH & CO.

WHOLESALE Fflorists.

Bell, Main 2018. Kinloch, Cent. 410.

1316 PINE ST., ST. LOUIS, MO.

Please mention the American Florist when writing.

C. A. KUEHN,

Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

Please mention the American Florist when writing.

POINSETTIAS.

ALL SEASONABLE CUT FLOWERS.

ABSOLUTELY THE BEST POSSIBLE SERVICE.

W. E. McKissick

WHOLESALE FLORIST.

Business Hours 7 a.m. to 8 p.m.

1221 Filbert Street, PHILADELPHIA, PA.

Holton & Hunkel Co.

Wholesale Florists

Milwaukee, Wis.

Nephrolepis Whitmani

Young plants from bench,

$6.00.....per 100.

DAVIS BROS., Morrison, Ill.

New York.

PLANTS GROWING IN FAVOR.

The tension of the few days preceding Christmas is passed and the market is settling down. Monday was a busy day among the retailers, but there was very little business in cut flower circles until late in the evening, when the demand became quite lively. American Beauty roses in special grades brought $1.50 each and the supply was not heavy even at this price. Bride and Bridesmaid roses brought 35 cents in top grades. Violets went to $2 per 100 but did not stay long at that point. Carnations dragged somewhat but fancy grades did very well and growers will hardly complain of low prices. The quality in general was high and quite in conformity with the maimum prices. Alma Ward in the white class and Mrs. C. W. Ward among the pinks were conspicuous and Beacon made its first appearance at a holiday season, fine in point of size but somewhat bricky in its crimson tone. Enchantress was good in almost every shipment, but in a few cases had been held too long. Lilies were somewhat scarce and brought easily 20 cents per flower. Gardenias were in fairly good supply, but did not bring fancy prices, at least not such as were expected, the dollar mark being exceeded only in a few instances. There was a great demand for orchids and few remained unsold. As was expected, the plantsmen got the best returns from the holiday trade. From Wednesday forward the business in plants strongly asserted itself and consumers readily acceded to the persuasions of the retailer to take a flowering plant or a combination basket instead of cut flowers. The high price of cut flowers helped the situation very materially. With American Beauty roses at $36 per dozen at retail the task was not hard. Azaleas were almost as popular as at Easter and sold well. Crotons, ardisias, araucarias and ericas were all in good demand, both as individual stock and as basket fillers. Small ferns cleaned up well and Boston and Scottii ferns had a good run. Poinsettias sold well, both cut and in growing form. Nice pans of these plants were largely used as table centerpieces and could hardly be beaten in popularity for this purpose. Geraniums, crimson flowered of course, were very largely used for hamper combinations and took readily with the trade. Cyclamens, primroses and daisies also figured in the demand for flowering stock.

The Market, December 26.—The market is slow to-day and reactionary in tone, prices in staple lines nearing normal.

NOTES.

Chas, H. Grant has returned from Chicago and is now filling his old position at Small & Sons.

C. W. Johnson, formerly of Seattle, Wash., sailed for Europe on the S. S. Baltic December 19.

Arthur Merritt, recently of the Merritt Floral Co., has joined the Thorley staff.

Siebrecht & Son made up 150 fancy baskets of orchid plants and they sold well.

Baltimore.

BUSINESS GOOD.

Sunday night a sudden and sharp change brought the weather conditions pretty close to zero, and Monday was clear and bright but so cold as to be uncomfortable for shoppers. The delivery of plants and flowers was attended with labor and trouble enough, all the wagon stoves being brought into requisition, and double wrappings as protection against the keen wind and freezing temperature. Notwithstanding the drawbacks the stores were full of customers. Stock of all kinds was abundant and all conditions pointed to a satisfactory holiday trade. Baskets of all sizes, shapes and materials seem ta have had the call and the bright colored foliage and flowering plants were much in request. Poinsettias, which a week or two ago were thought to be scarce, appeared suddenly in quantities large enough to more than satisfy all demands. Carnations were not in good supply. Violets did not reach the old-time proportions. Some chrysanthemums are still on the market, and roses are more abaundant in quantity, except American Beauty, than superior in quality, the weather not having been favorable in this regard. S. B.

Milwaukee.

STOCK AND PRICES WERE GOOD.

The marked features of the Christmas business this season as compared with the past are, first, the stock averaged very good; in fact, the bulk of it has been what was called fancy stock but a short time ago. Second, prices were high and held firm to the end; very little unexpected stock came in to cause a slump at the close. Third, the weather was ideal, not only on Christmas day but for several days previous.

At Holton & Hunkle Co.'s, where enormous quantities of flowers were distributed, there was no display of flowers whatever, owing to their system and the manner in which they have their growers trained. The flowers were counted out and repacked for delivery as fast as received. We know of 18,000 of Loeffler's violets arriving and being billed at $2.50 per 100, and they were out of sight in 30 minutes. In roses they had all the Liberty and Bridesmaid required but were short of Bride and American Beauty. Their fine stock of poinsettias was never shown in their store, all having been sold long before Christmas. Their success in growing plants to meet the special needs of patrons, where ordinary growers have been remiss, has been accorded well deserved appreciation.

Pollworth's trade was large, the biggest ever, as Joe put it. This firm ran short of roses, particularly red, but were able to make up with red carnations. Customers asked for poinsettias more than heretofore, indicating what must be provided for another year. When moved from the old plant to the new next summer, there will be provisions for a few houses of pot plants so as to meet this demand.

Miss Ryan, with J. M. Fox & Son, reports very satisfactory business. Although prices were high the quality was good and everything went smoothly. More violets could have been used to advantage. We notice here a continuous supply of good bouvardia grown by Stapes. It is gratifying to note that the good qualities of this old flower are again being appreciated by the public.

At McKenney's the situation was quite satisfactory. Mrs. Davis says the demand for poinsettias and violets was quite a feature. Poinsettia plants sold before they had time to arrange or label them. Mrs. Davis says that the prejudice against everything but red for Christmas is fading away. In this beautiful display we noticed some very fine sweet peas and good cypripediums.

At Currie Bros.', who also report increased business, we were pleased to note a lot of the old Begonia incarnata, a beautiful and serviceable pot plant. Wm. Currie says they were particularly well supplied with Liberty and Richmond roses that sold at $10 per dozen. Carnations were $2, the best American Beauty, $24, and violets, $5 per 100.

Zimmerman's trade was large, particularly in plants. His force worked all night Sunday and had all the orders out on time and in good shape.

We regret to learn that W. A. Kennedy is suffering with a severe cold.

C. B. W.

NEW YORK.—A second attempt to kill Pasquale Deodado by throwing a bomb in his store has been made, it is supposed by members of the "black hand" fraternity. Threatening letters demanding money had been received by him and his brother, who assists him in running his store. The house was badly shaken and the front of the store and several windows blown out, but no one seems to have been hurt.

VICTORY HAS MADE GOOD.

Place your orders early for Rooted Cuttings. Prices: $6.00 per 100; $50.00 per 1000.

GUTTMAN & WEBER,

The Wholesale Florist of New York, 43 W. 28th STREET. Grower, LYNBROOK, L. I.

HORACE E. FROMENT, Wholesale, Commission,
Successor to William Ghormley.
Orchids, Roses, Carnations, Valley, Lilies, Etc.
57 West 28th Street, NEW YORK CITY.
Telephones 2200 and 2201 Madison Square.

Alexander J. Guttman,
THE WHOLESALE FLORIST OF NEW YORK,
43 West 28th Street.
Write for prices on any variety of cut flowers, not only for New Year's, but for all the year round. Enough said.

Choice Carnations. Selected Roses.
Traendly & Schenck
NEW YORK CITY,
44 W. 28th Street, Cut Flower Exchange.
New Telephone No. 798 & 799 Madison Sq.
Please mention the American Florist when writing

CARNATIONS
MY SPECIALTY
Consignments Solicited. Prompt Payments
Established 1891.
Alfred H. Langjahr, 55 W. 28th St., NEW YORK.
Telephone 3924 Madison Square.
Please mention the American Florist when writing.

FORD BROS.
Receivers and Shippers of
Fresh Flowers
48 West 28th St. NEW YORK.
Telephone 3870-3871 Madison Sq.

N. Y. Cut Flower Exchange
Coogan Bldg., 6th Ave. & W. 26th St., New York.
Open for Cut Flower Sales at 6 o'clock Every Morning.
Desirable Wall Space to Rent for Advertising.
V. S. DORVAL, JR., Secretary.

JOHN P. SCHERER
Wholesale Dealer in
EVERGREENS, GALAX, FERNS and DECORATIVE SUPPLIES.
Greens and Trees a Specialty.
Telephone 328 L Union. 636 Garden St., UNION HILL, N. J.

ORCHIDS
Largest Importers, Exporters, Growers and Hybridists in the World.
SANDER, St. Albans, England.
NEW YORK OFFICE: Room 1, 236 Broadway. T. MELLSTROM Agent

Orchids!
ARRIVED IN FINE CONDITION.
Cattleya Harrisoniae, C. Intermedia, C. Gigas, C. Trianae, C. Speciosissima, C. Leopoldii, Laelia purpurata, Oncidium varicosum Rogersii, Marshallianum, Phalaenopsis amabilis and P. Schilleriana.
Lager & Hurrell, SUMMIT, N. J.
Orchid Growers and Importers.

ORCHIDS...
Importations 1907.
You can save money by getting our quotations on Cattleya Labiata, Trianae, Percivaliana, Mossiae, Mendelli, Schroderae.
JULIUS ROEHRS CO., Orchid Growers, Rutherford, N. J.

Charles H. Totty
WHOLESALE FLORIST
Chrysanthemum Novelties A Specialty. MADISON, N. J.

Wholesale Flower Markets

NEW YORK, Dec. 26.

Roses, Beauty, best	50 00@100 00
" " medium	10 00@20 00
" " culls	3 00@10 00
" Liberty, best	3 00@12 00
" culls	1 00@ 3 00
" Bride, Bridesmaid, G. Gate	3 00@10 00
" Kaiserin, Carnot	2 00@12 00
Carnations	2 00@ 5 00
" fancy and novelties	5 00@ 8 00
Lily of the valley	1 00@ 4 00
Lilies	6 00@15 00
Violets	50@ 1 00
Smilax	6 00@ 8 00
Adiantum	50@ 1 00
Asparagus	20 00@50 00
Chrysanthemums, doz.	$0 50@$2 00

Thomas Young
WHOLESALE FLORIST.
43 West 28th St., NEW YORK.

Moore, Hentz & Nash,
Wholesale Commission Florists,
55 and 57 West 26th Street,
Telepnone No. 756 Madison Square. New York.

N. Lecakes & Co.
53 W. 28th St., NEW YORK.
Tel. No. 1214 Madison Square
Stands at Cut Flower Exchange, Coogan Bldg., W. 26th Street & 34th Street Cut Flower Market. SPECIALTIES: Galax Leaves, Ferns and Leucothoe Sprays, Holly, Princess Pine and all kinds of Evergreens.
Green and Bronze Galax Leaves, $1.00 per 1000.

A. J. FELLOURIS,
J. J. Fellouris, Manager.
Wholesale and Retail Dealer in all kines of
EVERGREENS,
Fancy and Dagger Ferns, Bronze and Green Galax.
Telephone, 2675 Madison Square.
52 West 28th Street, NEW YORK.

George Cotsonas & Co.
Wholesale and Retail Dealers in all kinds of
Evergreens.
Fancy and Dagger Ferns, Bronze and Green Galax.
Phone 1202 Mad. Sq.
Main Store, 50 W. 28th St., NEW YORK

—FLOWERS SHIPPED BY—
JOHN I. RAYNOR
Are the best product of the best growers for the New York Market.
Adiantum Croweanum sold here exclusively.
49 W. 28th St., NEW YORK.
Tel. 1998 Madison Square.

Walter F. Sheridan,
WHOLESALE FLORIST,
Telephones 3532 and 3533 Madison Square.
39 West 28th St., NEW YORK.
Please mention the American Florist when writing.

J. Seligman. Joseph J. Levy
John Seligman & Co.
WHOLESALE FLORISTS
56 West 26th Street, NEW YORK.
OPPOSITE N. Y. CUT FLOWER CO.
Everything in Cut Flowers. Consignments from growers solicited. Prompt returns. Best prices. Satisfaction guaranteed. Tel. 4878 Madison.
Please mention the American Florist when writing.

PHIL. F. KESSLER
Wholesale Commission Florist
Telephones { 2921 / 5243 } Madison Square.
55 WEST 26th STREET,
Consignments solicited. Prompt payments. New York.
Please mention the American Florist when writing.

A. M. HENSHAW
Wholesale Commission Florist.
Consignments of first-class stock solicited. A Square Deal guaranteed to all who trade here.
Telephone 5583 Madison.
52 W. 28th St., NEW YORK
Please mention the American Florist when writing.

A. L. Young & Co.
WHOLESALE FLORISTS.
Consignments of choice cut flowers solicited. Give us a trial.
54 West 28th St, NEW YORK.
Telephone, 3559 Madison Square.

C. W. EBERMAN
Wholesale and Commission
PLANTS AND EVERGREENS
GALAX, FERNS, MOSS.
Consignments Solicited.
53 W. 30th Street, Telephone 3767 Mad. Sq. NEW YORK.

THE KERVAN COMPANY,
20 West 27th St., NEW YORK.
Wholesale dealers in fresh cut Palmetto and Cycas Palm leaves, Galax, Leucothoe Ferns, Mosses and all Decorating Evergreens.

J. K. ALLEN.
Wholesale Commission Florist.
106 West 28th St., NEW YORK CITY.
Open every day at 6:00 A.M. Tel. 167 Madison S

CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

William H. Donohoe, No. 2 West 29th St., (One Door Off 5th Ave.) NEW YORK.

PHONES: 3034 and 3035 MADISON SQUARE.

Write, wire or telephone your orders to the above. Personal attention assured.

The best is none too good. Prices always right. Send me your next order.

DETROIT.

JOHN BREITMEYER'S SONS

Cor. MIAMI and GRATIOT AVES.

DETROIT, MICH.

...Artistic Designs...

High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

MILWAUKEE.

C. C. Pollworth Co.

MILWAUKEE, WIS.

Will take proper care of your orders in WISCONSIN.

INDIANAPOLIS.

Bertermann Bros. Co.

FLORISTS

241 Massachusetts Ave., INDIANAPOLIS, IND.

ST. LOUIS.

Fred. C. Weber,

FLORIST,

4320-4328 Olive St., ST. LOUIS, MO.

Established 1873. Bell, Lindell 676.

DENVER.

The Park ...Floral Co.

J. A. VALENTINE, President. DENVER, COLO.

OMAHA.

HESS & SWOBODA,

Florists,

1416 Farnam Street, OMAHA, NEB

'Phone 1501 and L. 1582.

Please mention the American Florist when writing.

DENVER.

FLORAL DESIGNS AND FLOWERS.

Best Quality on Shortest Notice.

DANIELS & FISHER, DENVER, COLO.

Order by mail, telephone, telegraph or cable.

Cable address: "Daniels Denver."

LONDON PARIS BERLIN

A. Lange

Prompt Attention to STEAMSHIP ORDERS.

Main Address 40 East Madison Street, Heyworth Bldg. ...CHICAGO.

Agents in all Leading European Cities.

GUDE BROS. CO. FLORISTS 1214 F ST. N.W. WASHINGTON, D.C.

WASHINGTON, D. C.

Gude's.

CHICAGO.

P. J. HAUSWIRTH

Auditorium Annex,

CHICAGO.

Mail, telegraph or telephone orders filled promptly in best style.

BUFFALO.

Palmer's

Buffalo, N. Y.

W. J. Palmer & Son, 304 Main St.

WASHINGTON.

GEO. H. COOKE,

FLORIST

Connecticut Avenue and L Street, WASHINGTON, D. C.

KANSAS CITY.

Samuel Murray

...FLORIST...

Coates House Conservatory

1017 Broadway, KANSAS CITY, MO.

Both 'Phones 2670 Main.

Write, Telephone or Telegraph. All orders given prompt attention.

KANSAS CITY.

GEO. M. KELLOGG,

936 Grand Avenue,

KANSAS CITY and PLEASANT HILL, MO.

Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

BROOKLYN, N. Y.

Robert G. Wilson

Fulton St. and Greene Ave. BROOKLYN

Greenhouses: Short Hills, N. J.

—Deliveries in—

Greater New York, Long Island and New Jersey.

Trade orders from all parts of the country filled for delivery at residence, steamer, hotel, or theater on wholesale basis. Satisfaction guaranteed. Wire or telephone.

ST. PAUL.

HOLM & OLSON,

ST. PAUL.

THE LEADING FLORISTS OF THE NORTHWEST

Orders will be well cared for anywhere in Minnesota and the Dakotas.

GALVESTON.

Mrs. M. A. Hansen,

—FLORIST—

Galveston, Texas.

Special attention given to Telegraph or Telephone Orders. 'Phone 1912.

JACKSONVILLE.

MILLS THE FLORIST,

36 W. Forsyth Street,

JACKSONVILLE, FLA.

WASHINGTON.

Mayberry & Hoover

Florists and Decorators

1339 Fourteenth St., Northwest

Telephone North 508. WASHINGTON, D. C.

New Orleans

CUT FLOWERS

For Tourists and General Trade.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, 838 CANAL ST.

COLUMBUS.

The Livingston Seed Co.

FLORISTS

Cover All Ohio Points. 114 North High St.

WANTED TO BUY

What you have to sell. We can use your surplus stock in cut flowers or plants. The larger the quantities the better. Write, if you have bargains. If you have not, save postage. Send samples and make yourself brief and explicit. If plants, pot grown only.

ALPHA FLORAL COMPANY, Kansas City, Mo.

A. L. RANDALL CO. 21 Randolph St. CHICAGO.

WHOLESALE FLORISTS. Well Selected Stock. Reasonable Prices. Fair Treatment.

Randall's Phenomenal Progress Shown in the Florists' Supply Department. **Our First Anniversary in this Line** occurs January 1, 1907, and already we are doing a business second to none in the west. **The most up-to-date and best of supplies** can be obtained of us at lowest prices. Try us once and we will get your future orders. **Write for quotations.**

The Cleveland Cut Flower Company,

WHOLESALE CUT FLOWERS, FLORISTS' SUPPLIES, WIRE DESIGNS.

215 Huron Road, CLEVELAND, OHIO.

Cut Flowers or Designs

Will be delivered for the Trade on Wire or Mail. Orders in Best Qualities and Prices.

ST. LOUIS.

Theodore Miller

FLORIST,

Long Distance Phone, Bell, Forest 56, Kinloch, Delmar 201. **4832 Delmar Boulevard ST. LOUIS, MO.**

DAYTON, O.

Matthews,

FflorisT,

16 W. 3rd St., DAYTON, O.

Flowers in any arrangement for all occassions for Dayton and vicinity. Long dis. phones.

ALBANY, N. Y.

EYRES

Flowers or Design Work.

DELIVERED IN ALBANY AND VICINITY ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

SAN FRANCISCO.

J. B. Boland Co.

Successors to Sievers & Boland,

FLORISTS,

47-49 Geary St., SAN FRANCISCO, CAL.

ROCHESTER.

J. B. KELLER SONS,

FLORISTS.

25 Clinton Ave., N., ROCHESTER, N. Y.

Rochester Phone 506. Long Dist. Bell Phone 2189.

Please mention the American Florist when writing.

Blackistone Florist

14th and H Sts. N.W. Washington, D.C.

Please mention the American Florist when writing.

ST. LOUIS.

WRITE, WIRE OR PHONE YOUR ORDERS TO

YOUNGS,

1406 Olive St. ST. LOUIS, MO.

Regular discount allowed on all orders, either Plants or Cut Flowers.

Phones: Bell, Main 2306, Kinlock, Central 4981.

LOUISVILLE.

JACOB SCHULZ, 644 Fourth Ave., LOUISVILLE, KY.

Cut Flowers of BEST QUALITY in season delivered promptly to any address.

Write, Telegraph or Telephone.
Cumberland and Home Phones 223 and 984.

ATLANTA.

ATLANTA FLORAL CO.

41 Peachtree Street. **ATLANTA, GEORGIA.**

Attention, Western Florists

Wholesale Growers of Carnations, Roses, Violets, Paper Whites, Callas, Plumosus, Sprengeri, Smilax, Adiantum, etc.,

We Want to Hear from You.

Rising-Dunscomb Co., Inc., 205 No. Broadway, LOS ANGELES

ROOTED CUTTINGS.

PELARGONIUMS, 15 var. named, $2.25 per 100.
BEGONIAS, $1.50 per 100.

Shipping charges prepaid. Cash with order. Write to

S. D. BRANT, Clay Center, Kan.

Please mention the American Florist when writing.

BOSTON FERNS.

From bench; ready for 4 and 5-inch pots, $10 00 and $15.00 per 100 respectively.

Boston and Scottii, 5 to 10-inch pans, 50c to $1.50 each.

Jerusalem Cherries, 12-inch pans, 7 plants to a pan, full of berries, 75c each; 3½-inch pots, with berries and blooms on, $6.00 per 100.

ASPARAGUS.

Sprengeri, 2½-inch, extra large, $3.00 per 100; $25.00 per 1000. 3½-inch, good value, $5.00 per 100.

CARNATIONS.

Norway. We still have about 800 nice, field-grown plants; just nice to follow 'mums. At present they are heeled in a bench. $3.00 per 100 to close them out.

20,000 Rooted Cuttings, leading varieties now ready. Write for prices.

J. W. DUNFORD, Clayton, Mo.

Please mention the American Florist when writing.

A Few Good Things You Want.

Cash with Order.

Dracaena Indivisa, 4 and 5-inch, $10.00 and $25.00 per 100.
Asparagus Plumosus, 2-in., $3.00 per 100. 3-in., $5.00 per 100.
Asparagus Sprengeri, 2-inch, $2.50 per 100.
Geraniums, S. A. Nutt, John Doyle, Perkins, Double Gen. Grant, La Favorite, 2 in. pots, $2.00 Rooted cuttings, $1.00 per 100.
Rex Begonia, nice plants, and 2½-inch, $5.00 per 100.
Boston Ferns, 5-inch, 30c each.
Pierson Ferns, 5-inch, 50c each.
Vinca Var., 2-in., $2.00 per 100.
Gladiolus, blooming buds, extra fine mixture, to close out while they last, 60c per 100; $5.00 per 1000.

GEO. M. EMMANS, NEWTON, N. J.

Please mention the American Florist when writing.

STRONG 4-in. Asparagus Plumosus

$10.00 per 100.

DRACAENA INDIVISA, 5-in. pots, $15.00 per 100

Cash with order.

The H. Harrington Company,
VASHON, WASHINGTON.

Please mention the American Florist when writing.

The Seed Trade.

American Seed Trade Association.
H. W. Wood, Richmond, Va., Pres.; C. S. Burge, Toledo, O., First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas. Twenty-fifth annual convention at New York, 1907

WALTER P. STOKES' general retail seed catalogue is the first to reach us from the east.

QUEDLINBURG, GERMANY.—Settler & Bethge report that their firm is entering into liquidation.

VISITED CHICAGO: J. B. Agnew, representing the Pacific Seed Growers Co., San Francisco, Cal.

CALIFORNIA onion seed growers making 1907 contracts report good demand even at advanced prices.

NITRATE OF SODA to the value of $15,112,909 was imported into this country from Iquique, Chile, during 1905.

VISITED KANSAS CITY: Chas. Schwake, representing Chas. F. Meyer, New York; J. Tegelaar, representing Guldemond & Son, Lisse, Holland.

ALL vegetable and agricultural seeds, with the exception of peas, beans, rape and cotton, have to pay a duty of 15 per cent ad valorem to enter Japan. Varying duties from .20 to .45 Japanese yen ($0.498) per kin (1.32277 pounds) are levied upon those mentioned.

AN INTERESTING article entitled "The Seed Business as a Mail Order Proposition" appears in the December issue of Agricultural Advertising. It has special reference to the seed testing and nursery department of Vaughan's Seed Store at Western Springs, Ill., and is illustrated from photographs taken there.

SEEDS taken to Fort Conger, about 490 miles from the North Pole, by the Greeley expedition in 1883 were found in 1899 by the Peary party and sent home to the United States. These remained unplanted until the spring of 1905 when a package each of lettuce and radish were sown. The lettuce failed to germinate but about half of the radish seeds grew and reproduced seed.

NEW YORK.—The value of seeds received at this port during the week ending December 15 was as follows: Anise, $1,087; canary, $1,705; caraway, $6,244; cardamon, $622; castor, $3,019; clover, $762; coriander, $1,050; cummin, $3,292; fennel, $475; grass, $1,762; hemp, $1,873; millet, $2,130; mustard, $11,068; poppy, $406; rape, $148; sugar beet, $10,985; other, $10,825.

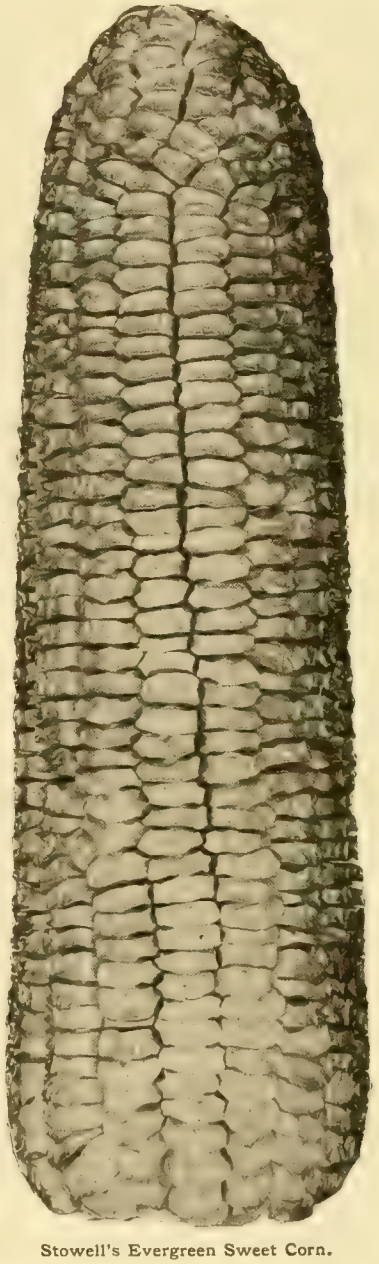
Stowell's Evergreen Corn.

The illustration herewith shows Stowell's Evergreen sweet corn as it is being developed by the Nebraska seed corn growers for the canners' trade. It will be noted that this type has a moderate sized butt, the ear holding its diameter well toward the tip.

The ear illustrated was 8¾ inches long and 8¼ inches in circumference at the widest part.

Samoan Copra Crop Curtailed.

Consul George Heimrod, of Apia, writes that the exports of copra from Samoa in 1905 amounted to 8,600 tons, of which 5,000 tons were sun dried and 3,600 tons cured by the hot air process. The copra produced by hot air is used exclusively by manufacturers of confectionery, and brings from 10 to 20 per cent more than the sun dried article. The flow of lava from the volcano of Savaii has covered over 40,000 acres of productive soil, on which many thousand cocoanut bearing trees were planted. The loss of copra from this source is figured at 500 tons.



Stowell's Evergreen Sweet Corn.

Indoor Fruits and Vegetables.

The prices of indoor fruits and vegetables at Chicago December 22 were as follows: Grapes, imported, Black Hamburg, $2.50 per pound; Muscats, $3 per pound; cucumbers, $1.25 to $1.75 per dozen; lettuce, 35 to 50 cents per box; tomatoes, 12 cents to 15 cents per pound; muchrooms, 40 cents to 60 cents per pound; asparagus, 25 cents to 35 cents per pound; rhubarb, 10 cents to 12½ cents per pound; radishes, 35 cents to 50 cents per dozen bunches.

Ants in a Greenhouse.

ED. AMERICAN FLORIST:—

How can I get rid of ants in the pots and carnation bed of a small greenhouse without injury to the plants?

J. H. F.

I have found a very simple and thorough remedy in Paris green and sugar. Add just enough Paris green to white granulated sugar to turn it to a light green color, then dust it lightly among the pots on and under the benches, and the greenhouse will be rid of ants in a very short time. One should be careful not to put any into the pots or on a bench containing soil, as the Paris green is liable to damage the plants.

As to ants being a benefit in the greenhouse in ridding it of other insects, I prefer to get rid of ants by all means, as they are an eyesore to any one working among them. Paris green will rid the house of sow bugs as well as ants. I also believe that ants are dangerous around a greenhouse. We had a lot of kentias in a greenhouse. On one bench the plants were perfectly clean, while on another bench we noticed that a few of the palms had scale. A lot of ants got into these palms and in a short time every palm in the house was infested with scale. It may be, as Mr. Roman says, that ants may be of some benefit, but it is my opinion that if such is the case they would have cleaned the palms of scale. I really think that instead of cleaning plants of scale, ants carry scale from one plant to another. This being my opinion, I mixed some Paris green and sugar one afternoon and dusted it on and under the benches. The next morning there was not a sign of an ant anywhere, and there has been none since.

A quart of sugar, with a little Paris green mixed through it, is enough for a house 25x100 feet. We also use this for sow bugs, finding it much more easily handled than when mixed with oatmeal, and much more effective. It also does away with a lot of mouldy oatmeal scattered through the greenhouses. EDWARD H. SCHWERIN.

MILWAUKEE, WIS.—It is stated that Charlotte, daughter of Frank P. Dilger, and Chas. Bundee, of Kewanee, Ill., are to be married soon.

SEEDS.
BELL & BIEBERSTEDT, Leith, Scotland.
Exporters and Importers of
Clovers, Rye Grasses, Natural Grasses, Swed Turnip, Mangel Wurtzel, Vegetable and Flower Seeds.

WIBOLTT'S SNOWBALL CAULIFLOWER-SEED
No. 34 is the earliest of all Snowballs, the most compact, the surest header, is giving the largest and snow-whitest heads, and is the best keeper in dry-weather. Demand it through your seed-firm or direct from
R. WIBOLTT, NAKSKOV, DENMARK

The Chas. H. Lilly Co.

SEATTLE, WASH.

—Growers of—

PUGET SOUND CABBAGE SEED

Please mention the American Florist when writing

A. J. Pieters Seed Co.

HOLLISTER, CAL.

—GROWERS OF—

Vegetable and Flower Seeds.

Special attention paid to selected stocks.

A. J. Pieters, President and Manager, will visit the trade December-January.

Please mention the American Florist when writing.

John Scheepers & Co.

Finest Bulbs, Seeds, Plants and Valley.

NEW YORK CITY.

Send for valuable Free catalogue.

Please mention the American Florist when writing.

BURPEE'S SEEDS PHILADELPHIA.

Wholesale Price List for Florists and Market Gardeners.

Please mention the American Florist when writing.

MUSHROOM SPAWN.

STYER

Frequent importations from England. Always fresh and lively.

J. J. STYER, Concordville, Pa.

HJALMAR HARTMANN & CO.

Growers for the Wholesale Trade Only.

31 Barclay St. NEW YOYK. | 12 Stormgade, COPENHAGEN.

CAULIFLOWER and CABBAGE SEED

MICE PROOF SEED CASES.

SEND FOR BOOKLET.

HELLER & CO., Montpelier, O.

New Crop Flower Seeds

Just Received New Crop Stocks in Fine Condition.

SALVIA "BONFIRE," my own growing. **Celebrated 'Floracroft Strain'**....Trade pkt., 30c: per oz., $2.00

VERBENA, (Mammoth) white, scarlet, purple, pink, mixed.....Trade pkt., 30c: per oz., $1.25

PHLOX DRUMMONDII GRANDIFLORA, in separate colors, trade pkt., 20c: per oz., 75c. **Dwarf Compact,** "Snowball" and "Fireball," trade pkt., 30c: per oz., $1.50

ASTERS, finest sorts, many of my own growing.

ANTIRRHINUM, (Snapdragon) giant white, garnet, pink, scarlet, striped, yellow, mixed, trade pkt., 20c: per oz., 60c

My 1907 Market Gardeners' and Florists' Catalogues, also my **General Retail Seed Catalogue** for 1907 are now ready for distribution.

See my new **"STOKES' STANDARD"** way of selling vegetable seeds. **IT IS DIFFERENT.**

Stokes Seed Store.

219 Market Street, PHILADELPHIA, PA.

Please mention the American Florist when writing

C. C. MORSE & CO.

SEED GROWERS.

171-173 Clay Street, : SAN FRANCISCO, CAL.

OUR SPECIALTIES: Onion, Lettuce, Sweet Peas; also Carrot, Celery Celeriac, Cucumber, Endive, Leek, Mustard, Parsley, Parsnip, Radish, Salsify, Spinach. Tomato and **Flower Seeds.**

Growers for the Trade on Contract.

Warehouses: at SANTA CLARA. **Farms and Farm Headquarters: CARNADERO, near GILROY.**

Registered Cable Address: "Morseed," San Francisco.

SEEDS

If you are in need of any of the following, write us for prices.

Bee Cabbage, Cannon Ball and Rocky Ford Musk Melon, southern-grown Watermelon, Bermuda and other Onion Seed, Okra, Mustard, French and California-grown Radish, Tomato, Mexican June Corn, Kaffir Corn, German Millet, Dwarf Yellow Milo Maize, Sugar Cane, Winter Barley, Red Rust Proof Oats, Cotton Seed, Whippoorwill and White Black-Eyed Field Peas, Spanish Peanuts, Johnson and Bermuda Grass.

TEXAS SEED AND FLORAL CO.

DALLAS, TEXAS.

J. STAER, Nurseryman and Seedsman,

WAHROONGA, New South Wales. AUSTRALIA.

Collector of Australian and Island Seeds and Plants. Palms, Ferns, Platyceriums, Orchids, Eucalyptus, ornamental trees and shrubs.

PALM SEEDS.

	Per 1000		Per 1000
Kentia Forsteriana	$1.25	Livistona Australis	.50
" Belmoreana	1.25	Bacularia Monostachya	1.50
" Canterburyana	3.00	Calamus Muelleri	1.50
" Moorei	12.00	Gymnostachys Anceps	2.00
Areca Baueri	1.00		
Seaforthia Elegans	.50		

TREE SEEDS.

Castanospermum Australe.....$5.00 per 1000
Araucaria Excelsa ..... 1.25 per 1000

Vegetable Plants.

CABBAGE New Early and Succession, $1.25 per 1000.

LETTUCE Grand Rapids, Big Boston, Boston Market and Tennis Ball, $1.00 per 1000.

PARSLEY Moss Curled, $1.25 per 1000.

TOMATOES Lorillard and Mayflower, 40c per doz., $2.00 per 100.

R. Vincent, Jr. & Son, White Marsh, Md.

Please mention the American Florist when writing.

—PURE CULTURE—

MUSHROOM SPAWN.

Per 10 bricks....$1.50 | Per 25 bricks..$ 3.50
Per 50 bricks.... 6.50 | Per 100 bricks.. 12.00

Fresh Tobacco Stems, in bales of 300 lbs..$1.50

W. C. BECKERT, Allegheny, Pa.

QUALITY SEEDS BULBS PLANTS

SEND FOR CATALOGUE.

ARTHUR T. BODDINGTON

342 West 14th St., New York.

CONRAD APPEL, DARMSTADT, GERMANY.

ESTABLISHED 1789.

Forest and Agricultural Seed Establishments,

HIGH GRADE GRASS SEEDS and ALFALFA

and Other Clovers, Agricultural and Forest Tree Seeds.

Trade Directory

—OF THE—

UNITED STATES AND CANADA.

PRICE $2.00, POSTPAID.

American Florist Co.. 324 Dearborn St., Chicago.

The Nursery Trade

American Association of Nurserymen.
Orlando Harrison, Berlin, Md., President; J. W Hill, Des Moines, Ia., Vice-President; George C. Seager, Rochester N. Y., Sec'y.
Thirty-second annual convention, Detroit, Mich., June, 1907.

NEW YORK.—Trees and plants to the value of $20,666 were received at this port during the week ending December 15.

MT. CARROLL, ILL.—J. L. Wood, of Sunny Ridge, met with a serious accident recently. While cutting down a tree he was struck on the head by a falling limb, a large scalp wound being caused that took several stitches to close.

AN ARTICLE entitled "Strawberry Plants as a Mail Order Proposition" by W. M. Burke appears in Agricultural Advertising for December. The text is interesting and views of the breeding beds and packing rooms of the R. M. Kellogg Co., Three Rivers, Mich., to whose nursery the article refers, are given.

PLANTS of the rose acacia grafted standard high are commonly sent out and are very suitable for forming graceful drooping plants quickly, but there is always a danger of the heads being blown off in exposed positions. Naturally grown specimens are better but in any case the wood is rather brittle and easily broken.

FRUITS FOR CALIFORNIA.—Yellow Newtown Pippin, Yellow Bellefleur, White Winter Pearmain, Gravenstein and Red Astrachan apples, Royal apricot, Napoleon Bigarreau (locally known as Royal Ann) Cherry, Bartlett pear and Wickson plum are the varieties to grow for Californian trade, these being the most generally cultivated of the hardy fruits there.

HEDGES of hornbeam or beech are fine as a protection to nursery quarters. Both trees stand the somewhat close, clipping necessary to keep them in track and either forms an excellent wind screen. Sometimes they show their dislike to soil or situation by retaining the old leaves until spring, but though this would be unsightly in the dressed grounds, it is rather an advantage than otherwise when used for the purpose indicated.

BEAUTIFUL as are some of the hardy herbaceous plants of a spreading habit of growth some of them are dangerous to plant in positions where it is desirable to keep each in its alloted space. The fine Japanese anemone for instance is one of the most beautiful plants in existence, but its roots run all over the garden if allowed to, each little bit of root growing and rapidly elbowing others out of existence. Harpalium rigidum is far worse. Once planted in good soil the plant becomes a perfect pest, pushing through turf, gravel walks, or drives with great persistence. Yet it is a fine showy plant and of real merit if only it could be kept in place.

SANTA BARBARA, CAL. — The Santa Barbara Nursery Co. has been incorporated with a capital of $50,000 and Jos. Sexton, president. The other members of the firm are Wm. J. Pettingell, Louis F. Horner, Thos. Compton and Ernst Sexton. This concern will do a general nursery and bulb growing business.

LULA, MISS.—A rose and shrub farm is to be started on Gov. Alcorns old cotton plantation, about four miles north of here, on the Yazoo pass. At least 1,000 acres are to be planted by a northern corporation and the produce is to be shipped to the north and west. The soil is well fitted for the purpose, being a black sandy loam.

THE Iowa Park and Forestry Association at its recent annual meeting elected the following officers for the coming year: L. H. Pammel, Ames, president; W. A. Burnap, Clear Lake, vice-president; T. H. McBride, Iowa City, secretary; H. F. Wickham, Iowa City, treasurer; H. T. Baker, Ames, Eugene Secor, Forest City, and Miss E. McGee, Farley, executive board.

FAIRMONT, MINN.—McKisson's Fairmont Nurseries have purchased the residence and farm of John Johnson in the southern portion of the city limits, on Budd lake. It is understood that G. D. McKisson paid $10,000 for this property, and will remove his plant thereto, about a mile from the present location. It is an ideal property, with fine, commodious buildings, and in every way convenient for that business as well as the making of a fine home.

Thomas Meehan Horticultural Society.

At the regular semi-monthly meeting of the Thomas Meehan Horticultural Society held in the plan room of the landscape department's offices, the following officers were chosen for the ensuing year: Samuel Baxter, president; William Lamb, vice-president; Henry A. Illman, secretary.

After an interesting and optimistic address by the retiring president, Warren Chandler, the subject for the evening, "The Winter Storage of Vegetables, Fruits and Plants," was discussed from several points of view. S. Mendelson Meehan gave an address on the storage and preservation of fritus, while the practical methods of the winter storage of vegetables, flowers, trees and roots were treated in the order named by Messrs. Illman, Hemming, Lamb and Baxter.

The discussion following the address was participated in by nearly all the members present and an interest manifested in the society which the firm of Thomas Meehan & Sons, Inc., encourages for reasons both educational and practical.

Large Orders For Forest Trees.

W. F. Schell, of the Wichita Nursery, Wichita, Kans., has just received orders for 250,000 trees to be used for planting forest reserves. Underwood and Viels, of Hutchinson, Kans., purchased 150,000 Catalpa speciosa and R. V. Convis, of Cheyenne, Okla., 100,000 of this and Robina pseudacacia, the black locust. Previous to this R. Convis had purchased 210,000 trees from the same nurseryman and it was the superior quality and hardiness of the former lot that led to the more recent purchase. These trees are to be planted about 1,200 to the acre so that from these orders more than 200 acres of land will be turned into forest. Both these species are valuable timber trees and quick growing, so a valuable crop should result.

Nurserymen Landscape Despoilers.

ED. AMERICAN FLORIST:—

Referring to your review of article appearing in Country Life of America under the above heading (see issue of December 8, page 958), no doubt many a party who is anxious to do some garden planting is imposed upon as well as being the victim of the well-enough meaning but ignorant practitioner of the gardening art and will continue to be just so long as the buyer is easy and willing to believe all he is told without due information as to responsibility and ability of the one imparting it.

Landscape gardening is a fine art and naturally has as many pretenders as any of the other fine arts which offer a livelihood to these followers. Just now when the country is awakening to the possibilities of gardening and practically everybody who has any land at all about their home is anxious to make it as attractive as possible, there arises a demand for expert advice on such matters and a class of competent men to furnish such advice. Some of these from the ranks of nurserymen, find this a profitable field for their endeavors and are furnishing a valuable service to their country.

Likewise there is no end of pretenders from various walks of life who think they see in this new activity a golden opportunity to make money and with a dangerous combination of ignorance, presumption and unscrupulousness in varying combinations prey upon the would-be buyer's ignorance. Would a man think of trusting the making of plans for a house to anybody who might present himself and offer to do a lot of something for nothing? That is practically what the buyer does who is persuaded to accept a planting plan from an unknown party, the party's object usually being to dispose of as much material as possible.

To those familiar with such matters it is a source of perpetual wonder why so many who use better sense in other matters fall such easy victims to this designing, or ignorant class, but so long as good game abounds there will be plenty of hunters in the field. Let the party who has a landscape problem to work out consult with those who have demonstrated by their work that they are competent to advise, be he a nurseryman or otherwise. If they are judged by what they are doing and have a reputation for fair dealing, the purchaser will be protected from imposition.

E. F. C.

GRAFTON, MASS. — Thomas Hesky & Sons, who leased the Norcross & Stratton greenhouses, South street, finished filling them, October 24, with carnations. The houses were built two years ago by the latter firm, but this fall they vacated them, and went back to Denver.

PEONIES.

From our large and select stock, such as the following varieties:

Prince Charles,	Philomile,
Mons. Boquil,	Lord Salisbury,
Leonie,	Festiva,
Duchess of Sutherland,	Hypatia,
Rosea maxima,	Mons. Rousselon,
Mme. Furtado,	Mme. Moreau,

and many other good varieties all true to name.
Strong 1 year old.....$1.50 per doz.; $10.00 per 100
" 2 " " ..... 2 00 " 15 00 per 100

Iris Germanica, Mme. Chereau, Gracchus, Florentine, Socrates, Duchess de Nemours, Dr. Bernice and 20 other good sorts, $2.50 per 100; $22.50 per 1000.

Hemerocallis (Day Lilies), in 10 varieties, to clear, $3.75 per 100; $30.00 per 1000.

The Undermentioned are Strongly Recommended for Cut Work.

Delphinium Belladonna, distinct, continuous bloomer, lovely sky-blue, 1 year old plants, $6 25 per 100; $57.50 per 1000. 3 year old clumps, $8.75 per 100; $75.00 per 1000.

Chrysanthemum maximum King Edward, the finest and largest hardy White Marguerite, four F. C. C.'s and A. M., R. H. S., strong from ground, $8.75 per 100.

Lathyrus latifolius White Pearl, true from cuttings, flowers double the size of the old white variety, A. M., R. H. S., strong from ground, $16.25 per 100. Seedlings, not guaranteed, $12.50 per 100.

Buyers of **Begonias, Dahlias** and **Cannas** should see our catalogue and write for prices. Special terms for quantities.

THOMAS S. WARE, Ltd., FELTHAM, ENGLAND.
Formerly of Tottenham.
Please mention the American Florist when writing.

ROSES.

Heavy Native Grown Stock.

	Per doz.	100
Baby Rambler	$2.50	$20.00
Hermosa	1.65	12.50
Clothilde Soupert	1.65	12.50

Imported Roses

Extra Heavy Hybrid Perpetuals.

	Per 10	100
All leading varieties	$1.50	$12.50
Baby Rambler	2.00	17.50
Crimson Rambler	1.75	15.00

Hollyhocks.

A nice lot in separate colors...$7.50 per 100

PERENNIAL GARDENS CO., Toledo, O.
Please mention the American Florist when writing

NURSERY STOCK

All kinds of Hardy Nursery Stock.
Ask for prices.

KLEHM'S NURSERIES,
ARLINGTON HEIGHTS, ILL.

Specimen Nursery Stock.

Deciduous Trees and **Shrubs, Evergreens, Rhododendrons, Azaleas.**
Over one hundred (100) acres of the choicest varieties. Send for price list.

COTTAGE GARDENS COMPANY,
Queens, Long Island, New York.
Please mention the American Florist when writing.

TREES AND SHRUBS.

We make especially low prices on **Nursery Stock** to Parks, Cemeteries, etc. Wholesale price-list on application. We carry immense quantities of the finest named varieties of

PEONIES.

PETERSON NURSERY 503 W. Peterson Ave. CHICAGO, ILL.

Spireas, Azaleas, Rhododendrons, Etc.

SPIREA NANA COMPACTA, strong clumps in best condition.....$4.00 per 100.

AZALEA INDICA. Mme. Van der Cruyssen, Prof. Walters, Empress of India, Helen Thielman, Simon Mardner, at import prices to close:

12 to 14-inch crowns .....$45.00 per 100.
14 to 16-inch crowns..... 55.00 per 100.
16 to 18-inch crowns..... 90.00 per 100.

AZALEA MOLLIS. Fine forcing, bushy and full of buds.

12 to 15 inches high.....$25.00 per 100.
15 to 18 inches high..... 35 00 per 100.

RHODODENDRONS. Bushy, perfect plants, brightest and best we ever had; full of flower buds.
18 to 20 inches high.....$ 9 00 per doz.
20 to 24 inches high..... 12.00 per doz.

LATANIA BORBONICA, 4-inch pots, short and bushy.....$15.00 per 100.

KENTIA BELMOREANA, 5-inch, fine..... 60.00 per 100.

THE STORRS & HARRISON CO.

PAINESVILLE, - OHIO.

Please mention the American Florist when writing.

HIBISCUS SYRIACUS MEEHANII

WE now offer to the trade our new hardy variegated leaf Hibiscus Syriacus Meehanii. This plant attracted much attention when exhibited at the American Nurserymen's Convention at West Baden, Ind., and American Florists' Exhibition at Asheville, N. C. Foliage beautifully variegated; never sun-scalds or reverts to the green; flowers single, very large, satiny lavender; blooms during four months; prices on application. Orders booked now.

P. J. BERCKMANS CO., Inc., Fruitland Nurseries' AUGUSTA, GA.

MANETTI STOCKS

Especially for **FLORISTS'** use. Best French-grown.

Grafting size, 3-5 mm.....$7.00 per 1000; $65.00 per 10,000
First size, 5-10 mm..... 9.00 per 1000; 80.00 per 10,000
Newark prices: **duty paid.** For delivery in January. Order now and avoid disappointment.

ROSES, two years, field-grown, well-rooted.

DOROTHY PERKINS.....$ 8.00 per 100
CRIMSON RAMBLER..... 10 00 per 100
HYBRID PERPETUALS, in good assortment .....$10.00 to 12.00 per 100

Send for our Wholesale Price List of Roses, Clematis, Flowering Shrubs, Conifers, etc.

JACKSON & PERKINS CO., Newark, Wayne Co., N. Y.

Not a bloomin' thing

but Roses to offer you.

101 best sorts. Own roots. 2½-in. and 4-in.
Get our price list. Send your want list.

THE LEEDLE FLORAL COMPANY, SPRINGFIELD-OHIO

PEONIES.

Queen Victoria (Whitleyii), per 100....$ 9.00
Festiva Maxima, per 100..... 30.00
Fragrans, "Late Rose".....per 100. 6.00
Large stock of M. L. Rhubarb and Lucretia Dewberry Plants.
For 1000 rates and other varieties, write

GILBERT H. WILD, Sarcoxie, Mo.

Send to **THE MOON** Company
For Your { Trees, Shrubs, Vines and Small Fruits.
Descriptive Illustrated Catalogue Free
THE WM. H. MOON CO.,
Morrisville, Pa.

CHOICE NORTHERN GROWN
2-year in field, fine for forcing.

CRIMSON RAMBLERS,

$10.00 per 100.
HYDRANGEA PAN. GRAND., $8.00 per 100.

C. M. NIUFFER, Springfield, Ohio.
Please mention the American Florist when writing

Jacs Smits, Ltd.

NAARDEN, (Holland.

GROWERS OF
Rhododendrons, Axaleas, pot grown Shrubs for forcing. Lily of the Valley, Spiræa, Paeonias, Roses, Climbing Plants, good varieties of Conifers and all ornamental stock.

Personal Inspection Cordially Invited.
R. R. Depot, NAARDEN-BUSSUM, near Amsterdam.
Price list free on demand.

LARGE TREES.

OAKS and MAPLES.
PINES and HEMLOCKS.

ANDORRA NURSERIES,
Wm. Warner Harper, Prop.
Chestnut Hill, PHILA, PA

Los Angeles, Cal.

FLOWERS IN SHORT SUPPLY.

Florists are all complaining about poor quality and shortage of nearly all flowers. Only the inside stuff is worth using owing to the long-continued cold weather that came very early this year. Following this very cold weather, we have had some fine rains, that will start the seed business nearly or quite a month earlier this season than usual. All the seedsmen report brisk business already. A continued rain has been falling for nearly a week, a sort of an Oregon drizzle.

NOTES.

Frank Lichtenberg, formerly of Bertermann Bros. Co., Indianapolis, Ind., has accepted a position as assistant with J. W. Wolfskill. S. R. Lundy, decorator for the same firm, made a flying business trip to San Francisco and he reports stock of all kinds for holiday trade very scarce there.

The Rising, Dunscomb Co., wholesale florists and general nurserymen, who recently incorporated, as noted in a previous issue, have opened a wholesale floral store at 205 North Broadway, from which depot they are now distributing their entire cut flower output.

Stock at the present is very scarce, as wind, rain and frost have about put the outside flowers out of business. Poinsettias are not up to the standard this year and it will keep the florists busy to make a good Christmas showing. O.

TERRYVILLE, CONN.—Edward Fenn, of High street, is dangerously ill at his home.

CARNATIONS ROOTED CUTTINGS.

	Per 100	Per 1000
Victory	$6.00	$50.00
Enchantress	2.00	18.00
Lawson (white)	3.00	25.00
Lady Bountiful	3.00	25.00
Boston Market	$1.50	$12.50
Mrs. E. A. Nelson	2.00	15.00
Lawson (pink)	1.50	12.50

Chrysanthemum Stock Plants.

White: Willowbrook, Kalb, Estelle, Wanamaker, Ivory, Robinson. **Yellow:** Appleton, Bonnaffon Halliday. **Pink:** Coombes, McNeice, Enguehard. **60c** per doz.: **$4.00** per 100.

Asparagus Plumosus Nanus, 3-in., $5.00 per 100. **Asparagus Sprengeri,** 2½-in., $2.50 per 100.

E. T. WANZER, Wheaton, Ill.

FERNS. Extra Fine and Cheap.

FROM BENCH. Boston, 3-inch, 5c; 4-inch, 10c.; Tarrytown, 3-inch, 10c.; 4-inch, 15c; 6-inch, 25c; Tarrytown Runners, fine stock, $1.50 per 100.

FLOWERING BEGONIAS, 8 kinds, 2-inch, 2½c.

REX BEGONIAS, 3-inch, 8c

GERANIUMS, 2-in., strong, 2c.

Rooted Cuttings, per 100 prepaid.

Fuchsia, 5 kinds, $1.25; **Salvia,** Bonfire, Spendens, 90c; **Vinca Var.,** 90c; **Dbl. Petunia,** 10 kinds, $1.00; **Heliotrope,** 3 kinds, $1.00; **Ageratum,** White, Pauline, Gurney, 60c; **Paris Daisy,** Giant White, Yellow, $1.00, Alexandra, $1.25; **Swainsona alba,** $1.00. Cash or C. O. D.

BYER BROS., Chambersburg, Pa.

Please mention the American Florist when writing.

WE ARE BOOKING ORDERS FOR

Nephrolepis Amerpohli

The Sensational New Fern.
Awarded Highest Certificate of Merit at the S. A. F. Convention, 1906.

JANESVILLE FLORAL CO., Janesville, Wis.

Please mention the American Florist when writing.

—SUPERB—

BOXWOODS.

Just Arrived. Perfectly Shaped.

Bushes for Window Boxes, from top of root ball, 12 to 20 inches high.....$0.75 a pair
24 inches high..... 1.00 a pair
Pyramids, 3 ft. high.....$2.00 and $3.00 a pair
" 4 ft. high..... 3.00 and 4.00 a pair
" 4 ft. 6 in. high..... 5.00 a pair
" 5 ft. high..... 7.00 a pair
Grafted Baby Ramblers on Manetti; nice bushy plants in 3½ and 4-in. pots, ready for early forcing, $15.00 per 100.

ANTON SCHULTHEIS,

9th St. and 4th Ave., **College Point, L. I., N. Y.**

Rooted Cuttings Per 100 prepaid: Ageratum, Gurney and Pauline, 60c; Salvia Bonfire, 75c; Coleus, asst., 60c; Vinca varieg., 90c, $8 00 per 1000, not prepaid. Cash.

SHIPPENSBURG FLORAL CO., Shippensburg, Pa

Advertisers send copy early for best service...

THE NEW

Cyclopedia of American Horticulture.

BY PROFESSOR LIBERTY H. BAILEY.

Over 4,357 articles in all by 450 expert writers, including practically all the best botanists, nurserymen, seedsmen, florists, market gardeners and experimental station horticulturists. Occupying 2,100 pages and covering 24,434 plant names, 2,800 detailed illustrations, enormously increasing the ease of identification, and 146 beautiful full page illustrations.

Every reader of this paper who is interested in farming, in gardening, in trees, in shrubs, and all out of door matters, absolutely needs this set. It takes the place of all others combined on American gardening.

In Six Great Quarto Volumes of 2,100 Pages You Find:

Descriptions alphabetically arranged of all—over a thousand—of the native trees, plants and flowers worth cultivating, with keys enabling you to name any species, as well as to find all information regarding it. Practical articles by leading experts of the country on all phases of commercial plant production and greenhouse management—cut flowers, vegetables, etc.

Fullest cultural instructions for every flower, fruit and vegetable, tree and ornamental plant you may wish to grow.

SPECIAL OFFER.

The regular price is ***$30.00.*** For a few weeks we are able to offer this new and revised edition with the new material added at ***$22.80*** cash. This offer will be withdrawn January 1, and the price increased.

American Florist Company,

324 Dearborn Street, CHICAGO.

Palms, Ferns, Etc.

WHOLESALE PRICE LIST.

	In.	Doz.	100
Asparagus Plumosus	2		$3.00
" "	3		6.00
Asparagus Sprengeri	2		3.00
" "	3		6.00
" "	4	1.50	
" "	5	2.00	

Aspidium Tensemense, 3-in., $1.00 per doz.; $8.00 per 100.
Boston Ferns, 5-in. pots, $3.00 per doz.; 6-in. pots, strong, $6.00 per doz.; 7-in. pots, $9.00 per doz. Larger specimens, $1.50, $2.00 and $3.00 each.
Pteris Argyrea, 3 in., $1.00 per doz.; $8.00 per 100.
Pteris Wimsetti, 3-in., 75c per doz.; $6.00 per 100.

ASSORTED FERNS FOR DISHES

$3.00 per 100; $25.00 per 1000. We have a large lot to offer in best varieties.

Cibotium Schiedei, 5-in., $9.00 per doz.; 6-in., $12.00 per doz.
Dracaena Fragrans, 5-inch pots, 50c each; $5.00 per doz. 6-in. pots, 75c each; $9.00 per doz.; 7-in., $1.00 each; $12.00 per doz.
Dracaena Indivisa. 2-inch pots, $2.50 per 100; 6-inch pots, 20 to 26 inches high, 50c each; $5.00 per doz.; 7-inch pots, 30 to 34 inches high, 75c each; $9.00 per doz.
Dracaena Terminalis, nicely colored, 2-in., $1.25 per doz.; 3-in., $2.00 per doz.; 6-in., $9.00 per doz.
Pandanus Utiles, 3-in. ..... per doz., $1.50
" " 4-in. ..... per doz., 3.00
" " 5-in. ..... per doz., 5.00
Cocos, for dishes, 2-in. ..... per doz., 2.00
Cocos Bonetti, large specimens, $40.00 each.

	In.	Each	Doz.
Kentia Belmoreana	3		$ 2.00
Kentia Forsteriana	7	2.00	24.00
" "	7 x	2.50	
" "	7 xx	3.00	

Latania Borbonica, 3-in. $1.50 per doz.; 3½-in., $2.00; 4-in., $3.00; 5-in., $5.00 and 7-in., $12.00 per doz.
Phoenix Canariensis, 2-in. ..... per doz., 1.00
" " fine bushy plants, 10-in. $2.50 and $3.00 each. Large specimens.
Phoenix Reclinata, 3½-in. ..... per doz., $2.00
" " 4-in. ..... per doz., 3.00
Aucuba Japonica, 10-in. pots, 3 ft. high, $1.50 each.
Rhododendrons, 50c and 75c each.
Boxwoods. Pyramids, in tubs, 3 ft., $4.00 each; 4 ft., $5.00 each.
Boxwoods, Bush Form in tubs, 4 ft., $5.00 each.
" 1 ft. high, 35c each; $4.20 per doz.; 1½ ft. high., 50c each.

The Geo. Wittbold Co.

1657 BUCKINGHAM PLACE, CHICAGO.

Please mention the American Florist when writing.

500,000 VERBENAS

60 Finest Named Varieties.

Rooted Cuttings, 75c per 100; $6.00 per 1000
Plants, $2 50 per 100; $20.00 per 1000.

Our list is the choice from millions of seedlings. Order early.

The floral and plant business of the late Mr. J. L. Dillon will be continued under his name by his executors.

LOUISE H. DILLON, ALICE D. FURMAN } Executors.

J. L. DILLON, Bloomsburg, Pa.

CARNATION JOHN E. HAINES.

The leading scarlet, brilliant color, fine stem, the most productive ever introduced; blooms early until thrown out in July; no extra grass. All shoots make flowers. Watch the papers and see what growers have to say about it. None but well-rooted, healthy cuttings leave the place.

Rooted cuttings ready December 15, 1906. Price $6.00 per 100; $50.00 yer 1000.

JOHN E. HAINES, Bethlehem, Pa.

Roses! Dahlias! Cannas! Violets!

Miscellaneous Plants!

ROSES. We have in stock upwards of 1000 different varieties, consisting of the very latest European varieties, as well as all the leading varieties of American origin. Stock from 2½, 4 and 5-inch pots, all on own roots. Ask for catalogue.

DAHLIAS. 25 leading varieties, all under name, guaranteed true, including the best sorts in cultivation, such as Admiral Dewey, Constancy, Gloriosa, Orange King, Prof. Baldwin, Maid of Kent, C. W. Bruton and Uncertainty. Field clumps as dug, **$5.00** per 100; **$45.00** per 1000. Catherine Duer, field clumps, **$8.00** per 100.

CANNAS. 40 leading varieties, **$10.00** per 1000 and upwards. Write for list and prices.

VIOLETS. Lady Hume Campbell, Princess of Wales, Swanley White, Admiral Avellan and Luxonne; nice strong plants, from 2½-inch pots, **$3.50** per 100; **$30.00** per 1000.

MISCELLANEOUS PLANTS.

Ampelopsis Veitchi, nice, strong, 2-year-old, field-grown plants, per 100, $6.00; per 1000, $55 00
Clematis Paniculata, 2-year-old, field-grown stock strong plants, per 100, 7.00; per 1000, 65.00
Cissus Discolor, nice plants, from 2½-inch pots ..... per 100, $4 00
Cyperus Gracilis, from 2½-inch pots ..... per 100, 3.50
Asparagus Sprengeri, from 2½-inch pots ..... per 100, 4 00
Asparagus Plumosus, from 2½-inch pots ..... per 100, 4.00
Weeping Lantana, from 2½-inch pots ..... per 100, 3.50
Viburnum Plicatum, and a complete list of hardy shrubs, vines and miscellaneous plants of all kinds. Send us your list for prices. Ask for catalogue—it's free.

Address **THE DINGEE & CONARD CO.,** Rose Growers,
WEST GROVE, PA.

ESTABLISHED 1850. 70 GREENHOUSES.

Araucaria Excelsa.

16 to 18 in. high, 4 to 5 tiers, 50c each, $5.00 per doz.

Viburnum Plicatum (Japan Snowball)

All sizes up to 5 ft; and other **Shrubbery, Honeysuckles,** etc.

ROSES (On their own roots) Our Specialty.

We have left strong field plants of
Clothilde Soupert, Dorothy Perkins,
Baby Rambler, Crimson Rambler,
Phila. Rambler, Sir Thos. Lipton.
2½ and 4 in. pot plants in great variety.

Cannas Over 300,000 roots, including more than 50 of the very best varieties.

Send for our 1907 catalogue, which will soon be ready.

THE CONARD & JONES CO.
West Grove, Pa.

CHRYSANTHEMUMS. Extra Fine Stock Plants

Robinson, Weeks, T. Eaton, Col. D. Appleton, Goldmine, Dr. Enguehard, Wm. Duckham, Touset, Maud Dean, Casco, 75c per dozen.

TIPTON GREENHOUSES, Tipton, Iowa.

ASPARAGUS PLUMOSUS

Exceptionally fine stock from 3-in. pots, $5.00 per 100.

ASPARAGUS SPRENGERI, from 3½-in. pots $6.00 per 100.

Write for price on large lots.

SCHARFF BROS., Van Wert, Ohio

Please mention the American Florist when writing.

A SNAP!!

Hydrangeas for Easter.

To close out quick, we offer a fine lot of stocky plants of **THOS. HOGG,** best white, in 6-inch pots, with four flowering crowns, at $6.00 per 100, 500 for $27.50; with 5-6 flowering crowns, at $8.50 per 100; 500 for $40 00.

BIG VALUE WHILE THEY LAST.

Order to-day.

JACKSON & PERKINS CO.,
NEWARK, NEW YORK.

LUDVIG MOSBAEK

ONARGA, ILL.

Asparagus Pl. Na. and Spreng., 2, 2½, 3 and 4 in., $2.00, $2.50, $5.00 and $8.00 per 100.

Ferns Boston, Piersoni and Anna Foster, 2¼, 3 and 4 in., $5.00, $6.00 and $12 00 per 100; 6-in., $4.00; 8-in., $10 00; 10-in., $20.00 per doz. Piersoni Elegantissima and Scottii, fine runners, $40.00 per 1000; Boston, $20 00 per 1000.

150,000 Cannas in 35 var. List mailed

50,000 Hardy Perennials Field and pot grown.

Please mention the American Florist when writing.

Rooted Rose Cuttings.

Strong well-rooted cuttings. Bride, Maid, Golden Gate, Chetenay, $1.50 per 100; $12.50 per 1000. Richmond, $2.00 per 100; $18.00 per 1000.

Asparagus Plumosus, 2¼, $3.00; 3-in., $5.00. Sprengeri, 3-in., $4.00.

W. H. GULLETT & SONS, Lincoln, Ill.

...ASPARAGUS...

Plumosus Nanus, 2-inch pots, $2.00 per 100
PANSY PLANTS, large flowering, $3.00 per 1000; 50c per 100.
CANNAS, dry bulbs, 10 varieties, $3.00 per 100. Cash.

JOS. H. CUNNINGHAM, Delaware, O.

Up to Date Directory

Giving all the Country's { Florists, Seedsmen, Nurserymen

PRICE $2.00.

Saves Many Times
ITS PRICE.

$2.00

Postpaid to any address.

THE AMERICAN FLORIST COMPANY'S DIRECTORY saves many times its price to every one who catalogues or circularizes the trade. Fully revised to date of publication, it puts the mail only to live names, avoiding waste of postage and printed matter, time and labor.

Contains 476 pages, lists of Florists, Seedsmen and Nurserymen of the United States and Canada by states and towns, also alphabetically; firms that issue catalogues, foreign merchants, horticultural societies and much other up-to-date information which makes it a reference book of daily utility wherever a wholesale trade is done.

Published annually by the

American Florist Co.

324 Dearborn Street, CHICAGO.

FERNS, PALMS,

ARAUCARIA EXCEL.,

ASPIDISTRA,

Green and Variegated.

BAY TREES and PRIVET,

Fine, Strong Stock.

R. DREYER, WOODSIDE, L. I., N. Y.

ABUNDANCE

Rooted Cuttings of this Most Prolific White Carnation

Will be ready for delivery in January.

Price: $5.00 per 100; $40.00 per 1000.
250 at 1000 rate.
5 per cent discount for cash with order.

RUDOLPH FISCHER
Great Neck, L. I., N. Y.

MABELLE, New Pink Carnation for 1907.

Color—A peculiar shade of lovely pink, with a faint yellowish cast; several shades lighter than the Lawson Unlike most pinks, the brightest sun does not injure the color. Size—3 to 4 inches in diameter when established. Odor—Pleasing, but not strong. Stems—Invariably strong, but always graceful, ranging from 12 to 30 inches during the season. Habit, etc.—A very quick, active grower, making specimen plants in a short time, even from late cuttings On account of its rapid growth, requires supporting very soon after benching. Gets away rapidly, blooms early and gives long stems right from the start. Productiveness—Prodigious is the best word we know of to use here. It is the most incessant bloomer, early and late, we have ever grown. Stock limited. Delivery January 5 to 10 and later. Price, $12.00 per 100, $100.00 per 1000.

THE H. WEBER & SONS CO., Oakland, Md.

SCOTTII FERNS.

We still have a fine stock of this beautiful fern to offer. Fine big plants for 4-in. pots 10c; 5-in., 15c; 6-in., 25c. This is a fair sample of the many letters received daily: SAN ANTONIO, TEX.

W. W. Coles:—I was very much pleased with my shipment of ferns from you and their condition, so I send another order. F. C. SUCHEY.

Order quick. We need the room. Cash.

W. W. COLES, Kokomo, Ind.

SPECIALTIES.

ROSES, from 3-inch pots. **CHRYSANTHEMUMS.**
CARNATIONS, for fall delivery. **SMILAX. VIOLETS**
IN BEST VARIETIES.

Prices low. Send for list.

WOOD BROTHERS, Fishkill, N. Y.

GOV. HERRICK THE COMING VIOLET

One that produces three times as many flowers as any violet ever offered for sale. It will please you. Order at once. Prices: $2.00 per doz.; $10.00 per 100; $75.00 per 1000; 5,000 or more at $60.00 per 1000. Send for description today.

H. R. CARLTON, Willoughby, O.
PRODUCER and ORIGINATOR.

It is good business policy .....to mention the American Florist

When you write to an advertiser

Our New Illustrated Descriptive

GERANIUM

Catalogue is one of the most complete and handsomest that has ever been sent out; it contains descriptions of seventy-five of the best standard and newer sorts, and one hundred imported novelties from the best introducers in Europe. Sent free to the trade only, as we do strictly wholesale business. Please enclose business card.

R. Vincent, Jr. & Son, WHITE MARSH, MD.

PINK SPORT OF ENCHANTRESS

COLOR—Rose pink. **HABIT**—Identical with Enchantress.

PINK SPORT OF ENCHANTRESS will make a very desirable addition to your list of Carnations. Rooted Cuttings, per 100, $6.00. Rooted Cuttings, per 1000, $50.00. Send orders to

HOLTON & HUNKEL CO., Milwaukee, Wis.

Or to the Originator and Grower,

E. H. BLAMEUSER, Niles Center, Ill.

ROOTED CUTTINGS. Roses and Carnations.

ROSES.	Per 100	Per 1000
Bride	$1.50	$12.50
Bridesmaid	1.50	12.50
Chatenay	1.50	12.50
Richmond	1.50	12.50
Carnot	2.50	20.00
Kaiserin	2.50	20.00
Perle	2.50	20.00
American Beauty	3.00	25.00

CARNATIONS.	Per 100
Enchantress	$2.50
Bountiful	2.50
Wolcott	1.50
Lawson	1.50
Queen	1.50
Harlowarden	2.00

Our cuttings are all strong, healthy and well rooted. All cuttings shipped from Hinsdale.

BASSETT & WASHBURN,
Office: 76 Wabash Ave., Chicago. Greenhouses: Hinsdale, Ill.

Directory of Gardeners

—AND—

Estates Employing Gardeners

—IN THE—

UNITED STATES and CANADA.

Price $5, Cash With Order.

AMERICAN FLORIST CO. 324 DEARBORN ST., CHICAGO.

BEST ENGRAVINGS and ILLUSTRATIONS

—Of Every Description—

FOR CATALOGUES.

SEE OUR WORK IN THIS PAPER. SEND FOR ESTIMATES.

GLOBE ENGRAVING and ELECTROTYPE CO.
407-427 Dearborn St., CHICAGO.

The American Florist Company's Directory of Florists, Nurserymen and Seedsmen of the United States and Canada.

(Copyrighted and Title Trade-Mark Registered.)

DIRECTORY REVISION.

We are revising our **Trade Directory** of the **Florists, Nurserymen, Seedsmen,** etc., of the United States and Canada, and as there have been many changes in firm names and considerable extension of the area under glass, nursery grounds, etc., you would greatly oblige by filling out this sheet.

When was business established?.....

Whom did you succeed?.....

Are you a Florist?.....

Grower?.....*Retailer?*.....

*How many square feet under glass?**.....

Are you a Nurseryman?.....

Wholesale?.....*Retail?*.....

How many acres operated?.....

Are you a Seedsman?.....

Dealer?.....*Grower?*.....

What are your specialties?.....

.....

Firm name.....

Proprietor's name.....

Manager's name.....

Street.....

Postoffice.....*State*.....

* ☞ To ascertain the number of feet under glass in a given house, 12x145, multiply the length (145 feet) by the width (12 feet) and you have in that house 1,740 feet under glass, thus.....

145
12
1.740

Horticultural Supply Concerns.

We also list all lines of **Horticultural Supply Concerns,** such as manufacturers of

Greenhouse Building Materials, Boilers, Ventilators, Glass, Insecticides, Pots, Labels, Seed Bags, Fertilizers, Wire Designs, Tinfoil, Vases, Implements, Machinery, Sprayers, Seed Cases, Etc.

The specialties are also listed under these heads in the case of advertisers.

Advertising Rates.

Including Copy of New Edition.

Page (3½x6½ ins.)	$25.00
Half page (3½x3¼ ins.)	15.00
One-fourth page (3½x1⅝ ins.)	9.00

If there are any new firms or trade changes in your vicinity, please give the particulars here:

.....

.....

.....

☞ **PLEASE FILL IN THESE PARTICULARS AND MAIL THIS SHEET TO**

American Florist Company,

Directory Department. **324 Dearborn Street, CHICAGO.**

Detroit.

FLORISTS' CLUB MEETING.

H. Kope, in his practical and comprehensive paper, read at the last meeting of the Florists' Club, paid a high tribute to the originators of the valuable new varieties brought out from year to year. He thought the growers could well be guided in the selection of the varieties most suitable to grow, by the judgment of the flower buying public, as indicated by their choice when buying, or viewing them on exhibition. He cautioned growers against over production, and deprecated the present surplus of flowers, upon the market, especially of the poorer grades. A reduction in the number of varieties from the long list now grown by some was suggested, and the following were recommended for extended culture: George Kolb, Polly-Rose, Ivory, Adelia, Arline, Majestic, Jerome Jones, Maud Dean, A. J. Balfour, Wm. Duckham, Dr. Enguehard, R. Halliday, H. Hurrell, Major Bonnaffon, G. Pitcher, Yellow Jones, Nagoya and Golden Chadwick. At the conclusion of the reading of the paper the essayist was given a vote of thanks and a general discussion of the subject was taken up. Another member was added to the club's roll and the application of still another, to be voted upon at the next meeting, received.

At the show in the rooms of the Michigan Cut Flower Exchange, the principal exhibitors were as follows:—

The Park & Boulevard Commission of Detroit: A large collection of chrysanthemums and foliage plants; J. Breitmeyer's Sons: Thirty varieties of chrysanthemums, all of them splendid specimens. Exhibit of roses including Killarney, Liberty, American Beauty, Bride, Bridesmaid and Richmond; Harry Smith, gardener to Mrs. John S. Newberry, Grosse Pointe: Vase of chrysanthemums, 12 varieties; Robert Klagge, Mt. Clemens: La Detroit, Bridesmaid and Richmond roses; B. Schroeter: new carnation rose pink Enchantress; A. Von Boeselager, Mt. Clemens: Carnation Moonlight, vase of light rose pink sport of Lawson, and vase of seedling carnations, prominent among them being a large cerise pink and a good crimson; A. B. Louis, Pontiac, Michigan: Chrysanthemums, 15 varieties; Fred Pautke, Grosse Pointe, Michigan: Vase of 25 varieties chrysanthemums and vase of Enchantress carnations; Shore & Haigh, Evart, Michigan: Marie Louise violets; A. J. Stohelin, Sand Hill, Michigan: Collection of chrysanthemums including Dr. Enguehard, Arline and Mrs. Weeks: J. E. Smith, Wyandotte, Michigan: White seedling carnation Moonlight, chrysanthemums of his own production, also sweet peas; Chicago Carnation Co., Joliet, Ill.: Carnations, Aristocrat and Red Ridinghood; J. M. Dickson, Northville, Mich.: Chrysanthemums Chadwick and Bonnaffon; J. J. De Carteret: Vase of Chrysanthemums; Beard Bros.: Three vases chrysanthemums; The E. G. Hill Co., Richmond, Ind.: Chrysanthemums Golden Dome and a sport from Yellow Eaton, Mlle. Jeanne Rosette, a large pink, maturing best at Thanksgiving; and J. F. Sullivan: Collection of chrysanthemums.

J. F. S.

POT GROWN STOCK FOR EASTER FORCING

	Per doz.	Per 100
AZALEA MOLLIS, 15-18 in. high, 20-30 buds	$ 4 50	$35 00
AUCUBA JAPONICA, variegated, bushy plants, 2 feet high	5 00	
DEUTZIA Gracilis, 6-in. pot grown, only kind to force	1 50	12 00
" Lemoine, pot grown, for forcing	2 50	20 00
LILACS, Chas. X. Marie Legraye and Souv. de Louis Spath, bushy, pot grown, well set with buds	9 00	65 00
MAGNOLIA Halleana 2 feet with buds	$1 50 each	15 00
" Soulangeana, 4 feet with buds	1 75 each	18 00
RHODODENDRONS, all the best kinds and colors, in bushy, well shaped plants, and what is more important, every plant contains 10-15 well developed buds	1 25 each	12 00
HYBRID ROSES, all the best kinds, 2-year dormant		11 00
CRIMSON RAMBLER, extra select, 2-year-old, 3-4 feet canes		12 00
" " 3-year-old, 4-5 feet canes		15 00
FRAU KARL DRUSCHKE, the new white rose, strong 2-year-old, field-grown	2 00	15 00
AM. BEAUTY, strong dormant 2-year old	2 00	15 00
KAISERIN AUG. VICTORIA, strong dormant 2-year-old	2 00	15 00
BABY RAMBLER, strong dormant 2-year old	3 00	25 00
" " " 1-year-old	2 00	15 00
LA FRANCE, strong dormant 2-year-old	2 00	15 00
GRUSS AN TEPLITZ, strong dormant 2-year-old	2 00	15 00

MANETTI STOCKS for grafting: extra fine quality: sure to please.
French stock .....$1 50 per 100; $12 00 per 1000; $50 00 per 5000; $ 80 00 per 10000
English stock..... 2 00 " 15 00 " 60 00 " 100 00 "

VAUGHAN'S SEED STORE, 84-86 Randolph St., CHICAGO
14 Barclay St., NEW YORK.

Greenhouses and Nurseries: Western Springs, Ill.

SURPLUS STOCK

In Excellent Condition.

NEW YEAR, the time of balls and parties, is now on the programme. What will you use to decorate the tables and homes of your customers with? Take my advice and use (for a change) an

Araucaria Compacta Robusta or a Glauca

(the size and kind I grow). You will be surprised at the effect that it will make on the table or wherever it is placed. The plants I have are as perfect as nature could produce. The brush of an artist could not paint them any better, and prices are cheap. Just look:

6 to 7 in. pots, 4, 5 to 6 years old, 4, 5 to 6 tiers, 25 to 30 in. high and wide, $1.50, $1.75, $2.00 to $2.50 each.

EXCELSA GLAUCA, 5 years old, 7-in. pots, specimen plants, 6 to 7 tiers, 30 to 35 in. high and wide (you never saw anything better in your life than these are), $2.00, $2.50 to $3.00 each; 6-in. pots, 3 years old, 3, 4 to 5 tiers, 16 to 20 in. high and wide, $1.00 to $1.25 each.

ARAUCARIA EXCELSA, 6-in. pots, 5, 6 to 7 tiers, 4 years old, 25 to 30 in. high, $1.00, $1.25 to $1.50.

KENTIA FORSTERIANA, 7-in. pots, made-up plants, 1 large size, about 45 to 48 in. high in the center, and 3 smaller sizes, 25 x 30 in. high around, which gives them a good appearance, $2.00 to $2.50 each; 6-in. pots, single plants, 36 to 45 in. high, 5 to 6 good leaves, 4 years old, $1.25, $1.50 to $1.75 each; 6-in. pots, 32 to 36 in. high, 5 to 6 good leaves, 4 years old, $1.00 each; 5½ to 6 in. pots, 4 years old, 30 in. high, 5 good leaves, 4 years old, 75c.

DRACAENA BRUANTI, (imported), 30 in. high, full of green, waxy foliage from top to bottom: the only Dracaena for parlor, store or house culture, that can stand heat, dust and dirt; 6-in. pots, 50c, $5.00 per doz.

BOSTON FERNS, 7-in., very bushy, only 75c; 6-in., 50c or $5.00 per doz.; 5-in., 30c to 35c; 4-in., 20c

NEPHROLEPIS SCOTTII, 8-in., as big as a washtub, worth $3.00, now $1.50; 7-in., as big as a bushel basket, worth $1.50, now 75c to $1.00; 6-in., 50c; 5¼-in., 40c; 5-in., 30c to 35c; 4-in., 20c to 25c.

NEPHROLEPIS BARROWSII, 7 in. pots, as big as a bushel basket, 75c to $1.00 each; 6-in. pots, large, ready for 7-in., 50c; 5½-in., 40c; 5-in., 35c; 4-in., 25c.

MAIDENHAIR FERNS, 6-in. pots, 40c.

AZALEAS, in bloom and bud, Simon Mardner, double pink; Vervæneana double rose variegated; Deutsche Perle, double white, 75c, $1.00, $1.25 to $1.50 each.

CASH WITH ORDER. All plants must travel on **purchaser's risk only.**

When ordering, say whether the plants should be shipped in the pots or not.

GODFREY ASCHMANN,

Importer and Wholesale Grower of Pot Plants.

1012 Ontario St., PHILADELPHIA, PA.

Always mention the American Florist when you order stock.

Queen Beatrice Rose.

Four to one shot. Four times as many flowers as Maid.

F. H. KRAMER, 916 F St., WASHINGTON, D. C.

Please mention the American Florist when writing.

White Enchantress Carnation

White Sport of Enchantress.

ROOTED CUTTINGS—$12 per 100; $100 per 1000.

E. SCHRADER,

NEW SPRINGVILLE, Richmond Borough. **New York**

Please mention the American Florist when writing.

"VICTORY"

The best scarlet carnation ever introduced to the trade. It has given universal satisfaction everywhere. We have them in quantity: December 1, or later, delivery. **$6.00** per 100; **$50.00** per 1000.

JENSEN & DEKEMA,

674 W. Foster Ave., CHICAGO.

Please mention the American Florist when writing.

CHRYSANTHEMUMS.

All Varieties to Suit Everybody.

See bargain offer in issue of Dec. 15th.

Send for Preliminary List.

NATHAN SMITH & SON, Adrian, Mich.

Please mention the American Florist when writing.

CHRYSANTHEMUM

STOCK PLANTS.

	Per doz.	100
Morton F. Plant (Totty's new pink)	$3 00	$20.00
Jeanne Nonin (best late white)	1.00	8.00

HENRY I. FAUST, Merion Station, Pa.

ORCHIDS

Now is the time to place your order for freshly imported Orchids delivered next spring. Our facilities for handling large consignments are second to none. Prices are very low, quality considered. Fine stock of established Orchids on hand.

CARILLO & BALDWIN, Secaucus, N. J.

The Whilldin Pottery Co.

STANDARD FLOWER POTS

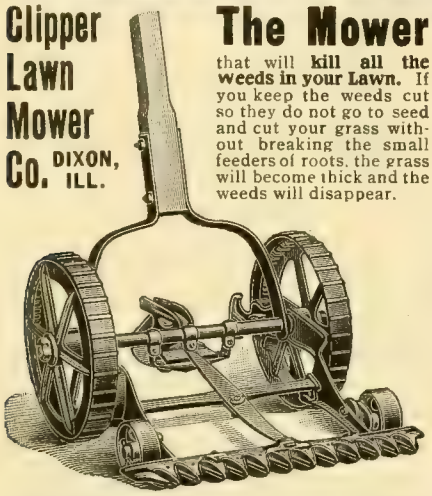
Our output of Flower Pots is larger than any concern in the World
Our Stock is always Large and Complete

Main Office and Factory,
713 WHARTON STREET, PHILADELPHIA
WAREHOUSES: JERSEY CITY, N. J. LONG ISLAND CITY, N. Y.

POT MAKERS FOR 140 YEARS
A. H. HEWS & CO. INC.
CAMBRIDGE, MASS.
FLORIST WARE OF EVERY KIND

Clipper Lawn Mower Co. DIXON, ILL.

The Mower that will **kill all the weeds in your Lawn.** If you keep the weeds cut so they do not go to seed and cut your grass without breaking the small feeders of roots, the grass will become thick and the weeds will disappear.



The Clipper will do it. Ask your dealer for them. If they have not got them, below is the price: No. 1—12-inch Mower $5; No. 2—15-inch Mower, $6; No. 3—18-inch Mower, $7; No. 4—21-in. Mower, $8. Send draft money-order or reg. letter.

THE KELLER POTTERY COMPANY,

Manufacturers of **FLORISTS' RED STANDARD POTS.**
Azalea Pots, Bulb and Fern Pans, Etc.
Write for Price List. 213-15-17-19-21-23 Pearl St., NORRISTOWN, PA.

IONIA POTS.

STRONG POROUS DURABLE

In potting you will appreciate their smooth, well rounded edges. And this is but one of the many reasons why **IONIA POTS**, by superior merit alone have won a lasting place in the hearts of all our patrons. Remember us with your next order.

IONIA POTTERY COMPANY, Ionia, Mich.

TWIN CITY POTTERY MFG. CO.,

Successors to J. G. Swahn's Sons,
—— MANUFACTURERS OF ——
Garden Vases, Flower Pots, Hanging Baskets.
Let us figure on your needs
Both telephones 2406 Marshall Street, N. E., MINNEAPOLIS, MINN

THE BEST Bug Killer and Bloom Saver.

For **PROOF** Write to

P. R. PALETHORPE COMPANY,
LOUISVILLE, KY.

Standard Flower Pots!

Packed in small crates, easy to handle.

	Price per crate		Price per crate
1500 2-in., in crate,	$4 88	120 7-in., in crate,	$4 20
1500 2¼ "	5.25	60 8 "	3.00
1500 2½ "	6.00	HAND MADE.	
1000 3 "	5.00	48 9-in., in crate,	$3.60
800 3½ "	5.80	48 10 "	4.80
500 4 "	4.50	24 11 "	3.60
320 5 "	4 51	24 12 "	4.80
144 6 "	3.16	12 14 "	4.80
		6 16 "	4.50

Seed pans, same price as pots. Send for price list Cylinders for Cut Flowers, Hanging Baskets, Lawn vases, etc. Ten per cent off for cash with order. Address
HILFINGER BROS. POTTERY, Fort Edward, N. Y
or AUGUST ROLKER & SONS, New York Agents, 31 Barclay Street, New York City.

GEO. KELLER & SON,
MANUFACTURERS OF
FLOWER POTS.
Before buying write for prices.
361-363 Herndon Street, near Wrightwood Ave., CHICAGO, ILL.

Kramer's Pot Hangers

For Sale by Wholesale Seedsmen, Florists and Supply Dealers.
Price, $1.00 per dozen by express. Sample dozen by mail, $1.25.
L. N. Kramer & Son, CEDAR RAPIDS, IOWA.

Those Red Pots

"STANDARDS"
FULL SIZE AND WIDE BOTTOMS, BULB PANS AND AZALEA POTS.
DETROIT FLOWER POT M'F'Y.
HARRY BALSLEY, Rep. DETROIT, MICH. 490 Howard St.

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

L. BAUMANN & CO.,

Importers and Manufacturers of
Florists' Supplies
76-78 Wabash Ave., CHICAGO.
Write for our New Catalogue F. Our prices may interest you.

Red Standard Flower Pots

Price list and samples on application.
PADUCAH POTTERY CO., Inc.
PADUCAH, KENTUCKY.

FOR SALE

GLASS New American 50 sq. ft. to the box, 10x12 single $1.75 per box; 10x12, 12x12, 10x15, double, $2 55 per box; 12x14, 12x20. 14x14, 14x20, double, $2.70 per box; 16x16, 16x18, double. $2.90 per box; 16x24, double, $3 15 per box; 16x20 and 16x22, $3 00 per box. Secondhand, 8x12, single, at $1.50 per box; 10x14, old, doub.e, $1.75; 8x14, old, double, $1.65.

GARDEN HOSE New, ¾-in, guaranteed 100-lbs pressure, 7½c. per ft; ¾-in. not guaranteed, 4¾c. per ft.

HOT-BED SASH New Cypress. 3ft.x6ft. from 75cts. up; glazed, complete, from $1.60 up; Second-hand in good condition, all glass in, at $1.25 and $1.00 each.

PIPE Good serviceable second-hand. with threads; 2-inch, 7 cts.; 1½-inch, 5½ cts; 1¼-inch, 4cts.; 1-inch, 3cts-; 2½-inch, 10cts; 3-inch, 14cts.; 4-inch, 19cts. New 2-inch, Standard, full lengths. with couplings, 8½cts. per ft. Old and new fittings and valves.

Get Our Prices on

Boilers, Pumps. Stillson Wrenches, Stocks and Dies, Pipe Cutters, Pipe Vises, Cypress Material, Etc.

METROPOLITAN MATERIAL CO.

1398-1408 Metropolitan Avenue, BROOKLYN, N.Y

SPECIAL

Greenhouse Glass

Write for prices.

G. F. REYNOLDS, Durhamville, N. Y.

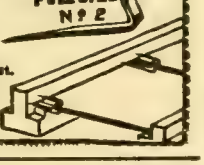
STENZEL GLASS CO.,

GREENHOUSE GLASS.

French and American "WHITE ROSE" Brand.

2 Hudson St., NEW YORK.

Holds Glass Firmly
See the Point
PEERLESS
Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
HENRY A. DREER, 714 Chestnut St., Phila., Pa.



RHODES DOUBLE CUT PRUNING SHEAR

Cuts from both sides of limb and does not bruise the bark. We pay Express charges on all orders. Write for circular and prices.

Dept. 3. GRAND RAPIDS, MICH.

EVANS' IMPROVED CHALLENGE VENTILATING APPARATUS

WRITE FOR ILLUSTRATED CATALOGUE

QUAKER CITY MACHINE WORKS, RICHMOND, IND

Gold Fish Aquaria

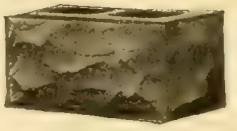
and Aquarium Supplies.

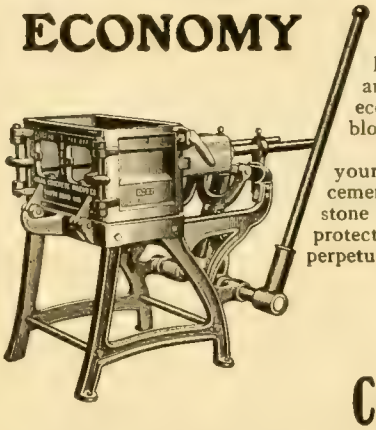
Write for catalogue.

FRED KAEMPFER

88 State Street, CHICAGO, ILL.

FROST-PROOF ECONOMY





Ideal Hollow Concrete Block construction will protect your greenhouse from frost and secure greatest economy in fuel. The illustration of hollow block explains it's resistance to frost.

With the Ideal Concrete Machine you can yourself make these blocks from sand, gravel and cement at little cost—far below the cost of brick, stone or lumber. Ideal Blocks not only give frost protection, but are absolutely fire-proof, and effect a perpetual saving in insurance.

IDEAL Concrete Machines

May be operated by any man without previous experience. The process of making blocks is simple as making mortar, Blocks for every building purpose, with plain, tooled, ornamental face or natural stone effect made with the same machine. Simple, durable and adaptable to any size block within capacity.

Our catalogue will show you how to secure frost protection and fuel economy, as well as initial saving over cost of other materials. Write for it and it's freely yours.

IDEAL CONCRETE MACHINERY CO., Dept. Y, South Bend, Ind.

W. H. C. MUSSEN & CO., Montreal, Canada, Sole Agents for Canada.

You Know We Moved to 125 N. 10th St.,
into our large building. We can supply you with all

SEASONABLE GOODS

Such as **Cycas, Magnolia Wreaths, Bells, Immortelles, Etc.**

—Keep your "I" on the Enterprising Supply House of—

J. STERN & CO., 125 N. 10th St., PHILADELPHIA, PA.

Please mention the American Florist when writing.

The James H. Rice Co.

IMPORTERS and JOBBERS

GREENHOUSE GLASS

A SPECIALTY.

Window Glass, Paint, Putty, etc.

Office and Warehouse: Corner of Michigan, St. Clair and Illinois Streets, CHICAGO.

GLASS

GOOD BRANDS.
QUICK SHIPMENTS.
LARGE STOCK.

Warehouse on railroad switch. **Be Sure and Get Our Prices.**

SHARP, PARTRIDGE & CO.,
22nd and Lumber Sts., CHICAGO.

Carman's Antipest

INSECTICIDE AND FUNGICIDE

For the Garden, Orchard and Greenhouse.

Non-poisonous and harmless to vegetation.

Kills Green Fly, Aphides, Bark Lice, Thrip, Mealy Bug, Red Spider, Scale, Wire Worms, Ants and Slugs.

This is the Grower's Friend, handy to use, cheap and effective, mixes readily in water. Destroys all insect pests and keeps down filth. Circulars on application. **$1.50 per gallon.** Also in quarts, half gallons and in bulk.

PERFECTION CHEMICAL CO., FLUSHING, N. Y.

RIBBONS—SPECIALTIES

Our **VIOLET TIES** are new and original. They combine simplicity, grace and beauty. Write for sample.

WILLIAM B. LAKE, 2535 N. 34th St., PHILADELPHIA, PA.

H. M. HOOKER CO.

Window Glass, Paints and Putty. Greenhouse Glass a Specialty.

59 W. Randolph St., CHICAGO.

Index to Advertisers.

Adv rates.....1098
Advance Co The... III
Allen J K 1109
Alpha Floral Co....1111
Aming E C.....1104
AndorraNurseries..1115
Appel Conrad.....1113
Aschmann Godfrey.1121
Atlanta Floral Co..1111
Barrows Henry&Son 1107
Bassett &Washburn. 1104 1119
Baumann L & Co...1122
Beaven E A.....1103
Beckert W C.....1113
Bell & Bieberstedt.1112
Benthey-Coatsworth Co.....1104
Berckmans P J Co..1115
Berning H G. ... 1107
Bertermann BrosCo1110
Blackistone Z D....1111
Blameuser E H....1119
Boddington A T ...1113
Boland J B Co.....1111
Brant S D.....1111
Breitmeyer's J Sons1110
Bruns H N II
BudlongJ A.....1104
Burpee W A & Co..1113
Byer Bros.....1116
Caldwell the Woodsman Co.....1103
Carillo & Baldwin..1121
Carlton H R.....1119
Carmody J D.....1132
ChicagoCarnationCo I
Chicago House Wrecking Co.....1132
Cleveland CutFloCo1111
ClipperLawnMower Co.....1122
Coles W. W.....1119
Conard & Jones Co.1117
Cooke Geo H.....1110
Cotsonas Geo & Co.1109
Cottage gardens....1115
Cowee W J.....1124
Craig Robert Co....1107
Cross Eli.....1103
Cunningham Jos H.1117
Daniels & Fisher...1110
Davis Bros 1107
Deamud J B Co....1105
DetroitFloPotMfy..1122
Dietsch A Co..... III
Diller Caskey & Co.1132
Dillon J L.....1117
Dingee&ConardCo.1117
Donohoe W·H.....1110
Dorner F & SonsCo I
Dreer H A.....1102 1123
Dreyer R.....1119
Dumont & Co.....1103
Dunford J W.....1111
Eberman C W.....1109
EdwardsFold'gBox.1122
Elliott Wm H.....1107
Emmans Geo M....1111
Eyers H G.....1111
Faust Henry J..... 1121
Fellouris A J 1109
Fischer R.....1119
Florists'HailAss'n..1124
Flower Growers Co.1104
Foley Mfg Co.....1132
Ford Bros.....1109
For Sale and Rent..1099
Froment H E 1109
Galvin ThosF.....1106
Garland Geo M..... III
Garnsey M V..... III
Giblin & Co..... IV
Globe Eng Co.....1119
Gude A & Bro.....1110
Gullett W H &Sons1117
Gundestrup K & Co II
Gurney Heater Co. IV
Guttman Alex J....1109
Guttman & Weber.1108
Haines John E 1117
Hansen Mrs M A...1110
Harrington The H Co.....1111
Hartman Hjalmar..1113
Hauswirth P J.....1110
Heller & Co.....1113
Henshaw A M.....1109
Herbert D & Son.. 1103
Herr Albert M.....1103
Herrmann A.....1124
Hess & Swoboda...1110
Hews A H & Co....1122
Hilfinger Bros.....1122
Hill The E G Co.... I
Hippard E.....1124
Hitchings & Co... IV
Holm &Olson.....1110
Holton& Hunkel Co1107
Hooker H M Co....1123
Hort Advertiser 1131
Hort Trade Journal.1131
Hunt E H.....1104
Ideal Concrete Mch Co.....1123
Igoe Bros..... III
Ionia Pottery Co ...1122
Isbell S M & Co..... II
Jackson&PerkinsCo 1115 1117
Janesville Floral Co1116
Jensen & Dekema..1121
Johnston HeatingCo1131
Journal Des Roses..1132
Kaempfer Fred....1123
Kasting W F..... I
Keller Geo & Son..1122
Keller J B & Sons..1111
Keller Pottery Co..1122
Kellogg Geo M.....1110
Kennicott Bros Co.1104
Kervan Co The.....1107
Kessler P.....1109
KingConstructionCo111
Klehm's Nursery ..1115
KramerF H.....1121
Kramer I N & Son .1122
Kroeschell Bros Co1122
Kuehn C A.....1107
Lager & Hurrell....1109
Lake Wm B.....1123
Lange A.....1110
Langjahr A H.....1109
Lecakes N & Co....1109
Leedle Floral Co...1115
Lilly Chas H & Co 1113
Livingston Seed Co. 1110 1131
Lord & Burnham Co IV
Matthews. Florist..1111
McCullough's J M Sons Co.....1107
McKellar Chas W..1104
McKissick W E....1107
May H B & Sons... II
Mayberry & Hoover1110
Metropolitan Mat Co.....1123
Mich Cut Flower Ex1103
Miller Theo.....1111
Mills the Florist....1110
Moninger J C Co....III
Moon The Wm HCo1115
Moore Hentz&Nash1109
Morse C C & Co....1113
Morehead Mfg Co..1124
Mosbaek L.....1117
Murdoch J B & Co .1107
Murray Samuel.....1110
Myers & Co..... III
Natl FloBd ofTrade1131
N Y Cut Flower Ex 1109
Nicotine Mfg Co....1131
Niessen Leo Co 1107
Niuffer C M.....1115
Olbertz J.....1131
Pacific Seed Co..... II
Paducah Pottery ...1122
Palethorpe P R Co.1122
Palmer W J & Son.1110
Park Floral Co.....1110
Pennock Meehan Co1106
PerennialGardensCo 1115
Perfection Chem Co1123
Peterson's Nursery.1115
Pieters A J seed Co1113
Pierson F R..... I
Pierson U Bar Co... III
PittsburgCut Flo Co1103
Pittsburg Florist Ex1107
Poehlmann Bros Co1104
Pollworth C C Co 1101 1110
PulverizdManureCo1131
Quaker City Machine Works.....1123
Randall A L Co....1111
Rawson W W & Co. II
Raynor J I.....1109
Ready reference....1125
Regan Print House. III
Reinberg Peter.....1100
Rhodes MfgCo.....1123
Rice Bros.....1102
Rice James H Co...1123
Roehrs Julius Co....1109
Rising—Dunscomb Co.....1111
Robinson H M & Co. 1102 1103
Sander & Son 1109
Satler L L Lumb'r Co1132
Scharff Bros.....1117
Scheiden & Schoos.1104
Scheepers John&Co1113
Scherer John P.....1109
Schillo Adam.....1124
Schrader E.....1121
Schultheis Anton...1116
Schulz Jacob.....1111
Seligman Jno.....1109
SharpPartridge&Co1123
Sheridan W F.....1109
ShippensburgFloCo1116
Siebert Co..... III
Sinner Bros. 1104
Skidelsky S S.....1107
Smith Wm C.....1107
Smith Nathan &Son1121
Smith W & T Co..... I
Smits Jacs.....1115
Standard Pump & Engine Co..... IV
Staer J.....1113
Stearns Lumber Co IV
Stenzel Glass Co...1123
Stern J & Co.....1123
Stokes Seed Store..1113
Stoothoff H A & Co1132
Storrs &Harrison Co1115
Styer J J.....1113
Syracuse Pottery Co1122
Taylor F G Seed Co II
Thompson J D Carnation Co..... I
Texas Seed& FloCo1113
Thorburn J M & Co II
Totty Chas H 1109
Tr'ndley&Schenck.1109
Twin City Pottery Mfg Co.....1122
VanHoutte PereSons 1117
Vaughan & Sperry..1104
Vaughan's Seed Store .....I II 1111
Vick's Sons Jas..... II
Vincent R Jr & Son. 1113 1119
Virgin U J.....1110
Wanzer EF.....1116
Ware Thos S.....1115
Weber F C.....1110
Weber H & Sons...1119
Weeber & Don..... II
Weiland & Risch...1104
Welch Bros.....1107
Whilldin Pot Co....1122
Wiboltt R.....1112
Wietor Bros...1103 1104
Wild Gilbert H.....1115
Wilson Andrew III
Wilson Robt G.....1110
WintersonEF Co....1103
WittboldGeo Co1104 1117
Wood Bros.....1119
Youngs 1111
Young A L & Co...1109
Young Thos.....1109
Zech & Mann.....1104

Have You Steam Heating Troubles?

Are you able to keep an even temperature in your greenhouse?

THE MOREHEAD TRAP

will remedy all your heating troubles. Write us,

MOREHEAD MFG. CO,

1047 Grand River Ave., DETROIT, MICH.

THE STANDARD

VENTILATING MACHINERY

The original machine with self-oiling cups. The most powerful, least complicated, very compact, with ease of operation.

The New Duplex Gutter

Over six miles in use and highly recommended by all. The only **Drip Proof** gutter on the market.

The Standard Return Steam Trap

It has no equsls for simplicity or its working. Catalogue free.

E. HIPPARD, Youngstown, Ohio.

—THE—

Florists' Hail Association

Insures over 23,000,000 square feet of glass, for particulars address

JOHN G. ESLER, Sec'y, SADDLE RIVER, N. J.

A. HERRMANN,

Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florists' Supplies.

—SEND FOR PRICES—

404-412 East 34th St., NEW YORK.

PAID UP....

Subscriptions Show That Readers Like the Paper.

LUMBER

for Greenhouse Benches, Ship Lap, Drop Siding, Sheathing, Flooring, White Cedar Posts, Etc.

We are in special position to furnish **"PECKY CYPRESS"** everything in **PINE** and **HEMLOCK BUILDING LUMBER.** WRITE FOR PRICES.

Adam Schillo Lumber Co. Cor. Weed and Hawthorn St., CHICAGO. Tel. North 1626 and 1627.

Wired Toothpicks

10,000, $1.50; 50,000, $6.25. Manufactured by

W. J. COWEE, BERLIN, N. Y.

Sample free. For sale by dealers.

AMERICAN FLORIST ADVERTISING RATES.

Our advertising rates are 4s 2d per inch, single column width, £6 3s 3d per page of thirty inches, with discounts on consecutive insertions as follows:

6 insertions..... 5 per cent. 26 insertions.....20 per cent.
13 insertions.....10 per cent. 52 insertions.....30 per cent.

Space on front pages and back cover page is sold only on yearly contract at 4s 2d per inch net. Remit by foreign postoffice money order.

ANZEIGERATEN DES AMERICAN FLORIST.

Unsere Anzeigeraten sind: für den Zoll der einzelnen Spalte, $1.00 (M. 4.17); für die Seite, 30 Zoll, $30 (M. 125). Bei mehrmaligen Einrückungen werden Diskontoraten gewährt, wie folgt:

6 Einrückungen..... 5%; 26 Einrückungen.....20%;
13 Einrückungen.....10%; 52 Einrückungen.....30%

Raum auf den vorderen Seiten und auf der Rückseite des Umschlages wird nur in Jahreskontrakten und zu $1.00 (M. 4.17) den Zoll netto abgegeben. Zahlungen sind mittels Postanweisung erbeten.

TAUX D'ANNONCES DANS L'AMERICAN FLORIST.

Nos taux d'annonces sont $1.00 (Frs. 5-15) par pouce, largeur simple colonne, $30.00 (Frs. 154-50) par page de trente pouces avec escomptes sur les insertions consécutives, comme suit:

6 insertions.....5 pour cent. 26 insertions.....20 pour cent.
13 insertions.....10 pour cent. 52 insertions.....30 pour cent.

La place occupée par des annonces sur la première et la dernière couverture ne s'accorde que par contrat annuel au taux de $1.00 (Frs. 5-15), net, par pouce. Faites remise par Mandat-poste International.

Ready Reference Advertising.

ADVERTISEMENTS IN THIS DEPARTMENT 10 CENTS PER LINE, CASH WITH ORDER. COPY MUST REACH US MONDAY OF THE WEEK IN WHICH IT IS TO APPEAR

AGERATUMS.

Ageratum, Gurney and Pauline, R. C., 60c per 100, prepaid. Shippensburg Floral Co., Shippensburg, Pa.

Ageratums, leading vars., R. C., 60c. Byer Bros., Chambersburg, Pa.

AMPELOPSIS.

Ampelopsis Veitchii, 2-yr., field-grown, $6 per 100; $55 per 1,000. Dingee & Conard Co., West Grove, Pa.

ARAUCARIAS.

Araucarias, 6 and 7-in., 4, 5 and 6 tiers, 25 to 30 ins. high, $1.50, $1.75, $2 and $2.50 each. Excelsa glauca, 7-in., specimens, 6 to 7 trs., 30 to 35 ins. high, $2, $2.50 and $3 each; 6-in., 3, 4 and 5 trs., 16 to 20 ins., $1 and $1.25 each. G. Aschmann, 1012 Ontario St., Philadelphia.

Araucaria excelsa, 6-in., 3 to 4 tiers, $1 each; $12 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Araucaria excelsa, 16 to 18 ins., 4 to 5 tiers, 50c each; $5 per doz. The Conard & Jones Co., West Grove, Pa.

Araucaria excelsa. R. Dreyer, Woodside, L. I., N. Y.

Araucarias. L. Van Houtte Pere, Ghent, Belgium.

ASPARAGUS.

Asparagus plumosus, 2-in., $3 per 100; 3-in., $6. Sprengeri, 2-in., $3 per 100; 3-in., $6; 4-in., $1.25 per doz.; 5-in., $2. George Wittbold Co., 1657 Buckingham, Pl., Chicago.

Asparagus plumosus nanus, 15,000 fine young plants from 2¼-in. pots, worth $3, to close out, $1.50 per 100; $15 per 1,000. The W. T. Buckley Co., Springfield, Ill.

Asparagus plumosus and Sprengeri, 2, 2½, 3 and 4-in., $2, $2.50, $5, $8 per 100. Ludvig Mosbaek, Onarga, Ill.

Asparagus plumosus, 2¼-in., $3; 3-in., $5. Sprengeri, 3-in., $4. W. H. Gullett & Sons, Lincoln, Ill.

Asparagus plumosus, 3-in., $5 per 100. Sprengeri, 3½-in., $6 per 100. Scharff Bros., Van Wert, O.

Asparagus plumosus, 3-in., $5 per 100. Sprengeri, 2½-in., $2.50 per 100. E. T. Wanzer, Wheaton, Ill.

Asparagus plumosus, 2-in., $2 per 100. Jos. H. Cunningham, Delaware, Ohio.

Asparagus plumosus, 4-in., $10 per 100. H. Harrington Co., Vashon, Wash.

Asparagus Commorensis, 2-in., $4 per 100; $35 per 1,000. J. F. Wilcox, Council Bluffs, Iowa.

Asparagus Sprengeri, 2-in., $2.50 per 100; plumosus, 2-in., $3 per 100; 3-in., $5 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus Sprengeri and plumosus. 2½-in., $4 per 100. Dingee & Conard Co., West Grove, Pa.

Asparagus Sprengeri, 2½-in., $3 per 100; $25 per 1,000. J. W. Dunford, Clayton, Mo.

AUCUBAS.

Aucuba Japonica, 10-in., 3 ft., $1.50 each. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Aucuba Japonica, Var., 2 ft. high, $5 per doz. Vaughan's Seed Store, Chicago and New York.

AZALEAS.

Azalea indica, Mme. Van der Cruyssen, Prof. Walters, Empress of India, Helen Thielman, Simon Mardner, 12 to 14-in. crowns, $45 per 100; 14 to 16-in., $55 per 100; 16 to 18-in., $90 per 100. Azalea mollis, 12 to 15 ins. high, $25 per 100; 15 to 18 ins., $35 per 100. Storrs & Harrison Co., Painesville, O.

Azealeas, assorted vars., 8 to 10-in. crowns, $3.25 per doz.; $25 per 100; 10 to 12-in., $4.50 per doz.; $35 per 100; 12 to 14-in., $6 per doz.; $45 per 100; 14 to 16-in., $7 per doz.; $55 per 100; 16 to 18-in., $12 per doz.; $90 per 100. Deutsche Perle, Empress of India, Bernard Andreas Alba, Simon Mardner, Mme. Van der Cruyssen, De Schryveriana. Niobe, Apollo, Emperor of Brazil, 18-in., diam., $18 per doz. Mme. C. van Langenhove, Empress of India, Simon Mardner, Niobe, Bernard Andreas Alba, Mme. Van der Cruyssen, 18 to 20-in. diam., $2 each. Mme. Van der Cruyssen, 20 to 22-in. diam., $2.50 each. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Azaleas, in bud and bloom, Simon Mardner, Vervæneana, Deutsche Perle, 75c, $1, $1.25 and $1.50 each. G. Aschmann, 1012 Ontario St., Philadelphia.

Azaleas. Cottage Gardens Co., Queens, L. I. N. Y.

Azaleas. L. Van Houtte Pere, Ghent, Belgium.

Azaleas. Jacs Smits, Ltd., Naarden, Holland.

BAY TREES.

Bay trees, fine stock. R. Dreyer, Woodside, L. I., N. Y.

Bay Trees. L. Van Houtte Pere, Ghent, Belgium.

BEGONIAS.

Rex begonias, asst., R. C., $1.25 per 100 prepaid. Shippensburg Floral Co., Shippensburg, Pa.

Begonia Rex, 2 and 2½-in., $5 per 100. Geo. M. Emmans, Newton, N. J.

Begonias, R. C., $1.50 per 100. S. D. Brant, Clay Center, Kans.

Rex begonias, 3-in., 8c. Byer Bros., Chambersburg, Pa.

Begonias. Thos. S. Ware, Ltd., Feltham, England.

Begonias. L. Van Houtte Pere, Ghent, Belgium.

BOXWOOD.

Boxwoods, pyramids in tubs, 3 ft., $4 each; 4 ft., $5 each; bush form, 4 ft., $5 each; 1 ft., 35c each, $4.20 per doz., 1½ ft., 50c each. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Boxwood, 12 to 20 ins., 75c per pair; 24 ins., $1 per pair. Pyramids, 3 ft., $2.50 to $3 per pair; 4 ft., $3 to $4; 4 ft. 6 ins., $5; 5 ft., $7. A. Schultheis, College Point, N. Y.

BULBS, ROOTS, TUBERS.

Bulbs, Dutch hyacinths, about $2 per 100; Baron Von Thuyll, Czar Peter, Mme. Van der Hoop, Chas. Dickens, Grand Maitre. Single hyacinths, separate colors, $2.75 per 100; White and blush rose. Double hyacinths, sep. colors, $2.75 per 100; rose, pure white, white and blush. Narcissus, Incomparable, Orange Phoenix, Empress, Grand Primo, Soleil d'Or, Ard Righ. Tulips, from 1,500 to 3,000 of each. Mon. Tresor, Thos. Moore, Rose Gris de Lin, Vaughan's New Pink, Rosa Mundi, Crimson King, Princess Marie Ann, Pottebakker, Belle Alliance, Proserpine, Dusart, gold striped and scarlet; Rembrandt, Gold Finch, single late mixed; double named; Murillo, Tournesol, red and yellow, Crown d'Or, Imperator Rubrorum, Rosine, Rose Blanche, dbl. early extra mixed, dbl early fine mixed, dbl. extra late mixed. Vaughan's Seed Store, Chicago and New York.

Bulbs, L. Longiflorum, 6 to 8 ins., $3 per 100; $27 per 1,000; 7 to 9 ins., $5 per 100; $45 per 1,000; Multiflorum, 6 to 8 ins., $3 per 100; $28 per 1,000; 7 to 9 ins., $5.50 per 100; $50 per 1,000. Lily of the valley pips. J. M. Thorburn & Co., 33 Barclay St., New York.

Sparaxis, $3.50 per 1,000. Ixias, mix., $2.50 per 1,000. Oxalis (Bermuda buttercup) $6 per 1,000. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Bulbs, Narcissus Empress and Henry Irving, Candidum lilies. E. F. Winterson Co., 45 Wabash Ave., Chicago.

Bulbs, gladiolus, mixed, 60c per 100; $5 per 1,000. Geo. M. Emmans, Newton, N. J.

Bulbs of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Bulbs of all kinds, valley. John Scheepers & Co., New York.

Cannas, 40 leading vars., $10 per 1,000 and upwards. Dingee & Conard Co., West Grove, Pa.

150,000 cannas, 35 leading varieties. Ludvig Mosbaek, Onarga, Ill.

Cannas, 10 varieties, $3 per 100. Jos. H. Cunningham, Delaware, O.

Cannas. Thos. S. Ware, Ltd., Feltham, England.

Cannas, 300,000 roots of 50 best vars. Conard & Jones Co., West Grove, Pa.

Lily of the valley, pips for forcing, $1.50 per 100; $14 per 1,000. H. N. Bruns, 1409 W. Madison St., Chicago.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

CARNATIONS.

Carnation cuttings, Mrs. Lawson, $1.50 per 100; $12 per 1000. Lady Bountiful, $2.50 per 100; $20 per 1000. Cardinal, $3 per 100; $25 per 1000. White Lawson, President, Lieut. Peary, $2.50 per 100; $20 per 1000. White Perfection Victory, Robt. Craig, Ellen Goddard, $6 per 100; $50 per 1000. Estelle, Morning Glory, $2 per 100; $15 per 1000. Enchantress, $2 per 100; $18 per 1000. Glazonier, $1.75 per 100; $14 per 1000. Eli Cross, Grand Rapids, Mich.

Carnations, Beacon, cuttings, $12 per 100; $100 per 1000. Rose Pink Enchantress, $7 per 100; $60 per 1000. Red Chief, Winsor, Bonnie Maid, $12 per 100; $100 per 1000. Aristocrat, $12 per 100; $100 per 1000. White Perfection, Candace, Melody, Victory, Robt. Craig, $6 per 100; $50 per 1000. Vaughan's Seed Store, Chicago and New York.

Carnations, rooted cuttings, Victory, $6 per 100; $50 per 1,000. Enchantress, $2 per 100; $18 per 1,000. W. Lawson, L. Bountiful, $3 per 100; $25 per 1,000. B. Market, P. Lawson, $1.50 per 100; $12.50 per 1,000. Nelson, $2 per 100; $15 per 1,000. E. T. Wanzer, Wheaton, Ill.

Carnations, rooted cuttings, guaranteed, Enchantress, $2 per 100; $18 per 1000. Bountiful, $2 per 100; $18 per 1000. Estelle, $1.80 per 100; $15 per 1000. Cash with order. Blanksma Bros,. Grand Rapids, Mich.

Carnations, rooted cuttings. Red Chief, Bonnie Maid, Aristocrat, $12 per 100; $100 per 1,000. Rose Pink Enchantress, $7 per 100; $60 per 1,000; White Perfection, $6 per 100; $50 per 1,000. F. Dorner & Sons Co., La Fayette, Ind.

Carnations, Rose Pink Enchantress, rooted cuttings, $7 per 100; $60 per 1,000. S. S. Skidelsky, 824 No. 24th St., Philadelphia.

Carnations, rooted cuttings, Enchantress, Bountiful, $2.50 per 100. Wolcott, Lawson, Queen, $1.50 per 100. Harlowarden, $2 per 100. Bassett & Washburn, 76 Wabash Ave., Chicago.

Carnations, rooted cuttings, Lawson, Boston Market, Sports, $1.25 per 100; $10 per 1000. Enchantress, $2 per 100; $15 per 1000. W. F. Dunteman, Bensenville, Ill.

Carnations, Aristocrat, Rose Pink Enchantress, White Perfection and other leading varieties. E. G. Hill Co., Richmond, Ind.

If you do not find what you need in our Ready Reference Department, write us about it.

Carnations, White Enchantress, rooted cuttings, $12 per 100; $100 per 1,000. E. Schrader, New Springville, New York.

Carnations, Pink sport of Enchantress, rooted cuttings, $6 per 100; $50 per 1,000. Holton & Hunkel, Milwaukee, Wis.

Carnations, Winsor and Aristocrat, $12 per 100; $100 per 1,000. Wm. F. Kasting, 383 Ellicott St., Buffalo, N. Y.

Carnation Victory, rooted cuttings, $6 per 100; $50 per 1,000. Guttman & Weber, 43 W. 28th St., New York.

Carnation Abundance, rooted cuttings, $5 per 100; $40 per 1,000. R. Fischer, Great Neck, L. I.

Carnations, Victory, $6 per 100; $50 per 1,000. Jensen & Dekema, 674 W. Foster Ave., Chicago.

Carnation John E. Haines, rooted cuttings, $6 per 100; $50 per 1000. John E. Haines, Bethlehem, Pa.

Carnation Mabelle, new, $12 per 100; $100 per 1,000. H. Weber & Sons Co., Oakland, Md.

Carnations, leading varieties, rooted cuttings. Chicago Carnation Co., Joliet, Ill.

Carnations, Norway, $3 per 100. J. W. Dunford, Clayton, Mo.

Carnations for fall delivery. Wood Bros., Fishkill, N. Y.

Carnations. J. D. Thompson Carnation Co., Joliet, Ill.

Carnations. leading vars. A. M. Herr, Lancaster, Pa.

CHRYSANTHEMUMS.

Chrysanthemums, stock plants of the following varieties at $4 per 1000: Kalb, Glory of Pacific, Polly Rose, Pink Ivory, White Ivory, Wm. Duckham, Maud Dean, Marie Liger, Dr. Enguehard, A. J. Balfour, Alice Byron, R. Halliday. W. H. & C. B. Newman, Akron, N. Y.

Chrysanthemums, stock plants, Mrs. Duckham, Col. Appleton, Cheltoni, F. A. Cobbold, F. S. Valis, Wm. Duckham, Nellie Pockett, Merza, Henry Robinson, etc., $10 per 100. C. Peterson, 307 Lincoln, St., Flushing, N. Y.

Chrysanthemums, stock plants, Willowbrook, Kalb, Estelle, Wanamaker, Ivory, Robinson, Appleton, Bonnaffon, Halliday, Coombes, McNeice, Enguehard, 60c per doz.; $4 per 100. E. T. Wanzer, Wheaton, Ill.

Chrysanthemums, old stools, Polly Rose, Appleton, Duckham in exchange for Begonia Gloire de Lorraine, or heap offer. Riverbank Greenhouses, Geneva, Ill.

Chrysanthemums, stock plants, M. F. Plant, $3 per doz.; $20 per 100. J. Nonin, $1 per doz.; $8 per 100. Henry I. Faust, Merion Station, Pa.

Stock plants of the Ceramic chrysanthemum, new cream color, now ready, 20c each; $2 per doz. Chas. Peterson, East Liverpool, Ohio.

Chrysanthemum October Frost. Orders taken for rooted cuttings, $6 per 100; 2½-in. pots, $8 per 100. A. C. Canfield, Springfield, Ill.

Chrysanthemums, best sorts, Golden Dome, White Duckham, Pres. Loubet, Mlle. Chabanne. E. G. Hill Co., Richmond, Ind.

Chrysanthemums, Smith's Revised Manual, 40c. Nathan Smith & Son, Adrian, Mich.

Chrysanthemums, all varieties. Nathan Smith & Son, Adrian, Mich.

Chrysanthemums. Wood Bros., Fishkill, N. Y.

CIBOTIUMS.

Cibotium Schiedei, 5-in., $9 per doz.; 6-in., $12 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

CLEMATIS.

Clematis Pan., 2-yr., field-grown, $7 per 100; $65 per 1,000. Dingee & Conard Co., West Grove, Pa.

COBOEA.

Cobœa Scandens, 4-in., $8 per 100. Godfrey Aschmann, 1012 Ontario St., Philadelphia, Pa.

COLEUS.

Coleus, asst. R. C., 60c per 100, prepaid. Shippensburg Floral Co., Shippensburg, Pa.

CYCLAMENS.

Cyclamen plants, grand strain, 5-in., showing bud, $35 per 100. Riverbank Greenhouses, Geneva, Ill.

CYPERUS.

Cyperus gracilis, 2½-in. pots, $3.50 per 100. Dingee & Conard Co., West Grove, Pa.

DAHLIAS.

Dahlias, 25 leading vars, named, Admiral Dewey, Constancy, Gloriosa, Orange King, Prof. Baldwin, Maid of Kent, C. W. Bruton, Uncertainty, field clumps, $5 per 100; $45 per 1,000. Catherine Duer, $8 per 100. Dingee & Conard Co., West Grove, Pa.

Dahlias, improved Countess of Lonsdale, cactus type, 6 for $1; $1.75 per doz.; $12 per 100. Arthur T. Boddington, 342 W. 14th St., New York.

Dahlias. Thos. S. Ware, Ltd., Feltham, England.

DAISIES.

Paris daisies, R. C., giant white, yellow, $1; Alexandria, $1.25. Byer Bros., Chambersburg, Pa.

DEUTZIAS.

Deutzia gracilis, 6-in., $1.50 per doz.; $12 per 100. Lemoine, 6-in., $2.50 per doz.; $20 per 100. Vaughan's Seed Store, Chicago and New York.

DRACAENAS.

Dracæna fragrans, 5-in., 50c each, $5 per doz.; 7-in., $1 each; $12 per doz.; D. indivisa, 2-in., $2.50 per 100; 6-in., 20 to 26 ins., 50c each; $5 per doz.; 7-in., 30 to 34 ins., 75c each; $9 per doz.; D. terminalis, 2-in., $1.25 per doz.; 3-in., $2 per doz.; 6-in., $9 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Dracæna Bruanti, 30-in., 6-in. pots, 50c each; $5 per doz. G. Aschmann, 1012 Ontario St., Philadelphia.

Dracæna indivisa, 4 and 5 ins., $10 and $25 per 100. Geo. M. Emmans, Newton, N. J.

Dracæna indivisa, 5-in., $15 per 100. H. Harrington Co., Vashon, Wash.

FERNS.

Ferns, Boston, 5-in., $3; 6-in., strong, $6; 7-in., $9. Large specimens, $1.50, $2, $3 each. Assorted ferns for dishes, $3 per 100; $25 per 1,000. Pteris Wimsetti, 3-in., 75c per doz.; $6 per 100. Pteris argyrea, 3-in., $1 per doz.; $8 per 100. Aspidium Ten., 3-in., $1 per doz.; $8 per 100. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Ferns, Barrowsii, 7-in., 75c to $1 each; 6-in., 50c; 5½-in., 40c; 5-in., 35c; 4-in., 25c. Scottii, 8-in., $1.25; 7-in., 75c; 6-in., 50c; 5½-in., 40c; 4-in., 20c. Boston, 7-in., 75c; 6-in., 50c; $5 per doz.; 5-in., 30c to 35c; 4-in., 20c. Maidenhair, 6-in., 40c. G. Aschmann, 1012 Ontario St., Philadelphia.

Ferns, Pteris magnifica, Pteris serrulata cristata, Pteris alb. lineata, Pteris Wimsetti, Pteris Ouvrardi, $3 per 100; $25 per 1,000. Boston, Scottii and Piersoni, 3-in., $8; 4-in., $15; 5-in., $25; 6-in., $40 per 100. J. F. Wilcox, Council Bluffs, Iowa.

Ferns, N. Piersoni, Elegantissima, 2¼-in. pots, $12 per 100; specimen plants, 6-in., $1 each; 8-in., $2; 10-in., $3; 12-in., $5; 14-in., $7.50; 16-in., $10. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns, Boston, Piersoni, Anna Foster, 2¼, 3 and 4-in., $3, $6 and $12 per 100; 6-in., $4; 8-in., $10; 10-in., $20 per doz. Elegantissima and Scottii, runners, $40 per 1,000. Boston, $20 per 1,000. Ludvig Mosbaek, Onarga, Ill.

Ferns, Boston, for 4 and 5-in., $10 and $15 per 100. Boston and Scottii, 5 to 10-in., 50c to $1.50 each. J. W. Dunford, Clayton, Mo.

Ferns, N. Whitmani, 2¼-in., $25 per 100. Boston, 2¼-in., $3 per 100. H. H. Barrows & Sons, Whitman, Mass.

Ferns, Boston, 4-in., 10c; 3-in., 5c; Tarrytown, 3-in., 10c; 4-in., 15c; 6-in., 25c; runners, $1.50 per 100. Byer Bros., Chambersburg, Pa.

Ferns, N. Whitmani, young plants from bench, $6 per 100. Davis Bros., Morrison, Ill.

Ferns, orders booked now for N. Amerpohli, Janesville Floral Co., Janesville, Wis.

Ferns, Boston, 5-in., 30c each. Piersoni, 6-in., 50c each. Geo. M. Emmans, Newton, N. J.

Ferns, Scottii, 4-in., 10c; 5-in., 15c; 6-in., 25c. W. W. Coles, Kokomo, Ind.

Ferns, all leading varieties, R. Dreyer, Woodside, L. I., N. Y.

FUCHSIAS.

Fuchsias, 5 kinds, $1.25, R. C., Byer Bros., Chambersburg, Pa.

GERANIUMS.

Geraniums, the following, "Six Kings"; S. A. Nutt, deep scarlet; A. H. Trego, scarlet; Peter Henderson, bright scarlet; Beaute Poitevine, salmon; Jean Viaud, pink; Mme. Buchner, white; all semi-double, strong top cuttings, well rooted, $1.75 per 100; $16 per 1,000. Cash. The W. T. Buckley Co., Springfield, Ill.

Geraniums, Nutt, J. Doyle, Perkins, Dbl. Gen. Grant, La Favorite, 2-in., $2; R. C., $1 per 100. Geo. M. Emmans, Newton, N. J.

Geraniums, leading varieties. R. Vincent, Jr., & Son, White Marsh, Md.

Geraniums, 2-in., 2c. Byer Bros., Chambersburg, Pa.

Geraniums, leading vars. A. M. Herr, Lancaster, Pa.

GLOXINIAS.

Gloxinias. L. Van Houtte Pere, Ghent, Belgium.

GREENS.

Greens, holly, $5 per case. Boxwood, $15 per 100 lbs. Laurel festooning, 5c and 6c per yd. Princess pine festooning, $6 per 100 yds. Wild smilax, $3.50 and $7 per case. Laurel Wreaths, $2.50 per doz. and up. Branch laurel, 50c per bunch. Bouquet green, $7 per 100 lbs. Galax, green and bronze, $1 per 1,000; $7.50 per 10,000. Ferns, fancy and dagger, $1.25 per 1,000. Leucothoe sprays, $1 per 100. Green and sphagnum moss, $1 per bbl. H. M. Robinson & Co., 11-15 Province St., Boston.

Greens, galax leaves, ferns and leucothoe sprays, holly. Princess pine, all kinds of evergreens. Galax leaves, $1 per 1,000. N. Lecakes & Co., 53 W. 28th St., New York.

Greens, fancy ferns, $1.50 per 1,000. Green and bronze galax, $1.25 per 1,000. Boxwood, 20c per lb., 50 lb., $8.50. Michigan Cut Flower Exchange, Detroit, Mich.

Greens, cut palmetto and cycas palm leaves, galax, leucothoe, ferns, mosses and all decorating evergreens. The Kervan Co., 20 W. 27th St., New York.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 52 W. 28th St., New York.

Greens, evergreens, galax, ferns, decorative supplies, moss. John P. Scherer, 636 Garden St., Union Hill, N. J.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. A. J. Fellouris, 52 W. 28th St., New York.

Greens, Beaven's fadeless sheet moss, $3.50 per bag. Southern wild smilax. E. A. Beaven, Evergreen, Ala.

Greens, Southern wild smilax. Caldwell The Woodsman Co., Evergreen, Ala.

HARDY PERENNIALS.

Dielytra spectabilis, strong clumps, $8 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Hardy, perennial herbaceous plants, 50,000 field and pot grown. Ludvig Mosbaek, Onarga, Ill.

If you do not find what you need in our Ready Reference Department, write us about it.

Iris Germanica, Mme. Chereau, Gracchus, Florentine, Socrates, Duchess de Nemours, Dr. Bernice and 20 others, $2.50 per 100; $22.50 per 1,000. Hemerocallis in 10 vars., $3.75 per 100; $30 per 1,000. Delphinium Belladonna, 1 yr., plants, $6.25 per 100; $57.50 per 1,000; 3 yr., clump, $8.75 per 100; $75 per 1,000. Chrysanthemum maximum King Edward, largest white Marguerite, strong from ground, $8.75 per 100. Lathyrus latifolius White Pearl, from ground, $12.50 per 100. Thos. S. Ware, Ltd., Feltham, England.

HELIOTROPE.

Heliotrope, 3 kinds, R. C., $1. Byer Bros., Chambersburg, Pa.

HIBISCUS.

Hibiscus Syriacus Meehani. P. J. Berckmans Co., Inc., Augusta, Ga.

HOLLYHOCKS.

Hollyhocks, separate colors, $7.50. Perennial Gardens Co., Toledo, O.

HYDRANGEAS.

Hydrangeas, Thos. Hogg, 6-in. pots, 4 crowns, $6 per 100; 500 for $27.50; 5 to 6 crowns, $8.50 per 100; 500 for $40. Jackson & Perkins, Newark, N. Y.

JERUSALEM CHERRIES.

Jerusalem cherries, 12-in., pans, 7 plants to pan, 75c each; 3½-in., $6 per 100. J. W. Dunford, Clayton, Mo.

LANTANAS.

Weeping lantana, 2½-in., $3.50 per 100. Dingee & Conard Co., West Grove, Pa.

MANETTI STOCKS.

Manetti stocks, French, $1.50 per 100; $12 per 1000; $50 per 5000; $80 per 10,000. English, $2 per 100; $15 per 1000; $60 per 5000; $100 per 10,000. Vaughan's Seed Store, Chicago and New York.

Manetti stocks, grafting size, 3-5 mm., $7 per 1,000; $65 per 10,000; 1st size, 5-10 mm., $9 per 1,000; $80 per 10,000. Jackson & Perkins, Newark, N. Y.

MUSHROOM SPAWN.

Mushroom Spawn, Pure Culture, per 10 bricks, $1.50; 25 bricks, $3.50; 50 bricks, $6.50; 100 bricks, $12. W. C. Beckert, 103 Federal St., Allegheny, Pa.

Mushroom Spawn, pure culture Spawn, and importers of English mushroom Spawn. Knud Gundestrup & Co., 4273 Milwaukee Ave., Chicago.

Mushroom Spawn, English and pure culture. Weeber & Don, 114 Chambers St., New York.

Mushroom Spawn, frequent importations from England. J. J. Styer, Concordville, Pa.

NURSERY STOCK.

Nursery stock, American arbor vitæ, Tartarian honeysuckle, Barberry Thunbergii, Deutzia Pride of Rochester, Shade trees, fruit trees, shrubs. W. & T. Smith Co., Geneva, N. Y.

Nursery stock, Viburnum plicatum, hardy shrubs, vines and plants of all kinds. Dingee & Conard Co., West Grove, Pa.

Nursery stock, trees and shrubs. Price list on application. Peterson's Nursery, 503 W. Peterson Ave., Chicago.

Nursery stock, Viburnum plicatum, all sizes; shrubbery and honeysuckles, etc. Conard & Jones Co., West Grove, Pa.

Nursery stock, large trees, oak, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, pot-grown shrubs, conifers and ornamental stock. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, evergreen and deciduous flowering shrubs and vines. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, deciduous trees and shrubs, evergreens. Cottage Gardens Co., Queens, L. I., N. Y.

Nursery stock, plants and shrubbery of all kinds. Dingee & Conard Co., West Grove, Pa.

Nursery stock, all kinds of hardy stock. Klehm's Nurseries, Arlington Heights, Ill.

ORCHIDS.

Orchids, Cattleya Trianæ semi-established, Cattleya gigas, semi-established, and just arrived in fine shape Cattleya Schrœderi. Price per box of 40 plants on application, 8 to 10 bulbs to a plant. John De Buck, collector of orchids, P. O. box 78, College Point, L. I., N. Y.

Orchids, C. Dowiana, C. Gigas, C. Mossiæ, C. Percivaliana, C. speciosissima, C. Eldorado, C. superba, C. labiata, C. Leopoldi. Lager & Hurrell, Summit, N. J.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England; New York office, room 1, 235 Broadway.

Orchids, Cattleya labiata, Trianæi, Percivaliana, Mossiæ, Mendelli and Shroderæ. Julius Roehrs Co., Rutherford, N. J.

Orchids, leading varieties. Carrillo & Baldwin, Secaucus, N. J.

PALMS.

Palms, Cocos, 2-in., $2 per doz.; C. Bonetti, specimens, $40 each. Kentia Bel., 3-in., $2 per doz.; Kentia Fors, 7-in., $2 each; $24 per doz.; 7-in., X, $2.50 each; 7-in., XX, $3 each. Phœnix Can., 2-in., $1 per doz.; 10-in., $2.50 and $3 each; large specimens, Phœnix Recli., 3½-in., $2 per doz.; 4-in., $3 per doz. Latania Bor., 3-in., $1.50 per doz.; 3½-in., $2; 4-in., $3; 5-in., $5; 7-in., $12. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Palms, Latania Bor., 4-in., $15 per 100. Kentia Bel., 5-in., $60 per 100. Storrs & Harrison Co., Painesville, O.

Palms of all kinds. R. Dreyer, Woodside, L. I., N. Y.

Palms. L. Van Houtte Pere, Ghent, Belgium.

PANDANUS.

Pandanus Utilis, 3-in., per doz., $1.50; 4-in., per doz., $3; 5-in., per doz., $5. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

PANSIES.

Pansies, $3 per 1,000; 50c per 100. Jos. H. Cunningham, Delaware, O.

PELARGONIUMS.

Pelargoniums, rooted cuttings, 15 named vars., $2.25 per 100 prepaid. S. D. Brant, Clay Center, Kans.

PEONIES.

Peonies, Prince Charles, Lord Salisbury, Duchess of Sutherland, Rosea maxima, Mme. Furtado, Philomile, Lecnie, Mons. Boquil, Festiva, Hypatia, Mons. Rousselon, Mme. Moreau, 1 yr., $1.50 per doz.; $10 per 100; 2 yr., $2 per doz.; $15 per 100. Thos. S. Ware, Ltd., Feltham, England.

Peonies, Queen Victoria, $9 per 100. Festiva Maxima, $30 per 100; Fragrans, $6 per 100. G. H. Wild, Sarcoxie, Mo.

Peonies a specialty. Peterson Nursery, 503 W. Peterson Ave., Chicago.

Peonies, all vars. Jacs Smits, Ltd., Naarden, Holland.

PETUNIAS.

Petunias, R. C., 10 kinds, $1. Byer Bros., Chambersburg, Pa.

POINSETTIAS.

Poinsettias, 6-in. pans, 3 plts. in pan, $1 each; $10 per doz.; 7-in., 4 plts., $1.25 each; $12 per doz.; 8-in., 5 plts. in pan, $1.75 each; $20 per doz.; 10-in., 6 plts. in pan, $2.50 each; $30 per doz. Vaughan's Seed Store, Chicago and New York.

PRIVET.

Privet, California, the best. R. Dreyer, Woodside, L. I., N. Y.

RHODODENDRONS.

Rhododendrons, 50c and 75c each. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Rhododendrons, leading forcing vars., 18 to 20 ins. high, full of buds, $9 per doz.; 20 to 24 ins., $12 per doz. Storrs & Harrison Co., Painesville, O.

Rhododendrons, leading vars., 10 to 15 buds, $1.25 each; $12 per doz. Vaughan's Seed Store, Chicago and New York.

Rhododendrons. Jacs Smits, Ltd., Naarden, Holland.

Rhododendrons. Cottage Gardens Co., Queens, L. I., N. Y.

ROSES.

Roses, hybrid, best kinds, 2-yr., $11 per 100. Crimson Rambler, 2-yr., 3 to 4 ft., $12 per 100; 3-yr., 4 to 5 ft., $15 per 100. Frau Karl Druschke, 2-yr., field-grown, $2 per doz.; $15 per 100. American Beauty, 2-yr., $2 per doz.; $15 per 100. Kaiserin Aug. Victoria, 2-yr., $2 per doz.; $15 per 100. Baby Rambler, 2-yr., $3 per doz.; $25 per 100; 1-yr., $2 per doz.; $15 per 100. La France, 2-yr., $2 per doz.; $15 per 100. Gruss an Teplitz, 2-yr., $2 per doz.; $15 per 100. Vaughan's Seed Store, Chicago and New York.

Roses, home grown, Baby Rambler, $2.50 per doz.; $20 per 100. Hermosa, $1.65 per doz.; $12.50 per 100. C. Soupert, $1.65 per doz., $12.50 per 100. Imported, extra heavy hybrid perpetuals, all vars., $1.50 per 10; $12.50 per 100. Baby Rambler, $2 per 10; $17.50 per 100; Crimson Rambler, $1.75 per 10; $15 per 100. Perennial Gardens Co., Toledo, O.

Roses. We grow to order for March, April and May delivery, Bride, Bridesmaid, Perle, Chatenay, Ivory and Richmond rose plants, from 2½-in. pots, at $3 per 100; $25 per 1,000. First-class stock guaranteed. J. F. Ammann, Edwardsville, Ill.

Roses, rooted cuttings, Brides, Maids, Chatenay, Richmond, $1.50 per 100; $12.50 per 1,000. Carnot, Kaiserin, Perles, $2.50 per 100; $20 per 1,000. Am. Beauty, $3 per 100; $25 per 1,000. Bassett & Washburn, 76 Wabash Ave., Chicago.

Roses, own roots, field plants, Baby Rambler, C. Soupert, Phila. Rambler, C. Rambler, Dorothy Perkins, Sir Thos. Lipton; 2½ and 4-in. pot plants in variety. Conard & Jones Co., West Grove, Pa.

Roses, rooted cuttings, Bride, Maid, Golden Gate, Chatenay, $1.50 per 100; $12.50 per 1,000. Richmond, $2 per 100; $18 per 1,000. W. H. Gullett & Sons, Lincoln, Ill.

Roses, 2-yr., field-grown, Dorothy Perkins, $8 per 100. Crimson Rambler, $10 per 100. Hybrid perpetuals, $10 to $12 per 100. Jackson & Perkins, Newark, N. Y.

Rose, Queen Beatrice, finest forcing pink, to be disseminated spring of 1907. F. H. Kramer, 916 F St., N. W., Washington, D. C.

Roses, Killarney, rooted cuttings and plants, large stock, early delivery. Write to headquarters. Weiland & Risch, 59 Wabash Ave., Chicago.

Roses, 1,000 varieties, from 2½, 4 and 5-in. pots, own roots. Dingee & Conard Co., West Grove, Pa.

Roses, Crimson Rambler, 4 to 7 ft., $10 per 100; No. 2's, $6 per 100. C. M. Niuffer, Springfield, O.

Roses, 101 best sorts, own roots, 2½ and 4-in. Leedle Floral Co., Springfield, O.

Roses, leading kinds. W. & T. Smith Co., Geneva, N. Y.

Roses, climbing plants. Jacs Smits, Ltd., Naarden, Holland.

Roses, from 3-in. pots. Wood Bros., Fishkill, N. Y.

SEEDS.

Seeds, Rawson's mammoth Verbena, all colors and mixed, per oz., $1; ¼ oz., 30c. W. W. Rawson & Co., 5 Union St., Boston.

Seeds, high grade grass, clover, agricultural and forest tree seeds. Conrad Appel, Darmstadt, Germany.

Seeds, Puget Sound Cabbage. Chas. H. Lilly Co., Seattle, Wash.

If you do not find what you need in our Ready Reference Department, write us about it.

Seeds, palms, Kentia Fors., K. Bel., $1.25 per 1,000. Canterburyana, $3 per 1,000. Moorei, $12 per 1,000. Areca Baueri, $1 per 1,000. Seaforthia elegans, 50c per 1,000. Livistona australis, 50c per 1,000. Bacularia monostachya, $1.50 per 1,000. Gymnostachys anceps, $2 per 1,000. Calamus Muelleri, $1.50 per 1,000. Tree Seeds, Castanospermum australe, $5 per 1,000. Araucaria excelsa, $1.25 per 1,000. J. Staer, Wahroonga, N. S. W., Australia.

Seeds, beets, cabbage, Cannon Ball and Rocky Ford muskmelon, watermelon, Bermuda and Calif. onion, okra, mustard, French and Calif. grown, radish, tomato, Mexican June corn, Kaffir corn, German millet, dwf. yel. Milo Maize, sugar cane, winter barley, Red Rust Proof oats, cotton seed, Whip. and white black-eyed field peas, Spanish peanuts, Johnson and Bermuda grass. Texas Seed and Floral Co., Dallas, Tex.

Seeds, Salvia Bonfire, Floracroft strain, trade pkt., 30c; oz., $2. Verbenas, all colors and mixed, tr. pkt., 30c; oz., $1.25. Phlox Drummondi grandi, separate colors, tr. pkt., 20c; oz., 75c. Dwarf Compact, Snowball and Fireball, tr. pkt., 30c. Asters, finest sorts. Antirrhinum, giant white, garnet, pink, scarlet striped, yellow, mixed, tr. pkt., 20c; oz., 60c. Stoke's Seed Store, 219 Market St., Philadelphia.

Seeds, Asparagus, A. plumosus nanus, Northern greenhouse grown seed, 100 seeds, 60c; 250 seeds, $1.25; 1,000 seeds, $4.50. Southern greenhouse grown, 1,000 seeds, $2.50; 5,000 seeds, $10. A. plumosus robustus, 100 seeds, $1; 1,000 seeds, $9. Decumbens, 100 seeds, 50c; 1,000 seeds, $4. Comorensis, 100 seeds, $1; 1,000 seeds, $7.50. Cash discount 2 per cent. Vaughan's Seed Store, Chicago and New York.

Seeds, aster, Vick's branching, 7 colors. Vick's Sunset, pkt., 25c; 2 pkts., 40c. Vick's Upright, pkt., 25c; 2 pkts., 40c. Vick's Royal Purple, pkt., 20c; 2 pkts., 35c. Vick's Branching Rosy Carmine, pkt., 25c; 2 pkts., 40c. Vick's Cardinal, pkt., 25c; 2 pkts., 40c. James Vick's Sons, Rochester, N. Y.

Seeds, sweet peas, Earliest White, per pkt (40 seeds), 25c; 5 pkts., 75c net. ½ size pkts., 15c; 2 pkts., 25c; 10 pks., 75c. Burpee's Earliest of All, per oz., 10c; ¼ lb., 30c; per lb., $1. W. Atlee Burpee & Co., Philadelphia.

Seed, Asparagus plumosus, 1,000 seeds, $2; 6,000, $10; 13,000, $20; 25,000, $35; 50,000, $65; 100,000, $110. F. G. Taylor Seed Co., Inc., Box 99, Glendale, Cal.

Seeds, mignonette, New York Market. Sweet peas, pink and white. Tomato, The Don, Stirling Castle. Weeber & Don, 114 Chambers St., New York.

Seeds, specialties, beans, cucumber and tomato, radish, peas, muskmelon, sweet corn and squash. S. M. Isbell & Co., Jackson, Mich.

Seeds, all kinds, specialties, onion, carrot, lettuce, sweet peas. Pacific Seed Growers' Co., 109 Market St., San Francisco.

Seeds, clover, rye grasses, natural grasses, Swede, turnip, mangel, vegetable and flower seeds. Bell & Bieberstedt, Leith, Scotland.

Seeds, cabbage and cauliflower. Hjalmar Hartmann & Co., 12 Stormgade, Copenhagen, 31 Barclay St., New York.

Seeds, Primula Sinensis, herbaceous calceolaria, etc. H. B. May & Sons, Upper Edmonton, London, Eng.

Seeds, all kinds of vegetable and flower seeds. C. C. Morse & Co., 171 Clay St., San Francisco.

Seeds of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Seeds, vegetable and flower. A. J. Pieters Seed Co., Hollister, Cal.

Seeds, Snowball cauliflower. R. Wiboltt, Nakskov, Denmark.

Seeds, all kinds. John Scheepers & Co., New York.

Seeds. W. Atlee Burpee Co., Philadelphia, Pa.

SMILAX.

Smilax, 2-in., strong, $1 per 100; $9 per 1,000. C. Humfeld, Clay Center, Kan.

Smilax, 3-in., $4 per 100; $35 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Smilax. Wood Bros., Fishkill, N. Y.

SPIREAS.

Spireas, japonica, strong clumps, $3.50 per 100; Astilboides Floribunda, $4 per 100; Compacta Multiflora, $4 per 100; Gladstone, $6.50 per 100. J. M. Thorburn & Co., 33 Barclay St., New York.

Astilbe, or spirea, Gladstone, $8 per 100; Astilboides floribunda and Japonica, $5 per 100; Compacta, multiflora, $6 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Spirea nana compacta, Clumps, $4 per 100. Storrs & Harrison Co., Painesville, O.

Spireas. Jacs Smits, Ltd., Naarden, Holland.

VEGETABLE PLANTS.

Vegetable plants, cabbage, New Early and Succession, $1.25 per 1000. Lettuce, Grand Rapids, Big Boston, Boston Market and Tennis Ball, $1 per 100. Parsley, Moss Curled, $1.25 per 1000. Tomatoes, Lorillard and Mayflower, 40c per doz.; $2 per 100. R. Vincent, Jr., & Son, White Marsh, Md.

VERBENAS.

Verbenas, 60 named vars., Rooted cuttings, 75c per 100; $6 per 1,000. Plants, $2.50 per 100; $20 per 1,000. J. L. Dillon, Bloomsburg, Pa.

VINCAS.

Vinca Var., R. C., 90c per 100; $8 per 1000. Shippensburg Floral Co., Shippensburg, Pa.

Vinca Var., 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

Vinca Var., R. C., 90c. Byer Bros., Chambersburg, Pa.

VIOLETS.

Violets, Lady Hume Campbell, Princess of Wales, Swanley White, Admiral Avellan, Luxonne, from 2½-in. pots, $3.50 per 100; $30 per 1,000. Dingee & Conard Co., West Grove, Pa.

Violets, Gov. Herrick, new single violet, good keeper; rooted cuttings $2 per doz.; $10 per 100; $75 per 1,000; 5,000 or more, $60 per 1,000. H. R. Carlton, Willoughby, O.

Violets. Wood Bros., Fishkill, N. Y.

WHOLESALE CUT FLOWERS.

Commission Dealers.

Allen, J. K., 106 W. 28th St., New York.

Amling, E. C., 32-36 Randolph St., Chicago.

Berning, H. G., 1402 Pine St., St. Louis.

Cleveland Cut Flower Co., 215 Huron road, Cleveland, O.

Deamud, J. B., Co., 51 Wabash Ave., Chicago.

Eberman, C. W., 53 W. 30th St., New York.

Flower Growers' Market, 60 Wabash Ave., Chicago.

Ford Bros., 48 W. 28th St., New York.

Froment, Horace E., 57 W. 28th St., New York.

Guttman, Alex. J., 43 W. 28th St., N. Y.

Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Henshaw, A. M., 52 W. 28th St., New York.

Horan, Edward C., 55 W. 28th, N. Y.

Hunt, E. H., 76 Wabash Ave., Chicago.

Kennicott Bros. Co., 40-44 Randolph St., Chicago.

Kessler, Phil. F., 55 W. 26th St., N. Y.

Kuehn, C. A., 1122 Pine St., St. Louis.

Langjahr, Alfred H., 55 W. 28th St., New York.

McCullough's Sons Co., J. M., 316 Walnut St., Cincinnati, O.

McKellar, Chas. W., 51 Wabash Ave., Chicago.

McKissick, W. E., 1221 Filbert St., Philadelphia.

Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Murdoch, J. B. & Co., 745 Liberty Ave., Pittsburg, Pa.

N. Y. Cut Flower Ex., Coogan Bldg., 6th Ave. and W. 26th St., New York.

Niessen Co., Leo, 1217 Arch St., Phila.

Pennock-Meehan Co., 1608-18 Ludlow St., Philadelphia.

Pittsburg Cut Flower Co., Ltd., 222 Oliver Ave., Pittsburg, Pa.

Pittsburg Florists' Exchange, 217-223 Diamond St., Pittsburg, Pa.

Pollworth, C. C. Co., Milwaukee, Wis.

Randall, A. L. Co., 19 Randolph St., Chicago.

Raynor, John I., 49 W. 28th St., N. Y.

Rice Bros., 128 N. 6th St., Minneapolis, Minn.

Robinson, Henry M., & Co., 11-15 Province St., Boston.

Seligman, John, 56 W. 26th St., N. Y.

Sheridan, Walter F., 39 W. 28th St., New York.

Smith & Co., W. C., 1316 Pine St., St. Louis, Mo.

Traendley & Schenck, 44 W. 28th St., New York.

Vaughan & Sperry, 58-60 Wabash Ave., Chicago.

Welch Bros., 226 Devonshire St., Boston.

Winterson, E. F. Co., 45-49 Wabash Ave., Chicago.

Young, A. L. & Co., 54 W. 28th St., New York.

Young, Thos., 43 W. 28th St., N. Y.

Zech & Mann, 51 Wabash Ave., Chicago.

Growers.

Bassett & Washburn, 76-78 Wabash Ave., Chicago.

Benthey-Coatsworth Co., The, 35 Randolph St., Chicago.

Bruns, H. N., 1409-11 W. Madison St., Chicago.

Budlong, J. A., 37-39 Randolph St., Chicago.

Chatogue Greenhouses, Mobile, Ala.

Elliott, W. H., Brighton, Mass.

Hill, The E. G. Co., Richmond, Ind.

Jensen & Dekema, 674 W. Foster Ave., Chicago.

Peacock Dahlia Farms, Atco, N. J.

Poehlmann Bros. Co., 35-37 Randolph St., Chicago.

Reinberg, Peter, 51 Wabash Ave., Chicago.

Rising-Dunscomb Co., Inc., 205 No. Broadway, Los Angels, Cal.

Scheiden & Schoos, 60 Wabash Ave., Chicago.

Sinner Bros., 60 Wabash Ave., Chicago.

Weiland & Risch, 59 Wabash Ave., Chicago.

Wietor Bros., 51 Wabash Ave., Chicago.

Wilcox, J. F., Council Bluffs, Iowa.

Wittbold, Geo. Co., 1657 Buckingham Place, Chicago.

RETAIL CUT FLOWERS.

Alpha Floral Co., Kansas City, Mo.

Atlanta Floral Co., 41 Peachtree St., Atlanta, Ga.

Bertermann Bros. Co., 241 Massachusetts Ave., Indianapolis, Ind.

Blackistone, 14th and H Sts., N. W., Washington, D. C.

Boland, J. B. Co., 47-49 Geary St., San Francisco.

Breitmeyer's Sons, John, cor. Miami and Gratiot Aves., Detroit, Mich.

Cooke, George H., Connecticut Ave. and L. St., Washington, D. C.

Daniels & Fisher, Denver, Colo.

Donohoe, W. H., 2 W. 29th St., N. Y.

Eyres, H. G., 11 N. Pearl St., Albany, N. Y.

If you do not find what you need in our Ready Reference Department, write us about it.

Galvin, Thos. F., 124 Tremont St., Boston.

Gude, A. & Bro., 1214 F St., Washington, D. C.

Hansen, Mrs. M. A., Galveston, Tex.

Hauswirth, P. J., Audit. Annex, Chi.

Hess & Swoboda, 1415 Farnum St., Omaha, Neb.

Holm & Olson, St. Paul, Minn.

Keller, J. B., Sons, 25 Clinton St., Rochester, N. Y.

Kellogg, Geo. M., 906 Grand Ave., Kansas City, Mo.; also Pleasant Hill, Mo.

Lange, A., 40 E. Madison St., Chicago.

Livingston Seed Co., Columbus, O.

Matthews, 16 W. 3rd St., Dayton, O.

Mayberry & Hoover, 1339 14th St., N. W., Washington, D. C.

Miller, Theo., 4832 Delmar Blvd., St. Louis, Mo.

Mills The Florist, 36 W. Forsythe St., Jacksonville, Fla.

Murray, Samuel, Coates House Con., 1017 Broadway, Kansas City, Mo.

Park Floral Co., The, Denver, Colo.

Palmer's, Buffalo, N. Y.

Schulz, J., 644 4th Ave., Louisville, Ky.

Virgin, Uriah J., 833 Canal St., New Orleans, La.

Weber, Fred C., 4320-28 Olive St., St. Louis, Mo.

Wilcox, J. F., Council Bluffs, Iowa.

Wilson, Robt. G., Fulton St. and Greene Ave., Brooklyn, N. Y.

Youngs, 1406 Olive St., St. Louis, Mo.

BOILERS.

Boilers, improved greenhouse boilers, made of best material; shell firebox sheets and heads of steel; water space all around (front, sides and back). Kroeschell Bros. Co., 45 Erie Street, Chicago.

Boilers, Gurney heaters, heat by steam or hot water. Gurney Heater Mfg. Co., 111 5th Ave., New York; 74 Franklin St., Boston.

Boilers, the Burnham boilers, made for greenhouse heating. Lord & Burnham Co., 1133 Broadway, New York.

Boilers, corrugated, fire box and sectional, greenhouse heating. Hitchings & Co., 1170 Broadway, New York.

Boilers, boilers of high grade for greenhouses. Steam and hot water. Giblin & Co., Utica, N. Y.

Boilers of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Boilers, water tube steam boilers. King Construction Co., N. Tonawanda, N. Y.

Boilers, write for prices. Johnston Heating Co., 1133 Broadway, N. Y.

Boilers, Myers & Co., 1122 Betz Bldg., Philadelphia.

BOXES.

Cut Flower Boxes, water-proof, corner lock style. No charge for printing on orders above 250 boxes. Livingston Seed Co., Columbus, O.

Cut Flower Boxes; send for prices. Edwards Folding Box Co., Philadelphia, Pa.

BUILDING MATERIAL.

Building material, lumber for greenhouse benches. Ship lap, drop siding, sheating, flooring, white cedar posts, etc. We are in special position to furnish "Pecky Cypress"; everything in pine and hemlock building lumber. Adam Schillo Lumber Co., cor. Weed and Hawthorn Sts., Chicago.

Building Material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouses and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building Material, cypress sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 111-125 Blackhawk St., Chicago.

Building Material, cypress sash bars, Tennessee red cedar posts, pecky cypress benches, hotbed sash and frames, ventilating apparatus, pine, fittings and all supplies needed in new or reconstruction work. Foley Mfg. Co., 471 W. 22d St., Chicago.

Building Material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 617 Sheffield Ave., Chicago.

Building Material for U-Bar greenhouses. Pierson U-Bar Co., Metropolitan Bldg., 4th Ave. and 23d St., N. Y.

Building Material of all descriptions, cold frames, hotbed sash, etc. Lord & Burnham Co., 1133 Broadway, N. Y.

Building Material, cold frames, hotbed sash of every description. Hitchings & Co., 1170 Broadway, New York.

Greenhouse materials of all kinds for greenhouse heating. Johnston Heating Co., 1133 Broadway, New York.

Building material, yellow pine boards cut to exact lengths. L. L. Satler Lumber Co., Pittsburg, Pa.

Building Material of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Building Material of all kinds. S. Jacobs & Sons, 1365-79 Flushing Ave., Brooklyn, N. Y.

CONCRETE MACHINES.

Ideal Concrete Machines for concrete block construction. Ideal Concrete Machinery Co., Dept. Y., South Bend, Ind.

CUT FLOWER HOLDER.

The Anglais table decoration, made in sections, can be adjusted to any form desired. "Japana" flower holder, 4½-in., 50c; 3½-in., 35c; 2½, 25c. M. V. Garnsey, 131 So. Waiola Ave., La Grange, Ill.

FERTILIZERS.

Wizard Brand pulverized sheep manure. The Pulverized Manure Co., 32 Exchange Ave., Chicago.

GLASS.

Glass importers and jobbers; greenhouse glass a specialty. Window glass. James H. Rice, corner Michigan, St. Clair and Illinois Sts., Chicago.

Glass, a lot of 16x18 A and B double strength at low price. A. Dietsch Co., 617 Sheffield Ave., Chicago.

Glass, window glass. Greenhouse glass a specialty. H. M. Hooker Co., 59 W. Randolph St., Chicago.

Glass, French and American "White Rose" brand. Stenzel Glass Co., 2 Hudson St., New York.

Glass, all sizes. Metropolitan Material Co., 1398 Metropolitan Ave., Brooklyn, N. Y.

Glass, all kinds and sizes. Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.

Glass, special greenhouse. G. F. Reynolds, Durhamville, N. Y.

GLAZING POINTS.

Glazing Points, see the point? Holds glass firmly. Peerless glazing points are the best. No rights or lefts. Box of 1,000 points, 75c, postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Siebert's zinc never rust glazing points, 2 sizes, ⅝ and ⅞, 40c per lb. 16c extra by mail; 7 lbs., $2.50; 15 lbs., $5 by express. Siebert Co., Baum and Beatty Sts., Pittsburg, Pa.

GOLD FISH.

Gold Fish, Comets, Japanese Fantails, Fringetails, Telescopes, etc. Fish globes and aquariums. The J. M. McCullough's Sons Co., 316 Walnut St., Cincinnati, O.

Goldfish aquaria and aquarium supplies. Fred. Kaempfer, 88 State St., Chicago.

GREENHOUSE CONSTRUCTION.

Greenhouse Construction, builders of modern greenhouses. Myers & Co., 1122 Betz Bldg., Philadelphia.

Greenhouse Construction, builders of greenhouses for private estates, institutions, parks, etc. Pierson U-Bar Co., Metropolitan Bldg., 4th Ave. and 23d St., New York.

Greenhouse Construction, sash bar greenhouses. New Truss construction and iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse Construction, builders of every type of greenhouses; the most modern designs. Hitchings & Co., 1170 Broadway, N. Y.

GUTTERS.

Gutters, Jennings' improved iron gutters. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

Gutters, Lord & Burnham Improved V-shape gutter, with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

Gutters, Garland's gutters will keep snow and ice off your glass. A sample of our gutters is on exhibition at Chicago Flower Growers' Market. Geo. M. Garland, Des Plaines, Ill.

Gutters, new duplex gutter, only drip-proof gutter on the market. E. Hippard, Youngstown, O.

INSECTICIDES.

Insecticides, tobacco paper, 24 sheets, 75c; 144, $3.50; 288, $6.50; 1,728, $35.10. Nico-Fume Liquid, ¼ pint, 50c; pint, $1.50; ½ gal., $5.50; gal., $10.50; 5 gal., $47.25. Kentucky Tobacco Product Co., Louisville, Ky.

Insecticides, Nikoteen Aphis Punk, 60c per box 12 sheets; $6.50 per case of 12 boxes. Nikoteen Liquid, $1.50 per pint; $13 per case of 10 pints. Nicotine Mfg. Co., St. Louis, Mo.

Wilson's Plant Oil, for scale and insects, ½ pt., $25c; pt., 40c; qt., 75c; ½ gal., $1.25; gal., $2; 5 gals., $9. Andrew Wilson, Summit, N. J.

Insecticides, Hasco liquid nicotine, pts., $1.35; half gal., $5.25; gal., $10. H. A. Stoothoff Co., 116 West St., New York.

Fumigating Supplies, vaporizing pans for tobacco extract, improved. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

Insecticide, Nicoticide, Bug Killer, the best bug killer and bloom saver. P. R. Palethorpe Co., Louisville, Ky.

Insecticides, Carman's Antipest insecticide and fungicide, $1.50 per gal. Perfection Chem. Co. Flushing, N. Y.

Fumigating supplies, tobacco stems, 300 lb. bales, $1.50. W. C. Beckert, 103 Federal St., Allegheny, Pa.

LAWN MOWERS.

Lawn Mower. The Clipper lawn mower, No. 1, 12-in., $5; No. 2, 15-in., $6; No. 3, 18-in., $7; No. 4, 20-in., $8. Draft, money order or reg. letter. Clippera Lawn Mower Co., Dixon, Ill.

METAL DESIGNS.

Metal signs, send for prices. A. Herrmann, 404-12 E. 34th St., New York.

MISCELLANEOUS.

Engravings, best engravings and illustrations of every description for catalogues. Send for estimates. Globe Eng. & Elec. Co., 427 Dearborn St., Chicago.

Printing, large runs of catalogues a specialty. Write for figures. Regan Printing House, 89-91 Plymouth Place, Chicago.

Florists' overdue accounts and bad debts collected by the National Florists' Board of Trade, 56 Pine St., N. Y.

PAINT, PUTTY, ETC.

Paint, Ideal Greenhouse Lead; Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, N. Y.

Paint, Putty, etc. H. M. Hooker Co., 59 W. Randolph St., Chicago.

Paint, Putty, etc. The Jas. H. Rice Co., 80-82 Wabash Ave., Chicago.

If you do not find what you need in our Ready Reference Department, write us about it.

PIPE, FITTINGS, ETC.

Pipe, iron fittings, etc., galvanized iron sash hinges, screw eyes, screw hooks, U bolts, galvanized iron buckles and wires. Fittings for purlin and ridge supports. Foley Mfg. Co., 471 W. 22d St., Chicago.

Iron Fittings, patent iron bench fittings and roof supports. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

Pipes, valves, fittings of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

A Bargain, 4-in. cast iron pipes, 5 foot lengths at 12c per foot. C. C. Pollworth Co., Milwaukee.

POTS, PANS, ETC.

Pots, standard, seed pans, cut flower cylinders, hanging baskets, lawn vases, etc. Hilfinger Bros. Pottery, Ft. Edward, N. Y.

Pots, standard flower pots. The Whildin Pottery Co., Philadelphia, Pa.; Jersey City, N. J.; Long Island City, N. Y.

Pots, before buying write for prices. Geo. Keller & Son, 361-63 Herndon St., near Wrightwood Ave., Chicago.

Pots, red standards, full size and wide bottoms. Detroit Flower Pot Mfy., 490 Howard St., Detroit, Mich.

Pots, garden vases, hanging baskets. Twin City Pottery Mfg. Co., 2406 Marshall St. N. E., Minneapolis, Minn.

Pots, red standard, azalea pots. The Keller Pottery Co., 213-223 Pearl St., Norristown, Pa.

Pots, pots of all kinds. A. H. Hews & Co., No. Cambridge, Mass.; Long Island City, N. Y.

Pot hangers. Kramer's $1 doz. by exp., $1.25 by mail. I. N. Kramer & Son, Cedar Rapids, Ia.

Pots, red standard. Paducah Pottery Co., Paducah, Ky.

Pots, Syracuse, red. Syracuse Pottery Co., Syracuse, N. Y.

Pots, all sizes. Ionia Pottery Co., Ionia, Mich.

PRUNING SHEARS.

Pruning shears. Rhodes double cut. Rhodes Mfg. Co., Grand Rapids, Mich.

PUMPING ENGINES.

Pumping Engines, two streams of water for 1 hour cost 2 cents if you use a Standard pumping engine. The Standard Pump & Engine Co., Cleveland, O.

SEED CASES.

Seed cases. Heller's mice proof. W. C. Heller & Co., Montpelier, O.

STEAM TRAPS.

Steam Traps, the Standard return steam trap has no equal for its simplicity of working. E. Hippard, Youngstown, O.

SUPPLIES.

Supplies, milkweeds, wire designs, cut wire, all kinds of letters, immortelles, cycas leaves, sheaves of wheat, ribbons, corrugated boxes of all kinds. Henry M. Robinson & Co., 8-11 Province St., Boston, Mass.

Supplies, cape flowers, cycas leaves, metal designs and all florists' supplies. A. Herrmann, 404-12 E. 34th St., New York.

Supplies, importers and manufacturers of florists' supplies. L. Baumann & Co., 78 Wabash Ave., Chicago.

Supplies, importers and manufacturers of florists' supplies. Reed and Keller, 122 W. 25th St., New York.

Supplies, wire designs, etc. The Cleveland Cut Flower Co., 215 Huron road, Cleveland, O.

Supplies, wire designs. Pittsburg Florists' Ex., 228 Diamond St., Pittsburg, Pa.

Supplies, ribbons and violet ties. Wm. R. Lake, 2535 N. 34th St., Philadelphia.

Supplies and novelties of all kinds. J. Stern & Co., 125 N. 10th St., Philadelphia.

Supplies, flower baskets, novelties. Riessner Bros., Lichtenfels, Bavaria.

Supplies of all kinds. E. F. Winterson Co., 45 Wabash Ave., Chicago.

TOOTHPICKS.

Toothpicks, wired, $1.50 per 10,000; $6.25 per 50,000. W. J. Cowee, Mfr., Berlin, N. Y.

VENTILATING APPARATUS.

Ventilators, the Standard ventilating machinery, original machine with self-oiling cups, most powerful, least complicated, very compact. E. Hippard, Youngstown, O.

Ventilators, The Advance Ventilating Apparatus. Write for estimates and circulars. The Advance Co., Richmond, Ind.

Ventilators, Evans' Improved Challenge ventilating apparatus. Quaker City Machine Works, Richmond, Ind.

Ventilating Apparatus. Send for circulars. Diller, Caskey & Co., cor. 6th and Berk Sts., Philadelphia.

Ventilating apparatus for every type of greenhouse. Lord & Burnham Co., 1133 Broadway, New York.

Ventilators, hand ventilating, etc. The King Construction Co., N. Tonawanda, N. Y.

Ventilators, ventilating apparatus of all kinds. Hitchings & Co., 1170 Broadway, New York.

Ventilators, New Departure ventilating appliance. J. D. Carmody, Evansville, Ind.

WIRE SUPPORTS.

Wire supports, model extension carnation supports, galvanized wire rose stakes, tying wires, single and double pot hangers. Igoe Bros., 63 Metropolitan Ave., Brooklyn, N. Y.

BOOKS FOR Fflorists.

The time is coming along when these are needed and opportunity at hand for reading them. Every one of the following should be in your library.

Send prices quoted and we send the books.

PRACTICAL FLORICULTURE (Peter Henderson).—A guide to the successful propagation and cultivation of florists' plants. Illustrated. 325 pages. $1.50.

FUMIGATION METHODS (Johnson).—A practical treatise on cheap and effective means of destroying insect pests. Handsomely bound and profusely illustrated. 250 pages. $1.00.

STEAM HEATING FOR BUILDERS (Baldwin).—Contains valuable data and hints for steam fitters and those who employ this method of heating. The 350 pages are fully illustrated. $2.50.

MANUAL OF THE TREES OF NORTH AMERICA (Sargent).—The most complete and authentic work on the subject. The pages number 826, with over 600 illustrations. $6.00.

DWARF FRUIT TREES (F. A. Waugh).—Their propagation, pruning and general management, adapted to the United States and Canada. It has 45 illustrations and 123 pages. 50 cents.

CHRYSANTHEMUM MANUAL (Smith).—By an expert who has given his undivided attention for twenty years to the improvement of the chrysanthemum and its culture in detail. Profusely illustrated. 40 cents.

GREENHOUSE CONSTRUCTION (Taft).—It tells the whole story about how to build and heat a greenhouse, be it large or small, and that, too, in a plain, easily understood, practical way. It has 118 illustrations. $1.50.

HEDGES, WINDBREAKS, ETC. (Powell).—A treatise on the planting, growth and management of hedge plants for country and suburban homes. A volume of 140 pages, with twenty-two illustrations. 50 cents.

THE BOOK OF CUT FLOWERS (R. P. Brotherston). — A complete guide to the preparing, arranging and preserving of flowers for decorative purposes. Handsomely illustrated. 300 pages. $1.50.

SUCCESS IN MARKET GARDENING (Rawson).—Written by one of the most prominent and successful market gardeners in the country, and who has the large t glasshouses for forcing vegetables for market in America. Outdoor and indoor crops are treated. Illustrated, $1.00.

THE VEGETABLE GARDEN (Vilmorin-Andrieux).—The best and most complete book on vegetables ever published. There are 782 pages and hundreds of illustrations in this English edition, edited by Wm. Robinson, the noted English horticultural writer. **$4.50**

GINSENG (Kains).—At the present time, when so much interest is taken in ginseng, it will be interesting to peruse this volume, which tells all about the plant in a way that all may understand. The 144 pages are freely illustrated. 50 cents.

THE BOOK OF MARKET GARDENING (R. Lewis Castle).—One of a series of handbooks of practical gardening. Shows the methods adopted by many growers who have made commercial gardening a highly successful business, based upon experience and observation in Great Britain and Europe. Illustrated. $1.

THE CULTURE OF WATER LILIES AND AQUATIC PLANTS (Henderson).—Growers of hardy and tender water lilies and other aquatics will find this an excellent guide in cultural and descriptive matters. The lists of varieties have been very carefully prepared. Handsomely illustrated. 50 cents.

LANDSCAPE GARDENING (Maynard).—The development of landscape art within the past few years compels the wide awake florist to keep posted on this branch of the business. The many suggestions of this book will be found helpful every business day. It contains 338 pages, 165 illustrations. $1.50.

THE ORCHARD AND FRUIT GARDEN (Powell).—One of the most complete works we have seen on this subject for a considerable period. It is divided into three parts, the orchard, the fruit garden and cultural directions. The volume is well illustrated and the author is a practical man who knows his subject. The book contains 321 pages. $1.50.

LANDSCAPE GARDENING (Waugh).—This is a very useful little book on the art of landscape gardening. It will be found exceptionally valuable to amateurs, as it covers in detail the numerous problems that come to the owners of small gardens. It is freely illustrated and the pictures have been chosen with a view to informing the reader rather than decorating the book. 50 cents.

AMERICAN FLORIST COMPANY,
324 Dearborn Street, CHICAGO

If you do not find what you need in our Ready Reference Department, write us about it.

Louisville.

TRADE BRISK.

Business last week was unusually good all the way through and the supply of stock was about equal to the demand. Roses of good quality are in fair supply and have a heavy demand. Carnations move exceptionally well and the quality and supply are both satisfactory. The demand for violets has been a little slow. The supply and quality are very good. Lily of the valley is good in supply and quality and the demand is satisfactory. A few lilies are on the market, but it takes a fancy price to touch them. Stevia is used in great quantities, and green goods are in fair supply. There will be a fine line of blooming plants in for Christmas, but cut flowers will be somewhat scarce.

NOTES.

Jacob Schulz has his usual fine lot of Begonia Gloire de Lorraine.

William Walker has some very fine adiantums. F. L. S.

Columbus, O.

PREPARING FOR CONVENTION.

Preparations are being made for the joint convention of agricultural interests to be held here January 15-18. Four organizations, namely: The Ohio Horticultural Society; the National Breeders' Association; the State Agricultural Association and the Farmers' Central Institute will be in session. The day sessions will probably be held in the agricultural department building at Ohio state university, and at night the board of trade auditorium will be used. W. W. Farnsworth, secretary of the State Horticultural Society, has now a desk in the rooms in the statehouse occupied by the board of agriculture. He will make Columbus his headquarters for the winter. CARL.

ELMIRA, N. Y. — Louis Solden has leased a store at the corner of West Water street and College avenue, which he intends opening shortly as a florist and seed store. He has had considerable experience in various European countries and is an expert linguist.

Small Flower Shows.

The second annual show given by the Waxahachie, Tex., Daughters of the Confederacy closed November 17, by the distribution of the prizes taking place in the evening.

Bad weather spoiled the attendance at the South park conservatories on the occasion of the chrysanthemum show at West Seneca, N. Y., November 11.

The sixth annual show of the Dobbs Ferry, N. Y., Horticultural Society was held November 9 and 10, with the pleasing result that $300 were added to the hospital fund.

Durant, Miss., was en fete for the chrysanthemum show November 17. Fine flowers and plants were shown at the City hall.

The flower show given under the auspices of the Lesche Club at Natchitoches, La., November 17 was a great success.

Music and a candy store were added to the delights of the chrysanthemum show at Victoria, B. C., November 13 and 14, the proceeds going to the Orphan's Home.

The twelfth annual flower show was held at Crystal Springs, La., November 10 and 11. Prizes for 30 blooms downwards and specimen chrysanthemums, ferns and others brought out a fine competition.

Under the auspices of the Hazelhurst, La., Floral Club a fine show was held November 15, thousands of fine flowers being shown.

About $50 was raised toward the funds for the Confederate monument at Bamberg, S. C., by the aid of a chrysanthemum show, which proved very popular.

A chrysanthemum show and supper was given at the Montgomery House, Newberry, S. C., November 9, by the ladies of the Aveleigh Presbyterian church. The display of flowers was the best seen in the town.

The Denison, Tex., civic improvement league held their first annual flower show November 9, when a fine display was forthcoming.

A very successful show of the autumn queen was held at Atlanta, Ga., in the women's club rooms at the Grand hotel.

Spartanburg, S. C., held its first flower show November 7, a ten dollar palm, a cut glass bowl and an artistic vase being among the prizes.

Flowers and babies were the attractions at Greenville, Tex., November 8. The display of roses and chrysanthemums is said to have been fine.

Good prizes were given at the chrysanthemum show held at Savannah, Ga., many local florists exhibiting.

The thirteenth annual chrysanthemum show and fair of the Omro, Wis., Horticultural Society was held at the opera house November 21-23, a speaking contest and other attractions being furnished.

The Best Way to Collect an Account

is to place it with the

NATIONAL FLORISTS' BOARD OF TRADE, 56 Pine St., New York.

Why? Because many debtors will pay the Board, fearing otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.

ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the

"Horticultural Advertiser"

This is the British Trade Paper, being read weekly by all the Horticultural traders: it is also taken by over 1000 of the best continental houses. Annual subscription to cover cost of postage 75c; Money orders payable at Lowdham, Notts.

Address **Editors of "H. A."**

Chilwell Nurseries, LOWDHAM, Notts, England

THE ART OF Floral..... Arrangement.

The first special newspaper in the world for floral arrangement.

250 ILLUSTRATIONS ANNUALLY.

Specimen number free. Subscription, $2.40 yearly.

BINDEKUNST-VERLAG, J. Olbertz. ERFURT. GERMANY.

Please mention the American Florist when writing

Please mention the American Florist when writing

CUT FLOWER BOXES WATERPROOF Corner Lock Style.

The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always.

Size No.		Per 100	Per 1000
0.	3x 4x20	$2.00	$19.00
1.	3x 4½x16	1.90	17.50
2.	3x 6x18	2.00	19.00
3.	4x 8x18	2.50	23.00
4.	3x 5x24	2.75	26.00
5.	4x 8x22	3.00	28.50
6.	4x 8x28	3.75	36.00
7.	6x16x20	5.50	54.00
8.	3x 7x21	3.00	28.50
9.	5x10x35	6.50	62.00
10.	7x20x20	9.50	67.50
11.	3½x5x30	3.00	28.50

Sample free on application. No charge for printing on orders above 250 boxes. Terms cash.

THE LIVINGSTON SEED COMPANY, Box 104, COLUMBUS, OHIO

Now is the Time

to Subscribe to the

Horticultural Trade Journal

Published weekly. The Largest Brightest, and Best British Trade Publication. Also

THE INTERNATIONAL EDITION

Published quarterly. Annual subscription for weekly and quarterly numbers, One dollar, (International money order). Subscribe to-day and keep in touch with European markets and topics.

THE HORTICULTURAL PRINTING COMPANY BURNLEY, ENGLAND.

Starved Rose Bushes Never Bloom

And the successful florist wants more than ordinary bloom and stunted stem—he wants all there is in the soil, the bush, the stem, the bloom.

DON'T STARVE THE ROOTS.

Put away your bushes this fall with plenty of fall and spring food for the roots. The richest root food, stem and bloom producer you can use is

Wizard Brand Pulverized Sheep Manure

It goes further than any other fertilizer and costs less. No waste—no refuse or seeds.

Special prices to florists and greenhouse operators. Write for booklet.

THE PULVERIZED MANURE COMPANY, 32 Exchange Ave., CHICAGO

GREENHOUSE HEATING

Complete heating plants erected or materials furnished with working plans. Write for prices on **BOILERS.**

JOHNSTON HEATING COMPANY,

St. James Building, 1133 Broadway, NEW YORK.

Please mention the American Florist when writing.

GREENHOUSE MATERIAL.

OF ALL KINDS

FOLEY MFG. Co. 471 W. 22ND ST. CHICAGO

VENTILATING APPARATUS PURLIN FITTINGS, HOT-BED SASH &C.

SEND FOR NEW FREE ILLUSTRATED CATALOGUE.

If you are having delay in getting your roof material, send your orders TO US and don't be in trouble. We will handle any order in the time agreed. Try us.

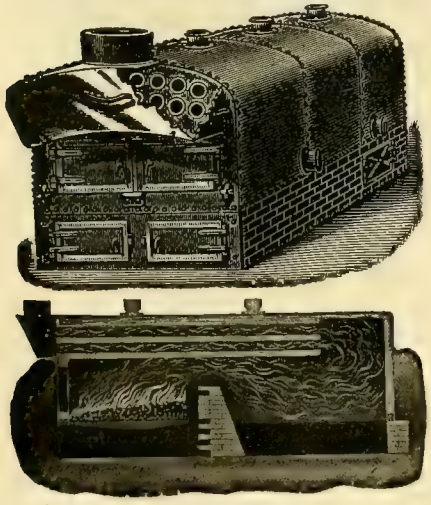
FOLEY MANUFACTURING CO., 471 West 22nd St., Chicago.

KROESCHELL BROS. CO.

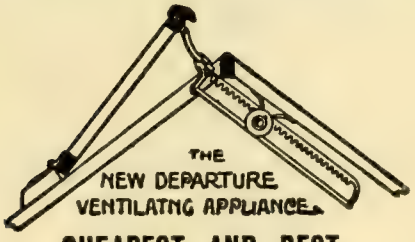
IMPROVED

Greenhouse Boiler

45 Erie Street, CHICAGO.



Boilers made of Steel Boiler Plate; shell, firebox sheets and heads of steel; water space all around front, sides and back. Write for information.



CHEAPEST AND BEST.

If you doubt it try them and be convinced. Send for descriptive price circular.

J. D. Carmody, Evansville Ind.

Please mention the American Florist when writing

Le Journal des Roses.

Organ of the French Rosarians.

Published at Paris. Once a month with colored plates.

Subscription $2.70 per Year. Sample Copies Free

ADMINISTRATION DU SUISNES **JOURNAL DES ROSES**

a SUISNES, Brie

Grisy-Suisnes. (Seine et M FRANCE.

FLORISTS, SEEDSMEN, NURSERYMEN

Yellow Pine Boards

RESAWED AND CUT TO EXACT LENGTHS FOR YOU

IS OUR SPECIALTY.

Our Prices and Material Will Please You. Furnished Delivered. Prices on Inquiry.

L. L. SATLER LUMBER CO., Pittsburg, Pa.

Mills and Branch Office: Blackstone, Va.

THE LOW PRICE HEATING PLANTS

The Chicago House Wrecking Co. is in position to offer you an interesting proposition for furnishing you with a heating plant at a saving of at least 30%. Send us a sketch of your houses with preferred location of the boiler, the points of compass and the desired night temperature for zero weather, and we will gladly submit you an exact detail quotation of all material required to install the plant. We have ***heaters*** and ***boilers*** of every kind, both new and rebuilt. We have always on hand a large number of rebuilt boilers suitable for greenhouse heating. Our stock embraces ***fire box boilers, horizontal tubular boilers, Kroeschell boilers, cast iron sectional boilers, Erie City economizers*** and other types

We can save you considerable money on ***pipe, valves*** and ***fittings;*** also on ***doors, glass, sash*** and everything needed in the construction of your buildings.

Ask for our Special Catalogue No. 47.

CHICAGO HOUSE WRECKING CO.,

35th and Iron Streets, CHICAGO.

Use our patent Iron Bench Fittings and Roof Supports.

THE JENNINGS IMPROVED IRON GUTTER.

IMPROVED VAPORIZING PANS

For Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY & CO. SUCCESSORS TO JENNINGS BROTHERS,

S. W. Cor. Sixth and Berk Sts., PHILADELPHIA.

VENTILATING APPARATUS.

HASCO LIQUID NICOTINE

FOR SPRAYING AND VAPORIZING.

15% Stronger Than Any Made.

Pts., $1.35 Half Gal., $5.25. Gal., $10.00

THE H. A. STOOTHOFF CO., 116 West St., NEW YORK.

For Best Results Advertisers should mail new advertisements and changes so as to reach us on Mondays.

THE AMERICAN FLORIST

America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXVII. CHICAGO AND NEW YORK, JANUARY 5, 1907. No. 970

THE AMERICAN FLORIST

TWENTY-SECOND YEAR.

Copyright 1907, by American Florist Company. Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

324 Dearborn St., Chicago.

Eastern Office: 1133 Broadway, New York.

Subscription, $1.00 a year. To Europe, $2.00. Subscriptions accepted only from the trade. Volumes half yearly from August 1901.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—WM. J. STEWART, Boston, Mass., president; JOHN WESTCOTT, Philadelphia, Pa., vice-president; P. J. HAUSWIRTH, Auditorium Annex, Chicago, secretary; H. B. BEATTY, Pittsburg, Pa., treasurer. Twenty-third annual meeting at Philadelphia, Pa., August, 1907.

INTERNATIONAL EXHIBITION—A grand international exhibition will be held with the annual convention at Chicago, November, 1908.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual convention and exhibition, November, 1907. ALFRED J. LOVELESS, Lenox, Mass., president; DAVID FRASER, Penn and Homewood Ave., Pittsburg, Pa., secretary.

AMERICAN ROSE SOCIETY.

Annual meeting and exhibition at Washington, D. C., March 13-15, 1907. ROBT. SIMPSON, Clifton, N. J., president; BENJAMIN HAMMOND, Fishkill-on-Hudson, N. Y., secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention and exhibition at Toronto, Canada, January 23-24, 1907. JOHN H. DUNLOP, Toronto, Canada, president; ALBERT M. HERR, Lancaster, Pa., secretary.

THE AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

Annual convention at Toronto, Ont., 1907. BYRON D. WORTHEN, Manchester, N. H., president; F. L. MULFORD, Harrisburg, Pa., secretary.

AMERICAN PEONY SOCIETY.

Third annual meeting and exhibition at Ithaca, N. Y., 1907. C. W. WARD, Queens, N. Y., president; A. H. FEWKES, Newton Highlands, Mass., secretary.

Contents, page 1148.

Advertising Rates, 1148.

Index to Advertisers, 1176.

Ready Reference Advts., 1177.

Christmas Trade Reports.

AGAIN we have to chronicle a decided improvement in holiday business for 1906. In almost every report from our correspondents an increase of trade is reported, a very small proportion, indeed, being of a contrary character. Some show an increase of quite a phenomenal nature, while the majority tend to reassure fellow craftsmen of the stability and importance of the trade throughout the country. In many sections the dull weather, occurring for a month before Christmas, led to a falling off in quality of stock, possibly in quantity also, but in a few more favored locations this was not felt. A pleasing feature is the increase of sales of small amounts to persons of moderate means, such trade being usually indicative of general prosperity. Plants in pots for decoration showed quite a remarkable increase, but satisfactory as this must be, there is a growing opinion among retailers that in part at any rate this is occasioned by the high price of cut flowers. Times of exceptional demand, coupled with unfavorable climatic conditions do unquestionably account in a great measure for high prices and growers naturally have to make the best harvest they can. Artificial inflation of values has not been complained of as much as in former holidays, a healthful sign we hope to see continue. Regarding bulbous stock there is no special increase to record and naturally growers will not look on this as an unmixed evil. Reports from our correspondents follow:

WILMINGTON, DEL.—H. P. Potter reports a falling off in trade of about 20 per cent, though the quality of the flowers was better than last year. The supply was just about equal to the demand.

ATLANTIC, IA.—The Atlantic Greenhouses sold about 25 per cent more than last year at better prices, and at this could not fill all orders. Roses were not as good in quality as usual, but carnations and violets were good, with a heavy demand. Flowering plants, holly, mistletoe and greens generally sold better than for years previously.

GRAND FORKS, N. D.—Trade must have been exceptionally good here, 25 to 30 per cent being Frank V. Kent's estimate of the increase in the total sales. Prices too were higher and the supply on the market was insufficient except in the case of bulbous flowers, for which the demand was slight. Roses were the flowers principally in demand.

NORWALK, CONN.—R. G. Handford reports that more first class stock could have been sold were it forthcoming, the sales and prices being about as usual. Bulbous flowers were not in great demand and the quality of the flowers was below par owing to the dull weather experienced. Red carnations, Richmond roses, pot poinsettias and ardisias were in special demand.

AUBURN, ME.—Geo. M. Roake writes that the high prices of holiday cut stock checks trade and reports an increase in the sale of plants. The supply of all flowers was equal to the demand and the quality was better than last year. Carnations were in special demand.

AURORA, ILL.—Cut flower sales were better and the sales of pot plants 20 per cent better, says Peter Freeman. Bulbous and ordinary stock was in fine demand and the supply was good, the prices being about the same as last year. Carnations sold best of all but the violet sales were rather disappointing.

HALIFAX, N. S.—A 15 per cent increase in sales at slightly higher prices, is the report of F. K. Killam. The flowers were of better quality and not sufficient to meet the demand. Bulbous stock was good and sold well, but carnations and roses led. Plants all round were in increased demand, especially primulas and made up pans of ferns and foliage plants.

FREDERICTON, N. B.—Some 25 per cent increase in sales at higher prices than last year, write John Beddington & Son. Carnations were short in supply and but few roses were left, the quality of the latter not being as good as that of the former. Plants of primulas, azaleas, poinsettias and others sold well and there was an increased demand for Boston ferns and holly.

GARDNER, MASS.—F. W. Murdock notes a considerable increase in business over last year and better prices. The quality of the flowers was up to the average and the supply about equal to the demand. Azaleas, cyclamens, primulas and other flowering plants were in great demand.

MEXICO, MO.—C. C. Sonneman reports sales as 25 per cent better than last year and the prices 25 per cent higher. The supply of flowers was not equal to the demand and the quality, especially of carnations, was better. Carnations and flowering plants were in great demand, also all kinds of decorative material of an artificial nature.

WINONA, MINN.—About 20 per cent increase over last year is the report on sales from Fuhlbruegge Bros., with prices 30 per cent higher, although the supply was about equal to the demand. Red roses were especially asked for and the quality was better in all cases than last year. Flowering plants met with an excellent demand.

DENISON, TEX.—The sales were about 15 per cent less than last year, according to the Denison Greenhouses, yet the supply of flowers was not up to the demand, neither were they of as good quality, the dull wet growing season being the cause of this. Plants met with a good demand, but there was nothing exceptional in any phase of the market.

BEATRICE, NEB.—The Dole Floral Co. report better sales than last year with prices about the same, except on carnations which brought more money. The supply of flowers was not equal to the demand, but what there was showed better quality. Carnations of good class are the flowers to grow, while there is an increased demand for flowering plants in pots.

BRIDGEPORT, CONN.—Sales were greater than those of last year and prices higher, according to Fred Jackson, with the supply about equal to the demand. In bulbous stock Paper White narcissus was the only thing in demand. Roses were in some cases better than last year. Palms did not sell as well as ferns, but there was a great call for wreathing and greenery.

JACKSONVILLE, FLA.—A. E. Singleton reports an increase of 10 per cent in the volume of business, with prices much better than last year. Carnations were not equal to the demand, but bulbous flowers were plentiful. The quality in all cases was better than last year. Narcissus and callas were in special demand and holly was more extensively used than ever before in cemeteries, etc.

PORTLAND, ME.—Higher prices for roses and a general increase in sales of 25 per cent, is the report from L. C. Goddard. The supply was short on violets, carnations and roses, but bulbous stock was plentiful, with a little better demand. The pickling process was indulged in with roses and the quality was not up to the usual standard. Carnations and pot plants had a greatly increased demand.

PEORIA, ILL.—There was a great increase in sales over last year, according to Jas. C. Murray, but there was a good supply, while the supply of and demand for bulbous stock was encouraging. Carnations were exceptionally good and the demand for pot plants was excellent. Greens were not much called for, but Merry Christmas chrysanthemums and carnations were even better in demand than roses.

GALESBURG, ILL.—Prices and sales were practically the same as last year, according to H. F. Drury, but there were not enough flowers of the leading kinds to meet the demand. Bulbous flowers were not very plentiful, but the demand was not heavy. There was an increasing call for azaleas and for poinsettias in pans, while the quality was about up to the average.

ELMIRA, N. Y.—E. Orvis reports that he could easily have sold 100 per cent more carnations had they been forthcoming. The total sales were 10 per cent higher than last year, at prices about the same average. The demand for bulbous flowers was not very great, and the quality of flowers generally was not up to the usual standard. A pleasing point noted was the increase in cash over credit sales and the demand for flowering plants was exceptionally heavy.

Alfred J. Loveless.
President Chrysanthemum Society of America.

BRANDON, MAN.—The trade is evidently booming in the Canadian Northwest, the A. E. McKenzie Co. reporting the supply of all kinds of flowers as unequal to the demand, notwithstanding an increase of 100 per cent in the total sales and a 10 per cent rise in prices. A great demand was noted for holly and mistletoe, also for geraniums as pot plants, while the quality in all cases was good. There was a fair demand for, and supply of, bulbous flowers.

GALT, ONT.—Hugh Armstrong says that the total sales were higher by about 25 per cent than those of last year, while there was no great difference in the retail prices. The supply of roses, carnations and violets were not nearly equal to the demand, but both supply and demand for bulbous stock were good. Boston ferns and flowering plants were in increased demand but the quality of the flowers on the market was about the same as usual.

GRAND RAPIDS, MICH.—Cornelius Kunst says that there was an increase of 10 per cent in sales, the prices of last year being well maintained. He also notes that people want self-colored flowers and plants. Roses and azaleas that are half red and half white are not wanted. Straight colors, or none at all. The supply of flowers was not equal to the demand, though larger than last year. Red flowers were especially inquired for and there was an increase of 20 per cent in the sales of pot plants.

ROCKFORD, ILL.—The supply of roses, carnations and violets was not equal to the demand here, according to J. J. Soper; the prices obtained were higher and there was a gain of 25 per cent in the sales. Bulbous flowers were not in great demand but the supply was about equal. Lily of the valley and violets were especially called for but the quality of all stock was not as good as last year. There was an increased demand for decorated plants, also foliage plants, but artificials and greens were not much wanted except for churches.

BENNINGTON, VT.—There was a rise of 20 per cent in L. C. Holton's sales and in no case was the supply equal to the demand. Violets brought higher prices, but other stock was about the same as last year. The chief demand in bulbous stock was for hyacinths in six to ten-inch pots. Fewer flowers of better quality was the local condition and a considerable increase in the demand for palms ferns and flowering plants was noted. Sales as a rule were smaller and there were fewer large sales, showing an increased demand for flowers by persons of limited income, a healthy sign when taken in conjunction with the increased totals mentioned above.

SIOUX FALLS, S. D.—The sales here were about the same as last year according to Mudd & Thomas, but the prices obtained were 20 per cent higher. Roses, carnations and violets were sold clean out and of bulbous flowers Paper White narcissus was the only kind in demand. The quality of the home grown flowers was up to the average, but stock purchased outside showed a falling off in quality. The demand for chrysanthemums was exceptionally great, as was that for Boston ferns and Christmas peppers. The demand for American Beauty roses was exceptionally good and there was not nearly enough to go round, while a better grade of pot plants of all kinds than usual was asked for.

COLORADO SPRINGS, COL.—About 20 per cent increase in sales, with prices practically the same as last year, is the report of the Pike's Peak Floral Co. Roman hyacinths and Paper White narcissus were plentiful but there was not nearly enough roses, carnations or violets to meet the demand. With the single exception of roses all stock was of good quality, which was fortunate, as there is constantly increasing demand in the west for the very best grades of stock and all must grow the best if they wish to do business. With regard to plant sales there was no noticeable difference, but poinsettias and the better grade of American Beauty roses had a greatly increased call.

MOUNDSVILLE, W. VA.—G. A. Miller has opened up an additional cut flower store on Lafayette avenue, where it is expected he will be successful.

THE THREE NEW DIRECTORS OF THE SOCIETY OF AMERICAN FLORISTS.

Samuel Murray. Theodore Wirth. J. K. M L. Farquhar.

Society of American Florists.

THE NEW DIRECTORS.

The new directors of the Society of American Florists need no introduction to our readers. Theo. Wirth, park superintendent of Minneapolis, formerly for many years in a similar capacity at Hartford, Conn., was appointed by President Wm. F. Kasting to fill the unexpired term of P. J. Hauswirth, who takes office as secretary. Samuel Murray, the well known Kansas City florist, and J. K. M. L. Farquhar, the Boston seedsman, were appointed by President Stewart.

Alfred J. Loveless.

Alfred J. Loveless, who this week assumes the presidency of the Chrysanthemum Society of America, was born September 26, 1866, at Langford, Somerset, Eng. He commenced his gardening career at 12 years of age in the Langford House gardens. At 19 years of age he held his first position as head gardener. After serving in a similar capacity on several of the show places in England and Ireland he came to the United States in March, 1889. Immediately on his arrival he secured a position at W. B. Dinsmore's, Staatsburg, N. Y., which at that time was one of the best places on the Hudson river, noted for its fine collections of orchids and stove plants. Mr. Loveless was later employed as gardener for S. W. Robbins, Wethersfield, Conn., and in 1895 was appointed superintendent of the Wynhurst Gardens, Lenox, Mass., his present position.

Mr. Loveless is a great lover of chrysanthemums, having always made them a specialty and well developed flowers are constantly in evidence at his place during the season. He has been a very successful exhibitor and his first interest in chrysanthemums dates back to the introduction of Mrs. Dixon, Mrs. Geo. Glenny, Hero of Stoke Newington, Gluck, Meg Merrilees, John Salter, and Fair Maid of Guernsey, which compared with the varieties of today are mere pigmies, as Mr. Loveless expresses it.

SUGGESTIONS FOR FLORISTS.

The Sowing of Seeds.

The first thing the man who is not successful with the sowing of seeds will generally do is to put the blame on the seedsman and only too often it is entirely his own fault. There is no doubt but that nearly half of the seeds sold in the country every year is wasted, on account of lack of knowledge as well as carelessness on the part of the planter and only a small percentage of loss can be charged to unfavorable climatic conditions and soil, outdoor planted seeds especially. Every reliable seedsman of today is doing his utmost to give the planter the best value for his money, and it is left for the grower to intelligently and carefully make use of the seeds in order to be successful with them.

For small seeds, such as begonia, lobelia, petunia and others, 12-inch bulb pans are best. Put a handful of crocks in the bottom of the pan; cover these with about one inch of coarse soil; fill up the pan to one inch of the top with finer soil; press the soil down well along the edge of the pan, even the entire surface, and give a thorough soaking with warm water, after which sift over the whole enough fine soil, consisting of a mixture of loam, leaf mold and sand to make a perfectly smooth surface; then use your Scollay sprinkler and moisten the surface. You're ready now for seeding, and as much seed as you can hold between your thumb and forefinger is sufficient for one pan. It will take from eight to 10 movements of the hand across the pan to distribute the seed evenly. Water gently again with the sprinkler. Cover the pan with a piece of whitewashed glass and write on the outside rim of the pan the name of the seeds sown, and the date. Lift the glass every day to see that the surface is kept moist, always using a Scollay sprinkler. Don't use water as it comes out of the hydrant, but water a few degrees warmer than the temperature of the house.

As soon as the seeds begin to germinate raise the glass on one side to allow air to get to the seedlings; remove the glass entirely before the young plants begin to get drawn, and don't expose them to the full sunlight too soon. I might mention that for fine seeds which require longer than 15 days to germinate, and especially with fern spores, it is well to expose the soil which is to be used for the top layer to fire heat for a few minutes in order to kill the weed and moss germs which usually causes trouble during the time the seeds are germinating. For larger seeds such as asters, verbenas, pansies and others, the operation of sowing is simpler. Use boxes of convenient size, say 16x20 inches, or such as will best fit your benches. Use three inches of porous soil and press down well along the edge of the boxes. Sow thinly, cover only enough to leave the seeds invisible after watering, and don't let the young plants suffer in the hot sun for the want of watering.

Regarding the proper temperature, it is not advisable to let the seeds, whether of cold or warm house plants, remain too long in a low temperature. The sooner they come up the better. So a gentle bottom heat is best. All seedlings will stand a much higher temperature than the young plants will require afterwards.

The Propagating Bench.

The ideal location for a propagating bench in your greenhouse is a spot which is well ventilated and light, and yet protected againt the rays of the sun. By well ventilated I do not mean a constant draught, but a place where the sand of the bench is exposed to pure air. It is always best to have sufficient hot water returns below the bench, as a gentle bottom heat is beneficial to all cuttings that are usually propagated by the average florist. Wherever more heat is re-

quired, as is the case with Begonia Gloire de Lorraine, heliotrope and others, the sides of the bench will have to be enclosed. Three inches of sand is in most cases depth enough for the bench. It matters little what kind of sand is used. The main point is to have it clean. One reason why sand is used in propagating is that it contains no decomposed vegetable matter, which if present is likely to cause trouble with the cuttings. It is therefore best to use fresh sand after one batch of cuttings is rooted.

Some say that this is too expensive. I am sure, however, that if there are no other unnecessary expenses attached to the running of the business, the renewing of the sand will only be a small item. The old sand can always be used in more ways than one. No matter how careful you are with your cuttings, in most cases decayed pieces of cuttings that did not root, or leaves, will remain in the sand after your rooted stock has been taken out, which will quicker than anything else produce fungus and the damping off of soft-wooded cuttings. Before the sand is put into the bench all cracks and corners should be thoroughly cleaned out with the hose followed by a coat of fresh hot whitewash. Don't use six-months-old stuff, smearing the benches an inch thick, but have it fresh and apply as thin as possible. Cover every bit of the bottom and sides of the benches as well as the edge. Insects and snails do not like to crawl over the whitewashed edge of the bench. To spray the sand with an ammoniacal solution, or to dip the cuttings in it, is a good thing, but to prevent the appearance of fungus and other pests by cleanliness is better. The sand should be pounded down well before receiving the cuttings. If dry it should be watered. Use a lath to get your rows straight and square with the edge of the bench. It is an easy matter to make five to ten rows straight by the eye, but not so when it comes to hundreds of them. Always start to put your cuttings in from one end of the rows, in case you have named varieties of one class of plants. Where labels are used this course will prevent serious mistakes. When one row is filled press the sand firmly along each side so the cuttings are in solid and upright; no direct air should get to their lower end. One to 1½ inches in the sand is deep enough for most cuttings.

While some cuttings will stand quite a little sun, it is best, should you have your bench in a sunny place, to keep it away. Newspapers spread over them are unsightly and liable to blow away on hot, windy days, when the cuttings most need shade. It should be an easy matter to devise some means by which you can use thin muslin or cheap cloth that will best suit your bench. Do not place it on the cuttings, but at such elevation as permits of a good circulation of air. Nor is darkness of night desirable, but just such protection against the rays of the sun as will prevent the drying up or wilting of the cuttings. While the first water the bench gets after the cuttings are in should be a thorough soaking, usually no more watering is needed for a few days. Don't keep the sand soaking wet, but keep it moist, and it is not proper to keep your sand, say at 58° and use water at 35°. A light spraying will keep the foliage of the cuttings fresh and can be applied daily, except in damp cloudy weather. A properly arranged and well filled propagating bench is a pleasure to look at, and one can tell at a glance what prospects there are for later results with the young stock, for the man who starts right is more likely to succeed than the one who doesn't.

Marguerites.

The marguerite (Chrysanthemum frutescens) is a most useful plant with a lot of us, and this is a good time to propagate. Small plants from January struck cuttings will make, if left in 2½-inch pots, excellent material for made-up pans and dishes for Easter. You don't want to pinch the young plants back for this purpose. Let them grow and branch out as they like. They will do best in a heavy soil, as they are not liable to make as rank a growth in heavy as in light compost. In a temperature of about 48° a good many of the young plants will be full of buds by the middle of March. Put 10 to 14 plants in a 10-inch or 12-inch bulb pan and give them a little more heat and you will have them in full bloom by Easter. Those pans trimmed with white waterproof crepe paper will sell from $1.50 to $2 each. If you have never tried this, do so this season. Your customer will prefer them to the stock usually offered, which requires two feet of paper around the lower part of the plant to hide an unsightly stem. The plants which are not showing buds by March 15 ought to go into the 3½-inch pots and those that are not sold at Easter should be carefully taken out of the pans and given 4-inch pots. They will make fine stock for spring sales. Marguerites are not by any means to be called perfect vase or window box plants, yet a vase filled with S. A. Nutt geraniums and marguerites, all in bloom, with a good Dracæna indivisa in the center, and the edges of the vase covered with bushy vincas, is a great temptation to your lady customer, and she seems to forget that her daisies last year did not bloom all summer, were unsightly, or the flowers they produced were small and short stemmed in July and August.

Begonia Erfordii.

This charming bedding begonia isn't by any means a new introduction. It has been grown for years, and while almost every park in the larger cities has a few beds of it, which are always admired by the public, few plants are seen at the smaller commercial places where the growing of bedding plants is a specialty. Your customer who will ask for the newer varieties of carnations, roses or chrysanthemums is just as anxious in spring to see something different from the old varieties of geranium, salvia, coleus or canna which she has had for years in the same beds. There is quite a number of varieties of plants for bedding purposes that can be grown in parks, or private places where good gardeners have charge; but when you have to fill the beds in spring and then leave them to the mercy of the man who is expected to do everything which needs doing in the house and stable, who will while washing the porch occasionally "sprinkle the flowers," as he calls it, you have only a few varieties of plants which will with such treatment look half-way decent. Begonia Erfordii is one of them and it is an everbloomer.

VANDA COERULEA.

We remove the little pink flowers from the cuttings in January, and in ten days the propagating bench is a mass of pink. Plants in 3½-inch pots retail in May at 15 cents each, take less room and trouble than geraniums, will do as well in the shade as in the sun, grow in light or heavy soil and a bed or border of them will be admired from the day it is planted until frost. Don't make the mistake of propagating from the old flowering stems. While these root readily they will not branch out, but just make one straight shoot which will be of no use to you. Cut the old plants down, and use the young growth from below for propagating. If you make cuttings now you will have nice little plants in 2½-inch pots by the middle of March. You can use some of the plants for dishes at Easter and you will find call for quite a number of them.

Lobelia.

This is another of those plants which, while it gives out before the summer is over, is indispensable for the filling of vases and boxes. We have as yet nothing of its color that could take its place. The best way to propagate it is from cuttings which, if you are short of stock plants, ought to be started now, for this young stock will in February and March give you a lot of cuttings. If you have no stock plants, sow seed at once. The varieties Crystal Palace and Emperor William are both good. Every seed will come up, so don't sow too thickly. The little seedlings are so small that it is best to take five or six at a time when transplanting them for the first time. Don't have the young plants standing too closely in April; they are liable to lose their lower leaves and grow spindly; give them room. Along the edge of the bench, where they can hang over, is a good place for them. Nice bushy plants, just coming into bloom in 3-inch pots, are what you want for May. Should you grow your plants from seed this year, see to it next spring that one dozen of the best colored plants are set aside for stock, as even the best of seed will produce a number of different shades of blue.

ALLENTOWN, PA.—E. M. Young is building a greenhouse at his residence, Fifteenth and Hamilton streets. Concrete construction, as far as possible, is being used.

BOWDOINHAM, ME.—E. B. Sprague of Bay road is making extensive repairs and additions to his greenhouses in order to bring them into line with his growing business.

ROCK ISLAND, ILL.—L. Stapp has just closed an order with the Standard Pump & Engine Co., of Cleveland, O., for one of its latest models of combination pumping engines.

DAYTON, O.—The National Cash Register Co., employing 5,000 people with a pay roll of $4,000,000 yearly, wants to move to a city with a population of 200,000, north of Dayton and Pittsburg.

ROTHESAY, N. B.—P. E. Campbell makes a great specialty of carnations in his greenhouses here and he has a gorgeous display. Smilax, sweet peas, pot plants and roses are also in excellent condition.

PHALÆNOPSIS GRANDIFLORA RIMESTADIANA.

ORCHID NOTES.

CALANTHES of the vestita section are such beautiful and easily grown orchids and so suitable for decoration withal, that an effort should be made to increase their popularity. Compared with many other species they are cheap, and once a few stock plants are procured these may be increased very readily. We have frequently cut up a single bulb into a dozen and more pieces and placed these upon pans of sphagnum moss. Every piece will break strongly and by the end of the second season they are fine plants, carrying large spikes. The kind used was the hybrid C. Veitchii, the popular rosy pink, but the true vestita varieties may be treated in the same way, only the bulbs being usually smaller do not make so many cuttings or sets.

Vanda Coerulea.

Beginners in orchid culture will not find this a difficult species to manage provided they do not over water it or give it too large a pot. All vandas, and indeed, all orchids of the single stemmed tribe with distichous leaves, must have a firm hold on the home of their adoption if they are to be healthy and as the roots of V. coerulea are not as freely produced as those of the larger growing kinds like V. suavis or V. tricolor, the receptacle in which they are grown must be somewhat small. What in other plants would be termed a pot bound condition is just the condition V. coerulea likes, and nothing but clean crocks, charcoal and sphagnum moss is needed as a compost.

If newly imported plants are purchased, lay these out on a moist stage or bench in order to plump up a little before potting them up. Or if more convenient, pot them up right away in clean crocks only, watering them twice daily. V. cœrulea is a native of India, where it grows at considerable altitude, and where frosts are of frequent occurence. For this reason very hot moist conditions, such as suit the tropical kinds, generally are not needed, are injurious in fact. Plenty of light and air with an atmosphere nicely balanced for moisture suits it well. The color of the flowers in the best forms is a beautiful intense blue, but unfortunately these are not as common as the paler forms, and still more unfortunately the better forms are weaker and more difficult to grow than the pale, poor colored ones.

Phalaenopsis Grandiflora.

This fine species of moth orchid does not differ very materially from the popular P. amabilis, either in form, manner of growth or cultural needs; nor are the flowers very different to a casual observer, though botanists think it necessary to give it specific rank.

Phalænopsids like abundance of heat, their natural habitats being well within the tropics, but heat alone is not what is necessary. The growth needs to be gently stimulated in early spring and maintained during the summer months. In late summer and autumn the growth already made needs to be consolidated by exposure to a little extra light, a little less moisture being at the same time maintained. Winter practically is a resting season, but this must not be understood as recommending a time of drought, for this would be probably followed by the loss of all the best leaves made during the summer.

The transition from growth to rest and from rest to growth again must be brought about not suddenly but slowly and in a natural manner, one season merging into another as it were with no hard and fast line between them. Then the plant feels no check but continues in health right along. No strict rules need be laid down for temperature either; the minimum night temperature in winter may be placed at 60° but the grower need not be alarmed for his plants if this falls or rises a few degrees. Dull days ought to show only a very slight raise but when bright from 70° to 80° will be suitable. In summer 65° to 70° is a good night temperature rising by day with sun to 90° or so. It will be necessary to shade almost continuously in summer, but get rid of the blinds as early as possible in the fall, consolidating the growth and rendering it capable of withstanding any slight changes of temperature that will occur in winter even with our best care. Root moisture is an important point and must be in a manner supplied somewhat in ratio with heat. But always keep in mind that no orchid was ever hurt by being kept waiting a day for water, but more plants have been killed by a constantly wet state than by any other detail of mistaken culture.

An Abnormal Cattleya.

On November 24, p. 844, we figured and noted an abnormal spike of Cattleya labiata. According to the Gardeners' Chronicle, December 1, the same thing has occured in England in the collection of Richard Nisbet of Burton on Trent.

Could a complete history of sports be written it would surprise many to see in what a number of instances the same or a similar sport has occured in widely separated locations at or about the same time. In orchids it seems to us that this triplicating of the lip is progressive. In many species, such as the little known Paxtonia rosea the lip is practically the same as the other two petals and the sepals, and presumably this was, generations ago, the normal orchid flower. The lip itself in its evolved or progressive form is really abnormal, and has been evolved in order to attract insects, for the purpose of fertilization, by its unusually bright colors, the lines of color leading to the sexual and nectar secreting portions of the flower also tending in the same direction. The best known instance of "Trilabellia," as Reichenbach called this peculiar sporting, is Dendrobium nobile Cooksonianum, a fine garden orchid with the bright purple tint of the ordinary nobile lip repeated on each petal.

Mignonette Culture.

For some reasons more cultivators fail with mignonette than with most other crops, yet it is by no means a difficult one to grow if gone about properly. Doubtless there are occasional failures owing to sowing bad stocks of seed, for there are many weedy varieties about that never would produce good flowers, no matter how well they were grown. But this is the fault of the florist, for there are plenty of good kinds on the market and if for the sake of a little difference in price a rubbishy kind is obtained then it is only another case of false economy.

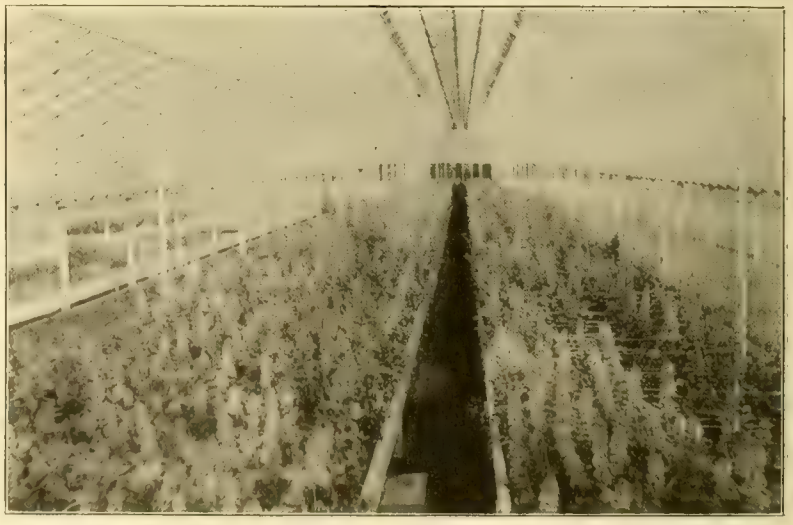
To produce flowers in December the seed should be sown in early August, with later batches at intervals of a week or longer, according to the demand, up to the end of September. The seed should be sown in small pots. These must be filled with light soil made firm and about three seeds should be sown in the center of each after giving the pots a thorough soaking of water. Cover the pots with mats or paper to keep out the light, and in a few days the seed will germinate. Be sure that the covering is not left on after the seeds begin to sprout, or they will be spoiled in a few hours. From the first the pots are to be stood in a clear light as close to the glass as possible. The one good watering given will in most cases serve them until the seedlings are getting the rough leaf, but daily light spraying, or twice when bright, will be required. Many otherwise correctly grown lots of mignonette are ruined by over-watering in the early stages.

When it is easily seen which are the best plants, thin them down to one in each pot. Never neglect this, for upon the production of good strong leaves at first much depends, as will be seen. It is useless to say, keep the plants cool, for as a rule in August, if fully exposed to the sun as they should be, they can't be kept very cool. But let them have all the air possible day and night, and while not allowing them to suffer, avoid over-watering both at the roots and overhead.

CUT FLOWERS.

Mignonette for cut flowers is usually grown on benches or solid beds. Either are suitable if well drained. Six inches of good soil is ample; let it be firmly placed to induce a solid rather than an over rapid growth, and in a nice condition as regards moisture, not wet, but not so dry that water will be needed just after planting. The right time to plant is just as the roots reach the side of the pot. If the plants have been grown as noted, in airy light quarters, the leaves will be also hanging over the edges of the pot, though the plants are only about two inches high. Plant firmly about 15 inches apart each way, or as near this as the size of the bench will allow. Many growers leave a hollow space around the plants as they think this facilitates watering, but it is not really necessary. If the ball of the plant breaks and injures the roots throw it away, for it is very important that all the plants are near as possible the same size, and when the roots are broken it will surely injure that individual plant. Use the greatest care then in planting, and firm the plants well, for it will be well repaid by the increased health of the plants.

As far as possible plant in the afternoon, as this gives the plants a night to recover. But if gently watered to settle the soil around them, and lightly sprayed several times daily when bright, they will hardly feel the removal, but keep growing right along. Here it should be noted that the common white butterfly is one of the worst possible enemies of the mignonette grower. It comes through the ventilators and lays its eggs upon the young plants, and in an uncommonly short space of time these hatch into the well known green caterpillars. So rapidly do these grow and so voracious are they, that in an incredibly short space of time they ruin the plants. The insects too, it is well to note, are so nearly the same color as the leaves and stems that it is very difficult to see them, hand picking being almost useless. The only safe way is to cover the ventilators with netting, and so keep the butterflies out, and this



HOUSE OF MIGNONETTE AT POEHLMANN BROS., MORTON GROVE, ILL.

should be done in all cases before planting, for it is remarkable how quickly these flies find mignonette.

As soon as the plants are re-established, the point should be pinched out of each. By this time the plants should have 10 or more good flat leaves, and if the point only of the plant is taken each of the eyes at the base of these leaves will break, and a stout plant with eight to ten strong shoots will result. As a rule the upper shoots are the weakest, owing to the leaves not being as fully developed as the lower ones, so the grower will now see the advantage of beginning well and laying a good foundation of strong, healthy leaves. Six to eight of the best shoots may be left and before they are long enough to fall over a central stake should be put to each plant and the side shoots loosely looped up to this. All through the growing season mignonette should be lightly and frequently sprayed, heavy douches that saturate the soil leading to badly colored foliage and weak growth. The roots too, must be judiciously moistened, not always kept moist but allowed to dry out fairly well and then given a thorough soaking. Light feeding is necessary but this too requires care, and it is better to leave it alone altogether than to overdose it in the least. In cutting the first crops do not go too low down as the hard wood does not break so readily as that which is about half ripened.

POT PLANTS.

The culture of mignonette in pots is practically the same up to the time the plants are pinched, but, of course, the plants are potted on instead of being planted out. Good soil is absolutely necessary in pot culture. The basis is good fibry loam, and some half rotten manure or leaf soil should be added in proportion as the soil is heavy or light. A sprinkling of a good fertilizer should be added, and of course, when the plants are getting potbound, feeding with liquid manure should be more liberal than with the benched plants. In either case cool, airy and comparatively dry quarters are best for mignonette. A dwarf variety is best for pot plants, such as a good form of Machet, but some of the taller forms such as large flowering Pyramidal or New York Market are best for cutting, owing to the longer stems produced. If judiciously fed, fine plants 15 inches high and the same through with eight to ten spikes on each can be reared in 5-inch pots.

ASPARAGUS DUCHENI AT THE PHILADELPHIA SHOW.

See issue of November 17, page 794.

To Be Done Now.

IN THE GREENHOUSE.

Pot grown hydrangeas, now largely imported, are the best stock for forcing for Easter.

Keep palms well on the dry side, especially where the temperature rules a little low.

The best place for newly imported roses and other semi-hardy stock is a quite cool house, a degree or two of frost not being so detrimental to them as heat.

Push the stock plants of bouvardias a little to induce them to break freely. Plenty of stem cuttings are useful if stock is scarce.

Select carnation cuttings so that all that are planted together are as near the same length as possible.

Avoid placing plants, on which there is any suspicion of insects, in the propagating house, or anywhere near young growing stock.

Keep Cypripedium insigne growing freely after the flowers are over. A check now will mean weak flowers next season.

Dracæna seedlings should be given just enough water to keep them moving gently. Keep the surface soil sweet by occasional stirring.

Select the clearest colored flowers of the Rose Pink Enchantress carnation and propagate freely from the plants carrying them.

IN THE STORE.

Heaths are soon killed by being allowed to dry, their roots being very fine and unable to stand any check such as this entails.

Store all brightly tinted ribbons in dark drawers or cupboards, or any place out of the reach of dust and light.

Keep track of all holiday sales with a view of knowing how to prepare for next season.

When trade is quiet and you have breathing time, think out ideas to make your windows and store attractive to the public.

The long stemmed kinds of orchids, like Laelia anceps and many oncidiums, do not last as well when cut as those with shorter stems.

Dracæna terminalis, if hardened a little before placing in the window, is a good and lasting subject.

Flowers with hard woody stems cannot absorb water so freely as those of a softer texture.

Dull tinted vases of compressed paper are excellent for showing cut flowers in, being light and harmonizing with the color of the flowers.

The customer who asks questions about flowers is not always a crank. Nothing is lost by civility even though a sale is not always effected.

OUTDOORS.

Rubbish is only useful matter in the wrong place. Look out the right place for it and put it there.

Have sufficient herbaceous plants taken up and stored to fill any orders that have to be executed by given dates.

Cover the roots of all trees in sheds or cellars and keep them covered

Draughty dry conditions are almost as injurious to them as frost.

Look over the labels on the herbaceous plants; note all that are decayed or indistinct and prepare new ones.

That half burned coal on the ash pile should not be wasted. Get it sifted out.

Where there is room keep the peat stack low, as the air gets through more freely than when a very large pile is made.

Should dull unseasonable weather continue, do everything possible in the way of ventilating at night, to keep dormant stock from starting into growth.

Side up the potting and tool sheds on wet days; get the tools in order and clear out all old forcing material where it has been used. Be ready for whatever is coming to you.

Campanulas in Pots.

Campanulas are not only very showy and useful for outdoor planting in borders and beds, but they can also be grown into large specimen plants in pots or tubs to be used either for inside decoration or for placing in exposed places on piazzas or porches, or anywhere that temporary effect in plants in bloom may be desired. They are suitable for that kind of work, not alone because of their appearance which is rich and of a flourishing character, but also because they will stand more exposure to wind, rain and a low temperature or a high one than anything else that could be used advantageously.

Campanula seed, for plants to be grown in pots, should be sown in shallow flats early in the fall if possible and when the seeds are large enough to handle either pricked off into other flats or potted into very small pots and repotted until they are in 3½ or 4-inch pots before winter, in which condition they may be wintered over in a cold frame. In early spring they will require shifting until they are in the required size of pots or tubs.

Campanulas are exceedingly gross feeders; for that reason the potting material should be very rich, using a liberal portion of decayed cow manure for the compost. They will also stand feeding with liquid manure freely when coming into bloom. M.

European Notes.

The Riviera flower growers finding their usual commission salesman unable to handle their flowers advantageously have instituted a new system and are now sending them to salesrooms, especially in Germany and Belgium, to be sold at auction. Naturally this does not meet with the approval of the wholesale florists and commission salesmen. Prices of course are no better in the auction rooms. When the present glut is over markets will resume their normal conditions and commission salesmen again open wide their doors for consignments. Some of the auctioneers, however, once in the business may succeed in diverting supplies. The prospects are favorable for the Riviera growers having a good time from Christmas onward, as all other flowers for late December and January will be over. Carnation growers are not enamored with present prices, but their turn will also come when the chrysanthemums are out of the way. Eighty tons of mistletoe despatched from Normandy a day or two ago is now due in Covent Garden; supplies of mistletoe and holly are plentiful.

Under the auspices of the National Sweet Pea Society, London, trials of sweet peas will be conducted at the University college, Reading, next season. Not only does the society invite British growers to send new varieties for trial, but extends the invitation to continental and American growers. The seeds must be sent to the superintendent, Chas. Foster, as soon as possible. Each variety is grown under a number and in July the trials are inspected and reported upon by the society's floral committee. Hundreds of people visit the trials on their own account and compare notes.

At the society's exhibitions last summer the following awards were made: First-class certificate to Audrey Crier (C. W. Breadmore, Winchester).

Campanula Rosea.

Grown by W. G Posting, gardener to Mrs. Winthrop Chandler, Newport, R. I.

Awards of merit to Horace Wright, Maud Guest, Princess Maud of Wales (Henry Eckford, Wem); Elsie Herbert, Etta Dyke, Mrs. Collier (C. W. Breadmore); Queen of Norway, Tom Bolton (R. Bolton, Carnforth; Mrs. Rothera (T. Rothera & Co.); The Marquis (Dobbie & Co., Rothesay); Queen of Spain (Hurst & Son, London). Evidently there is money in sweet peas; Horace J. Wright, late secretary of the society, lecturer, journalist, etc., is commencing business as a sweet pea specialist at Wandsworth, near London.

BEE.

PITTSBURG, PA.—Randolph & McClements have bought the business of P. Siebert, including the greenhouses on Stanton avenue, and the lease on the Baum and Beatty streets building. As the lease is a long one the firm intends building on the lot and will remove its store there next spring.

Brother Jim's Plain Talks.

THE MAN WITH A SECRET.

Isn't it just about time that this hoary old fraud disappeared for ever? He certainly is a hardy perennial. Go where you will you meet him. He was and he is and he probably is to come. In the old days he used to lock himself up in the potting shed while he performed his mystic rites of orchid potting. Today he is found in all kinds of places, from the truck lot to the big growing plants. When I go from here my knowledge goes with me, was the proud boast of one of the many possessors of the little knowledge that is proverbially dangerous. The one would probably be as little missed as the other if he did go and take his knowledge with him.

The man who is afraid of imparting to others any knowledge he obtains by reading or practice, never attains any great proficiency in his calling. In a manner he shuts himself in from sympathy with his fellows, whereas by comparing his views with those of others whom he meets, his own horizon is widened and he finds there are others whose opinions and ideas, though they may differ from his own, are worthy of a hearing. There are men of course who rush to the other extreme. When they get a new idea in their head, they are never satisfied until they have advertised it to their little world of acquaintances, with the result that they are looked upon more or less as cranks. Still these are greatly to be preferred to the hidebound individual mentioned above. He is like an old hen sitting on a door knob, while others are scratching around for a living.

Is there such a thing as a secret in plant growing? No, sir. All there is to it may be learnt by anyone of average intelligence in a short experience with the plants themselves. I once heard a good old gardener say, that the plants are the best teachers, and this is as true now as ever it was. The man who has the real wish to succeed as a cultivator, watches his plants very closely in his daily rounds; he is quick to notice the first signs of a backset and immediately sets to work to put right whatever is wrong. He will never stop to find out the secret the other man is so careful to hide, but goes right to the point and finds out in the only natural and proper way.

Don't be taken in then by the man who keeps his knowledge up his sleeve. He is about as useful to the general community as the individual who offers $5. in a purse for a quarter, at country fairs, and is infinitely less amusing. The excellent cultural notes given in the horticultural press, combined with actual work about the plants as object lessons will enable those anxious to learn to do so quickly and thoroughly.

Rawson's Dahlias.

Of late years W. W. Rawson & Co., Boston, Mass., has been giving increasing attention to the raising, importing and distributing of new and choice varieties of dahlias and other flowers. Some of the novelties are exceedingly fine and a few are illustrated herewith.

Governor Guild is of the show class and is a round, finely built, snowy white flower with beautiful fluted petals. Al-

TWO OF RAWSON'S NEW DAHLIAS.

W. W. Rawson. Fireburst.

though large it is not at all coarse and there is no tint of any color either in the center or at the tips of the petals.

Edward Le Favour is also of the show class, its large flowers being a deep rose, shading to pink. It is said to be very free flowering and the individual flowers are deep and perfectly globular.

Mrs. Gordon Abbott is a very large flower of the fancy class, measuring 5½ inches across. The blossoms are solid and full of petals, the color a deep golden yellow, striped and blotched with bright intense scarlet.

W. W. Rawson is of the decorative class, a graceful and beautifully tinted flower, white, overlaid with a faint blue tint that is very charming when seen at a little distance. It is a solid well built flower, yet not stiff in the least, the petals exquisitely fluted and regular in outline.

Mrs. Stuyvesant Fish is very distinct in color, a rich deep amber, and is of the decorative section. It is very large, perfect in form, the petals of medium width and graceful. It is a medium grower, producing flowers early in the season.

The North Shore is also of the decorative class, with petals broad at the base but pointed. The color is a rich maroon, with a distinct shade of scarlet at the tips of the petals.

Fireburst is one of the largest decorative dahlias in existence, with flowers over eight inches across. The color is scarlet, with a distinct orange shade.

Warren W. Rawson, the senior member of the firm, is a very interesting personalty, as he seems to combine in a very marked degree all the good points of a successful business man, a man of education and a holder of important public offices. Added to this he has a great love of home, as his fine estate abundantly testifies. He has been governor's councilor for two years and has also held the highest office that the town of Arlington can bestow, that is the head of its selectmen. In spite of the many calls made on his time Mr. Rawson is also a very prominent associate in the Masonic and Odd Fellows organizations.

CHRYSANTHEMUMS

Out of 49 varieties of chrysanthemums certificated by the Royal Horticultural Society and the National Chrysanthemum Society, both of England, the number bearing single flowers was 20, quite an unusual number, according to the Journal of Horticulture.

Chrysanthemum Sports.

This article was written last November but has been crowded out from time to time owing to pressure on our space.

The word sport, in connection with chrysanthemums, refers to varieties which originate by bud variation. The idea has been advanced that nature makes these changes with a desire to attract the attention of some insect, possibly a new one, and thus promote fertilization and reproduction from seed, a condition which seldom occurs under our present system of cultivation, save where artificial pollination is resorted to. This, like many of nature's ways, are too deep for us to fathom and so we must be content with the facts which are apparent, viz., that such changes take place, and as far as we know without a fixed law to govern them.

We have just noticed a white seedling pompon flowering this, its first season, which shows a few yellow petals in one of the flowers, thus demonstrating it may be possible for them to sport the first year from seed. We have known of several varieties which have taken up this peculiar form of diversion the second year but generally it does not take place until several years have elapsed and then often simultaneously in widely separated localities.

Of those originating in this manner and appearing on the Chrysanthemum Society records, are 100 varieties, which include those introduced in this country since 1888 as well as those imported since that time. Of the 100 varieties, 43 originated from those of the various shades of pink, 40 from white, 10 from yellow, six from bronze and one from red. Of the 43 sporting from the pink section, seven are yellow, four a darker shade of pink, 10 rosy cerise and bronze, and 23 white. Of the 40 from white parentage, seven are pink, 22 light yellow, 10 bright yellow and two violet. The 10 yellows have given five of a darker, and five of lighter shade than those of the varieties from which they sported. The six bronze have changed to four yellows and two pinks. The one red sported to a darker shade.

From these figures we find that pink varieties have been most frequent in sporting, closely followed by the white. We also learn that the pinks have a decided tendency to change to white

and the white to light yellow, while the yellows do not afford as many changes, nor are they as radical or decided. It is worthy of note that many varieties have changed their color several times while others that are now many years in commerce have not shown any inclination in this direction. The most marked and interesting example among those which have given us several colors, is the hairy variety, Louis Boehmer, which was imported from Japan and disseminated by Peter Henderson & Co., in 1891.

Under French cultivation, L'Enfant des Deux Mondes (child of two worlds) was originated by M. Crozy and distributed by the E. G. Hill Co. in 1893, which gave us a white Boehmer. With M. Quitier, another French grower, this white Boehmer sported to yellow, and was named Leocadie Gentiles, which variety Nathan Smith & Son distributed in 1899. In addition to the foregoing, Peter Henderson & Co., sent out Wm. Falconer, a rosy blush, in 1892 and in 1896, Mrs. C. B. Freeman, a bronzy yellow came from Thos. H. Spaulding. Beauty of Truro, a purplish bronze of English origin was offered in 1897 by Nathan Smith & Son, thus the fickleness of Louis Boehmer has placed on our records five distinct varieties which otherwise would have been unknown.

To perpetuate the new color of a plant, the method generally followed is to cut out the leaves on the flowering wood with a heel or portion of the stem, and place these under a bell glass or in a closed case to encourage them to root. The next season they are carefully watched and those which do not show the new color are discarded. In this way the new color is established or fixed as it is termed, and it is then at the disposal of its possessor. Evidently there is more attention paid to the sports in England than in this country, as their growers far surpass us in the number they have fixed. The want of knowledge on this subject often misleads, particularly those who do not keep constantly in touch with the sports disseminated.

A sport is occasionally offered under two or more names. The writer has two cases in mind where sports have been disseminated and described as sporting from certain varieties and both of these when better known proved to be kinds which originated from seed and had been previously sent out. The condition under which chrysanthemums are grown and the date the bud is selected has much to do with the color as well as the form of the flower. Some contend chrysanthemums sport in form as well as color but this has not been our experience. All the sports that have come under our observation are identical with the parent in every particular except the color.

When attention is called to an exceptionally meritorious new commer and is exploited, or the illustration shows it, as having sported in color, time of flowering, form and style of foliage, it will be wise to take this in small doses. Such descriptions arouse our suspicion and lead to the following conclusion: Sporting in time of flowering is probably due to certain conditions under which the plant is grown. If its form has changed, possibly the date of the bud is the cause. If the foliage is distinct from its parent, doubtless it is another kind and very likely an old variety with which the grower is unacquainted.

It is certainly very easy to be mistaken regarding the source of origin of sport variety, and it behooves all interested to be careful not to redistribute an old variety under a new name.

ELMER D. SMITH.

Since writing above article, I have received sample blooms purported to be sports from a well known tall white variety but the instant they were brought to view, we were looking at medium sized blooms of Mrs. Jerome Jones.

This is simply to show how easy it is to be mistaken especially if not familiar with the older sorts.

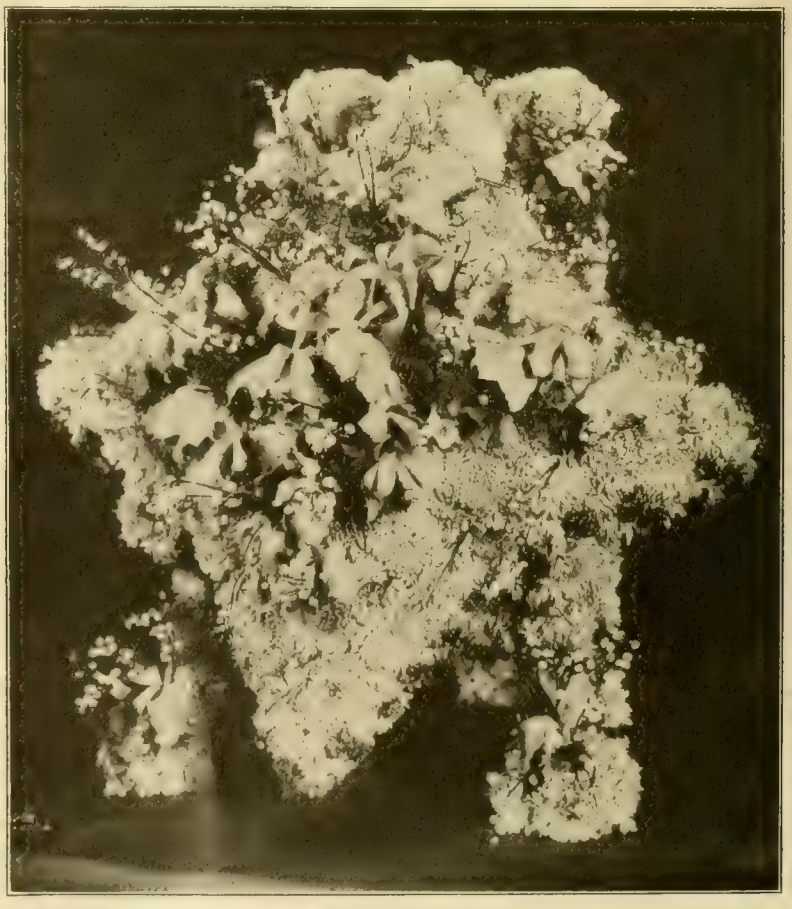
ELMER D. SMITH.

Our Credit System: Its Uses and Abuses.

A paper by S. S. Skidelsky, read before the Phila. Florists' Club of Philadelphia, January 1, 1907.

I deem it an honor as well as a privilege to address you upon a subject that, it seems to me, has never received the consideration it merits, either at the hands of our numerous florists' clubs or of our national society. At the very outset, however, and before I approach the subject proper, I wish to premise my remarks by paying a brief tribute to the members of our craft, scattered throughout this great American continent. It is no exaggeration to assert that there is no body of men more honorable, more honest and straightforward than our brother florists.

It is a noteworthy fact, one scarcely requiring any proof, that during the panic of 1893, when business conditions were most deplorable, when the stringency of the money market and the general stagnation and business depression were most appalling in their consequences, when the professional calamity howlers and the unscrupulous demagogues aired their theories to their heart's content, thereby adding fresh oil to the already kindled fire of fear and discontent, when the so-called "first laws" of self preservation began to assert themselves in a manner that brought disaster and financial ruin to many a business house, our brother florists as a body, be it said to their everlasting glory and credit, put their shoulders to the wheel that much the harder, never thinking of joining the procession of bankrupts. It is an actual fact, and I challenge anybody to disprove it, that there were less failures in proportion among the florists, either compulsory or otherwise, than among any other body of business men. I could easily name a number of florists who, during those memorable dark days, saw fit to deprive themselves and their families of things generally considered as absolute necessities in order to meet their obligations. Men capable of such self-sacrifice, men possessed of such moral stamina, such business integrity and honesty of purpose, need not hesitate to inscribe their names upon the roll of honor. Perhaps Pope had some gardener in view when



PRIZE DESIGN BY J. S. SIMMONS, TORONTO, CANADA.

he said that "an honest man is the noblest work of God."

Of course, there are exceptions, but of these later. That much for our honesty and business integrity. Can we claim as much for our business methods or, to be more exact, for our credit system, as compared with that of other progressive business men? Hardly. While it is true that we are keeping pace with the times in many other respects, while we are advancing steadily and uninterruptedly along lines of general progress, increasing our facilities, modernizing our stores and our greenhouses, improving our products, while we have been exchanging views and opinions as to the best methods of marketing our products, going even so far as to touch upon the ideal employer and employe, it has never occurred to us to consider seriously the means and ways and the best methods of modernizing our credit system. A question of momentous importance to our own interests, strange to say, seems to have escaped our attention. Viewed from whatever standpoint and whatever arguments we may bring to bear upon the subject, it is undeniably true that our credit system is in its primitive state, lacking those sound fundamental business principles which are at the base of every sound financial or industrial institution. It is said of the late Marshall Field, the merchant prince of two generations, that his first step at the very outset of his brilliant business career was to establish a sound credit system. A rule from which he never deviated and which perhaps more than any other factor was responsible for and contributed so largely toward his colossal fortune, was to collect his outstanding accounts and to meet his own obligations upon maturity. What is true of Marshall Field, the merchant prince, holds equally true of John Smith, once upon a time the struggling market gardener, whom we now see making rapid strides along the highway of progress. The reason? Easily explained: "I pay as I go," says Mr. Smith, "and in order to be able to do this, I collect my own accounts promptly."

Simple enough in itself, yet a rule of this sort seems to constitute the corner stone, the very foundation of one's success. "To pay as one goes" does not imply, however, spot cash transactions. Such a modus operandi is no longer tenable under our present business conditions. Nor is credit as such to be despised or condemned on general principles. On the contrary, credit well regulated and judiciously used is a blessing and a privilege that can scarcely be overestimated. Were it not for this privilege I venture to say there are many among us to-day who would have never achieved the success they enjoy. How often do we hear of the man who in years gone by had made his first start in life by building his first little greenhouse on a paltry few dollars borrowed from either friend or shark, stocking it with a few geraniums and other truck obtained on credit from some reputable establishment or other? If we trace the history of the successful florist of to-day we can see at a glance that credit has in a large measure contributed toward his success. I say "in a large measure" advisedly, because other qualifications, such as hard work, perseverance, will power and energy were of equal importance as a means to his successful business career. I reiterate, credit is a privilege that is not to be despised by any business man, no matter how conservative in his enterprises or how determined to steer clear of debt.

A LAUREL WREATH.
By John Mangel, Chicago.

Broadly speaking it is credit, inspired by confidence and backed by enterprise, that is responsible for the remarkable development of our natural resources, the wonder of the world. It is credit inspired by confidence that is accountable for the prosperity which we enjoy to-day. Credit has been the means of launching many a successful industry, giving employment to hundreds and thousands of men; credit has been the means of enabling many an individual to stem the tide of adversity and to rise to affluence and wealth. The struggling market gardener of a few years ago would have never perhaps become the successful grower of to-day if it were not for that blessed privilege—credit. I will go further and say that credit has been the means whereby most of our modern mammoth greenhouse establishments have come into existence.

Credit coupled with hard work, energy and business integrity has made it possible for the enterprising man of to-day to achieve his success in much less time than it took the florist of a generation ago by the slow "pay as you go" process in its literal sense. We are progressing, so to speak, in a geometrical ratio, by leaps and bounds, no longer satisfied to let "well enough alone," no longer content like the immortal Micawber to wait until something turns up. We must create our own opportunities and we are doing it to our heart's content, thanks to that blessed privilege—credit.

If there is anything to be turned up we are generally inclined to take a hand in the turning process ourselves. We seem to realize that faint heart never won success, hence fear and hesitation no longer keep us in check. If we are determined to "get there" it is seldom indeed that we fail in our object. But all good things have their limitations and what is beneficial or wholesome in some cases often produces the contrary effect in others.

Assuming that credit, well regulated and judiciously used, is a privilege that the strictly honorable and enterprising business man cannot fail but make the most of, it becomes an absolute menace—and often to a business community at large—when placed at the disposal of the unscrupulous trickster. To illustrate my idea: I know of a florist in the west doing a thriving business who seems to take especial delight in defrauding his creditors. He buys everything in or out of sight, in Holland, Belgium or New Jersey, throwing his goods on the market at prices compared with which those of his legitimate competitors seem prohibitory.

Here is a case of credit misapplied, the result proving detrimental not only to the man sustaining a direct loss but to the florists in the immediate vicinity as well. I will cite another case. There is a florist in one of the middle states who makes it a practice to order every new seedling carnation in sight. Unlike the careful, ultra-conservative grower who pays his bills and who, as a matter of course, wants to know something about the variety offered, the man I speak of orders indiscriminately on the principle of "something to gain and nothing to lose," never paying for the stock.

The season following he offers rooted

cuttings at a reduced price, underselling the very man he victimized, thus doing him a double injury. And yet, despite such instances (I could cite many others), despite the fact that tricksters, under the assumed name of florists, are encroaching upon the legitimate trade in a manner most injurious to our common interests, in our anxiety to outdo our competitors, to swell our volume of business we are inclined to take chances, we fail to discriminate, to draw the line most vigorously as it needs be drawn, between those worthy of our confidence and those who should be blacklisted in letters so large and conspicuous that he who runs may read.

And right here I wish it to be understood that I am in no wise reflecting upon the honor of those who through no fault of their own but owing to adverse business conditions or unforseen circumstances, were compelled to liquidate their affairs as best they could, in other words, to fail in their business. Such men deserve our sincere sympathy and it behooves us as men and as members of a "noble craft" to do all within our power to aid them. It is the scamp, not the unfortunate victim of circumstances, the man (God save the name) who lays his trap for the unsuspecting Hollander, who scans the trade papers and picks his victims as he sees fit to suit his own nefarious designs, it is a fellow of this sort, I say, that deserves our unqualified censure and our uttermost condemnation. Aside from the moral element involved, aside from the fact that scoundrelism should be discouraged on general principles, we must view the situation from the standpoint of self interest, of self protection. It is a duty which we owe to ourselves, to our fellow members, to the community at large to turn the rascals down and out. It is high time, indeed, that we realize the situation as it affects our common interests. Often the misdeeds of one miscreant will reflect upon the honor of the innocent. It is but human nature to profit by experience. If John has victimized us it is not likely that we will place our implicit trust and confidence in Tom, notwithstanding the fact that the latter means us no harm.

It is in instances of this sort where credit not only ceases to be a blessing and a privilege, but it becomes an absolute curse and the sooner we realize it, the sooner we devise some means and ways whereby to put an end to such abominable practices the better for all concerned. Our trade papers can and should help us to accomplish this worthy object, for there is no means more effective, there is no weapon more powerful than the press. Under the glare of its far-reaching searchlight human rats invariably go under cover. If credit is a privilege that privilege must not be abused.

Fortunately, however, such men, the black sheep in our fold, are but in the minority and need not be considered in connection with our credit system as practiced by the rank and file, the men, whose honesty and honorable intentions are beyond reproach, who meet their obligations in the long run. A few weeks ago I happened to meet a fellow traveler representing a western crockery concern, who in the course of our conversation remarked to me that "the florists are awfully slow pay, that while other business men will either pay upon maturity or else will write to the house and ask for an extension of time, the florists as a rule do neither; that statements, letters and drafts seem to have no effect upon them. Eventually, of course, they pay, but they do so to suit their own convenience, regardless of conditions or terms."

I need hardly add that there is a deal of truth in these remarks and that the man knew whereof he spoke. As a matter of fact, and I say it without any fear or reservation, in the majority of cases terms are honored more in the breach than in the observance. To be sure the average florist means well, he means to pay his bills sometime; he has good intentions, but (and here comes the rub) good intentions never were and never will be a negotiable asset; good intentions can never pay an account. A book full of "good intentions" is no more effective and can no more sustain the stability of a business house than a prayer of Dowie, for example, can stay the ravages of an incurable disease. Like prayer, good intentions are good enough in their place, but in this matter-of-fact world unless backed by something tangible, something negotiable, good intentions are of no particular consequence.

It seems to me, and again I say it without any fear or reservation, that some of the best men in our business have but a mistaken idea as to the duties and obligations they owe to a business house. Just because they see fit to patronize a business house it does not necessarily follow that they have the right to ignore the business terms as laid down by that house. I do not mean to convey the idea that I am an advocate of ironclad rules, that none but strict conditions should govern all business transactions transpiring between buyer and seller. On the contrary, I believe in liberal business methods; I believe in liberal business terms. I hold that any man worthy of credit is entitled to all due consideration and liberal treatment, but I likewise believe that privileges of this sort should not be abused unnecessarily.

Assuming for the sake of argument that such a thing as a committee of credit men, appointed by and acting under the direct supervision of the Society of American Florists were possible, assuming furthermore that such a committee had the power to act, to pass judgment and to lay down rules and regulations in all matters pertaining to our business or credit system, would it not appeal to each and every one of us if this committee saw fit to pass a resolution something of the following order:

First.—Resolved, That no business house is worthy of patronage unless it manifests a liberal spirit towards its patrons.

Second.—Resolved, That no business house need or dare expect the good will of any florist in good standing, unless it shows consideration for and a good will of its own towards its patrons.

Third.—Resolved, That no florist is entitled to credit and to all the advantages accruing thereto, unless he realizes the need of paying heed to statements, of answering business letters, and of honoring drafts.

Fourth.—Resolved, That any florist of good standing reserves the right to exact the most liberal terms possible, but, when once agreed upon, such terms are to be honored, not in the breach, but in the observance, and

Fifth.—Be it further resolved, That if any florist finds himself in strained circumstances and is not able to meet his obligations in due time, such florist is obliged to write and explain matters to his creditors, said creditors to make all due allowances and to show all due consideration as the case might warrant.

One of our greatest shortcomings in the regulation of our credit system, it seems to me, lies in the fact of our very loose methods in dealing with the "four hundreds" of our towns. It is a matter of record that "society folks," while in nowise backward in following the dictates of fashion, are decidedly so in paying their flower bills. It is not unusual to hear that Mr. Soandso, a prominent man about town, occupying a magnificent mansion, driving fast horses or a $5,000 automobile, has not paid his flower bill since "June a year ago."

Nor is it out of the ordinary to learn that Madam Blank, who gave Mr. Florist a carte blanche order some ten months ago, has left for the seashore, the mountains or for Europe without giving her flower bill the least thought. "Of course," Mr. Florist tells us, "the money is good" and that it won't do at all to send a second bill, much less to press for a settlement." Mr. Soandso or Madam Blank might feel offended. No, it won't do at all. Then there is another reason to be considered. There is a competitor around the corner who is just looking for the chance of carrying such accounts on his books for one or two years.

That our credit system is defective, antiquated and out of accord with our present business conditions is self evident and need not be dwelt upon at greater length here. Nor is it my object to suggest any new methods to you or to point out the remedy. I submit this question to your own good judgment and sincerely hope that you may give it your earnest and serious consideration. It is a question that concerns us all alike, the wholesaler as well as the retailer, the man who has already made his start in life as well as the young man who bends all his energies and all his ingenuity towards that end.

Philadelphia, the horticultural center of the United States, a city whence so many good things have sprung in the past, is pre-eminently fit to take up the work of reform. And this is a most opportune time to undertake a work of this sort. Our national society meets here in August. There are many good things in store for us, we may be sure of that. Some may tell us something about the ideal gardener or employer, some about conducting our stores, others about operating our greenhouses with profit. Let us hope that some good soul may tell us how to bring about the much-needed reform in our credit system, a subject well worthy of the earnest consideration of the best men in our society.

GUTHRIE, OKLA.—E. H. Furrow, E. E. Furrow and J. W. Furrow are incorporated as Furrow & Co., florists, with a capital of $15,000.

GADSDEN, ALA.—A coal oil stove exploded in Mrs. M. A. Stock's greenhouse December 18, doing considerable damage both to the structure and the plants.

RIVERSIDE, ILL.—The partnership, formerly existing between Anton J. Schmidt and R. Meyer, was dissolved by mutual consent, December 19, 1907. A. Schmidt retires from the old firm to take charge at once of his new range of glass on Herrick and Herbert roads.

St. Louis.

THE CHRISTMAS TRADE.

Christmas morning a light snow with moderate temperature found the florists in general good humor. Retailers generally report good business with heavy sales in plants and palms. Many florists predict that if high prices of cut flowers at holiday times continue the future will see plants sales in the majority and a considerable falling off both in demand and sales of cut flowers. At the wholesale houses stock was high and very scarce. Roses, especially red, were scarce. Almost any price could have been obtained for good Richmond, also for American Beauty. Good Bride and Bridesmaid brought $6 to $15. Second grades in lots brought $4. Carnations of the best grade sold for $6 to $8; second, $4 to $5. California violets with long stems brought $2 per 100, shorter stems $1.50. Roman hyacinths, $2 to $3; narcissus, $3 to $4. Stevia was very plentiful. The wholesalers were all happy as they sold out at good prices.

The week between Christmas and New Year has been a very busy one especially with the west end florists. Receptions, balls and all kinds of entertainments caused a big demand for flowers. Roses and carnations of good quality held a stiff price. Dark weather has prevailed which has caused a scarcity of stock. From all sides we hear about the increased demand for plants which should make our local growers here get a move and have a fine supply for Easter. Violets took a tumble to $1 per 100. With bright weather it is expected a big supply will be forthcoming. Quite a lot of stevia was left over from Christmas. Greens of all kinds were plentiful.

NOTES.

Amiel Elroy, 66 years old, who has sold roses and carnations in the streets, died Saturday morning on a cot while watching at the greenhouse of Carl A. Yuengel. He was found cold and stiff by Mr. Yuengel early Saturday morning while making the rounds of his greenhouses.

Geo. Ostertag, superintendent of parks, was cheated out of a Christmas offering from a friend in the country whom he drove about town in his buggy. When the case was opened only a display of ladies' articles was presented to view. George is still wondering.

Mrs. Ellison, of the Ellison Floral Co., had a grand display of plants. Her plants were made doubly attractive by the beautiful arrangement and attractive pot covers.

Alex Siegel disposed of over 20 cases of holly, also handled some extra fine mistletoe. Alex disposed of several hundred white carnations at 60 cents per dozen.

The Mullanphy Flower Co., opened up a pretty store at 2439 N. Grand avenue. Wm. A. Seeger, Jr., is the manager. They had a good trade for Christmas.

Geo. Angermueller was very busy. He received heavy consignments all the week and he was ably assisted by Fred Alves, who is very popular with the ladies.

Miss Alice Scott, who has been in the employ of Young & Sons for over 14 years, met with a sad loss in the death of her mother, Mrs. Eleanore Scott.

Miss Alice Ellison, daughter of W. Ellison of the Ellison Floral Co., will be married to Harry Wardy January 8. The couple will live in Chicago.

The Ayres Floral Co. had an enormous trade. Mrs. Ayres stayed at the store all night, assisted by Walter Retzer, who is a hustler.

Henry Ostertag was very busy the past week. The firm's sales of plants was immense. Henry is ably assisted by Frank Bucksart.

The Townsend Floral Co. had some very large decorations during the past week. They used a large quantity of red carnations.

Miss Lottie Schiess is to be married January 21 to a well known local doctor. Miss Lottie is at present with the Easton Florists.

The Bentzen Floral Co. sold a fine lot of poinsettias. This firm also had a fine lot of Begonia Gloire de Lorraine.

Chas. Kuehn had a big supply of flowers but found roses very scarce, especially reds and American Beauty.

Joe Hauser is bringing in some extra fine long-stemmed violets and expects to have some fine sweet peas.

Young & Sons were very busy for Christmas. They had a great trade in plants, also in cut flowers.

Miss Newman was very busy throughout the holidays with her large plant and flower trade.

Geo. Waldbart had a grand display of flowers and blooming plants which were sold out clean.

Joseph Kaiser and Henry Emmons, of Belleville, Ill., were buyers here last week.

The Foster Floral Co. had a grand window display and sold out everything.

H. G. Berning and Chas. Kuehn disposed of everything at good prices.

W. C. Smith & Co. had heavy sales of carnations, roses and violets.

Miss Krug, of Alton, Ill., was a heavy buyer during the past week.

Will Adele is no longer in the employ of the Ayres Floral Co.

F. H. Weber was almost entirely sold out by noon, Tuesday.

F. C. Weber reports a good trade.

W. F.

Washington.

THE CHRISTMAS TRADE.

All the retailers made a fine showing in Christmas plants. Azaleas were exceptionally plentiful and of a fine quality of bloom, selling well. The berried plants, aucubas, ardisias and imported hollies were also much in evidence. There was a fair supply of heather, used largely in combination baskets and hampers. The crotons and Adiantum Farleyense were also effectively used in combinations. Poinsettias in pots sold well and were also used with good effect in window decorations. Cyclamens and primroses were very good and sold well. There was an exceptional showing in handsome wreaths. Perhaps the dry-work men are to some extent responsible for this, for they are sending out very fine wreaths and it takes a good home-made one to compete with some of their's. Boxwood was very largely used in wreaths, immortelles being in some instances used as decorative features, while sprigs of holly and heather were used for the same purpose. The cut flower situation was unsatisfactory to both retailers and customers. Said a leading retailer: "We cannot sell the higher grades of cut flowers and make a profit at the wholesale prices we are paying." Another complained that while he had received a very steep bill for a small lot of cut stock, the stock had not arrived and he had no means of knowing when it would. Such conditions are always incidental to a great demand and a short supply. With best wishes for all branches of the trade, I believe it to be a fact that there should be a reasonable limit to holiday prices. There are many rich people who will not pay what they consider extravagant prices. To be absolutely fair, there does, however, seem to be reasonable excuse for the dealers trying to get all they can out of the holiday trade. Many of them have passed through a long dull season and must try in some way to make good. But considering the entire situation, I think there will, on the whole, be general satisfaction with results. The Christmas trade began early, both Friday and Saturday being good days. A fierce blast of cold weather, beginning Saturday night, made delivery a very serious matter, both plants and cut stock being in some instances frozen. The weather did not chill the ardor of the buyers.

THE DAYS AFTER CHRISTMAS.

Having had time to think it all over, the retailers agree that it was a record-breaking Christmas trade and, in the general song of rejoicing, a few jarring notes pass unnoticed. Among the plants time does not wither, nor custom stale, the popularity of the azaleas. There never was a better showing of them here for the Christmas trade and all the good and passable ones sold. It may be stated as a fact that a fine large and well flowered azalea at $8 to $10 or even $12 is a more saleable proposition than a dozen American Beauty roses at $24. Combinations were not much in demand and the leading dealers, anticipating this from past experience, were less lavish in their making up. Heather did not seem to go as well as formerly, the main reason being that the price was too high. For a similar reason, and from a doubt as to its keeping quality, Begonia Gloire de Lorraine was not a fast seller. If there are any lessons to be learned, one is: Have plenty of small and medium sized flowering plants for Christmas. Azaleas, primroses, cyclamens or anything with a good bunch of bloom goes. Try to keep prices as reasonable as possible. Many a customer pays the Christmas price and cherishes a grudge for the other 364 days; therefore it pays to be reasonable.

NOTES.

The upper Fourteenth street dealers profited by the blizzard, as they corraled trade that would have gone down town in better weather. At Thomas Circle, W. W. Kimmel had a regular monopoly in Christmas trees and holly wreaths, while Mayberry & Hoover, C. E. Brooks and Philipps all did a rushing business.

Pres. Loose, of the Washington Florists' Co., said, with a smile that was childlike and bland: "We did very well indeed." We rather guess they did. On the best corner in town and with such a decorater as Fred Wolfe, trade just gravitated toward their store.

If they had not made good advance sales the Center Market men would have been hard hit by the cold snap, but as it was they came off lucky. A. B. Garden, F. H. Kramer, C. Schellhorn and Robert Bowdler, all had very attractive displays and good business.

If a novelty is to be had Geo. H. Cooke can be relied on to show it. It may not be so in all the busy marts of the flower trade but here the Euphorbia Jacquiniæflora is a decided novelty. Cooke had it.

It was a cold day, but it is an extremely cold day when W. F. Gude gets left. His exhibit of azaleas, decorated araucarias, ferns and cut flowers was fine and everybody was on the jump.

The Connecticut avenue florists, Cooke, Robertson and Pfister, lead a peaceful valley life in summer but at the holidays they are fierce hustlers, which accounts for their heavy sales.

J. H. Small & Sons' window decorations of large bells, poinsettias and other Christmas plants caused the pedestrians to risk pneumonia standing to admire.

J. R. Freeman had a very nice stock of aucubas, Otaheite oranges, azaleas and various smaller plants which made his store appear well.

Pity the woes of the street man! Cut flowers were so scarce that he could not get any, and it was too cold any way.

To the cut flower, plant, and dry work men, a Happy New Year. You have earned it.

S. E.

Baltimore.

GOOD RETAIL TRADE.

The promise of pronounced cold on Christmas eve was fully borne out on the day of the great holiday, but the purchases and delivery of flowers and plants were practically completed in the very early hours of the morning. Everyone seems to have had an abundant trade, if exception be made of the market men who had perishable stock. This could not be exposed at all. The stores profited by this misfortune of their competitors, for buyers took refuge from the frosty air under shelter and bought quickly that they might soon get home again. There was a sufficiency of all sorts of flowers except carnations, which were probably scarcer and higher than ever known before in this market. Violets have become in this latitude so uncertain a crop that little dependence is put on them, and they cut much less of a figure than formerly in the bulk of holiday sales. Roses were fairly abundant, with too small a proportion of high grades and the growers generally realized lower prices than usual. Poinsettias were over done and kept on coming into the market for the entire week. There was practically no Lilium Harrisii at the Florists' Exchange, and callas have come down a peg in popular estimation. As usual at Christmas a great many baskets were sold, but there was no marked change in the prevailing favorites of other years for filling them. Dracæna terminalis was offered in large quantities and took well, though this can hardly be counted a novelty. Since Christmas there has been almost uninterrupted rains, fogs and soft weather, roads and walks being almost impassable for mud, outdoor occupations and sports being tabooed.

NOTES.

The park board promises to enlarge Patterson park, one of the most frequented of our public pleasure grounds, by the addition of land contained in 14 city blocks. The courts have given a decision in favor of the city's title to 12 acres of land known as Canton park, and that will also be included. The board has $1,000,000 that is available for park extension, the amount to be applied equally in the four sections of the city.

The plan of operations of the board for the coming year includes the extension of Gwynn's Falls park and the establishment of boulevards which will connect all the parks. This involves a large expenditure for the land required, labor and material, trees, shrubbery, etc.

M. Perry, of the Florists' Exchange, reports a large increase in the volume of business done, and that the storage room and vault for keeping flowers in the new building proved admirably adapted to that purpose.

S. B.

San Francisco.

CHRISTMAS BUSINESS.

Christmas has come and gone, and never in the history of the flower business has there been such a shortness of cut flowers of all kinds as this year. There were several reasons for this. First of all was the earthquake and fire in the early part of the year. Most of the growers never thought once that the city would rebuild and rehabilitate in such a short time, but unlimited resources and grit have done the thing. With plenty of money and work in view, San Francisco, as a whole, has had as busy a Christmas as has ever been recorded. Those growers that started after July 1 with very small stock on hand had no flowers worth mentioning for sale. The second reason is that many growers, that continued growing their stock, had not much market in this city all summer and fall and shipped to outside places, Oregon and Washington getting the bulk of the stock. These parties kept their newly made customers through the holidays. A third reason is that just two weeks ago a storm blowing at the rate of from 60 to 70 miles an hour came along and knocked at least 2,500 boxes of glass out of commission and strange to say, those that had a fair crop on and were dealing with the city got the worst end of it. Among those who suffered most were Schwerin Bros., very badly wrecked, Ferrari Bros. and Demoto Bros. All other growers suffered a loss of from 10 to 50 boxes of glass. There were more flower stores in San Francisco in running order by Christmas than there were before the fire, many new places having started up in November and December. These new places were the ones that suffered most for want of flowers and had to do the best they could by selling plants and berries, enough of which at seasonable prices could be furnished.

NOTES.

A scarcity of fuel, both coal and oil, has struck us. Most of the growers are burning oil, as the price of coal is almost out of the question for them, but the railroads are in no hurry to deliver the orders and quite a few had to do without firing for several nights, others doing without firing altogether. Now for a good New Year, and all is well that end's well.

The weather was not what we generally have, being raining for almost a week, no sun and all clouds, but very warm. Still the streets were crowded with shoppers right along.

H. Platt had a fine lot of fancy ferns, cut, in pans, pots and baskets. Platt's ferns could be seen all over this town and for that matter all along the coast.

Chas. F. Fick was in with a beautiful crop of Enchantress and Prosperity carnations and other varieties in proportion.

F. Aby had about the finest crop of C. Testout and American Beauty roses on that could be found east or west.

Meyer's, in San Mateo, had a fine lot of American Beauty roses.

GOLDEN GATE.

QUERIES.

Flowers for Decoration Day.

ED. AMERICAN FLORIST:—

I have two beds, 5x56 feet, from which I have taken my chrysanthemum stock. What would you advise putting in to bring blooms for Decoration day? Would hyacinths, Narcissus Golden Spur or tulips bloom in time if they were put in flats about January 15 or February 1?

A. H. MACD.

Only the latest flowering narcissi, such as N. poeticus will be suitable for flowering as late as Decoration day. If you decide to grow them put them in flats immediately and place the flats outside, covering them with ashes. Introduce them to the house about three weeks before needed in flower. Azaleas, cannas, callas, Easter lilies, sweet peas (sown at once) and mignonette are a few of the many flowers grown for cutting at the time named, but previous preparation of the plants is necessary. If you are unacquainted with the culture of these and other plants, follow carefully the cultural notes that appear in THE AMERICAN FLORIST.

G.

Bedding Plants From Seed.

ED. AMERICAN FLORIST:—

Please give the names of a few bedding plants that may be raised from seed and dates for sowing?

J. W.

Ageratum, blue and white, asters in variety, ornamental foliaged beets, Celosia pyramidalis, annual chrysanthemums, fever few (Pyrethrum aureum), godetias, bedding lobelias, mignonette, nasturtiums (dwarf), Nicotiana affinis and varieties, petunias, ricinus (castor oil plant), salpiglossis, scabious, ten week stocks, verbenas and zinnias are all good plants for different styles of bedding. Late February and March are the best times for sowing, choosing the earlier date if you have plenty of convenience for attending to the resulting young plants.

Heating a Greenhouse.

ED. AMERICAN FLORIST:—

I have a greenhouse I wish to heat to 50° at least in zero weather, 18 by 43 feet, height at ridge 10 feet, sides five feet with two feet of glass. The walls are 1-inch cypress boards, paper and three layers of shingle. I have two 4-inch pipes to carry the water from boiler, these running through another house. How many 2-inch hot water pipes should be in the house described?

C. D.

For a house standing alone, and exposed on each side, as yours presumably

is, not less than 12 runs of 2-inch pipe should be used, spreading them at suitable points in the house and arranging them as near the floor line as possible.

G.

Poinsettias Drooping—Smilax Troubles.

ED. AMERICAN FLORIST:—

How can I keep poinsettias fresh? Mine droop very quickly after cutting. I have also troubles with black fly on my smilax. Have tried tobacco dust, but this does not clean them out. What is the best thing to use? H. B.

Poinsettias do not usually last very well after cutting. Try placing the stems in dry sand to prevent bleeding, keeping them afterwards in a cool place in water. For the black fly on the smilax, fumigate lightly on three successive evenings and you will be rid of them. G.

NEWS NOTES.

WESTFIELD, MASS.—Louis Coleman has opened a store at 244 Elm street.

MADISON, WIS.—The annual convention of the State Horticultural Society will be held in this city February 5-7.

OAKLAND, R. I.—Amos Darling, who recently completed a large greenhouse, is now installing a hot water apparatus.

READING, PA.—Sealed proposals will be received by the board of water commissioners, on or before 4 p. m., January 8, for floral decorations at reservoir and filter grounds.

FARGO, N. D.—Professors Waldron and Worst, of the Agricultural college, are anxious to have two greenhouses built there and they are said to be going after the legislature with this end in view.

NEW YORK.—Lillian Russell is interested in an expedition which George Baldwin, of Chicago, has organized to go up country in New Zealand in search of orchids. He is backed in his enterprise by Conrad Seipp, a brewer, and Joseph Ryerson, of Chicago.

BOSTON, MASS.—For the third time the annual prize of $50 offered by the Boston & Maine railroad for the most beautiful flower garden at any station of the road has gone to James A. Keenan, station agent at the Hill crossing at Belmont. This year he has had 25 feet additional lawn, three more beds and a new design on the west side of the station.

SOUTH ROYALTON, VT.—H. M. Totman, who started in business here seven years ago, has constantly increased his growing plant, until now, it is said, he is the largest grower of cut flowers in Vermont, his wholesale trade extending over the whole of the state and much of his stock going to Boston market. A new Kroeschell boiler was a recent addition, installed to heat the whole of the plant.

ALLENTOWN, PA.—Extensive park planting is to be done this season, 170 varieties correctly labeled for educational purposes having been ordered from Thomas Meehan & Sons of Philadelphia. Altogether 204 deciduous trees, 179 evergreens and close on 1000 shrubs are to be planted. Plans for grading, laying curbing and 3000 square yards of walks, with drinking fountains and bandstand are included in the proposed improvements.

BOISE, IDAHO.—Carl Imes, the forest ranger in charge of the Boise River district of the Sawtooth reserve, was here recently. He states that the government will establish a nursery in the spring for the purpose of experimenting with the artificial propagation of native trees to replenish the forests. Large seedbeds will be sown this season and five or six native forest trees are to be grown from seed gathered in the fall of 1906.

SPOKANE, WASH.—This district is looking up from a gardening point of view. Just recently three separate purchases of land have been made, and all with a view to use them for growing truck and other produce. C. M. Triplett, of Moscow, Idaho, purchased two and one-half acres for $750; William E. Brown of Westlake, Idaho, has purchased five acres for $1,500, and Morgan Wilhite of the same place has secured ten acres for $3,000.

The Late E. W. Wood.
See obituary.

SOUTH BEND, IND.—On account of the phenomenal growth and development of the business of the Ideal Concrete Machinery Co., it has been found necessary to vacate the present factory building, and lease the plant formerly occupied by the Bissel Plow Co., which will give the firm three times its present floor space, and other facilities which will materially assist in promptly taking care of the ever increasing demand for concrete machines.

WILLIAMSPORT, PA.—A very serious fire occurred at the Evenden Bros.' lower greenhouses, early in the morning of December 24. The outbreak was discovered, by the watchman, in a pile of coal in the boiler house, and, despite the efforts of two companies of firemen, as well as the staff on the place, the fire spread until the boiler house and the woodwork of the ice house was destroyed. A corn crib, containing 400 bushels of corn, and the end of one of the greenhouses was also burnt out. The contents of five greenhouses were injured by frost before temporary connections with the boilers could be made, but fortunately all the Christmas flowers had been taken to the upper greenhouses previously, and so escaped destruction. The work of installing a temporary heating plant was begun at once and a new one is to be installed as early as possible.

OBITUARY.

D. L. Viets.

D. L. Viets, of Warren, O., died at Massillon hospital December 20. He had been in failing health for more than a year and his death was attributed to paresis. Deceased was for a number of years engaged in business at Warren as a nurseryman and leaves a widow and four sons.

Jerome Bock.

Jerome Bock, the veteran nurseryman, died at his home, 2600 Madison avenue, Burlington, Ia., on December 26. He had been ailing for some time past, since last summer in fact, when he met with an accident which left him weak.

Jerome Bock was born at Schleger, Prussia, in 1822, where he learned his trade, moving to London 22 years afterwards, where he stayed seven years. To Montreal was his next move, where he took charge of a private garden and conservatory, and in 1851 he moved again to Boston. He came to Burlington in 1856 joining the firm of Neally Bros. Locating on his present ground 12 years later Mr. Bock took an active interest in public affairs but was not an office seeker. He has been a widower for 13 years, and three daughters and a son survive him.

E. W. Wood.

Elijah W. Wood died at his home in West Newton, Mass., December 31. Mr. Wood has for many years been closely allied to the horticultural interests of New England, having served for 25 years as chairman of the fruit committee of the Massachusetts Horticultural Society, for several terms as the society's representative on the state board of agriculture, and for nearly 20 years a trustee of the State Agricultural college.

He was born in Upton, a suburb of Worcester, June 4, 1826, and passed his eightieth anniversary this last June. He was educated in the schools of his native town and Westfield academy. Fifty-five years ago he moved to Boston where he followed commercial interests until 1876, when he retired to his suburban home in Newton and has since devoted himself entirely to horticultural and pomological pursuits

Mr. Wood was a familiar figure among the horticulturalists of Boston, there having been very few of the weekly or special exhibitions of the state society, to which he was so closely attached, that he has not attended since he joined the organization 37 years ago.

He leaves three sons, all following horticultural lines, and a daughter. His wife, who had been an active participant in the work of the state and local horticultural organizations, passed away but a few months ago.

THE AMERICAN FLORIST

TWENTY-SECOND YEAR.

Subscription, $1.00 a year. To Europe, $2.00 Subscriptions accepted only from those in the trade.

Advertisements, on all except cover pages, 10 Cents a Line Agate: $1 00 per inch. Cash with Order.

No Special Position Guaranteed.

Discounts are allowed **only on consecutive insertions**, as follows—6 times, 5 per cent: 13 times, 10 per cent; 26 times, 20 per cent: 52 times, 30 per cent.

Space on front pages and back cover page sold only on yearly contract at $1.00 per inch, net.

The AMERICAN FLORIST Advertising Department is for florists, seedsmen and nurserymen and dealers in wares pertaining to those lines only.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Monday to secure insertion in the issue of the same week. Address

AMERICAN FLORIST CO., Chicago.

When sending us change of address always send the old address at the same time.

We do not assume any responsibility for the opinions of correspondents.

THIS ISSUE 56 PAGES WITH COVER.

CONTENTS.

Christmas trade reports....1133
Society of American Florists (illus.)....1135
Alfred J. Loveless (portrait)....1135
Suggestions for florists....1135
—The sowing of seeds....1135
—The propagating bench....1135
—Marguerites....1136
—Begonia Erfordii....1136
—Lobelia (illus.)....1137
Orchid notes—Calanthes....1137
—Vanda Coerulea (illus.)....1137
—Phalaenopsis grandiflora (illus.)....1137
—An abnormal cattleya....1138
Mignonette culture....1138
To be done now....1139
Campanulas in pots (illus.)....1140
European notes....1140
Brother Jim's plain talks....1140
Rawson's dahlias (illus.)....1140
Chrysanthemums—Sports....1141
Our credit system: Its uses and abuses....1142
St. Louis....1145
Washington....1145
Baltimore....1146
San Francisco....1146
Queries—Flowers for Decoration day....1146
—Bedding plants from seed....1146
—Heating a greenhouse....1146
—Poinsettias drooping — Smilax troubles....1147
Obituary—D. L. Viets....1147
—Jerome Bock....1147
—E. W. Wood (portrait)....1147
Correction....1148
An Ullrich memorial....1148
Cornell gets plant expert....1148
A good Baltimore advertisement....1148
Meetings next week....1149
Toronto....1150
Pittsburg....1150
Chicago....1153
Philadelphia....1154
Boston....1154
Massachusetts Horticultral Society....1154
New York....1156
New Orleans....1156
Buffalo....1156
The seed trade....1160
—Gladiolus Præcox....1160
—W. W. Rawson & Co.'s new store (illus.)....1160
—Seedsmen's premiums....1160
—Imports....1160
—Naples seed lists....1160
—The prevention of corruption act....1160
Columbus, O....1162
Milwaukee....1162
Cleveland....1162
The nursery trade....1164
—The profession of forestry....1164
—Field of phlox (illus.)....1164
Nashville....1171
Detroit....1172
Kansas City....1172
Providence, R. I....1183
Minneapolis....1183
Louisville....1183
Special Illustrations:
—House of mignonette at Pochlmann Bros.'....1138
—Prize design by J. S. Simmons....1142
—A laurel wreath....1143

AN effort is being made to increase the appropriation for the Illinois state entomologist.

WE are in receipt of a copy of Benj. Hammond's pocket diary and calendar combined, containing much valuable data and tabular matter.

THE famous collection of mosses formed by the late William Mitten, of England, has been purchased by the United States government.

"INQUIRER" will find all the information he needs on the propagation of plants in Fuller's book on that subject, which we can supply on receipt of the price, $1.50.

SPEAKING of the American carnations an English amateur, when asked at an exhibition of these flowers why he was not showing, made the suggestive reply that "the flowers are too valuable at home just now."

MUCH of the trouble in keeping caladiums in good order arises from their being kept dust dry for several months. It is quite right to dry them off and they need a good rest, but to put them away as is often done close to the steam pipes and never look at them, is quite wrong. No wonder so many refuse to start again, while even those vigorous kinds that do survive are weakened.

Important To Subscribers.

The date on the yellow address label on your copy of THE AMERICAN FLORIST will show when your subscription expires. Please renew subscription promptly on expiration to make certain of receiving your copy of each issue.

For Your Employes.

By sending THE AMERICAN FLORIST to your employes every week of next year they will be given a weekly reminder of you and it will make a most appropriate and useful gift if sent to their home addresses. In many ways it will be a good investment. Send us their names and addresses now, enclosing one dollar for each subscription and we will start with our grand Christmas number and continue sending the paper every week of 1907.

Correction.

In our obituary notice of the late Alfred F. Conard some errors were made which we wish to correct. Besides his wife he is survived by one brother, Pennington Conard of Langdon, Pa., and one sister, Mrs. Geo. Satterthwaite, of Kennett Square, Pa. Mr. Conard was president of the Dingee & Conard Company from the time of its incorporation in 1870 until 1892, when he severed his connection with that firm. In July, 1897, he formed the Conard & Jones Co. with S. Morris Jones and purchased the greenhouses and 35½ acres of land of Antoine Wintzer, who joined the company. The firm also bought the stock and interest of A. B. Blanc & Co., Philadelphia, Pa.

An Ullrich Memorial.

A fitting tribute to the memory of the late Lewis Ullrich, of Tiffin, Ohio, has been paid by a friend of his of many years' standing, David J. Stalter. The memorial takes the form of a gift to the city of a piece of land of triangular shape at the intersection of and between Clinton avenue and Hunter street. This is bequeathed in trust and is to be known forever as "Ullrich Place." The ground contains a fine grove of maple trees and is conveniently located for transforming into quite a beauty spot in the city.

The donor wishes the improvement and beautifying of the site to be placed under the direction of the Present Day Club, an institution with which the late Mr. Ullrich was closely connected. No one did more for the beautifying of the city, or had this more at heart than he had, and this makes the memorial particularly appropriate. The late Mr. Ullrich was a man widely known in his business and was a candidate for the presidency of the Society of American Florists in 1904. Public spirited and ready at all times to take a hand in anything tending to the welfare and the beautifying of the city it is pleasing to know that his memory is to be kept green in so suitable a way and Mr. Stalter is to be thanked and at the same time congratulated for his willingness and on his ability, to so appropriately honor the name of a deserving citizen.

Cornell Gets Plant Expert.

Washington, December 27.—Herbert J. Webber of the bureau of plant industry, has resigned from the government service to accept a professorship at Cornell University. Dr. Webber has been in charge of the plant breeding experiments of the Agricultural Department. He entered the government service in 1892.

He has produced new varieties of long staple, upland cotton, regarded as a valuable contribution to scientific agriculture. He also has developed a hardy orange capable of withstanding a severe frost. When this result was obtained, however, instead of being a hardy orange, it was found to be a composite fruit with the combined characteristics of the orange, the lemon and the tangerine.

Dr. Webber will not take up his duties at Cornell until next spring, when he will take charge of a new department of the university, to be known as the department of experimental plant biology.

A Good Baltimore Advertisement.

Many a reader has been betrayed into perusing a somewhat interesting newspaper story in ordinary type to find at the end that he has wasted his time, eye-sight and attention on an advertisement of some talcum powder or catarrh remedy and given voice to his chagrin in words not current in gatherings of the Y. M. C. A. But the accompanying is, so far as we can recall, the only instance of the adoption of this "reader" style of advertisement by the florists' trade, and if not worthy of imitation it is certainly deserving of perusal, for the matter is well gotten up as to literary expression, correct as to sentiment, new in form and novel in the advertising methods—in Baltimore, at least—of our craft. It appeared some time ago in a Baltimore paper.

"Harbingers of Heaven."

"Flowers are the harbingers of Heaven.

"The ancients used them to subdue temper, to soothe and make passive the passion waves which so often en-

circle the anatomy. It is written that Mary brought sweet perfume to the sepulcher of her Lord. Flowers have been used from time immemorial to denote love's tender passion. They have been used as tokens of fond remembrances often when thousands of miles spanned the distances between loved ones. The delicate rose bud and the modest forget-me-not have traversed the Atlantic and the Pacific, the burning plains of Africa and the frozen paths of the frigid zone carrying messages in their silent way which have spoken volumes to the recipients, telling them of the loving hearts that still beat in unison with their own.

"As civilization and Christianity make progress flowers become more and more a living evidence of a never dying love and affection held together through the laws of affinity which tempers our powers with moderation and subdues our passions to precepts of mercy.

"Flowers are welcome visitors at all seasons and in all places. Music has charms but it must be heard; flowers have their silent messages of peace on earth, good will toward men.

"The lilies of the fields have been pointed out as subjects of purity which far outrival Solomon in all his glory.

"It seems that the guiding hand of a divine Providence takes care of the flowers and pleasant it is to know that in the midst of turmoil and strife of the world we can turn away from them and mingle with the harmless, sweet, innocent flowers, the harbingers of all that is pure and beautiful.

"In the sick room no visitor is more welcome and the bridal wreath is one of the first consideration. A wedding would be insipid without the association of flowers. When the wedding bells have closed their lips; when the disease has done its deadly work; amid the sighs and sobs of the sorrowing, we turn again to the innocent flower.

"When the sod has been laid over the forms of our loved ones, we lay above their bosoms the floral wreath which tells in words more pathetic than tongue can articulate the story of our earthly affection.

"Whether it be a bridal wreath to decorate the brow of youth and beauty, a modest bouquet to cheer an invalid in a hospital, or the funeral wreath to rest upon our treasured earth your wants can be amply supplied in the new floral palace just finished and opened to the public by Charles E. Smith and Company, 121 North Liberty street. The old place has been transformed from the cocoon into the butterfly."

Meetings Next Week.

Buffalo, N. Y.—Buffalo Florists' Club, 383 Ellicott street, Buffalo, N. Y., January 8, at 8 p. m.

Butte, Mont.—Montana Florists' Club, Columbia Gardens, January 11.

Chicago.—Chicago Florists' Club, Handel hall, 40 Randoph street, January 10, at 8 p. m.

Chicago.—Gardeners' and Florists' Union No. 10615, 10-12 Clark street, January 9.

Cincinnati, O.—Cincinnati Florists' Society, Jabez Elliott Flower Market, January 12, at 8 p. m.

Davenport, Ia.—Tri-City Florists' Club, January 10.

Dayton, O.—Dayton Florists' Club, 112 South Main street, January 7.

Denver, Col.—Denver Floral Club, 323 Charles Block, January 11, at 8 p. m.

Hartford, Conn.—Hartford Florists' Club, January 11, at 8 p. m.

Madison, N. J.—Morris County Gardeners' and Florists' Society, Masonic hall, January 9, at 7:30 p. m.

Montreal, Que.—Montreal Gardeners' and Florists' Club, Alexandria rooms, 2204 St. Catherine street, January 7.

New Bedford, Mass.—New Bedford Florists' Club, January 10.

New London, Conn.—New London County Horticultural Society, Elks hall, January 9.

Omaha, Neb.—Nebraska Florists' Society, City hall, January 10, at 8 p. m.

St. Louis, Mo.—St. Louis Florists' Club, Burlington building, Olive street, January 10, at 2 p. m.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

Cash with Adv.

Plant Advs. NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1906 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—By a young man, age 26; married, no family; 13 years' experience in roses, carnations, pot plants, and all bedding plants, fruits and vegetables; best of references. Address T. G. C., 53 Lonsdale St., Dorchester, Boston, Mass.

Situation Wanted—As foreman by a first-class grower of cut flowers and plants, to take entire charge of a large modern plant; has had a life experience in the management of help, etc.; first-class references. Address Key 866, care American Florist.

Situation Wanted—By a bustling, up-to date grower as foreman or assistant; roses and carnations a specialty; 16 years' experience 31 years of age, single; best of references furnished; good wages expected. Would like a place west of Missouri. Address Key 851, care American Florist.

Help Wanted—Young man to work in flower store. Address E. KITZINGER, 595 W. Fullerton Ave., Chicago.

Help Wanted—A good designer and maker-up; must be able to wait on trade; give age and references. Address Key 863, care American Florist.

Help Wanted—A first-class plant man, potter and salesman; state experience, nationality and wages expected. Address STUPPY FLORAL CO., St. Joseph, Mo.

Help Wanted—Gardener and greenhouse man to take charge of private place; must be sober and industrious; single man preferred. Address BOX 474, Montgomery, Ala.

Help Wanted—Man to look after 7,000 feet of glass, general stock for retail trade grown. State wages expected in first letter; single man prefered. Address CLEVELAND NURSERY Waco Tex.

Help Wanted—Strong active, young man for carnation growing and general greenhouse work. State references and wages wanted with board per month. Address Key 865, care American Florist.

Help Wanted—Experienced man by retail florist. Must know how to make up funeral work and wait on store; age, 25 to 35. Address CHAS. H. FOX, 21st St. and Columbia Ave., Philadelphia, Pa.

Help Wanted—Carnation grower; must be a No. 1 man, strictly sober and reliable; wages $30 per month with board and washing; state experience and references. Address Key 844, care American Florist.

Help Wanted—A general greenhouse man for palms, ferns and a general line of blooming plants in pots; permanent position. Please state age and wages required FLORAL HILL GREENHOUSES, 30th and Kingman Blvd., Des Moines, Ia.

Wanted to Rent—About 15,000 sq. ft. of glass near Philadelphia, Pa.; must be in good repair. Will take place in spring. Address EMIL WOHLERT, Bala, Pa.

Wanted to Rent or Lease—Florist business, 6,000 feet or more of glass, in thriving city in Kentucky, Ohio or Indiana; possession April or May. Address Key 864, care American Florist.

Wanted—Applications of reliable and capable men as salesmen, decorators, or designers, or assistants thereto. A. W. SMITH, 345 Sixth Ave., Pittsburg, Pa.

For Sale—Nine greenhouses, dwelling house and barn, 3½ acres of ground. For particulars address P. O. Box 109, Newtown, Bucks Co., Pa.

For Sale—A1 down-town retail store for sale; established 10 years; bargain. Enquire VAUGHAN & SPERRY, 60 Wabash Ave., Chicago.

For Sale—Store, doing a good retail business. Must sell on account of sickness. Cheap. Address 48TH AVE. FLORAL CO., No. 1, So. 48th Ave., Cor. Lake St., Chicago.

For Sale—Ice box, used four months, 16 ft. long, 7 ft. wide, 8½ ft. high; accomodations for a commercial or wholesale florist. Will sell at a sacrifice. Address CHAS. MILLANG, 50 West 29th St., New York.

For Sale—Modern greenhouse, 3,000 feet of glass; best of trade; good reasons for selling. Anyone with money can clear $1,500 to $2,000 a year. It will stand close investigation. Address Key 867, care American Florist.

For Sale—Retail florist business in Washington, D. C. established seven years; good chance for hustler; owner wishes to retire from business. For full particulars address RETAIL, care American Florist, 1133 Broadway, New York.

For Sale—Eleven greenhouses, Kroeschell boilers and one steam boiler, in one of the best suburbs 14 miles north of Chicago, on North Shore; will sell with or without two acres of land, or give long lease with privilege of buying; owner too old, reason of sale; big bargain. Key 861, care American Florist.

For Sale—A No. 1 establishment, store and 10,000 feet of glass with dwelling, 14 miles north of Chicago in best North Shore locality; first-class condition; over 15,000 bedding plants sold retail yearly. Hustler can make big money. Reason of sale; owner has throat trouble and had to go into other business. Place worth $12,000; will sell for less and on easy terms. Key 862, care American Florist.

FOR SALE.

Old established retail florist's store. Reason for selling, going west. For particulars, write to **F. K., 700 N. 5th St., Philadelphia, Pa**

FOR SALE—Greenhouse Pipe

4-in. boiler tubes, second-hand, in fine condition, absolutely free from scale and with ends cut square. Sample and prices on application. KROESCHELL BROS. CO., 45 Erie St., Chicago.

FOR SALE.

I offer for sale my entire greenhouse specialty business, which includes my Trap Duplex Gutters and Ventilating machinery. My business is thoroughly established. No firm has a better acquaintance with the florists. My health is not good and I am compelled to sell out in order to retire.

E. HIPPARD, Youngstown, Ohio.

FOR SALE.

COLORADO SPRINGS, COLO.

Wholesale and retail business, well located, 34 greenhouses, 13 acres of land, 4 boilers, 16-60; 2 dwellings. For terms address

WM. CLARK.

FOR SALE.

Des Moines, Iowa, wholesale and retail greenhouse establishment, 29,000 feet of glass, three acres of ground, well located, all in good order, with good wholesale and retail trade. Price, about $8,400; terms reasonable.

VAUGHAN'S SEED STORE
CHICAGO.

NOTICE.

Notice is hereby given that the co-partnership heretofore existing between John Frederick Anderson and Thomas Peter Christenson, under the firm name of Anderson & Christenson, in the business of florists, at Short Hills, N. J., has this day been dissolved, the said John Frederick Anderson having purchased the interest of said Thomas Peter Christenson and assumed all the firm's indebtedness.

Dated Dec. 29, 1906.

The houses are all stocked with good reliable plants in first class condition, and the business will be continued as if no change had taken place, and all and everybody is guaranteed the same fair treatment as in the past. Respectfully,

J. F. ANDERSON, Successor to Anderson & Christenson. **Short Hills, N. J.**

AMERICAN FLORIST ADS ALWAYS DO BUSINESS

Week days and every day, Sundays and holidays,

ALL OVER THE COUNTRY AT HOME AND ABROAD.

PETER REINBERG

WHOLESALE FLORIST,

51 Wabash Ave., CHICAGO.

American Beauties	Per doz.
Long stems	$8 00
30-inch	6.00
24-inch	4.00
20-inch	3 00
18-inch	2.50
15-inch	2.00
12-inch	1.50
Short	$1.00 to 1.25

	Per 100
Maid and Bride	$6 00 to $12.00
Uncle John	6 00 to 15.00
Chatenay	6.00 to 15.00
Liberty	6.00 to 15.00
Richmond	6.00 to 15.00
Sunrise	6.00 to 12.00
Perle	6.00 to 8.00
Golden Gate	6 00 to 12.00
Killarney	8.00 to 15.00
Ivory	6.00 to 12.00

ROSES, Our Selection, ... $5.00 per 100.

CARNATIONS	per 100,	$4.00 to $6 00
VALLEY	"	4.00 to 5.00
VIOLETS	"	1.50 to 2.00
PAPER WHITES	"	3.00 to 4 00
ROMANS	"	3.00 to 4.00
STEVIA	"	1.50 to 2.00
CALLAS	per doz.,	$2.00 to $3.00
HARRISII	"	2.00 to 3.00
ASPARAGUS PLUMOSUS	per bunch,	.50 to .75
FERNS	per 1000,	2.00
GALAX	"	1.00

TELEPHONE CENTRAL 2846

Toronto.

HEAVY CHRISTMAS TRADE.

The Christmas business was decidedly the heaviest ever experienced in this section. Prices by the growers were pushed up to the top notch, the retailers responding accordingly; the stock, when it reached the patrons, realized very good prices. The weather preceding Christmas was very dark and the stock was consequently short in most lines. Had there been a few days more sun there would have been an abundance of stock to meet all ordinary demands. In the better stores American Beauty roses of the best grade were bringing $25, Richmond and Killarney $7.50, Bride, Meteor, Bridesmaid and Mme. Chatenay $5 per dozen; Carnations $2 to $3, cut poinsettias $5 to $10 per dozen; violets $6 per 100; lily of the valley $1 to $1.50 per dozen. At these prices everything was cleaned out and many more could have been sold. The plant men had an exceptionally heavy time. Azaleas were grown in double quantities to what they had been in other years and all sorts of made-up arrangements found a ready sale. The work of getting out the stock was the heaviest and most trying ever experienced. The weather was around zero with a cold cutting wind and it was impossible to have all stock properly protected. As it was there was a number of complaints with regard to frozen stock. Since Christmas business continues fair. The prices still continue so abnormally high that a good many people leave the stores disappointed. The weather conditions are very favorable and stock is coming in very plentifully. Violets, which were recently almost impossible to get, are now promised in large quantities.

NOTES.

Grobba & Wandrey, of Mimico, were the only firm who had any luck with their imported holly trees. What they had arrived in good shape and found ready sale.

T. Manton had some very fine orchids, both cattleyas and cypripediums. He also had some very fine pans of poinsettias and red begonias which found a ready sale.

G. Manton was very fortunate with his American Beauty roses. His place is small, but, in proportion to the plants, he had the largest cut of any in this section.

John H. Dunlop had quite a run on Killarney and Richmond roses. Had the season been three days earlier the cut would have been twice as heavy.

W. J. Gammage, of London, had fine long stemmed poinsettias with large double flowers, and these were the best ever seen in this section.

The Steele Briggs Co. had a large number of primulas. These were of very good strain and were fine for made up arrangements.

Lily of the valley, very well grown, came from the Dale Estate, Brampton, by thousands and was very much in demand.

R. Jennings, of Brampton, had some very fine carnations. His blooms were the most select of any seen in the city.

Holly, in most instances, was a disappointment, although several firms had very fine well berried stock.

Southern smilax was much in demand, E. J. Sinclair selling out entirely.

H. G. D.

RICE BROTHERS

WHOLESALE 113 N. 6th St.,

SHIPPERS of home grown Cut Flowers, comprising the newest varieties of blooms. Full line of supplies and decorative greens. Trial order solicited. Weekly price list issued.

MINNEAPOLIS, MINN.

Please mention the American Florist when writing

Pittsburg.

CHRISTMAS TRADE GOOD.

Christmas trade is reported as good by everyone, but not quite up to expectations. Stock brought high figures but many did not have a clean up. This is especially true of everything white. American Beauty roses were very plentiful and brought $15 per dozen for specials. Everything red sold at fancy prices. Bridesmaid sold well, 20 cents being the price for best stock. Bride roses were overplentiful with a limited demand. All colored carnations cleaned up, but everyone had lots of white ones to carry over. Paper White narcissus cleaned up but Roman hyacinths did not move. Lilies were very scarce. Violets were plentiful. A few chrysanthemums were for sale but did not bring prices expected of them. All greens were plentiful. Just after the Christmas rush stock became plentiful, especially roses. American Beauty sold as low as $6 per dozen and were slow sale. Carnations are moving nicely. Tulips are being received in quantities. Lilies are scarce.

Geo. A. McWilliams, of Natrona, left for a fortnight's hunting trip in North Carolina.

J.

CALDWELL, THE WOODSMAN,
Introducer of the Wild Smilax

Wild Smilax, $2.50 per case.

THE ONLY PLACE WHERE YOU CAN ALWAYS GET IT.

Long Needle Pines, $1.00 per dozen. **Palm Leaves,** $2.50 per dozen. Extra nice long-stemmed **Palmetto Leaves,** $2.50 per 100. **Magnolia,** $2.50 per case, 16 cubic feet. **Sheet Moss,** $2.00 per sack. **Grey Moss,** $2.00 per sack. **Galax,** $1.00 per 1000.

Speed a Specialty. Write for Catalogue.

Caldwell, the Woodsman Decorating Co., Inc., EVERGREEN ALA.

PITTSBURG CUT FLOWER CO., Ltd.,

Rhinebeck Violets, Fancy Roses, Fancy Carnations.

222 Oliver Avenue, PITTSBURG, PA.

BEAVEN'S

Fadeless Sheet Moss

$3.50 per bag.

Southern Wild Smilax

IN ANY QUANTITY.

E. A. BEAVEN, Evergreen, Ala..

HEADQUARTERS FOR

Hardy Cut Evergreens and Florists' Supplies

Fancy and **Dagger Ferns,** fine quality.....$1.50 per 1000
New Crop Brilliant Bronze and **Green Galax.** $1.00 per 100
$7.50 per case of 10,000.

Southern Wild Smilax,
$3.50 and $7.00 per case.

Laurel Festooning, good and full.....5c and 6c per yard
Branch Laurel.....50c per bundle
Leucothoe Sprays.....$1.00 per 100
Sphagnum Moss.....50c per bag; 5 bags, $2.00
Green Moss.....$1.00 per bbl.

FLORISTS' SUPPLIES. A full line of Florists' Supplies, Wire Frames, Corrugated Boxes, Cut Flower Boxes, Immortelles, Cycas Leaves, Sheaves of Wheat. Tin Foil, Cut Wire, etc.

HENRY M. ROBINSON & CO., 15 Province St., 9 Chapman Pl., **Boston, Mass.**

Extra Fine New Crop **FANCY FERNS** **$1.50 per 1000**
Discount on large orders.

Green and Bronze Galax, $1.25 per 1000. **Boxwood,** 20c per lb.: 50 lbs., $8.50.
Send for our weekly price list on Cut Flowers. Let us have your standing order for Ferns; will make price right all through the season.

MICHIGAN CUT FLOWER EXCHANGE

WM. DILGER, Mgr. 38 and 40 Broadway, formerly Miami Ave., DETROIT, MICH.

Please mention the American Florist when writing

DAHLIAS.

Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring.

DAVID HERBERT & SON,

Successors to L. K. Peacock, Inc., ATCO, N. J.

Palms and Ferns.

Write for price list.

THE GEO. WITTBOLD CO.

1657-1659 Buckingham Place, CHICAGO.

ROOTED CUTTINGS.

February and March delivery.

Carnations and Geraniums

Send for list of varieties and prices.

ALBERT M. HERR, Lancaster, Pa.

CARNATION CUTTINGS.

	Per 100	1000		Per 100	1000
Mrs. Thomas Lawson	$1 50	$12	Robt. Craig	$6.00	$50
Lady Bountiful	2.50	20	Ellen Goddard	6.00	50
White Lawson	2.50	20	President	2.50	20
White Perfection	6.00	50	Estelle	2 00	15
Cardinal	3.00	25	Morning Glory	2.00	15
Victory	6.00	50	Lieut. Peary	2.50	20
			Enchantress	2.00	18
			Glazonier	1.75	14

Write for prices if you want quantity.

ELI CROSS. Grand Rapids, Mich.

CURRENT

PRICE LIST.

Subject to change without notice.

American Beauty,	Per doz
Extra long stems	$9.00
36-inch stems	7.00
30-inch stems	6.00
24-inch stems	5.00
20-inch stems	4.00
18-inch stems	3.00
15-inch stems	2.00
12-inch stems	1.00
8-inch stems	.75

	Per 100	
BRIDE, fancy		$10.00
" good	$ 6.00 to	8 00
BRIDESMAID, fancy		10.00
" good	6.00 to	8.00
LIBERTY, fancy		10.00
" good	5.00 to	8.00
RICHMOND, fancy		10 00
" good	5.00 to	8 00
CHATENAY, fancy		10 00
" good	6.00 to	8.00
UNCLE JOHN, fancy		10.00
" good	6.00 to	8.00
PERLE	6.00 to	10.00
ROSES, our selection		6.00
CARNATIONS, good		4.00
" fancy	5.00 to	6.00

All Other Stock at Lowest Market Rates.

WIETOR BROS.,
51 Wabash Ave., **CHICAGO.**

AMERICAN FLORIST ADS

Always do business
Week days and every day
Sundays and holidays
All over the country
At home and abroad

CUT FLOWERS and SUPPLIES.

E. H. HUNT
RIGHT STOCK AT RIGHT PRICES.
76 Wabash Avenue, CHICAGO.

A New Year's Resolution, BUY AT HUNT'S

E. C. AMLING
THE LARGEST, BEST EQUIPPED, MOST CENTRALLY LOCATED WHOLESALE CUT FLOWER HOUSE IN CHICAGO.
32, 34, 36 RANDOLPH ST., CHICAGO.
L. D. 'Phones Central 1978 and 1977.
Please mention the American Florist when writing.

Be your own Commission Man
THE
FLOWER GROWERS' MARKET
furnishes the facilities.
See PERCY JONES, Mgr.
60 Wabash Ave., CHICAGO.
Please mention the American Florist when writing

Vaughan & Sperry,
Wholesale Florists,
58 and 60 Wabash Ave., CHICAGO
WRITE FOR SPECIAL PRICES.
Please mention the American Florist when writing

Bassett & Washburn
76 & 78 Wabash Ave., CHICAGO,
Wholesale Dealers and Growers of **Cut Flowers**
GREENHOUSES: HINSDALE, ILL.
Please mention the American Florist when writing

WIETOR BROS.,
Wholesale Growers of **Cut Flowers**
All telegraph and telephone orders given prompt attention.
51 Wabash Ave., CHICAGO.
Please mention the American Florist when writing

CUT FLOWERS
FLORISTS' SUPPLIES.
We can and will take care of your wants. Catalogue free.
E. F. WINTERSON CO.
45-47-49 Wabash Ave,
CHICAGO.

Wholesale Flower Markets

CHICAGO, Jan. 2.

Roses, Beauty, extra long stems	6 00@10 00
" " 30-in. "	4 00@ 8 00
" " 24-in. "	3 00@ 6 00
" " 12-in. "	1 50@ 3 00
" Liberty, Chatenay	4 00@12 00
" Bride, Bridesmaid	4 00@10 00
" Golden Gate	4 00@ 8 00
" Killarney, Richmond	4 00@12 00
" extra fancy red	12 00@25 00
Carnations	3 00@ 4 00
" fancy	5 00@ 8 00
Lily of the valley	2 00@ 5 00
Cattleyas....per doz.,	$6 00@$7 50
Harrisii lilies, per doz.,	$2 50@$3 00
Asparagus plumosus, per string	35c@50c
" " per bu.,	35c@$1 00
" Sprengeri	2 00@ 4 00
Green Galax	1 00
Galax leaves.....per 1000,	$1 25
Adiantum	75@ 1 00
Fancy ferns.....per 1000	$2 00
Smilax.....per string,	10c@12½c
Chrysanthemums, per doz.,	$2 00@$4 00
Violets	1 25@ 1 75
Leucothoe sprays	75

WEILAND & RISCH
Wholesale Growers and Shippers of
CUT FLOWERS
59 Wabash Ave., CHICAGO.
'Phone Central 879
Write for our wholesale price list.
WHOLESALE FLORISTS

Chas. W. McKellar

51 Wabash Ave., CHICAGO.
ORCHIDS
A Specialty.
Fancy Stock in VIOLETS, VALLEY, ROSES, BEAUTIES, CARNATIONS and a full line of all Cut-Flowers Greens, Wire-Work and FLORISTS' SUPPLIES.
Send for Complete Catalogue.
Please mention the American Florist when writing.

The Geo. Wittbold Co.
1657-1659 Buckingham Place, CHICAGO.
The only retail florist in Chicago who grows his own cut flowers.
FUNERAL WORK ORDERS, OUR SPECIALTY.
Please mention the American Florist when writing.

SINNER BROS.
WHOLESALE CUT FLOWERS
60 Wabash Ave., Chicago.
Careful attention to all
SHIPPING ORDERS.
Please mention the American Florist when writing.

Poehlmann Bros. Co.
Wholesale Growers of
and Dealers in **Cut Flowers.**
All telegraph and telephone orders given prompt attention.
Greenhouses: MORTON GROVE, ILL.
35-37 Randolph St., CHICAGO.

J. A. BUDLONG
37-39 Randolph Street, CHICAGO.
Roses and Carnations A Specialty.....
WHOLESALE GROWER of **CUT FLOWERS**

KENNICOTT BROS. COMPANY
40-42-44 Randolph St., CHICAGO.
Our reputation has always been that we fill orders when others fail. All stock in season at Lowest Market Rates.

THE BENTHEY-COATSWORTH CO.
35 RANDOLPH ST. WHOLESALE FLORISTS CHICAGO.

Chicago.

TRADE CONDITIONS.

For the three days immediately following Christmas trade was unusually dull. There was a somewhat better supply of stock than in former years, but the demand fell off a bit more sharply. This was explained as being partly due to the fact that many local retailers had become alarmed at the pre-Christmas scarcity and had actually over stocked. However this may be the market was quiet to a marked degree. Wholesalers showed a disposition to hold to holiday quotations, but prices were shaded. The shipping trade was in better condition, the demand being more normal for the time of year. On Saturday the market toned up considerably. Monday saw a continuation of the Saturday activity, in fact it was a "better Saturday" in the view of most. New Year's morning also saw a very active market. Roses and carnations were of very fair quality, though there were quantities of the latter of very inferior grade. Bridesmaid roses showed a decided improvement in the past week. American Beauty and other roses continued scarce though prices fell off somewhat. Violets held up to holiday prices. These were in great demand, and the supply was not equal to it. These realized $2.00 per 100. There are quantities of bulb stock on the market. Greens, too, with the possible exception of adiantum, are plentiful.

NOTES.

The records of the weather bureau located here show some extraordinary conditions for the year just closed. Never before was the range of temperature as small as for 1906, never having gone below zero nor above 100°. The average temperature was 51.1°. This record was equaled in 1880, and exceeded but once, in 1878, reaching 51.9°. There have been fewer clear days than usual, numbering only 102, while there were 135 days that were cloudy and 128 partly cloudy. For seven months there was a deficit of from 5 to 15 per cent of sun. The rainfall lacked 2.59 inches of being normal. Another interesting item is the fact that the total snowfall was 20.9 inches while the normal is 36.1 inches.

The Chicago Rose Co. is receiving some very fine Richmond, Bride, Bridesmaid and Killarney roses from its Libertyville plant. The holiday trade was exceptionally good with this firm, including the sale of Christmas greens and wreaths. The loss of John Ziska's Thirty-second degree Masonic charm recalls the fact that Mr. Ziska is still the youngest man in the market to have attained his high degree. John W. Starrett severed his connection with this firm Saturday.

Philip Kirchner, who is in charge of E. M. Barton's place, 4629 Greenwood avenue, has a beautiful pure white sport of Chrysanthemum Dr. Enguehard, which originated with him the past season. It has been been given the name of Mrs. Enos M. Barton and Mr. Kirchner thinks so well of it that he will propagate all the stock possible for next season.

T. E. Waters, formerly with the Central Floral Co., has entered the wholesale business with Vaughan & Sperry as salesman, having had some 15 years' experience with some of the largest wholesale houses in the east. A. L. Vaughan reports an extraordinary call for violets for the New Year's trade. Monday was the biggest day of the year except Christmas with this firm.

Secretary A. Vanderpoel of the Gardeners' and Florists' Union, No. 10615, reports unusual activity in that organization this winter. Eighteen new members were initiated at the last meeting. The three park boards of the city have been petitioned to increase the wages of gardeners in their employ to $75 per month.

Bassett & Washburn, during the past two weeks, have had the assistance of E. B. Washburn, a sophomore in the Agriculture College of the University of Wisconsin. Mr. Washburn, who is home for the holidays, is studying horticulture, specializing in greenhouse work.

Five tons of waxed paper in rolls (over a carload in bulk) have recently been received at E. H. Hunt's and two tons more are to follow shortly. This firm sells nearly a ton a month of this commodity.

E. F. Winterson was the recipient of a magnificent New Year's gift from intimate friends and "the boys" in the retail trade. It consisted of a pair of gold cuff buttons, each set with a large diamond.

Wietor Bros. report cutting a grade of long-stemmed American Beauty roses far superior to that usual at this time of year. All other varieties grown here are reported in similarly good crop.

The mother of Albert T. Hay, of Springfield, Ill., aged 75 years, journeyed alone from England to the home of her son, where she expects to reside the balance of her life.

Mrs. E. A. Anderson, of The Fernery, 14 Colorado avenue, reports a large increase in her business this holiday season over that of past years.

Percy Jones expects to have yellow Chadwick and Jeanne Nonin chrysanthemums until about January 15.

Chas. Benesh, formerly with the E. F. Winterson Co., was married December 31 to Miss Josephine Heil.

Secretary Hauswirth, of the S. A. F., expects to go east this week to take over the paraphernalia of office.

H. R. Hughes has issued "Another Fish Story," a folder advertising his gold fish.

Weiland & Risch are cutting Killarney roses with stems as long as 36 inches.

The florists and gardeners in the public parks of the city are seeking higher wages.

E. C. Amling is showing some early jonquils.

"The Busiest House in Chicago."

J. B. DEAMUD CO.

51-53 Wabash Ave., CHICAGO.

All Flowers and Greens in Season.

J. B. DEAMUD, Pres. W. P. KYLE, Vice-Pres. ALEX. NEWETT, Mgr.

Zech & Mann

Wholesale Florists

Room 218, 51 Wabash Ave., CHICAGO.

Telephone, Central 8284.

Visitors: Wm. H. Gullett, of Gullett & Sons, Lincoln, Ill.; A. Loudenberg, Valparaiso, Ind.; Henry Myer, Council Bluffs, Ia.

Indianapolis.

CHRISTMAS TRADE GOOD.

Growers as well as retailers are highly pleased with this year's Christmas trade. Quite a number of clear days preceding the holidays brought out all kinds of stock in fine shape. Some retailers pronounce this year's holiday trade equal to that of last year, others report an increase of 5 to 25 per cent. Of roses, carnations, lily of the valley and violets, the supply was not equal to the demand. Lilies, Roman hyacinths, Paper White narcissi and poinsettias were nearly cleared up. Sales of blooming plants were enormous. Begonia Gloire de Lorraine and azaleas were most in demand as specimen plants. For baskets and hampers, poinsettias of all sizes were very popular, besides small azaleas, begonias, and cyclamens and of course small ferns of all kinds. There was very little demand for foliage plants, including the different varieties of Boston ferns.

NOTES.

Smith & Young Co. had a fine crop of Bride and Bridesmaid roses; their violets were few in number but of very good quality.

Don't forget about the meeting, Tuesday, January 8; dinner, exhibits, election of officers and other important business.

Bertermann Bros. Co. had an unprecedented demand for blooming plants.

A. Wiegand & Sons report the best Christmas they ever had.

Baur & Smith sold all their carnations at good prices.

F. Hukriede's azaleas sold like hot cakes.

J.

SIOUX CITY, IA.—The Queen City nursery Co., with a stock of $500 has been incorporated by A. E. Betts, A. L. Betts and W. H. Betts.

CHARLOTTE, MICH.—The Fuller Floral Co. has opened up its new store south of Crout and Stillwell's restaurant. The place has been thoroughly overhauled.

WHITE VIOLETS, EXCEPTIONALLY FINE. $2.00 per 100.
S. S. PENNOCK-MEEHAN CO., 1610-1618 LUDLOW ST., Philadelphia, Pa.

Philadelphia.

EVERYBODY KEPT HUSTLING.

The Christmas business of 1906 it is safe to say was about 10 per cent above that of last season. Wholesalers had all they could do and it is now difficult to see how the orders would have gotten out on time but for the breathing spell afforded on December 23. The extreme cold weather, the thermometer ranging from 8° to 12° December 24 and 25, made delivery of plants very difficult. Everything had to be carefully and abundantly wrapped and then sent out in heated wagons. This entailed so much extra work that there was little chance for rest from Sunday a. m. until the work was all out. There were a great many plants sold, all the standard favorites such as azaleas, poinsettias, cyclamens and begonias being much in demand. Cyclamens were very scarce, crops as a rule being from two weeks to a month late. Crotons, Boston and Scottii ferns and dracænas sold well, in fact all choice stock was well cleaned up. All the retailers handled plant baskets, Pennock Bros. making a specialty of these creations. They used a bark covered basket on a wooden foundation, colored in shades of red, that was unique and very pretty. There was quite a variety of shapes and the display of these when arranged and decked with their fancy ribbons was certainly stunning. Cut flowers were about as high as usual. There was not much pickled stock. Each season the quantity grows less, as the growers find it doesn't pay. There were quantities of American Beauty roses but they all sold, as on Christmas day there was not a good flower left. Carnations also sold well, as did violets. Two dollars was the top price for the doubles, while much of the New York stock sold for $1.50. The wholesale men had a great time with their out-of-town orders, there being the usual delay with the express companies. In some instances stock very well packed was frozen, thus entailing great loss on some. The cold weather, luckily for the growers, did not set in until Saturday, after most of the out-of-town shipping was done.

The New Year demand was extremely light when one considers the importance of the holiday. The time was when "duplicate the order for Christmas" was the good word for the commission man, but now all is changed and little more than a good day's business is expected.

NOTES.

The growing of American Beauty roses on a large scale is to be the mission of a company incorporated under the title of The Florex Gardens. D. Faerstenberg, Henry Geiger and Eugene Bernheimer are the officers and owners of the company. They have purchased 50 acres of choice land at North Wales, Pa., and will erect at once a propagating house 32 x 150 feet and an American Beauty house 150 x 450 feet. About one and three-quarter acres will be enclosed within the walls of the house, which is to be of but one span supported on five posts by truss construction. The heating will be almost entirely overhead, taking 25,000 feet of 1¼-inch pipe. Mr. Faerstenberg, who is also the proprietor of the Floral Exchange Nurseries at Edgely, Pa., says that these large single span houses are the most practical in almost every respect, being more easily kept warm and appear to let more light into the plants, as returns from stock planted in this style of house are always much better than are obtained from the same amount of space covered by a succession of low roofs. The ridge pole of this new house will be about 30 feet in height. One thousand eight hundred boxes of 16 x 24 glass, set the 24 way, will be used in the roof. Forty thousand American Beauty roses set in 27 ground beds running the full length of the house will be the capacity of this, surely the largest of its kind in the country. Next season it is planned to erect one 150 x 625 feet and in the near future another. All the glass is to be used to force American Beauty only. Geo. Samtman, late of the firm of Myers & Samtman, noted for their success with this rose, is to have charge of the greenhouses and it goes without saying that the products of these gardens rank high in the rose market.

The Robt. Craig Co. report breaking all records for them, packing over 1,000 boxes for various out-of-town points the three weeks before Christmas.

Frank McDonald, aged 20, a bright and popular young worker late of the Edward Reid force, died last week.

W. K. Harris had a large shipping trade and a splendid Christmas.

K.

LONDON PARIS BERLIN

Established 1850. Thos. F. Galvin Incorporated.

CHOICE ROSES, ORCHIDS AND VIOLETS

124 Tremont Street. Boylston and Fairfield Streets.

BOSTON, MASS.

Boston.

R. E. Lassman, one of the veterans actively engaged in business, is cutting the first freesias of the season, and they are of such quality that he may well be proud of his accomplishment.

W. N. Craig, the genial secretary of the Gardeners' and Florists' Club, was the happy recipient of a beautiful Christmas gift in the form of a pair of twin boys.

Thomas F. Galvin (corporation) has leased the basement of the Music Hall Market and will use same as a storeroom.

The first tulips are being cut by John Fee, who usually leads in this line.

Edward MacMulkin is distributing to his patrons a handsome calendar.

Massachusetts Horticultural Society.

The inaugural meeting of this society for the year 1907 will be held at 12 o'clock noon, January 5, at Horticultural hall, Boston. The business of the meeting will be to hear the inaugural address of the president, the report of the board of trustees, reports of the officers and reports of the chairmen of the various committees.

PITTSBURG, PA.—At Schenley park there is a fine show of Begonia Gloire de Lorraine, cyclamens, cypripediums, callas, Chinese primulas and Jerusalem cherries, banked up with asparagus, making a fine succession to the chrysanthemums.

POINSETTIAS

$25.00 to $40.00 per 100.

THE LEO NIESSEN CO.

WHOLESALE FLORIST.

Open From 7 A. M. to 8 P. M.

1217 Arch St., PHILADELPHIA, PA.

AMERICAN BEAUTIES.

Any quantity of the very finest coming to this market, and a full line of everything in cut flowers and supplies.

PITTSBURG FLORISTS' EXCHANGE, Pittsburg, Pa.

NOW READY

to fill orders for **American Beauties, Lily of the Valley, Carnations** and all varieties of **Tea Roses** in lots of one hundred to one thousand at short notice. Get our prices before ordering elsewhere.

WELCH BROTHERS, 226 Devonshire St., BOSTON, MASS.

ASPARAGUS PLUMOSUS NANUS.

Cut Strings, 50 cents each.

W. H. ELLIOTT, Brighton, Mass.

THE

J. M. McCullough's Sons Co.

Wholesale Commission Florists.

CONSIGNMENTS SOLICITED.

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES, SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

Please mention the American Florist when writing

Holton & Hunkel Co.

Wholesale Florists

Milwaukee, Wis.

Please mention the American Florist when writing.

Nephrolepis Whitmani

Young plants from bench,

$6.00.....per 100.

DAVIS BROS., Morrison, Ill.

Please mention the American Florist when writing

Nephrolepis Whitmani

2¼-inch, $25.00 100,

Boston Ferns 2¼-in. $3.00 per 100.

Henry H. Barrows & Sons, WHITMAN MASS.

Please mention the American Florist when writing.

Wholesale Flower Markets

PHILADELPHIA, Jan. 2.

Roses, Tea	8 00@15 00
" " extra	15 00@25 00
" Liberty	10 00@50 00
" Queen of Edgely, extra	12 00@15 00
" " first	6 00@ 9 00
" Beauty, extra	12 00@15 00
" " first	6 00@ 9 00
Carnations	6 00@18 00
Lily of the Valley	3 00@ 5 00
Asparagus, bunch	25 00@50 00
Smilax	15 00@20 00
Adiantum	1 00@ 1 50
Cattleyas	60 00@75 00
Gardenias	75 00@100 00
Lilium Harrisii	20 00@25 00
Violets, single	75@ 1 50
" double	1 00@ 1 50
Callas	25
Roman Hyacinths	3 00@ 4 00
Narcissus	3 00@ 4 00
Cypripediums	15 00@ 20 00
Pansies	1 50@ 2 00

BOSTON, Jan. 2.

Roses, Beauty, best	30 00@40 00
" " medium	20 00@25 00
" " culls	4 00@ 8 00
" Bride, Bridesmaid	2 00@ 4 00
" Extra	6 00@ 8 00
" Liberty	6 00@25 00
Carnations	1 00@ 2 00
" Fancy	2 00@ 3 00
Lily of the Valley	2 00@ 4 00
Smilax	8 00@12 00
Adiantum	1 00@ 1 50
Asparagus	35 00@50 00
Violets	75@ 1 00

BUFFALO, Jan. 2.

Roses, Beauty	$4 00 to $10 doz
" Bride, Bridesmaid, Meteor	4 00@18 00
Carnations	2 00@ 6 00
Lily of the valley	3 00@ 5 00
Asparagus, strings	40 00@50 00
Smilax	15 00
Adiantum	75@ 1 50
Lilies	5 00@15 00
Chrysanthemums	8 00@25 00
Violets	1 00@ 1 50
Stevia	1 00@ 1 25
Romans and Narcissi	2 50@ 3 50

J. B. MURDOCH & CO.

WHOLESALE FLORISTS,

FLORISTS' SUPPLIES.

545 Liberty Ave., PITTSBURG, PA.

Please mention the American Florist when writing.

H. G. BERNING,

Wholesale Florist

1402 Pine St., ST. LOUIS, MO.

Please mention the American Florist when writing.

WM. C. SMITH & CO.

WHOLESALE FLORISTS.

Bell, Main 2018. Kinloch, Cent. 410.

1316 PINE ST., ST. LOUIS, MO.

Please mention the American Florist when writing.

C. A. KUEHN,

Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

Please mention the American Florist when writing.

POINSETTIAS.

ALL SEASONABLE CUT FLOWERS.

ABSOLUTELY THE BEST POSSIBLE SERVICE.

W. E. McKissick

WHOLESALE FLORIST.

Business Hours 7 a.m. to 6 p.m.

1221 Filbert Street, PHILADELPHIA, PA.

WHOLESALE CUT FLOWERS.

Valley, American Beauties, Brides and Maids, Sprengeri, Asparagus Plumosus, Carnations and Violets, all seasonable flowers. Large stock of Stevia on hand, can supply you at lowest market prices on short notice. Telephone or telegraph when you need cut flowers to

HENRY M. ROBINSON & CO.,

15 Province St., 9 Chapman Place, Boston, Mass.

Tel. Main 2617-2618. All orders will have prompt attention. A trial order will convince you.

New York.

A RETROSPECT.

With New Year's eve, closed one of the most successful years experienced in the New York flower market. While of course at times business has lagged, no one appears to have suffered when the aggregate is considered. Seldom has the market been in over supply, that is glutted, rose growers once or twice being victims in this respect. One point to be emphasized is, that good stock has sold well at all times. Such sacrifices as have been made seldom affected fine grades, although, in the course of the market, prices may have been borne down. Growers of roses, carnations, chrysanthemums, and indeed everything else, should aim to grow the best stock only, and assure themselves that the buying public do not want trash any more than they would want it themselves. The inferior grades of chrysanthemums which came into the market this fall proved a serious reflection upon the capabilities of the growers. Glass area is, or should be, valuable, and with the many good varieties available it is hard to believe anyone possessed of common sense would utilize it to grow trash. The orchid supply was, last fall, increased by the entrance into the commercial field of a firm of growers hitherto catering largely to private demand, but the market easily absorbed their product. The average demand for orchids is excellent, and there is little danger of this line of business being overdone at present. Carnations have done well throughout the year and the blooms offered showed an improvement in quality over the arrivals of the previous year. This is undoubtedly due to the discarding of a lot of old varieties and the adoption of many of the newer. The large handsome flowers of some of the recent introductions have increased the popularity of the carnation. The small volume of business done in the few days previous to the New Year's holiday, and on the holiday eve, was in marked contrast to the excellent trade done at Christmas. Stock hung fire all along the line, and the absence of buyers generally was marked. Roses were just as plentiful as they were short the previous week and prices drooped considerably. Red roses were naturally in the greatest demand and sold pretty well, but at figures near the normal. American Beauty was taken freely, but could not be pushed up to the fancy prices of last week. Carnations are fairly plentiful and move well at quoted prices, very little stock being obtainable at figures below the minimum. Enchantress is arriving in splendid form and is taken almost before it can be displayed on the counters. Winsor, the new pink, is coming from the Pierson establishment at the rate of nearly 1000 a day and is proving an excellent seller. Crimson varieties move very quickly, and are scarce after an early hour in the morning. Poinsettias are not as plentiful as they were last year, but are in sufficient quantity to go around. Gardenias are in somewhat shorter supply after the Christmas cut, and prices have receded materially. Violets are not in what might be termed heavy supply, and do not move readily. About 180 boxes came down the Hudson on New Year's eve, and many remained unsold. Quite a few white violets are ariving, but the prices asked for them do not accelerate their movement; as high as $3 per 100 is being asked. Cattleyas are on the scarce side but prices are normal for the time of year. Lily of the valley is in somewhat heavy supply and although it moves off eventually it drags at times. Lilies are not much wanted and arrivals are light. Callas sell fairly well and on some days are scarce. Bulbous stock is coming in quantities. Paper White narcissus bringing 20 to 25 cents per bunch, Roman hyacinths 1½ to 2 cents per spray. Smilax and asparagus are in good demand, but the latter arrives in too large quantities at times and the prices waver a little. Stevia sells well and cleaned out early on New Year's eve.

The Market, January 2.—The market is dull today with arrivals light. The business on New Year's day was very disappointing.

NOTES.

Myer, the florist of 609 Madison avenue, has just installed an additional ice box in his basement. It is as large as many wholesalers' boxes, but he kept it filled during the holidays. To accommodate his holiday trade he rented four stores on Park avenue and used them as store depots.

Rudolph Fischer, of Great Neck, will leave for his Californian home shortly after Easter and expects to lease his greenhouses before he departs. He reports his carnation Abundance as heavily in crop.

Andrew Wilson, of Summit, N. J., is a frequent visitor to this city in the interests of his plant oil business. He has already worked up a nice trade and the florists who use the oil speak very highly of it.

John Scott of Flatbush, fulfilled his prediction that he would have gardenias with three foot stems for Christmas. A grand lot of them were at the store of John Young and brought easily $1.50 each.

A. C. Dacre had the decorations for the New Year dinner of the Freundschaft society. The table decorations included seventy made-up centre pieces, some of them quite large.

F. R. Pierson Co., of Tarrytown, had a grand crop of new carnation Winsor at Christmas. The cut averaged over a thousand a day. The blooms sold well at good prices.

Chas. Boehe, of Tompkinsville, has five houses of carnations and is sending excellent grades of Enchantress, Lawson and Boston Market to Ford Bros.

Traendly & Schenck have had liberal shipments of Bride, Bridesmaid, Mme. Chatenay and Golden Gate roses throughout the holiday season.

Charles Ruff, of West New Brighton, S. I., had a busy Christmas season. He has a good retail store, and grows a general line of stock.

E. Schrader, of New Springville, is shipping some fine White Enchantress carnations to Walter F. Sheridan.

Jos. S. Fenrich is receiving daily shipments of white violets.

New Orleans.

The social season is now fairly on and the retailers are kept quite busy furnishing cut flowers and decorations for entertainments of all kinds, which will be kept up until Mardi Gras, which falls this year on February 12.

NOTES.

The Society of Southern Florists and Ornamental Horticulturists contemplate holding a convention here on February 14, 15 and 16, 1907, for the discussion and exhibition of plants, etc. The prospects are very good for a large gathering, as the railroads are all giving one fare for the round trip. The several committees have been appointed and everything points to a very successful session. The cold weather has now set in, quite a change from the warm sultry weather of the last five weeks.

H. A. Despommier, Jr., has taken charge of the Blair place, one of the handsomest gardens on St. Charles avenue.

J. Fonta has been reappointed superintendent of Audubon Park in place of E. Baker, resigned.

Geo. Thomas has quite a lot of sweet peas, which are not usually plentiful at this season.

John Rinck has the parks in his division of the I. C. R. R. in the finest of condition.

Wm. Rehm and U. J. Virgin have each a fine lot of plants in the greenhouses.

Robt. Reinecke has added 1,000 feet of glass and a hot water system to his plant.

Francois Gruza has all he can do, making decorations, etc. D.

Buffalo.

GOOD HOLIDAY BUSINESS.

Christmas trade was the largest in the florists' history. The supply of stock was equal to all demands and the quality good. Carnations, roses, violets and lily of the valley sold well. American Beauty roses, owing to their price, were not called for very much. Orchids were very much in demand, as were gardenias. Holly, pine and mistletoe sold well as usual, the quality of the holly wreaths being superior to other years. The plant trade was far in excess of other years. The number grown was never larger. Poinsettias, always the best sellers, were finer than ever before, Begonia Gloire de Lorraine, azaleas, cyclamens, heather and primroses being the others on sale. The weather was ideal for Christmas, but hard on the florist, for on Saturday plants could be carried open, while on Sunday it was about 8° above zero, continuing in that neighborhood until after Wednesday and making it very hard to deliver with any degree of safety. However, by hard work and plenty of paper the complaints were not very numerous. W. J. Palmer & Son, the Wm. Scott Co., and S. A. Anderson had a fine lot of plants. The stores were well decorated, especially Palmer's and Anderson's, the latter's many window changes being especially noted in all the papers. From all reports every florist and grower is more than happy. Money seemed plentiful and everyone wanted flowers. The after Christmas receptions and weddings were many and floral decorations good.

John Meyers, who is associated with his son-in-law, L. H. Neubeck, lost his wife on Christmas day. Mrs. Meyers was a very estimable lady and will be greatly missed. She had only one child, Mrs. L. H. Neubeck, from whose home the funeral took place Saturday.

Wm. F. Kasting sent out thermometers to his friends and customers for Christmas. BISON.

HORACE E. FROMENT,
Wholesale, Commission,
Successor to William Chormley.
Orchids, Roses, Carnations, Valley, Lilies, Etc.
57 West 28th Street, NEW YORK CITY.
Telephones 2200 and 2201 Madison Square.

Alexander J. Guttman,
THE WHOLESALE FLORIST OF NEW YORK,
43 West 28th Street.
Write for prices on any variety of cut flowers, not only for New Year's, but for all the year round. Enough said.

Choice Carnations. Selected Roses.
Traendly & Schenck
NEW YORK CITY,
44 W. 28th Street, Cut Flower Exchange.
New Telephone No. 798 & 799 Madison Sq.
Please mention the American Florist when writing.

CARNATIONS
MY SPECIALTY
Consignments Solicited. Prompt Payments
Established 1891.
Alfred H. Langjahr, 55 W. 28th St., NEW YORK.
Telephone 3924 Madison Square.
Please mention the American Florist when writing.

FORD BROS.
Receivers and Shippers of
Fresh Flowers
48 West 28th St. NEW YORK.
Telephone 3870-3871 Madison Sq.

N. Y. Cut Flower Exchange
Coogan Bldg., 6th Ave. & W. 26th St., New York.
Open for Cut Flower Sales at 6 o'clock Every Morning.
Desirable Wall Space to Rent for Advertising.
V. S. DORVAL, JR., Secretary.

JOHN P. SCHERER
Wholesale Dealer in
EVERGREENS, GALAX, FERNS and DECORATIVE SUPPLIES.
Greens and Trees a Specialty.
Telephone 328 L Union.
636 Garden St., UNION HILL, N. J.

ORCHIDS
Largest Importers, Exporters, Growers and Hybridists in the World.
SANDER, St. Albans, England.
NEW YORK OFFICE: Room 1, 236 Broadway. **T. MELLSTROM** Agent

Orchids!
ARRIVED IN FINE CONDITION.
Cattleya Harrisoniae, C. Intermedia, C. Gigas, C. Trianae, C. Speciosissima, C. Leopoldii, Laelia purpurata, Oncidium varicosum Rogersii, Marshallianum, Phalaenopsis amabilis and P. Schilleriana.
Lager & Hurrell, SUMMIT, N. J.
Orchid Growers and Importers.

ORCHIDS...
Importations 1907.
You can save money by getting our quotations on **Cattleya Labiata, Trianae, Percivaliana, Mossiae, Mendelii, Schroderae.**
JULIUS ROEHRS CO., Orchid Growers, Rutherford, N. J.

Charles H. Totty
WHOLESALE FLORIST
Chrysanthemum Novelties A Specialty. **MADISON, N. J.**

Wholesale Flower Markets
NEW YORK, Jan. 2.

Roses, Beauty, best	50 00@75 00
" " medium	10 00@20 00
" " culls	3 00@10 00
" Liberty, best	3 00@12 00
" " culls	1 00@ 3 00
" Bride, Bridesmaid, G. Gate	3 00@10 00
" Kaiserin, Carnot	2 00@12 00
Carnations	2 00@ 5 00
" fancy and novelties	5 00@ 8 00
Lily of the valley	1 00@ 4 00
Lilies	6 00@15 00
Violets	50@ 1 00
Smilax	6 00@ 8 00
Adiantum	50@ 1 00
Asparagus	20 00@50 00
Chrysanthemums, doz.,	$0 50@$2 00

Thomas Young
WHOLESALE FLORIST.
43 West 28th St., NEW YORK.

Moore, Hentz & Nash,
Wholesale Commission Florists,
55 and 57 West 26th Street,
Telephone No. 756 Madison Square. **New York.**

N. Lecakes & Co.
53 W. 28th St., NEW YORK.

Tel. No. 1214 Madison Square
Stands at Cut Flower Exchange, Coogan Bldg., W. 26th Street & 34th Street Cut Flower Market. **SPECIALTIES:** Galax Leaves, Ferns and Leucothoe Sprays, Holly, Princess Pine and all kinds of Evergreens.

Green and Bronze Galax Leaves, $1.00 per 1000.

A. J. FELLOURIS,
J. J. Fellouris, Manager.

Wholesale and Retail Dealer in all kines of **EVERGREENS, Fancy and Dagger Ferns, Bronze and Green Galax.**

Telephone, 2675 Madison Square.
52 West 28th Street, NEW YORK.

George Cotsonas & Co.
Wholesale and Retail Dealers in all kinds of

Evergreens.
Fancy and Dagger Ferns, Bronze and Green Galax.
Phone 1202 Mad. Sq.

Main Store. 50 W. 28th St., NEW YORK

—FLOWERS SHIPPED BY—
JOHN I. RAYNOR
Are the best product of the best growers for the New York Market.
Adiantum Croweanum sold here exclusively.
49 W. 28th St., NEW YORK.
Tel. 1998 Madison Square.

Walter F. Sheridan,
WHOLESALE FLORIST,
Telephones 3532 and 3533 Madison Square.
39 West 28th St., NEW YORK.
Please mention the American Florist when writing.

J. Seligman. Joseph J. Levy
John Seligman & Co.
WHOLESALE FLORISTS
56 West 26th Street, NEW YORK.
OPPOSITE N. Y. CUT FLOWER CO.
Everything in Cut Flowers. Consignments from growers solicited. Prompt returns. Best prices. Satisfaction guaranteed. Tel. 4878 Madison.
Please mention the American Florist when writing.

PHIL. F. KESSLER
Wholesale Commission Florist
Telephones { 2921 / 5243 } Madison Square.
55 WEST 28th STREET,
Consignments solicited. Prompt payments. **New York.**
Please mention the American Florist when writing.

A. M. HENSHAW
Wholesale Commission Florist.
Consignments of first-class stock solicited. A **Square Deal** guaranteed to all who trade here.
Telephone 5583 Madison.
52 W. 28th St., NEW YORK
Please mention the American Florist when writing.

A. L. Young & Co.
WHOLESALE FLORISTS.
Consignments of choice cut flowers solicited. Give us a trial.
54 West 28th St, NEW YORK.
Telephone, 3559 Madison Square.

C. W. EBERMAN
Wholesale and Commission
PLANTS AND EVERGREENS
GALAX, FERNS, MOSS.
Consignments Solicited.
53 W. 30th Street, Telephone 3767 Mad. Sq. **NEW YORK.**

THE KERVAN COMPANY,
20 West 27th St., NEW YORK.
Wholesale dealers in fresh cut Palmetto and Cycas Palm leaves, Galax, Leucothoe, Ferns, Mosses and all Decorating Evergreens.

J. K. ALLEN.
Wholesale Commission Florist.
106 West 28th St., NEW YORK CITY.
Open every day at 6:00 A.M. Tel. 167 Madison S

CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

William H. Donohoe, No. 2 West 29th St., (One Door Off 5th Ave.) NEW YORK.

PHONES: 3034 and 3035 MADISON SQUARE.

Write, wire or telephone your orders to the above. Personal attention assured.

The best is none too good. Prices always right. Send me your next order.

DETROIT.

JOHN BREITMEYER'S SONS

Cor. MIAMI and GRATIOT AVES.

DETROIT, MICH.

...Artistic Designs...

High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

MILWAUKEE.

C. C. Pollworth Co.

MILWAUKEE, WIS.

Will take proper care of your orders in WISCONSIN.

INDIANAPOLIS.

Bertermann Bros. Co.

FLORISTS

241 Massachusetts Ave., INDIANAPOLIS, IND.

ST. LOUIS.

Fred. C. Weber,

FLORIST,

4320-4328 Olive St., ST. LOUIS, MO.

Established 1873. Bell, Lindell 676.

DENVER.

The Park ...Floral Co.

J. A. VALENTINE, President. DENVER, COLO.

OMAHA.

HESS & SWOBODA,

Florists,

1415 Farnam Street, OMAHA, NEB

'Phone 1501 and L. 1588.

Please mention the American Florist when writing.

DENVER.

FLORAL DESIGNS AND FLOWERS.

Best Quality on Shortest Notice.

DANIELS & FISHER, DENVER, COLO.

Order by mail, telephone, telegraph or cable.

Cable address: "Daniels Denver."

LONDON PARIS BERLIN

A. Lange

Prompt Attention to STEAMSHIP ORDERS.

Main Address 40 East Madison Street, Heyworth Bldg. ... CHICAGO.

Agents in all Leading European Cities.

GUDE BROS. CO. FLORISTS 1214 F ST. N.W. WASHINGTON, D.C.

WASHINGTON, D. C.

Gude's.

CHICAGO.

P. J. HAUSWIRTH

Auditorium Annex,

CHICAGO.

Mail, telegraph or telephone orders filled promptly in best style.

BUFFALO.

Palmer's

Buffalo, N. Y.

W. J. Palmer & Son, 304 Main St.

WASHINGTON.

GEO. H. COOKE,

FLORIST

Connecticut Avenue and L Street, WASHINGTON, D. C.

KANSAS CITY.

Samuel Murray

...FLORIST...

Coates House Conservatory

1017 Broadway, KANSAS CITY, MO.

Both 'Phones 2670 Main.

Write, Telephone or Telegraph. All orders given prompt attention.

KANSAS CITY.

GEO. M. KELLOGG,

906 Grand Avenue,

KANSAS CITY and PLEASANT HILL, MO.

Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

BROOKLYN, N. Y.

Robert G. Wilson

Fulton St. and Greene Ave. BROOKLYN

Greenhouses: Short Hills, N. J.

—Deliveries in—

Greater New York, Long Island and New Jersey.

Trade orders from all parts of the country filled for delivery at residence, steamer, hotel, or theater on wholesale basis. Satisfaction guaranteed. Wire or telephone.

ST. PAUL.

HOLM & OLSON,

ST. PAUL.

THE LEADING FLORISTS OF THE NORTHWEST

Orders will be well cared for anywhere in Minnesota and the Dakotas.

GALVESTON.

Mrs. M. A. Hansen,

—FLORIST—

Galveston, Texas.

Special attention given to Telegraph or Telephone Orders. 'Phone 1912.

JACKSONVILLE.

MILLS THE FLORIST,

36 W. Forsyth Street,

JACKSONVILLE, FLA.

WASHINGTON.

Mayberry & Hoover

Florists and Decorators

1339 Fourteenth St., Northwest

Telephone North 508. WASHINGTON, D. C.

New Orleans

CUT FLOWERS

For Tourists and General Trade.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, —838— CANAL ST.

COLUMBUS.

The Livingston Seed Co.

FLORISTS

Cover All Ohio Points. 114 North High St.

A. L. RANDALL CO. 21 Randolph St. CHICAGO.

WHOLESALE FLORISTS. Well Selected Stock. Reasonable Prices. Fair Treatment

Randall's Phenomenal Progress Shown in the Florists' Supply Department. We are doing a business second to none in the west. **The most up-to-date and best of supplies** can be obtained of us at lowest prices. Try us once and we will get your future orders. **Write for quotations.**

The Cleveland Cut Flower Company,

WHOLESALE CUT FLOWERS, FLORISTS' SUPPLIES, WIRE DESIGNS.

215 Huron Road, CLEVELAND, OHIO.

Cut Flowers or Designs

Will be delivered for the Trade on Wire or Mail. Orders in Best Qualities and Prices.

ST. LOUIS.

Theodore Miller

FLORIST,

Long Distance Phone, Bell, Forest 56, Kinloch, Delmar 201. **4832 Delmar Boulevard ST. LOUIS, MO.**

DAYTON, O.

Matthews,

FLORIST,

16 W. 3rd St., DAYTON, O.

Flowers in any arrangement for all occassions for Dayton and vicinity. Long dis. phones.

ALBANY, N. Y.

EYRES

Flowers or Design Work.

DELIVERED IN ALBANY AND VICINITY ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

SAN FRANCISCO.

J. B. Boland Co.

Successors to Sievers & Boland,

FLORISTS.

47-49 Geary St., SAN FRANCISCO, CAL.

ROCHESTER.

J. B. KELLER SONS,

FLORISTS.

25 Clinton Ave., N., ROCHESTER, N. Y.

Rochester Phone 506. Long Dist. Bell Phone 2189.

Please mention the American Florist when writing.

ST. LOUIS.

WRITE, WIRE OR PHONE YOUR ORDERS TO

YOUNGS,

1406 Olive St. ST. LOUIS, MO.

Regular discount allowed on all orders, either Plants or Cut Flowers.

Phones: Bell, Main 2306, Kinlock, Central 4981.

Blackistone Florist
14th and H Sts. N.W.
Washington, D. C.

THE

Rose Pink Enchantress

Is the best and the most profitable pink carnation in sight. If ever you had a good thing on your bench you will be sure to find one in the

Rose Pink Enchantress

Ask me who has it in your neighborhood, and I will unhesitatingly refer you to your own neighbor. It is **THE** carnation to grow.

Price:—Strong rooted cuttings, $7.00 per 100; $60.00 per 1000. Address

S. S. SKIDELSKY,

824 No. 24th Street, PHILADELPHIA, PA.

Please mention the American Florist when writing

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants.

Market and 49th Sts, Philadelphia, Pa.

SPECIALTIES.

ROSES, from 3-inch pots. **CHRYSANTHEMUMS.**
CARNATIONS, for fall delivery. **SMILAX. VIOLETS**
IN BEST VARIETIES.

Prices low. Send for list.

WOOD BROTHERS, Fishkill, N. Y.

GOV. HERRICK THE COMING VIOLET

One that produces three times as many flowers as any violet ever offered for sale. It will please you. Order at once. Prices: $2.00 per doz.; $10.00 per 100; $75.00 per 1000; 5,000 or more at $60.00 per 1000. Send for description today.

H. R. CARLTON, Willoughby, O.
INTRODUCER and ORIGINATOR.

Attention, Western Florists

Wholesale Growers of Carnations, Roses, Violets, Paper Whites, Callas, Plumosus, Sprengeri, Smilax, Adiantum, etc.,

We Want to Hear from You.

Rising-Dunscomb Co., Inc., 205 No. Broadway, **LOS ANGELES**

LOUISVILLE.

JACOB SCHULZ, 644 Fourth Ave., **LOUISVILLE, KY.**

Cut Flowers of BEST QUALITY in season delivered promptly to any address.

Write, Telegraph or Telephone.
Cumberland and Home Phones 223 and 984.

ATLANTA.

ATLANTA FLORAL CO.

41 Peachtree Street, ATLANTA, GEORGIA.

CARNATIONS.

30,000 Rooted Cuttings Now Ready.

	100	1000		100	1000
L. Bountiful,	$2.50	$20.00	Lawson.....	1.50	12.50
Enchantress	2.00	18.00	Q. Louise...	1.00	9.00
B. Market...	1.50	12.50			

BOSTON FERNS.

From bench; ready for 4 and 5-inch pots. $10.00 and $15.00 per 100 respectively.

ASPARAGUS.

Sprengeri, 2½-inch, extra large, $3.00 per 100; $25.00 per 1000. 3½-inch, good value. $5.00 per 100.

J. W. DUNFORD, Clayton, Mo.
Bell Phone: Lackland.

A Few Good Things You Want.

Cash with Order.

Dracaena Indivisa, 4 and 5-inch, $10.00 and $25.00 per 100.
Asparagus Plumosus, 2-in., $3.00 per 100. 3-in., $5.00 per 100.
Asparagus Sprengeri, 2-inch, $2.50 per 100.
Geraniums, S. A. Nutt, John Doyle, Perkins, Double Gen. Grant, La Favorite, 2 in. pots, $2.00 Rooted cuttings, $1.00 per 100.
Rex Begonia, nice plants, and 2¼-inch, $5.00 per 100.
Boston Ferns, 5-inch, 30c each.
Pierson Ferns, 5-inch, 50c each.
Vinca Var., 2-in., $2.00 per 100.
Gladiolus, blooming buds, extra fine mixture, to close out while they last, 60c per 100; $5.00 per 1000.

GEO. M. EMMANS, NEWTON, N. J.

500,000 VERBENAS

60 Finest Named Varieties.

Rooted Cuttings, 75c per 100; $6.00 per 1000
Plants, $2.50 per 100; $20.00 per 1000.

Our list is the choice from millions of seedlings. Order early.

The floral and plant business of the late Mr. J. L. Dillon will be continued under his name by his executors.

LOUISE H. DILLON, ALICE D. FURMAN } Executors.

J. L. DILLON, Bloomsburg, Pa.

STRONG 4-in. Asparagus Plumosus

$10.00 per 100.

DRACAENA INDIVISA, 5-in. pots, $15.00 per 100

Cash with order.

The H. Harrington Company,
VASHON, WASHINGTON.

It is good business policy .....to mention the American Florist

When you write to an advertiser

The Seed Trade.

American Seed Trade Association.
H. W. Wood, Richmond, Va., Pres.; C. S. Burge, Toledo, O., First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas. Twenty-fifth annual convention at New York, 1907

VISITED CHICAGO: C. Reno Root, representing the Barteldes Seed Co., Denver, Col.

A somewhat belated consular report shows that the Irish exports of clover and grass seed in 1904 totaled $823,612.

LOS ANGELES, CAL.—John C. Bodger is starting on an eastern trip representing John Bodger & Sons, seed growers of Gardena.

C. C. MORSE & Co., seed growers of San Francisco, Cal., report that their representative will not make an eastern contracting trip this season and that conditions do not encourage them to fix contract onion seed prices now.

THE PLANTERS' SEED Co., Springfield, Mo., has secured a patent on its Ideal seed cabinet. This is a glass front bulk seed display cabinet with outlet for seed in the rear. The firm made shipments recently of some of its cabinets to Mexico and California.

IT is currently reported that a California onion seed grower who guaranteed full delivery on his 1906 contract was held up by an enterprising western dealer to the tune of several thousand dollars of perfectly good money when short delivery was tendered him.

MITCHELL, S. D.—The Dakota Improved Seed Co. which was organized here several weeks ago made the first step towards establishing a place on which to do business December 22. The company made the purchase of a valuable quarter section of land lying a half a mile southwest of the university which will be utilized in growing seeds.

Gladiolus Praecox.

Frederick Roemer, the German seed grower, is offering Gladiolus Præcox this season. Mr. Roemer claims this strain will bloom the first season if the seeds are sown early in spring. He gives it the common name of the annual gladiolus and claims that one-year-old bulbs produce from two to three flower spikes, the strongest of which bear from six to 12 open flowers at the same time.

W. W. Rawson & Co.'s New Store.

The new store of W. W. Rawson & Co., Boston, Mass., is a very fine one and quite originally arranged. All the arrangements are very homelike and the comfort of customers is studied in every possible way. There are fine reception and reading rooms, with a complete library of all the most up-to-date books. All the horticultural magazines of any note are filed and a very complete lot of flower photographs are collected, in albums, for the use of visitors. Having discarded florists' supplies, the firm bends all its energies to seeds, bulbs and plants, and it has probably the finest and most up-to-date store, as well as the most distinct and original in the country.

Seedsmen's Premiums.

ED. AMERICAN FLORIST:—

For some time, the writer has been seeing in the several trade papers, comment by the various seed houses on the use of premiums, etc., to draw trade. We have never, at any time in the history of our business, made a practice of offering $1 worth of seed for 40 cents; neither have we ever used the privilege of selecting $1.25 worth, or perhaps more, for $1. Our prices are plainly carried out and we have found this by far the best means of handling the trade.

We have made quality the first consideration and we think our customers appreciate this for the reason that we have gathered together the most critical gardeners, into our list of buyers, from Florida to Boston. We have, however, for our mail order trade, tried the booklet this year for the first time. It is our intention, if it makes good, to use a series of booklets as a follow-up. It occurs to us that the booklet has been used with unvarying success in other businesses and we are at present having excellent returns from its use. It is only intended as a means of establishing interest and gathering new names which it is accomplishing to our entire satisfaction. We would like your comment on the idea, and would appreciate any additional ideas you may furnish us.

J. F. NOLL & Co.

[The booklet contains some comment designed to interest farmers and gardeners and an unstamped postal card with spaces for names and addresses of persons desiring catalogues. The booklet is not costly and as it serves its purpose, the publishers are to be congratulated.—ED.]

Imports.

During the week ending December 29 imports were received as follows:

New York.—C. C. Abel, 50 cases plants; Busk & Jevons, one case plants; S. D. Crosby Co., 10 bags garden seeds; F. H. Darrow, four boxes trees, four cases plants, six barrels and three bags seeds; H. Bayersdorfer & Co., three cases moss wreaths; R. J. Godwin's Sons, 152 packages agricultural seeds; C. A. Haynes & Co., five cases palm seeds; Heidelbach, Ickelheimer & Co., 150 bags poppy seed; A. Herrman, 28 cases artificial flowers; Kennedy & Moon, 10 bags seeds; Johnson & Co., seven cases flowers; Aug. Rolker & Sons, 55 cases plants; C. F. Meyer & Co., two cases bulbs; Elizabeth Nursery Co., one case plants; P. Henderson & Co., four barrels, 250 bags, one case and five packages seeds, one case cauliflower seed and eight bags cabbage seed; Maltus & Ware, 18 bags seeds, 25 cases plants, nine cases plants and bulbs, 13 cases flowers and four cases roots; McHutchison & Co., 16 cases plants and 10 cases lily of the valley pips; P. W. Ouwerkerk, 12 cases trees; Vaughan's Seed Store, two cases bulbous roots, four cases seeds; J. M. Thorburn & Co., one case seeds, 35 cases lily of the valley pips. Yokahama Nursery Co., two cases cabbage seed; Stumpp & Walter Co., 45 barrels grass seed; International Despatch, one case plants; C. F. Meyer, two cases bulbs; Henry Nungesser & Co., 150 bags clover seed; J. Roehrs Co., 16 cases trees; C. B. Richard & Co., five cases plants; Lazard Freres, 250 bags poppy seed; Schulz & Ruckgaber, 105 cases lily of the valley pips; W. Taat, two cases lily of the valley pips; Towns & James, 10 barrels seeds; W. Smallwood & Co., one case rose plants.

Naples Seed Lists.

We are accustomed to hear of short supplies of seeds owing to unpropitious seasons, but it is not so common to hear of a deficiency from volcanic action. The heavy and prolonged rain of ashes which fell in April last during the outbreak of Mount Vesuvius destroyed many crops around the volcano and supplies of vegetable and flower seeds will in consequence be deficient.—Gardeners' Chronicle.

The Prevention of Corruption Act.

We are afraid some of our readers will almost begin to tire of the numerous references to this subject which we have made of late, but it is one of such immense importance, not only in our business, but to the whole commercial word, that we feel it our duty to keep the trade thoroughly posted in each fresh point as it arises. H. Morgan Veitch has very kindly drawn our attention to an aspect of the case which has up to the present received very little attention, the nature of which renders it extremely unadvisable to ventilate in the public press; we refer to the

READING AND SHOW ROOM OF W. W. RAWSON & CO.'S NEW STORE.

liability to civil action incurred by those who give anything in the nature of discount or commission to an agent.

It cannot be too strongly impressed upon members of the trade that in addition to the criminal risks they will incur after January, they are even now liable to civil action by any customer for the repayment to him of all sums which they may have paid to his gardener or agent as commission. We need scarcely indicate to any intelligent reader that this is a view of the case which it would not be wise to discuss in the ears of the public but it should receive its proper share of consideration among ourselves. How real the risk is will be judged from the following notes of a case in which he was himself engaged, very kindly supplied to us by Mr. Veitch:

"A tobacco manufacturer, whom we will call A, sold very largely to a firm we may here refer to as B & Co. It came to the knowledge of B & Co. that at Christmas time, and also about the period of the summer holidays, A gave B & Co.'s buyers presents by check for substantial amounts, and there was reason to believe that this represented a percentage on their total purchases made from A. The latter practically admitted that this was the case, but urged that he had no fraudulent intention whatever in making these gifts, being influenced solely by the fear that if he abstained from giving such presents, other tobacco manufacturers might lead orders away from him, by allowing these secret discounts to his customers' buyers. His experience will no doubt coincide in this respect with that of many traders in other branches of business."

"B & Co. sued A for damages, and amongst other pleas they brought a charge of fraudulent conspiracy and claimed damages to the extent of over £1,000. The action came on trial before a judge of the high court with a special jury, and A succeeded in proving to the satisfaction of the jury that he had taken no improper advantage of the influence which the secret discounts might have had on the minds of the buyers in question; accordingly the jury wholly rejected the suggestion that there had been any fraudulent conspiracy, between A on the one hand and the buyers on the other, for the purpose of cheating B & Co., and in fact A proved that having regard to the large bulk of trade which he did with B & Co., he had actually charged them lower prices for the goods supplied than it was his habit to do in the case of any other customers. Accordingly the jury awarded B & Co. damages to the extent of one farthing only, and as the judge took the view that this amounted to an intimation that the action should not have been brought, he entered up judgment for A, and directed B & Co. to bear the costs of both sides."

"B & Co. appealed, with the result that the court of appeal set aside the verdict of the jury, and held that, in addition to bearing all the costs, A was liable to pay to B & Co. an amount equivalent to the total sums which had been paid to the latter's buyers, and the Court stated that in their view where such a state of affairs was allowed to exist, it would be right to assume that the amounts paid to the buyers had in fact been added or 'loaded' on to the price charged to B & Co. for goods supplied. In other words that had it not been for these secret discounts the customers would have been charged an even lower price than what they had paid. It will be noticed that the effect of this case was

SEEDS.

BELL & BIEBERSTEDT, Leith, Scotland.

Exporters and Importers of

Clovers, Rye Grasses, Natural Grasses, Swed Turnip, Mangel Wurtzel, Vegetable and Flower Seeds.

Vegetable Plants.

CABBAGE New Early and Succession, $1.25 per 1000.

LETTUCE Grand Rapids, Big Boston, Boston Market and Tennis Ball, $1.00 per 1000.

PARSLEY Moss Curled, $1.25 per 1000.

TOMATOES Lorillard and Mayflower, 40c per doz., $2.00 per 100.

R. Vincent, Jr. & Son, White Marsh, Md.

SEEDS

If you are in need of any of the following, write us for prices.

Bee Cabbage, Cannon Ball and Rocky Ford Musk Melon, southern-grown Watermelon, Bermuda and other Onion Seed, Okra, Mustard, French and California-grown Radish, Tomato, Mexican June Corn, Kaffir Corn, German Millet, Dwarf Yellow Milo Maize, Sugar Cane, Winter Barley, Red Rust Proof Oats, Cotton Seed, Whippoorwill and White Black-Eyed Field Peas, Spanish Peanuts, Johnson and Bermuda Grass.

TEXAS SEED AND FLORAL CO.

DALLAS, TEXAS.

QUALITY SEEDS BULBS PLANTS

SEND FOR CATALOGUE.

ARTHUR T. BODDINGTON

343 West 14th St., New York.

PURE CULTURE

MUSHROOM SPAWN.

Per 10 bricks....$1.50 | Per 25 bricks..$ 3.50
Per 50 bricks.... 6.50 | Per 100 bricks.. 12.00

Fresh Tobacco Stems, in bales of 300 lbs.. $1.50

W. C. BECKERT, Allegheny, Pa.

The Chas. H. Lilly Co.

SEATTLE, WASH.

—Growers of—

PUGET SOUND CABBAGE SEED

C. C. MORSE & CO.

SEED GROWERS.

171-173 Clay Street, : SAN FRANCISCO, CAL.

OUR SPECIALTIES: Onion, Lettuce, Sweet Peas; also Carrot, Celery Celeriac, Cucumber, Endive, Leek, Mustard, Parsley, Parsnip, Radish, Salsify, Spinach. Tomato and Flower Seeds.

Growers for the Trade on Contract.

Warehouses: at SANTA CLARA.

Farms and Farm Headquarters: CARNADERO, near GILROY.

Registered Cable Address: "Morseed," San Francisco.

Aster Seeds

Now is your opportunity to get

Strictly Fresh and True to Color Seeds

at very low prices.

	¼ oz.	1 oz.
Vick's Daybreak	$ .35	$1.25
Vick's Branching, white, pink, bright rose, purple	.20	.75
Dreer's Branching, shell pink, lavender	.20	.75
Carlson's Branching, shell pink	1.00	2.50
Kate Lock Branching, white and Daybreak	.30	1.00
Vick's Early Snowdrift, white	1.50	5.00
Queen of Market, light pink	.15	.50

Special prices on large quantity.

Send for Bargain List of Cannas.

NATHAN SMITH & SON

ADRIAN, MICH.

New Crop Flower Seeds

Just Received New Crop Stocks in Fine Condition.

STOKES' STANDARD SEEDS FOR MARKET GARDENERS PHILADELPHIA

SALVIA "BONFIRE," my own growing. **Celebrated "Floracroft Strain"**....Trade pkt., 30c: per oz.. $2.00
VERBENA, (Mammoth) white, scarlet, purple, pink, mixed.....Trade pkt., 30c: per oz.. $1.25
PHLOX DRUMMONDII GRANDIFLORA, in separate colors, trade pkt., 20c: per oz., 75c. **Dwarf Compact,** "Snowball" and "Fireball," trade pkt. 30c: per oz. $1.50
ASTERS, finest sorts, many of my own growing.
ANTIRRHINUM, (Snapdragon) giant white, garnet, pink, scarlet, striped, yellow, mixed, trade pkt., 20c: per oz.. 60c

My 1907 Market Gardeners' and Florists' Catalogues, also my **General Retail Seed Catalogue** for 1907 are now ready for distribution.

See my new **"STOKES' STANDARD"** way of selling vegetable seeds. **IT IS DIFFERENT.**

Stokes Seed Store.

219 Market Street, PHILADELPHIA, PA.

quite distinct from the rule of law which enables the principal to recover from his agent any secret profit made by the latter. In the action in question the principal was held to be entitled to the amount of secret discount from the person who had already paid it to the agent, though nothing fraudulent in the business transactions themselves had occurred."

In his communication to us, Mr. Veitch summarizes the risks to be run by those who disregard the Act after January 1st next; these are:

"1. Blackmail by any party who has once received secret discount, and who may threaten to turn King's evidence; and also, of course, by any traveler or agent employed to give discount, or who is cognizant of same having been given.

"2. If it were sought to checkmate threats of blackmail by a flat denial (there being presumably no actual evidence of the transaction in existence), the denial to be of any use might have to be repeated on oath at a later stage, with possibly a prosecution for perjury to follow.

"3. The financial liability to refund to the buyer's employer at least the amount of total secret discounts allowed during past years (this liability already exists).

"4. Criminal liability under the prevention of corruption act.

"5. Damage to commercial reputation even in the event of a criminal action proving abortive."—From the Horticultural Advertiser, of England.

Tacoma, Wash.

STOCK SHORT.

The amount of business this year at Christmas was about equal to that of last year, but only because there were no more flowers to be had. I find after talking with several retailers that the call was at least twice as heavy with no larger supply of cut flowers and not as many suitable pot plants to be had. Cut flowers of all kinds have been in short supply all over the coast this season and prices have ruled high. I believe everyone, who handles cut flowers, tried to buy from everyone else, all the way from San Francisco to Victoria, B. C. Just a few of these had business courtesy enough to reply, and say "I will not have enough and am trying to buy for myself." Such a great number of eastern people have come to the coast that we cannot keep the supply up to the demand. So much of the glass in this section is used for lettuce and vegetable growing that we have more greens than flowers.

S. L. H.

Columbus, O.

Local retailers have had an unusually busy holiday trade. High prices did not seem to lessen the demand in the least. Stock in general was very good and not as scarce as in some former years. The poinsettia is rapidly becoming more and more the Christmas flower. Each year sees it growing in popularity. This season there was a splendid demand for them, prices ranging from $2.50 to $3.00 per dozen. Red carnations and violets also had their turn this year, and most of them were very good stock. New Year's is causing somewhat increased activity on the market, but nothing unusual.

CARL.

SPRINGFIELD, MO.—The Planters Seed Co. reports that its Christmas trade in holly and wreathing was double that of last year and nearly as large on trees. Stock in general seemed better cleaned up with everyone than last year.

Milwaukee.

NOTES AND COMMENTS.

The florists' and gardeners' pioneer landmark has lately been abandoned. The old stamping ground so long known as the East Division Market, which was controlled for 40 years by a gardeners' association and was at one time a prominent feature in our city, has outlived its usefulness. The growth of commission houses in vegetables, enabling growers in all localities to compete, and later our wholesale flower centers, have defeated the original object of the association. Among those who were the last to abandon the stand were J. Arnold, J. C. Rost and C. F. Kitzrow, each of whom have fitted up very creditable flower stores. There is one feature of the business which they still retain and it is one which the modern store, which has only the wholesale commission house to depend on, is in need of; that is the cooperation of a greenhouse, in serving the many requirements of customers which cannot be gratified without it. There is a lucrative breach here for some one original and enterprising enough to step into. Who will it be?

Residents of Chippewa Falls are gratified in becoming joint owners of a 163 acre park, extending north on both sides of the creek from Bridgewater avenue to the Glenn Mills property. It is a beautiful tract and has been named Irvine Park, Wm. Irvine having donated the major part of the land; donations were also made by L. C. Stanley and the Chippewa Lumber & Boom Co. of which F. Weyerhaeuser is president.

The gentlemen who make up the park commission are M. S. Bailey, president, Edward Reister, John Hackenbrock, Henry Casper and John Theriault. A landscape gardener has been consulted and if he does not spoil what nature has already accomplished, one of the most beautiful parks in northern Wisconsin will result.

La Crosse, Wis., has received from Alderman N. C. Bachellor 43 acres of land, to be used for a park: the land lies in an ideal location along the Mississippi river and no conditions are attached to the gift. There being no park commission, the matter will be referred to the council committee on grounds.

Geo. J. Kellogg, of Lake Mills, is calling his neighbors together to talk horticulture; these talks will be conducted under the auspices of Lake Mills Horticultural Society, for the purpose of disseminating ideas among the residents for the care of all outdoor subjects.

The Algoma Horticultural Society has elected Mr. Atheran, president, T. A. Cook, vice president; H. C. Christiansen, secretary; C. Philipsen, treasurer. The society is thriving and full of enthusiasm.

Wm. Edlefsen has this week a light blue window, a color scheme which is praiseworthy and should be used by florists more generally than it is.

C. B. W.

ELIZABETH, N. J.—Hitchings and Co. are now erecting a large factory here for the manufacture of greenhouses.

NOROTON HEIGHTS, CONN.—At the soldiers' home the greenhouses are in fine condition just now, Golden Gate, Bridesmaid and General McArthur roses being especially good, also the carnations.

Cleveland.

HEAVY CHRISTMAS TRADE.

The dark cloudy weather that has prevailed for the last month, naturally caused a great scarcity in all cut flowers, and, as was to have been expected, stock was high in price. It was evident that growers in this section have learned that it does not pay to hold two week's cut and dump it on the open market at the last minute, as there was no pickled stock to be found. This of course does not always give the retailer all the stock wanted, but what he does get is good and he is not afraid to ask good prices. Carnations were a little short in supply which was a natural consequence when one considers their popularity. Roses were not as eagerly sought, the high prices causing the buyers to think it over a long time before making the purchase. Violets could not have sold better. This of course was caused by so many being worn for Christmas dinners. Poinsettia went a trifle slow which was largely due to the use of artificial ones, which were used in this city by the thousand. Pansies, sweet peas and narcissi all sold equally well. Stevia went a trifle slow. The Gov. Herrick violet came in fine and were all picked up early.

NOTES.

The volume of business done by Smith & Fetters Christmas week was something enormous, it being impossible to get all the orders out until Christmas night.

The double violets handled by the Cleveland Cut Flower Co. for Christmas were the finest seen here in a long time.

Simon Anderson is sending in an extra fine cut of Roman hyancinths. His carnations are also hard to beat.

A. Graham & Son were showing a fine window of poinsettias the past week, both cut and in pans.

The James Eadie Co. had a very fine window of ferns, bells, and red wreaths Christmas week.

W. F. Kramer, of Rocky River, sent in a fine cut of carnations for the holidays.

F. W. Griffin had a very attractive window display of Christmas novelties.

C. M. Wagner reports holiday trade all that he could possibly handle.

OHIO.

FREEPORT, ME.—John Burr has shipped 15,000 chrysanthemums this season.

SHELBURNE, VT.—Work on the new potting houses at the Farms greenhouses is rapidly progressing.

LYNN, MASS. — Brooding over his brother's death and the loss of a lot of plants by frost, caused J. F. Marble to attempt suicide by inhaling gas. He is now at the Lynn hospital, where it is thought he will recover.

NOROTON HEIGHTS, CONN.—Enchantress, Red, Pink and White Lawson, and Lady Bountiful carnations have done well at Ezra Hartwright's greenhouse, but Prosperity has been a failure here, and with other local growers.

LYNN, MASS.—The Lynn school garden managers have been very successful during the past season, having won $12 from the Massachusetts Horticultural Society and valuable prizes from the Houghton Horticultural Society.

VICK'S ASTER SEED

THE STANDARD OF EXCELLENCE

Vick Quality Asters

Introduced by us Grown everywhere

Vick's Branching (7 colors)
Vick's Snowdrift
Vick's Lavender Gem
Vick's Daybreak
Vick's Purity
Vick's Mikado
Vick's Violet King

How to Grow Asters

Is a little handbook compiled by us for the practical uses of Aster Growers.

Price 10 Cents

Free with an order of Aster Seed.

SPECIAL OFFER

One Paper of each of Five New Varieties and How to Grow Asters for $1.00

Send for our New Illustrated and Descriptive

Aster Book for Florists

It describes in detail not only the varieties originating with us, but all the other leading sorts.

The largest and handsomest work of its kind ever issued.

Intended only for wide-awake Florists who appreciate the fact that

The Best Quality is Always the Cheapest

MAILED FREE UPON REQUEST.

JAMES VICK'S SONS
ROCHESTER, N. Y.

The Leading Specialists and Largest Growers of High-Grade Asters in the World.

Five New Varieties for 1907

VICK'S SUNSET—Companion to Daybreak and Purity, in color a delicate pink shading to a deep rich pink in center. Profuse bloomer. Price per packet 25 cts., 2 pkts. 40 cts.

VICK'S UPRIGHT—Long graceful stems, branch out at the ground and grow directly upwards. Flowers are symmetrical, double and full to the center. Splendid for cutting. Especially valuable for shipping. Price per packet 25 cts., 2 pkts. 40 cts.

VICK'S ROYAL PURPLE—An offshoot from the Branching. Unlike its parent it sends out stems close to the ground. A medium early variety but lasting until late in Fall. Nearly every stem produces specimen flowers. Price per packet 20 cts , 2 pkts. 35 cts.

VICK'S BRANCHING ROSY CARMINE—A new color in the Branching Class. Leading florists pronounce it a shade which will be popular with the trade. Price per packet 25 cts., 2 pkts. 40 cts.

VICK'S CARDINAL—The best bedding Aster ever introduced. A good one for cutting. With its profusion of flowers and brilliant coloring it makes a handsome showing. Price per packet 25 cts., 2 pkts. 40 cts.

As we would like to know where you saw this adv. please mention THE AMERICAN FLORIST when you write.

A. J. Pieters Seed Co.

HOLLISTER, CAL.

— GROWERS OF —

Vegetable and Flower Seeds.

Special attention paid to selected stocks.

A. J. Pieters, President and Manager, will visit the trade December-January.

Please mention the American Florist when writing.

John Scheepers & Co.

Finest Bulbs, Seeds, Plants and Valley.

NEW YORK CITY.

Send for valuable Free catalogue.

Please mention the American Florist when writing.

BURPEE'S SEEDS PHILADELPHIA.

Wholesale Price List for Florists and Market Gardeners.

MICE PROOF SEED CASES.

SEND FOR BOOKLET.

HELLER & CO., Montpelier, O.

SPIREA FOR EASTER FORCING.

If you have not got all the spirea that you want for Easter and Decoration Day, we still have a few thousand fine clumps left, which we offer as long as unsold as follows:

	Per 100
Gladstone. The best of all the spireas. Free bloomer, fine large spikes. Extra. Selected clumps	$12.00
Astilboides floribunda	$5.00
Case of 300 clumps for	$12.00
Compacta multiflora. Strong clumps	6.00
Japonica. Strong clumps	5.00

GLADIOLUS COLVILLI.

Alba "The Bride." White	75c per 100:	$6.00 per 1000
Rubra. Red	60c per 100:	5.00 per 1000

MINIATURE HYACINTHS, or DUTCH ROMANS.

We still have a few thousand of these left, which we can supply in a fine assortment of named varieties. $2.00 per 100: $16.00 per 1000

These can be potted up, if done at once, and will make nice Easter stock.

NARCISSUS.

Double Von Sion. We have a few thousand extra quality bulbs to offer.	$1.50 per 100:	$12.00 per 1000
Princeps. A few thousand extra sized bulbs	.75 per 100:	6.50 per 1000
Single Von Sion	1.25 per 100:	10.00 per 1000

TULIPS.

Cottage Maid. The best pink for late forcing	$1.00 per 100:	$ 8.00 per 1000
Kaizerskroon (Grand Duc). The favorite forcing variety	1.75 per 100:	15.00 per 1000

LILY OF THE VALLEY.

Pierson's Premier. Best selected Berlin for earliest forcing	$1.50 per 100:	$13.00 per 1000
Case of 2,000 for		$24.00

If you can use any of the stock offered, let us have your order quickly.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York

CANNAS

	Per 100
10 varieties, dry bulbs, my selection	$2.50
Geraniums, 10 var., my selection, 2-2½ pot	3.00
Pansy Plants, small, from frames, $3 per 1000	.50
Asp. Plumosus Seed, Feb. 15, $2.50 per 1000	.60

—CASH.—

JOS. H. CUNNINGHAM, Delaware, O.

THE WORLD'S BEST

Strain of Gaillardia. Seed saved this autumn from our collection of named varieties from best European growers. Colors run from primrose with pink center to deepest crimson, including solid yellows and reds. Plant now for summer bloom. Large packet, $1.00. Cash.

Riverside Greenhouses, AUBURNDALE, MASS.

The Nursery Trade

American Association of Nurserymen.
Orlando Harrison, Berlin, Md., President; J. W Hill, Des Moines, Ia., Vice-President; George C. Seager, Rochester. N. Y., Sec'y.
Thirty-second annual convention, Detroit, Mich., June, 1907.

VISITED CHICAGO: Nelson Bogue, of Batavia, N. Y., and L. C. Chase, of Rochester, N. Y., enroute to Japan.

THE Department of Agriculture has issued an exhaustive new bulletin on the San Jose scale, by C. L. Marlatt of the bureau of entomology.

NEW YORK.—Orlando Harrison, president of the National Association of Nurserymen, E. Albertson, Bridgeport, Ind., and Prof. John Craig, of Cornell University, Ithaca, N. Y., were visitors December 29, attending the conference of economic entomologists.

ALONG the road sides in Hanover, Germany, there are 175,794 fruit trees, largely apples, under government control. It is an old custom in Germany and other European countries. In the province in question the yearly income from the trees has sometimes been nearly $40,000.

ELIZABETH, N. J.—E. P. Beebe, who has 19 acres devoted to shade trees, roses, shrubs and herbaceous plants, has sold his ground for building purposes and will retire as soon as his stock is disposed of or at the end of 1907. Mr. Beebe is 74 years of age and has been in the nursery business since 1869.

EUROPEAN parasites of the gipsy and brown tailed moths have been successfully introduced to this country. This and many other services to cultivators have been rendered by the Bureau of Entomology, U. S. Department of Agriculture, in correspondence and conjunction with similar institutions abroad.

GREENFIELD, IND.—Dr. Will P. Card has bought the interest in the Crown Hill nurseries, until recently owned by T. J. Wilson. The new firm will be known as Card & Card, and a greatly increased business in forest tree seedlings is anticipated. The nursery is located on the farm of Capt. P. O. Card, Dr. Card's father and the senior partner in the business.

IN a moist soil the Japanese irises, varieties of I. Kæmpferi, thrive splendidly and their lovely flowers are not surpassed by those of any species in this extensive genus. The somewhat flat arrangement of the segments of the flowers shows up with fine effect their soft and beautiful colors. These are wonderfully varied and the plants flower later than those of most other irises.

MANKATO, MINN.—The Blue Earth County Nursery, recently organized, promises to be an important factor in the commercial interests of the city. Ole Andengaard is president and treasurer and M. L. Gjestrum is manager. The company owns or has leased 62 acres of land bordering on East Main street and will engage extensively in the culture and sale of trees of all kinds. Both president and manager are practical men and there should be a good field here for their energies.

The Profession of Forestry.

In every station of life are born men and women who have a natural taste for wandering in the fields and woods. They are keen observers, with an instinctive tact for getting along with birds and animals and for dealing with plants and trees. The hampered amusements of indoor life are tedious to them, and whenever the opportunity presents itself the greatest treat in the world is the privilege of a tramp in the country. The road may be rough and the scenery without special interest to an artist, the pastures may be barren lands and the woodlands degraded with weeds and scraggy underbrush, yet to them it is the open out of doors, the tent of the sky overhead and the free wind of heaven fanning their brows with a great silence all around save where the crooning voices of nature are heard.

To men and to women with this mental outlook the profession of forestry has attractions. It is a field of employment that has risen to the grade of a scientific profession and one that carries honors and pleasures with it. Several of the state universities have schools of forestry, and skilled students are never lacking employment.

The permanent field force of the forest reserves now contains the grades of forest inspector, assistant inspector, forest supervisor, deputy supervisor, forest assistant, forest ranger, deputy ranger, assistant ranger, and forest guard.

To be eligible as a ranger of any sort the applicant must be sound and capable of enduring hardships, and of performing severe labor under trying conditions. No one should enter for examination who is not prepared to take care of himself and his horse in remote regions. He must be able to deal tactfully with all sorts of people, build trails, roads, cabins, and to shoot, ride and pack. And he should have a fair knowledge of surveying, estimating and scaling lumber, land laws, mining and live stock business.

At examination time the aspiring ranger must show that he can actually do these things, and he is put to the actual test. Where boats, saddle horses or pack mules are required, the ranger must own and take care of them. He must be on the go all the time, here, there, and everywhere, perhaps on the patrol to prevent fires or trespassers, now estimating, surveying and marketing lumber, and supervising cuttings and similar work.

It is a fascinating career for the man with a taste for a wild life; and while it has its hardships, it has its compensations as well. The interests are varied and full of excitement. In the little known reserves and unexplored sections there is always the element of adventure and discovery and a touch of romance along with the practical technical side.

Examinations for these positions are held in each state and teritory in which forest reserves are situated. Applicants for the positions of ranger or supervisor must be legal residents between the ages of 21 and 40. The salaries of inspector and his assistant will depend on varying circumstances, but the pay of other positions is not bad. When promotions are earned they will follow. Hence the forest supervisor may begin on $1,800 a year and climb to $2,500. His deputy may commence on $1,500 and reach $1,700. A ranger has $1,200 to $1,400 and his deputy $1,000 to $1,100. An assistant will get $800 to $900 and a forest guard from $600 to $720.

The post of a forest supervisor is gained by the promotion of experienced rangers or assistants. The forest supervisors must have a familiarity with reserve problems and show efficiency in the conduct of a reserve business. They inspect the territory and report on existing conditions and recommend changes for the better in both technical and business management. They deal with the public in business connected with the sale of lumber, control of grazing, issuing of permits, etc.

The assistants of supervisors must have had technical training of a high order. They must be competent to handle working and planting plans, the investigation of the sylvics, and uses of commercial trees, the study of wood preservation, and all the duties of a trained forester. Forest assistants are required to keep horses of their own.

FIELD OF PHLOX AT MARTIN KOHANKIE'S NURSERY, PAINSVILLE, O.

PEONIES.

From our large and select stock, such as the following varieties:

Prince Charles.	Philomile.
Mons. Boquil.	Lord Salisbury.
Leonie.	Festiva.
Duchess of Sutherland.	Hypatia.
Rosea maxima.	Mons. Rousselon.
Mme. Furtado.	Mme. Moreau.

and many other good varieties all true to name.
Strong 1 year old.....$1.50 per doz.; $10.00 per 100
" 2 " " ..... 2 00 " 15 00 per 100

Iris Germanica, Mme. Chereau, Gracchus, Florentine, Socrates, Duchess de Nemours, Dr. Bernice and 20 other good sorts, $2.50 per 100; $22.50 per 1000.

Hemerocallis (Day Lilies), in 10 varieties, to clear, $3.75 per 100; $30.00 per 1000.

The Undermentioned are Strongly Recommended for Cut Work.

Delphinium Belladonna, distinct, continuous bloomer, lovely sky-blue, 1 year old plants, $6 25 per 100; $57.50 per 1000. 3 year old clumps, $8.75 per 100; $75.00 per 1000.

Chrysanthemum maximum King Edward, the finest and largest hardy White Marguerite, four F. C. C 's and A. M., R. H. S., strong from ground, $8.75 per 100.

Lathyrus latifolius White Pearl, true from cuttings, flowers double the size of the old white variety, A M., R. H. S., strong from ground, $16.25 per 100. Seedlings, not guaranteed, $12.50 per 100.

Buyers of **Begonias, Dahlias** and **Cannas** should see our catalogue and write for prices. Special terms for quantities.

THOMAS S. WARE, Ltd., FELTHAM, ENGLAND.
Formerly of Tottenham.
Please mention the American Florist when writing.

ROSES.

Heavy Native Grown Stock.

	Per doz.	100
Baby Rambler	$2.50	$20.00
Hermosa	1.65	12.50
Clothilde Soupert	1.65	12.50

Imported Roses

Extra Heavy Hybrid Perpetuals.

	Per 10	100
All leading varieties	$1.50	$12.50
Baby Rambler	2.00	17.50
Crimson Rambler	1.75	15.00

Hollyhocks.

A nice lot in separate colors...$7.50 per 100

PERENNIAL GARDENS CO., Toledo, O.
Please mention the American Florist when writing

NURSERY STOCK

All kinds of Hardy Nursery Stock.
Ask for prices.

KLEHM'S NURSERIES,
ARLINGTON HEIGHTS, ILL.

Specimen Nursery Stock.

Deciduous Trees and **Shrubs, Evergreens, Rhododendrons, Azaleas.**
Over one hundred (100) acres of the choicest varieties. Send for price list.

COTTAGE GARDENS COMPANY,
Queens, Long Island, New York.
Please mention the American Florist when writing.

TREES AND SHRUBS.

We make especially low prices on **Nursery Stock** to Parks, Cemeteries, etc. Wholesale price-list on application. We carry immense quantities of the finest named varieties of

PEONIES.

PETERSON NURSERY 503 W. Peterson Ave. CHICAGO, ILL.

Spireas, Azaleas, Rhododendrons, Etc.

SPIREA NANA COMPACTA, strong clumps in best condition.....$4.00 per 100.

AZALEA INDICA. Mme. Van der Cruyssen, Prof. Walters, Empress of India, Helen Thielman, Simon Mardner, at import prices to close:

12 to 14 inch crowns .....$45.00 per 100.
14 to 16-inch crowns..... 55.00 per 100.
16 to 18-inch crowns..... 90.00 per 100.

AZALEA MOLLIS. Fine forcing, bushy and full of buds.

12 to 15 inches high.....$25.00 per 100.
15 to 18 inches high..... 35 00 per 100.

RHODODENDRONS. Bushy, perfect plants, brightest and best we ever had; full of flower buds.
18 to 20 inches high.....$ 9 00 per doz.
20 to 24 inches high..... 12.00 per doz.

LATANIA BORBONICA, 4-inch pots, short and bushy.....$15.00 per 100.

KENTIA BELMOREANA, 5-inch, fine..... 60.00 per 100.

THE STORRS & HARRISON CO.

PAINESVILLE, - OHIO.

Please mention the American Florist when writing.

HIBISCUS SYRIACUS MEEHANII

WE now offer to the trade our new hardy variegated leaf Hibiscus Syriacus Meehanii. This plant attracted much attention when exhibited at the American Nurserymen's Convention at West Baden, Ind., and American Florists' Exhibition at Asheville, N. C. Foliage beautifully variegated; never sun-scalds or reverts to the green; flowers single, very large, satiny lavender; blooms during four months; prices on application. Orders booked now.

P. J. BERCKMANS CO., Inc., Fruitland Nurseries, AUGUSTA, GA.

MANETTI STOCKS

Especially for **FLORISTS'** use Best French-grown.

Grafting size, 3-5 mm.....$7.00 per 1000; $65 00 per 10,000
First size, 5-10 mm..... 9.00 per 1000; 80.00 per 10,000
Newark prices; **duty paid.** For delivery in January. Order now and avoid disappointment.

ROSES, two years, field-grown, well-rooted.

DOROTHY PERKINS.....$ 8.00 per 100
CRIMSON RAMBLER ..... 10 00 per 100
HYBRID PERPETUALS, in good assortment .....$10.00 to 12.00 per 100

Send for our Wholesale Price List of Roses, Clematis, Flowering Shrubs, Conifers, etc.

JACKSON & PERKINS CO., Newark, Wayne Co., N. Y.

Not a bloomin' thing

but Roses to offer you.

101 best sorts. Own roots. 2½-in. and 4-in. Get our price list. Send your want list.

THE LEEDLE FLORAL COMPANY SPRINGFIELD-OHIO

PEONIES.

Queen Victoria (Whitleyii), per 100....$ 9.00
Festiva Maxima, per 100..... 30.00
Fragrans, "Late Rose"..... per 100, 6.00
Large stock of M. L. Rhubarb and Lucretia Dewberry Plants.
For 1000 rates and other varieties, write

GILBERT H. WILD, Sarcoxie, Mo.

Send to **THE MOON** Company
For Your } **Trees, Shrubs, Vines and Small Fruits.**
Descriptive Illustrated Catalogue Free
THE WM. H. MOON CO.,
Morrisville, Pa.

Choice Northern-Grown

2-year in field, fine for forcing.

CRIMSON RAMBLER, 4 to 7 feet....$8.00 per 100
" strong, No. 2, 4.00 per 100

C. M. NIUFFER, Springfield, Ohio.

Jacs Smits, Ltd.

NAARDEN, (Holland.

GROWERS OF
Rhododendrons, Axaleas, pot grown Shrubs for forcing, Lily of the Valley, Spiræa, Paeonias, Roses, Climbing Plants, good varieties of Conifers and all ornamental stock.

Personal Inspection Cordially Invited.
R. R. Depot, NAARDEN-BUSSUM, near Amsterdam
Price list free on demand.
Please mention the American Florist when writing

LARGE TREES.

OAKS and MAPLES.
PINES and HEMLOCKS.
ANDORRA NURSERIES,
Wm. Warner Harper, Prop.
Chestnut Hill, PHILA, PA

The American Florist Company's Directory of Florists, Nurserymen and Seedsmen of the United States and Canada.

(Copyrighted and Title Trade-Mark Registered.)

DIRECTORY REVISION.

We are revising our **Trade Directory** of the **Florists, Nurserymen, Seedsmen,** etc., of the United States and Canada, and as there have been many changes in firm names and considerable extension of the area under glass, nursery grounds, etc., you would greatly oblige by filling out this sheet.

When was business established?.....

Whom did you succeed?.....

Are you a Florist?.....

Grower?.....*Retailer?*.....

*How many square feet under glass?**.....

Are you a Nurseryman?.....

Wholesale?.....*Retail?*.....

How many acres operated?.....

Are you a Seedsman?.....

Dealer?.....*Grower?*.....

What are your specialties?.....

.....

Firm name.....

Proprietor's name.....

Manager's name.....

Street.....

Postoffice.....*State*.....

* ☞ To ascertain the number of feet under glass in a given house, 12x145, multiply the length (145 feet) by the width (12 feet) and you have in that house 1,740 feet under glass, thus.....

145
12
1.740

Horticultural Supply Concerns.

We also list all lines of **Horticultural Supply Concerns,** such as manufacturers of

Greenhouse Building Materials, Boilers, Ventilators, Glass, Insecticides, Pots, Labels, Seed Bags, Fertilizers, Wire Designs, Tinfoil, Vases, Implements, Machinery, Sprayers, Seed Cases, Etc.

The specialties are also listed under these heads in the case of advertisers.

Advertising Rates.

Including Copy of New Edition.

Page (3½x6½ ins.)	$25.00
Half page (3½x3¼ ins.)	15.00
One-fourth page (3½x1⅝ ins.)	9.00

If there are any new firms or trade changes in your vicinity, please give the particulars here:

.....

.....

.....

☞ **PLEASE FILL IN THESE PARTICULARS AND MAIL THIS SHEET TO**

American Florist Company,

Directory Department. **324 Dearborn Street, CHICAGO.**

Flowers from January to Easter.

AZALEAS

Our stock this season is handsomer than ever. Anybody in want of a quantity will do well to inspect our plants before placing their order. We have only popular American varieties: Schryveriana, Niobe, Paul Weber, Prof. Wolters, Raphael, Simon Mardner, Vervæneana, Louis de Kerchove, Mme. Van der Cruyssen, Deutsche Perle, Dr. Moore, John Llewellyn Mme. Cam. Van Langenhove, Mme. Jos. Vervaene, Paul de Schryver, Memoire de l'Van Houtte, Sigismund Rucker.

Diam.	Doz.	100	Diam.	Doz.	100	Diam.	Doz.	100
8-10 in....	$3.50	$25.00	14-15 in....	$7.50	$60.00	18-20 in...	$25.00	$200.00
10-12 in....	4.50	35.00	15-16 in....	9.00	75.00	20-24 in...	36.00	300.00
12-15 in....	6.00	45.00	16-18 in....	12.00	90.00			

Order now and save heavy express charges. Impossible to ship by freight in cold weather.

Forcing Roots and Pot-Grown Shrubs

	Per doz.	100	1000
Spiraea Japonica		$11.50	
Compacta		5.00	
Astilboides Floribunda		5.50	
Gladstone		10.00	
H. Witte (a great improvement over Astilboides Floribunda and one of the best; still better than the so-salled Superba and Blondin	$ 3.00	20.00	
Palmata, the best scarlet variety	2.00	15.00	
Convallaria Polygonatum. Also called Giant Lily of the Valley. It has been forced quite extensively in England. We tried a few last year and they proved to be very handsome. Large crowns	1.50	12.00	
Lily of the Valley, Berlin and Hamburg Pips			$14.00
Dielytra Spectabilis, large clumps		6.00	
Gladiolus Colvilli rubra			6.50
The Bride			8.50
Amaryllis, New Hybrid, all flowering size bulbs, fine strain	6.00		
Lilacs Charles X, Marie Legraye and Mme. Lemoine (double white)	9.00		
Cytisus Laburnum (Golden Chain)	12.00		
Deutzia Gracilis		12.00	
Viburnum Opulus, in bushy form	6.50		
In standard form, very handsome	15.00		
Staphylea Colchica	7.50		
Wistaria, pot-grown	9.00		
Acer Negundo Variegata. This is the so-called variegated Ash-leaved Maple, extensively forced in England for church decorations on account of the beautiful silvery foliage when forced. Extra fine, strong plants, pot-grown	12.00		
Acer Polymorphum, dark foliaged varieties, pot-grown	18.00		

Japanese Maples forced make a very fine foliage effect.

	Per doz.
Crataegus, Paul's Scarlet (Double Scarlet Hawthorn) pot-grown	$15.00 to $20.00
Also a few double white at same price.	
Robinia Hispida (Moss Locust Acacia), scarlet	12.00
Azalea Mollis	$4.00, $9.00, 12.00
Mollis Chinensis	12.00
Mollis Chinensis Anthony Koster	12.00
Rustica	12.00
Mollis, in standard form	12.00
Amygdalus Chinensis, double white and red flowering Almonds, pot-grown	9.00
Chionanthus Virginica (White Fringe) pot-grown	9.00

	Per doz.	100
Daphne Cneorum	6.00	
Kalmia Latifolia, fine budded plants	$12.00 and	18.00
Weigelia Eva Rathke	9.00	
Spiraea Antony Waterer	9.00	
Cerasus Avium, double white cherry	9.00	
Prunus Triloba, in standard form, very fine trees, well budded	12.00	
Almonds, double flowering, in standard form	12.00	
Ribes Sanguineum	9.00	
Cydonia Japonica	9.00	
Rhododendrons, the best forcing varieties, according to size	$9.00 $12.00, $18.00, $24.00 and	30.00
Crimson Ramblers, field-grown, extra strong plants	5.00	$25.00
Smaller plants	3.00	15.00
Baby Ramblers, extra fine plants, 4 and 5-inch pots	4.00	
Imported dormant plants	4.00	25.00
These are extra strong, bushy plants.		
H. P. Roses, a quantity in the following varieties: Gen. Jacqueminot, Baroness Rothschild, Frau Karl Druschki, Duke of Edinburg, Mrs. J. Laing, Paul Neyron, Mme. G. Luizet, Capt. Christy, Caroline Testout, Perle des Blanches, Ulrich Brunner, Magna Charta. Imported plants		12.00
Roses, Standard Magna Charta	6.00	
These are specially selected for forcing purposes. While Standard Roses do not force very well, we had a quantity of these last year for Easter, and they made very handsome specimens.		
Baby Ramblers, Standard, very fine for forcing	18.00	

KENTIAS

We have an immense stock of **Belmoreana** and **Forsteriana,** in all sizes from 15 inches to 15 feet. Our $1.00, $2.00, $3.00, $4.00 and $5.00 sizes, in single and made-up plants, are particularly handsome. We want the reader to see the stock we offer. Order by mail or call and select the plants you like the most.

Araucaria Excelsa, fine plants at 50c, 75c, $1.00, $1.50, $2.00, $2.50 and $3.50 each. These are all perfect, and good value for the money.

Aspidistra, Green and variegated, in all sizes, $1.00, $2.00 and $3.00 each.

BOXWOOD
Pyramidal.

These plants are conceded to be the finest ever imported to this country. (Exceptional value).

	Each
2 ft.	$0.75
2½ ft.	1.00
3 ft.	1.50
3½ ft.	2.00
4 ft.	3.00
4½ ft.	4.00
5 ft.	5.00
6 ft.	6.00

Bush Boxwood, for window boxes, 25c, 35c and 50c.

Bay Trees. We have a large number in all sizes. Ask for prices.

We are pleased at all times to receive visitors at our nurseries. We have 100 acres planted with the most interesting nursery stock in the country.

See Wholesale Catalogue.

BOBBINK & ATKINS,

FLORISTS AND NURSERYMEN, **RUTHERFORD, N. J.**

Please mention the American Florist when writing

LARGEST STOCK OF ALL

Belgian Plants.

AZALEAS, ARAUCARIAS, SWEET BAYS, PALMS, BEGONIAS, GLOXINIAS, ETC.

Louis Van Houtte Pere,
GHENT, BELGIUM.

Please mention the American Florist when writing

CARNATION JOHN E. HAINES.

The leading scarlet, brilliant color, fine stem, the most productive ever introduced; blooms early until thrown out in July; no extra grass. All shoots make flowers. Watch the papers and see what growers have to say about it. None but well-rooted, healthy cuttings leave the place.

Rooted cuttings ready December 15, 1906. Price $6.00 per 100; $50.00 per 1000.

JOHN E. HAINES, Bethlehem, Pa.

Please mention the American Florist when writing.

ASPARAGUS PLUMOSUS

Exceptionally fine stock from 3-in. pots, $5.00 per 100.

ASPARAGUS SPRENGERI, from 3½-in. pots $6.00 per 100.

Write for price on large lots.

SCHARFF BROS., **Van Wert, Ohio**

Please mention the American Florist when writing.

Peoria, Ill.

Christmas business was good here, at least 25 per cent better than last year. Everything brought good prices. Carnations and roses were scarce, we having had cloudy weather since December 1. Azaleas brought good prices, but there was enough for everybody. Poinsettias in pots were in great demand.

NOTES.

M. Sitcowitz, foreman for J. C. Murray, has the houses and stock in good shape, in consequence of which a fine holiday trade was done.

B. Juerjens made quite a hit by decorating his flower pots with waxpaper and ribbon.

Nelson & Klopfer had a large demand for pot plants, all stock being sold out.

Cole Bros., as usual, did a large Christmas business.

Chas. Loveridge did a fine holiday trade.

SALT LAKE CITY, UTAH.—C. S. Martin has purchased the floral establishment in Schramm's drug store in the McCornick building, this city with Miss Mae Berry as manager. Telephones Bell 1011 and Ind. 442.

CARNATION CUTTINGS NOW READY

Order in AT ONCE. Don't delay.

Our cuttings are strong, healthy and well-rooted. Unrooted cuttings at half price. Enchantress $2.00 per 100; $20.00 per 1000. Crusader, $1.75 per 100: $12 50 per 1000. Boston Market, Mrs. T. Lawson, Mrs. A. Nelson, $1.50 psr 100; $12.00 per 1000. Variegated Lawson, $4 00 per 100; $35.00 per 1000. Candace, $5.00 per 100: $40.00 per 1000. Also a fine lot of **Chrysanthemum Cuttings** like Garza, Diana, Gallis, Daisy 'Mums, with many other varieties for the season at low prices.

SCHEIDEN & SCHOOS,
60 Wabash Avenue, CHICAGO.

San Rafael, Cal.

The gardeners, florists and nurserymen of Marin county met in convention at Peterson's hall, December 5, and formed a society to be known as the Marin County Horticultural Society. Permanent organization was effected December 19 and the following officers were elected: John T. Jack, president; J. Hetherington, vice president; Thos. P. Redmayne, Hotel Rafael, San Rafael, Cal., secretary, and Richard Lohrmann, treasurer. As the name of the society indicates, all those actively engaged in any branch of horticulture are eligible for membership and a majority of the local profession have already enrolled. From the spirit manifested a bright future is looked to, especially as a horticultural exhibition, exceeding anything heretofore undertaken locally, is contemplated. T. P. R.

ROOTED CARNATION CUTTINGS READY NOW.

Strong, Healthy and Thoroughly Rooted Cuttings of the following varieties:

	100	1000		100	1000
Victory, (scarlet)	$6.00	$50.00	**Lieut. Peary,** (white)	$3.50	$30.00
Robt. Craig, "	6.00	50.00	**Lady Bountiful,** "	3.00	25.00
Red Sport, "	3.50	30.00	**White Lawson,** "	3.00	25.00
Enchantress, (pink)	2.50	20.00	**Boston Market,** "	2.00	15.00
Lawson, "	2.00	15.00	**Queen,** "	2.00	15.00
Mrs. M. A. Patten, (var.)	2.50	20.00	**Queen Louise,** "	2.00	12.50

Remember we guarantee satisfaction.

250 of any one variety at 1000 rate. Write for discount on large orders.

J. D. COCKCROFT, Northport, Long Island, N. Y.

CARNATIONS ROOTED CUTTINGS.

	Per 100	Per 1000		Per 100	Per 1000
Victory	$6.00	$50 00	**Boston Market**	$1 50	$12.50
Enchantress	2 00	18.00	**Mrs. E. A. Nelson**	2.00	15.00
Lawson (white)	3 00	25.00	**Lawson** (pink)	1 50	12.50
Lady Bountiful	3.00	25.00			

Chrysanthemum Stock Plants.

White: Willowbrook, Kalb, Estelle, Wanamaker, Ivory Robinson. **Yellow:** Appleton, Bonnaffon Halliday. **Pink:** Coombes, McNeice, Enguehard. **60c** per doz.: **$4.00** per 100.

Asparagus Plumosus Nanus, 3 in., $5.00 per 100. **Asparagus Sprengeri,** 2½-in., $2.50 per 100.

E. T. WANZER, Wheaton, Ill.

THE NEW
Cyclopedia of American Horticulture.

BY PROFESSOR LIBERTY H. BAILEY.

Over 4,357 articles in all by 450 expert writers, including practically all the best botanists, nurserymen, seedsmen, florists, market gardeners and experimental station horticulturists. Occupying 2,100 pages and covering 24,434 plant names, 2,800 detailed illustrations, enormously increasing the ease of identification, and 146 beautiful full page illustrations.

Every reader of this paper who is interested in farming, in gardening, in trees, in shrubs, and all out of door matters, absolutely needs this set. It takes the place of all others combined on American gardening.

In Six Great Quarto Volumes of 2,100 Pages You Find:

Descriptions alphabetically arranged of all—over a thousand—of the native trees, plants and flowers worth cultivating, with keys enabling you to name any species, as well as to find all information regarding it. Practical articles by leading experts of the country on all phases of commercial plant production and greenhouse management—cut flowers, vegetables, etc.

Fullest cultural instructions for every flower, fruit and vegetable, tree and ornamental plant you may wish to grow.

SPECIAL OFFER.

The regular price is ***$30.00.*** For a few weeks we are able to offer this new and revised edition with the new material added at ***$25.00*** cash. This offer will be withdrawn after a time.

American Florist Company,

324 Dearborn Street, CHICAGO.

Araucaria Excelsa.

16 to 18 in. high, 4 to 5 tiers, 50c each, $5.00 per doz.

Viburnum Plicatum (Japan Snowball)

All sizes up to 5 ft ; and other **Shrubbery, Honeysuckles,** etc.

ROSES (On their own roots) Our Specialty.

We have left strong field plants of
Clothilde Soupert, Dorothy Perkins,
Baby Rambler, Crimson Rambler,
Phila. Rambler, Sir Thos. Lipton.
2½ and 4 in. pot plants in great variety.

Cannas Over 300,000 roots, including more than 50 of the very best varieties.

Send for our 1907 catalogue, which will soon be ready.

THE CONARD & JONES CO.
West Grove, Pa.

SUPERB

BOXWOODS.

Just Arrived. Perfectly Shaped.

Bushes for Window Boxes, from top of root ball, 12 to 20 inches high.....$0.75 a pair
24 inches high..... 1.00 a pair
Pyramids, 3 ft. high.....$2.00 and $3.00 a pair
" 4 ft. high..... 3.00 and 4.00 a pair
" 4 ft. 6 in. high..... 5.00 a pair
" 5 ft. high..... 7.00 a pair
Grafted Baby Ramblers on Manetti; nice bushy plants in 3½ and 4-in. pots, ready for early forcing, $15.00 per 100.

ANTON SCHULTHEIS,
19th St. and 4th Ave., **College Point, L. I., N. Y.**

LUDVIG MOSBAEK

ONARGA, ILL.

Asparagus **Pl. Na.** and **Sprengeri,** 2, 2½, 3 and 4 in., $2.00, $2.50, $5.00 and $8.00 per 100.

Ferns **Boston, Piersoni** and **Anna Foster,** 2¼, 3 and 4 in., $3.00, $6.00 and $12.00 per 100; 6-in., $4.00; 8-in., $10.00; 10-in., $20.00 per doz. **Piersoni Elegantissima** and **Scottii,** fine runners, $40.00 per 1000; **Boston,** $20.00 per 1000.

150,000 Cannas in 35 var. List mailed

50,000 Hardy Perennials Field and pot grown.

Please mention the American Florist when writing.

FERNS. Extra Fine and Cheap.

FROM BENCH. Boston, 3-inch, 5c; 4-inch, 10c.; Tarrytown, 3-inch, 10c.; 4-inch, 15c; 6-inch, 25c; Tarrytown Runners fine stock, $1.50 per 100.

FLOWERING BEGONIAS, 8 kinds, 2-inch, 2½c.

REX BEGONIAS, 3-inch, 8c

GERANIUMS, 2-in., strong, 2c.

Rooted Cuttings, per 100 prepaid.

Fuchsia, 5 kinds, $1.25; **Salvia,** Bonfire, Spendens, 90c; **Vinca Var.,** 90c; **Dbl. Petunia,** 10 kinds, $1.00; **Heliotrope,** 3 kinds, $1.00; **Ageratum,** White, Pauline, Gurney, 60c; **Paris Daisy,** Giant White, Yellow, $1.00, Alexandra, $1.25; **Swainsona alba,** $1.00. Cash or C. O. D.

BYER BROS., Chambersburg, Pa.

Please mention the American Florist when writing.

WE ARE BOOKING ORDERS FOR

Nephrolepis Amerpohli

The Sensational New Fern.
Awarded Highest Certificate of Merit at the S. A. F. Convention, 1906.

JANESVILLE FLORAL CO., Janesville, Wis.

CARNATIONS.

WELL ROOTED CUTTINGS. HEALTHY STOCK.

PINK.	Per 100	1000
Lawson	$1.50	$10 00
Nelson	1.50	10.00
Nelson Fisher, cerise	2.00	17.50
LIGHT PINK.		
Enchantress	$2.00	$17.50
VARIEGATED.		
Mrs. Patten	$2 00	$17.50

WHITE.	Per 100	1000
Boston Market	$1 25	$10.00
Lady Bountiful	2.00	17.50
White Lawson	3 00	25.00
RED.		
Robert Craig	$6.00	$50.00
Cardinal	2.50	20.00
Estelle	2.00	17.50

ROSES.

STRONG AND WELL ROOTED CUTTINGS.

	Per 100	1000
Richmond	$1.50	$12 50
Liberty	2.00	17.50
Bridesmaid	1.50	12 50
Bride	1.50	12 50
Sunrise	3.00	25.00

	Per 100	1000
Uncle John	$1.50	$12 50
Chatenay	1.50	12.50
Ivory	1.50	12 50
Perle	2.00	17.50

PETER REINBERG,
51 Wabash Avenue, CHICAGO.

Roses! Dahlias! Cannas! Violets!

Miscellaneous Plants!

ROSES. We have in stock upwards of 1000 different varieties, consisting of the very latest European varieties as well as all the leading varieties of American origin. Stock from 2½, 4 and 5-inch pots, all on own roots. Ask for catalogue.

DAHLIAS. 25 leading varieties, all under name, guaranteed true, including the best sorts in cultivation, such as Admiral Dewey, Constancy, Gloriosa, Orange King, Prof. Baldwin, Maid of Kent, C. W. Bruton and Uncertainty. Field clumps as dug, **$5.00** per 100; **$45.00** per 1000. Catherine Duer, field clumps, **$8.00** per 100.

CANNAS. 40 leading varieties, **$10.00** per 1000 and upwards. Write for list and prices.

VIOLETS. Lady Hume Campbell, Princess of Wales, Swanley White, Admiral Avellan and Luxonne; nice strong plants, from 2½-inch pots, **$3.50** per 100; **$30.00** per 1000.

MISCELLANEOUS PLANTS.

Ampelopsis Veitchi, nice, strong, 2-year-old, field-grown plants, per 100, $6.00; per 1000, $55 00
Clematis Paniculata, 2-year-old, field-grown stock strong plants, per 100, 7.00; per 1000, 65.00
Cissus Discolor, nice plants, from 2½-inch pots.....per 100, $4 00
Cyperus Gracilis, from 2½-inch pots.....per 100, 3.50
Asparagus Sprengeri, from 2½-inch pots.....per 100, 4 00
Asparagus Plumosus, from 2½-inch pots.....per 100, 4.00
Weeping Lantana, from 2½-inch pots.....per 100, 3.50
Viburnum Plicatum, and a complete list of hardy shrubs, vines and miscellaneous plants of all kinds. Send us your list for prices. Ask for catalogue—it's free.

Address **THE DINGEE & CONARD CO.,** Rose Growers,
WEST GROVE, PA.
ESTABLISHED 1850. **70 GREENHOUSES.**

Queen Beatrice Rose.

Four to one shot. Four times as many flowers as Maid.

F. H. KRAMER, 916 F St., WASHINGTON, D. C.

Rooted Cuttings Per 100, prepaid: Ageratum, Gurney and Pauline, 60c; Salvia Bonfire, 75c; Coleus, asst., 60c; Vinca varieg., 90c, $7 50 per 1000. German Ivy, 60c. H. Pinks, Her Majesty, $1.00; Abbottsford 75c. Fuchsia, $1.00. Cash.

SHIPPENSBURG FLORAL CO., Shippensburg, Pa.

Advertisers send copy early for best service...

Saves Many Times
ITS PRICE.

$2.00

Postpaid to any address.

THE AMERICAN FLORIST COMPANY'S DIRECTORY saves many times its price to every one who catalogues or circularizes the trade. Fully revised to date of publication, it puts the mail only to live names, avoiding waste of postage and printed matter, time and labor.

Contains 476 pages, lists of Florists, Seedsmen and Nurserymen of the United States and Canada by states and towns, also alphabetically; firms that issue catalogues, foreign merchants, horticultural societies and much other up-to-date information which makes it a reference book of daily utility wherever a wholesale trade is done.

Published annually by the

American Florist Co.

324 Dearborn Street, CHICAGO.

Nashville.

FINE HOLIDAY TRADE.

Everyone was surprised and delighted at the volume of business during the holidays. Great preparations were made for the trade, and when it came on with a rush there was no lack of supply to meet the demand. There were azaleas, hyacinths, narcissi, Begonia Gloire de Lorraine, red and white, poinsettias, cut and in pots, and many other plants, all of which were readily taken. Prices were somewhat in advance of last year, but no one seemed to mind the advance, the plants were so attractive and beautiful. One of the features of the holiday trade was the beautiful double violets, handsomer than usual at this season and bringing a fancy price.

NOTES.

Geny Bros. had, on the morning of December 24, one of the most artistically arranged windows ever seen in this city, white lilies and starring masses of pink azaleas, the whole fringed with white hyacinths. Inside the store was an apparently inexhaustible supply of all the season's finest plants. By evening of the same day the window looked as if a cyclone had hit it and the shelving in the store was nearly stripped of its treasures. But the face of the genial proprietor glowed with satisfaction and he said: "The very best trade we have ever had." The weather was extremely cold and some fine potted plants were injured in delivery.

Joy & Son had a most gorgeous display, and the richest or the poorest could be supplied with a plant. Beautiful green baskets were artistically adorned with blooming poinsettias, many blossoms arranged together and bright ribbon on the handles. There was also a plentiful stock of roses and other cut flowers. American Beauty, Kaiserin, Golden Gate, Richmond and many other roses were sent out in handsome boxes. The firm changed its location on January 1, moving across the street from their present stand. Their new number is 601 Church street.

Miss Eda Birn reports a fine trade, mostly in cut flowers, though she had a nice supply of plants. She moved on January 1 to 107 Eight avenue, N.

M. C. D.

NEW YEAR'S GREETING

A Happy and Prosperous New Year to All.
—GEO. A. KUHL, Pekin, Ill.

After New Year's we get ready for Easter. We offer special:

Hydrangeas, 1 year old plants..$ .50 to $ .75 each
" 2 year old plants.. .75 to 1.25 each
" 3 year old plants.. 1.25 to 1.75 each
Azaleas.....50c, 75c and $1.00 each
These are fine plants for Easter blooming.

We now offer following young stock, clean, healthy:
Begonias, 8 to 10 var., 2½-in., $500; 3-in., $8.00; 4-in., $12.50
Heliotrope, 2½-in.....$5.00
Lantanas, 2½-in..... 3.50
Feverfew, 2½-in..... 5.00
Petunias, 2½-in..... 5.00
Salvia, 2½-in..... 3.50
Mme. Salleroi **Geraniums,** 2½-in..... 4.00
Red, White, Pink and Salmon **Geraniums,** 2½-in..... 3.50
SPECIAL.—We have a few hundred **Carnation Plants** in 4-in. A. pots, white and pink (Joost), that will make fine 5's for Easter.
Offer at.....$2.00 per doz.; $15.00 per 100
Cyclamen.....3-in., $8.00; 4 in., $20 00
Primroses { Chinese.....3-in., 8.00; 4-in., 12.50
Obconica.....3-in., 8.00; 4-in., 12.50
Baby.....3-in., 8.00; 4-in., 12.50
—Order quick.—

GEO. A. KUHL, Pekin, Ill.

POT GROWN STOCK FOR EASTER FORCING

	Per doz.	Per 100
AZALEA MOLLIS, 15-18 in. high, 20-30 buds	$ 4 50	$35 00
AUCUBA JAPONICA, variegated, bushy plants, 2 feet high	5 00	
DEUTZIA Gracilis, 6-in. pot grown, only kind to force	1 50	12 00
" Lemoine, pot grown, for forcing	2 50	20 00
LILACS, Chas. X, Marie Legraye and Souv. de Louis Spath, bushy, pot grown well set with buds	9 00	65 00
MAGNOLIA Halleana, 2 feet with buds	$1 50 each	15 00
Soulangeana, 4 feet with buds	1 75 each	18 00
RHODODENDRONS, all the best kinds and colors, in bushy, well shaped plants, and what is more important, every plant contains 10-15 well developed buds	1 25 each	12 00
HYBRID ROSES, all the best kinds, 2-year dormant		11 00
CRIMSON RAMBLER, extra select, 2 year-old, 3-4 feet canes		12 00
" " 3-year-old, 4-5 feet canes		15 00
FRAU KARL DRUSCHKE, the new white rose, strong 2-year-old, field-grown..	2 00	15 00
AM. BEAUTY, strong dormant 2-year old	2 00	15 00
KAISERIN AUG. VICTORIA, strong dormant 2-year-old	2 00	15 00
BABY RAMBLER, strong dormant 2-year old	3 00	25 00
" " " 1-year-old	2 00	15 00
LA FRANCE, strong dormant 2-year-old	2 00	15 00
GRUSS AN TEPLITZ, strong dormant 2-year-old	2 00	15 00

MANETTI STOCKS for grafting; extra fine quality; sure to please.
French stock.....$1 50 per 100; $12 00 per 1000; $50 00 per 5000; $ 80 00 per 10000
English stock..... 2 00 " 15 00 " 60 00 " 100 00 "

VAUGHAN'S SEED STORE, 84-86 Randolph St., CHICAGO
14 Barclay St., NEW YORK.
Greenhouses and Nurseries: Western Springs, Ill.

SURPLUS STOCK

In Excellent Condition.

NEW YEAR, the time of balls and parties, is now on the programme. What will you use to decorate the tables and homes of your customers with? Take my advice and use (for a change) an

Araucaria Compacta Robusta or A. E. Glauca

(the size and kind I grow). You will be surprised at the effect that it will make on the table or wherever it is placed. The plants I have are as perfect as nature could produce. The brush of an artist could not paint them any better, and prices are cheap. Just look:

6 to 7 in. pots, 4, 5 to 6 years old, 4, 5 to 6 tiers, 25 to 30 in. high and wide, $1.50, $1.75, $2.00 to $2.50 each.

EXCELSA GLAUCA, 5 years old, 7-in. pots, specimen plants, 6 to 7 tiers, 30 to 35 in. high and wide (you never saw anything better in your life than these are), $2.00, $2.50 to $3.00 each; 6-in. pots, 3 years old, 3, 4 to 5 tiers, 16 to 20 in. high and wide, $1.00 to $1.25 each.

ARAUCARIA EXCELSA, 6-in. pots, 5, 6 to 7 tiers, 4 years old, 25 to 30 in. high, $1.00, $1.25 to $1.50.

KENTIA FORSTERIANA, 7-in. pots, made-up plants, 1 large size, about 45 to 48 in. high in the center, and 3 smaller sizes, 25 x 30 in. high around, which gives them a good appearance, $2.00 to $2.50 each; 6-in. pots, single plants, 36 to 45 in. high, 5 to 6 good leaves, 4 years old, $1.25, $1.50 to $1.75 each; 6-in. pots, 32 to 36 in. high, 5 to 6 good leaves, 4 years old, $1.00 each; 5½ to 6 in. pots, 4 years old, 30 in. high, 5 good leaves, 4 years old, 75c.

DRACAENA BRUANTI, (imported), 30 in. high, full of green, waxy foliage from top to bottom; the only Dracaena for parlor, store or house culture, that can stand heat, dust and dirt; 6-in. pots, 50c, $5.00 per doz.

BOSTON FERNS, 7-in., very bushy, only 75c; 6-in., 50c or $5.00 per doz.; 5-in., 30c to 35c; 4-in., 20c

NEPHROLEPIS SCOTTII, 8-in., as big as a washtub, worth $3.00, now $1.50; 7-in., as big as a bushel basket, worth $1.50, now 75c to $1.00; 6-in., 50c; 5¼-in., 40c; 5-in., 30c to 35c; 4-in., 20c to 25c.

NEPHROLEPIS BARROWSII, 7 in. pots, as big as a bushel basket, 75c to $1.00 each; 6-in. pots, large, ready for 7-in., 50c; 5½-in., 40c; 5-in., 35c; 4-in., 25c.

MAIDENHAIR FERNS, 6-in. pots,, 40c.

AZALEAS, in bloom and bud, Simon Mardner, double pink; Vervæneana double rose variegated; Deutsche Perle, double white, 75c, $1.00, $1.25 to $1.50 each.

CASH WITH ORDER. All plants must travel on **purchaser's risk only.**

When ordering, say whether the plants should be shipped in the pots or not.

GODFREY ASCHMANN,
Importer and Wholesale Grower of Pot Plants.
1012 Ontario St., PHILADELPHIA, PA.

Always mention the American Florist when you order stock.

ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the

"Horticultural Advertiser"

This is the British Trade Paper, being read weekly by all the Horticultural traders; it is also taken by over 1000 of the best continental houses. Annual subscription to cover cost of postage 75c; Money orders payable at Lowdham, Notts.

Address **Editors of "H. A."**
Chilwell Nurseries, LOWDHAM, Notts, England
Please mention the American Florist when writing.

"VICTORY"

The best scarlet carnation ever introduced to the trade. It has given universal satisfaction everywhere. We have them in quantity; December 1, or later, delivery. **$6.00** per 100; **$50.00** per 1000.

JENSEN & DEKEMA,
674 W. Foster Ave., CHICAGO.
Please mention the American Florist when writing.

White Enchantress Carnation

White Sport of Enchantress.

ROOTED CUTTINGS—$12 per 100; $100 per 1000.

E. SCHRADER,
NEW SPRINGVILLE, Richmond Borough. New York
Please mention the American Florist when writing.

CHRYSANTHEMUM

STOCK PLANTS.

	Per doz.	100
Morton F. Plant (Totty's new pink)	$3 00	$20.00
Jeanne Nonin (best late white)	1.00	8.00

HENRY I. FAUST, Merion Station, Pa.

ORCHIDS

Now is the time to place your order for freshly imported Orchids delivered next spring. Our facilities for handling large consignments are second to none. Prices are very low, quality considered. Fine stock of established Orchids on hand.

CARILLO & BALDWIN, Secaucus, N. J.

AMERICAN FLORIST ADS	Always do business Week days and every day Sundays and holidays All over the country At home and abroad

Detroit.

HEAVY TRADE IN PLANTS.

Christmas trade was by common consent the best ever experienced here. The weather was favorable for deliveries, and at no time was the temperature so low as to require any extraordinary precautions for the safe handling of stock. A feature of the trade which was most beneficial to the retailers was the general tendency of customers making their selections during the whole of the previous week, the daily sales increasing in this line to the day before Christmas, when the height of the activity was reached. The growers had prepared a big stock of flowering plants consisting of begonias, cyclamens, poinsettias, azaleas, Jerusalem cherries, ardisias and peppers and the retailers pushed the sale of these to the extent of the most complete exhaustion of all such stock that had even fair merit. Boston ferns sold well, and araucarias and palms completed the list of the plant stock. The supply of roses was limited during the whole of the week, and Monday found the scarcity more pronounced than probably ever before in this city, and certainly the wholesale prices never before reached so high a figure. The retail prices however were not maintained in the same proportion and only the usual Christmas prices prevailed in most cases. Carnations were in fairly good supply but deep colors, so desirable at this time, were conspicuously scarce. Violets by the local growers were very scarce, but the eastern product was quite plentiful, no shortage being reported. Rhinebeck stock was utterly devoid of fragrance, but the immense size and splendid color of the flowers commended them to the public, and many thousands were disposed of. Paper White narcissi and Roman hyacinths met with meager demand and quite a surplus was noted. The retailers were well prepared with large assortments of combination plant baskets that are finding much favor with those seeking appropriate floral gifts. These were made up in great variety of shapes and sizes, and some quite elaborate effects were seen; flowering plants were mostly used, though many were made up with a combination of foliage plants, very tastefully trimmed with appropriate ribbons. New Year's trade failed to develop the anticipated spirited demand though a fairly good business was done and in a few cases an increase over the same day's trade a year ago was reported.

NOTES.

E. A. Fetters, 275 Woodward avenue, has sold his business to Murray Patterson, who will hereafter carry on the business there. Mr. Fetters will take a rest and will probably visit Europe in the spring.

Thos. and Geo. Browne, Greenfield, suffered the loss of their sister, Amelia G. Ford, who died December 29, and was buried New Year's day. The sympathy of the trade is extended.

The sympathy of the trade is given to Robt. Flowerday whose daughter, aged 14 years, died on Christmas day and was buried on Friday, many florists attending the funeral.

I. F. S.

REDDING, CONN.—The metal frame for the large greenhouse now being built for L. O. Peck is in position, John Gough being the contractor.

Grand Rapids, Mich.

GOOD HOLIDAY TRADE.

As near as can be ascertained the Christmas trade was fully one-fourth greater than that of 1905. There was a material increase in the demand for plants, particularly well grown specimens in bloom or berry. That plants are being used more and more is evident; the demand is increasing more rapidly than that for cut flowers. Prices were good in all lines, no over charging, but a good stable amount for Christmas flowers, with plenty to go around. Some firms could have supplied more orders for carnations were they desired but all other flowers were cleaned up in good shape. Considerable difficulty was experienced in delivering plants and flowers owing to the extreme cold. At 7 a. m. the thermometer registered four above zero, with a very cold north wind. In many cases the flowers were frozen so badly that it was found necessary to refill the orders. In the berried stock, holly went ahead of everything else but taking it as a whole every one is well satisfied.

NOTES.

Eli Cross reports his first Christmas in a down-town store as very satisfactory. He sold 25 cases of holly. Plants sold best and plenty of stock to go around. One of his new delivery wagons broke down early in the day, which hampered him for a short time.

Christmas trade out at Reed's Lake was good, everything moving along quietly. The Reed's Lake Floral Co. is busy shipping carnations and roses and propagating quite a fine lot of carnations.

The Grand Rapids Floral Co. says everything cleaned up. There were plenty of flowers to go around but the firm ran short on plants. Its trade is slowly increasing in all lines.

The Wealthy Avenue Floral Co. reports Christmas trade the best it ever had, with an increased demand in all lines. It has just come out with a fine new covered wagon.

Chas. Chadwick says it was the greatest Christmas he ever had; everything went; plenty to go around; a little short on carnations, but taking it as a whole he is well satisfied.

Jas. Schols is the violet king this season; his violets are certainly beautiful. California, Princess of Wales, M. Louise and Lady Hume Campbell are the varieties grown.

Crabb & Hunter says, "the best Christmas we ever had." There was an extra call for violets, with a good supply on hand. Plants seemed to go much better than usual.

C. A. Creelman, who has been with Chas. Chadwick for the past four years, has left for San Diego, Cal., taking his family with him. He will locate there.

George Hopp is still hopping and growing roses and violets. George does not say very much but saws wood; his stock is fine.

Miss Hartnett, in the Pythian temple, says all she could wish for, with an increased demand for poinsettias and berried plants.

Henry Smith says his trade was fully one-third larger than last year, azaleas, ferns, palms and berried plants leading.

Cunningham & Scott reports everything very satisfactory with trade about one-fourth above that of last year.

N. B.

Kansas City.

TRADE GOOD.

The market has fully revived the Christmas strain and stock is more plentiful than last noted. With but few exceptions, prices remain firm. At this time we are enjoying the best of growing weather with just enough snap in the atmosphere to make things pleasant. Generally speaking trade is good in every regard. Funeral work is plentiful. Entertainments, weddings, receptions and the like are much in evidence. The scarcity in violets is not so noticeable as of late. Dealers have learned that violets may be shipped successfully from the east, which has relieved the situation slightly. A good many fine ones were disposed of for the Christmas demand. Those grown in this locality, especially the singles, are fine. Other seasonable items are in full supply. A noticeable feature this season was the heavy call for green goods. Several stores had booked orders for after-Christmas entertainments which called for holly, wreathing, etc. Last week found the store men scurrying about for material to fill orders.

NOTES.

Edward Ellsworth, manager of Geo. M. Kellogg's, reports that the volume of Christmas business they transacted broke all previous records. Their roses were particularly fine, especially American Beauty, which was in good crop and of splendid color. Mr. Ellsworth has just resigned his position here, but we trust that he will stay with us. He has been associated with Mr. Kellogg for the past three years and during that time has gained a wide circle of friends, who would regret much to see him leave.

The State Horticultural Society, at its meeting December 28 in Topeka, elected the following officers: Edwin Taylor, Edwardsville, president; E. Snyder, Oskaloosa, vice president; E. H. Hoover, Wichita, treasurer; Walter Wellhouse, Topeka, secretary. There was a large atendance of horticulturists from all parts of the state and a fine exhibit was arranged in the corridors of the statehouse.

We are still watching for the appearance of the Rosary Conservatories. For the past six months a sign board at the corner of Armour boulevard and Main street has conveyed the probable establishment of conservatories at that place. However, the rosary does not seem to materialize with any degree of swiftness.

The windows of the Wm. Rock Flower Co. held a nice showing of plants and cut flower boxes for New Year's. Mr. Rock says that Christmas business was about all that could be handled with the present facilities. The showing of ardisias and poinsettias was creditable indeed, and met with a very good demand.

Samuel Murray, as usual, had an excellent lot of Begonia Gloire de Lorraine, poinsettias, and azaleas. He also sold many beautiful basket arrangements.

The Alpha Floral Co. reports a big business during the holidays. Its extensive new quarters were none too large to accommodate the increased Christmas trade.

K. C.

LOCKPORT, N. Y.—Charley Reakoff is hauling lumber for an addition to his greenhouses at Maple street.

FERNS, PALMS,

ARAUCARIA EXCEL.,

ASPIDISTRA,

Green and Variegated.

BAY TREES and PRIVET,

Fine, Strong Stock.

R. DREYER, WOODSIDE, L. I., N. Y.

Please mention the American Florist when writing.

ABUNDANCE

Rooted Cuttings of this Most Prolific White Carnation

Will be ready for delivery in January.

Price: $5.00 per 100; $40.00 per 1000.
250 at 1000 rate.
5 per cent discount for cash with order.

RUDOLPH FISCHER
Great Neck, L. I., N. Y.

MABELLE, New Pink Carnation for 1907.

Color—A peculiar shade of lovely pink, with a faint yellowish cast; several shades lighter than the Lawson Unlike most pinks, the brightest sun does not injure the color. Size—3 to 4 inches in diameter when established. Odor—Pleasing, but not strong. Stems—Invariably strong, but always graceful, ranging from 12 to 30 inches during the season. Habit, etc.—A very quick, active grower, making specimen plants in a short time, even from late cuttings On account of its rapid growth, requires supporting very soon after benching. Gets away rapidly, blooms early and gives long stems right from the start. Productiveness—Prodigious is the best word we know of to use here. It is the most incessant bloomer, early and late, we have ever grown. Stock limited. Delivery January 5 to 10 and later. Price, $12.00 per 100, $100.00 per 1000.

THE H. WEBER & SONS CO., Oakland, Md.

Please mention the American Florist when writing.

SCOTTII FERNS.

We still have a fine stock of this beautiful fern to offer. Fine big plants for 4-in. pots 10c; 5-in., 15c; 6-in., 25c. This is a fair sample of the many letters received daily: SAN ANTONIO, TEX.

W. W. Coles:—I was very much pleased with my shipment of ferns from you and their condition, so I send another order. F. C. SUCHEY.

Order quick. We need the room. Cash.

W. W. COLES, Kokomo, Ind.

ROOTED CUTTINGS

PELARGONIUMS, 15 var. named, $2.25 per 100.
BEGONIAS, $1.50 per 100.
VERBENAS, 60c per 100; $5.00 per 1000.
COLEUS, 70c per 100; $6.00 per 1000
HELIOTROPE, $1.00 per 100; $8.00 per 1000.
PETUNIAS, double, $1.25; $10.00 per 1000
AGERATUMS, 60c per 100; $5.00 per 1000.
SALVIAS, $1.00 per 100; $8.00 per 1000.
ALYSSUM, double, $1.00 per 100; $8.00 per 1000.

Express prepaid. Cash with orders. Write

S. D. BRANT, Clay Center, Kan.

Rooted Rose Cuttings.

Strong well-rooted cuttings. Bride, Maid, Golden Gate, Chetenay, $1.50 per 100; $12.50 per 1000. Richmond, $2.00 per 100; $18.00 per 1000.

Asparagus Plumosus, 2¼, $3.00; 3-in., $5.00. Sprengeri, 3-in., $4.00.

W. H. GULLETT & SONS, Lincoln, Ill.

Our New Illustrated Descriptive

GERANIUM

Catalogue is one of the most complete and handsomest that has ever been sent out; it contains descriptions of seventy-five of the best standard and newer sorts, and one hundred imported novelties from the best introducers in Europe. Sent free to the trade only, as we do strictly wholesale business. Please enclose business card.

R. Vincent, Jr. & Son, WHITE MARSH, MD.

PINK SPORT OF ENCHANTRESS

COLOR—Rose pink. **HABIT**—Identical with Enchantress.

PINK SPORT OF ENCHANTRESS will make a very desirable addition to your list of Carnations. Rooted Cuttings, per 100, $6.00. Rooted Cuttings, per 1000, $50.00. Send orders to

HOLTON & HUNKEL CO., Milwaukee, Wis.

Or to the Originator and Grower,

E. H. BLAMEUSER, Niles Center, Ill.

ROOTED CUTTINGS. Roses and Carnations.

ROSES.	Per 100	Per 1000
Bride	$1.50	$12.50
Bridesmaid	1.50	12.50
Chatenay	1.50	12.50
Richmond	1.50	12.50
Carnot	2.50	20.00
Kaiserin	2.50	20.00
Perle	2.50	20.00
American Beauty	3.00	25.00

CARNATIONS.	Per 100
Enchantress	$2.50
Bountiful	2.50
Wolcott	1.50
Lawson	1.50
Queen	1.50
Harlowarden	2.00

Our cuttings are all strong, healthy and well rooted. All cuttings shipped from Hinsdale.

BASSETT & WASHBURN,

Office: 76 Wabash Ave., Chicago. Greenhouses: Hinsdale, Ill.

Directory of Gardeners

—AND—

Estates Employing Gardeners

—IN THE—

UNITED STATES and CANADA.

Price $5, Cash With Order.

AMERICAN FLORIST CO. 324 DEARBORN ST., ... CHICAGO.

BEST ENGRAVINGS and ILLUSTRATIONS

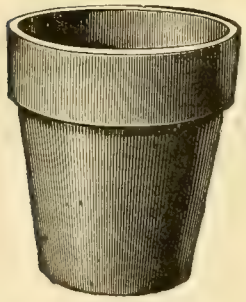
—Of Every Description—

FOR CATALOGUES.

SEE OUR WORK IN THIS PAPER. SEND FOR ESTIMATES.

GLOBE ENGRAVING and ELECTROTYPE CO.

407-427 Dearborn St., CHICAGO.



The Whilldin Pottery Co.

STANDARD FLOWER POTS

Our output of Flower Pots is larger than any concern in the World
Our Stock is always Large and Complete

Main Office and Factory,
713 WHARTON STREET, PHILADELPHIA
WAREHOUSES: JERSEY CITY, N. J. LONG ISLAND CITY, N. Y.

Clipper Lawn Mower Co. DIXON, ILL.

The Mower

that will **kill all the weeds in your Lawn.** If you keep the weeds cut so they do not go to seed and cut your grass without breaking the small feeders of roots, the grass will become thick and the weeds will disappear.

The Clipper will do it. Ask your dealer for them. If they have not got them, below is the price: No. 1—12-inch Mower, $5; No. 2—15-inch Mower, $6; No. 3—18-inch Mower, $7; No. 4—21-in. Mower, $8. Send draft money-order or reg. letter.

THE BEST Bug Killer and Bloom Saver.

For **PROOF** Write to

P. R. PALETHORPE COMPANY,
LOUISVILLE, KY.

Standard Flower Pots!

Packed in small crates, easy to handle.

	Price per crate		Price per crate
1500 2-in., in crate,	$4 88	120 7-in., in crate,	$4 20
1500 2¼ "	5.25	60 8 "	3.00
1500 2½ "	6.00	HAND MADE.	
1000 3 "	5.00	48 9-in., in crate,	$3.60
800 3½ "	5.80	48 10 "	4.80
500 4 "	4.50	24 11 "	3.60
320 5 "	4 51	24 12 "	4.80
144 6 "	3.16	12 14 "	4.80
		6 16 "	4.50

Seed pans, same price as pots. Send for price list Cylinders for Cut Flowers, Hanging Baskets, Lawn vases, etc. Ten per cent off for cash with order. Address
HILFINGER BROS. POTTERY, Fort Edward, N. Y
or AUGUST ROLKER & SONS, New York Agents,
31 Barclay Street, New York City.

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

THE KELLER POTTERY COMPANY,

Manufacturers of FLORISTS' RED STANDARD POTS.
Azalea Pots, Bulb and Fern Pans, Etc.
Write for Price List. 213-15-17-19-21-23 Pearl St., **NORRISTOWN, PA.**

Ionia Clay Gives Quality to the Ionia Pot.

Extreme strength and porosity are rarely found in the same flower pot. Some are hard and flinty, like stone, and without porosity: others are extremely porous, but without strength. **The IONIA POT is extremely strong and porous.** Breakage rarely occurs in shipping. Our word for it (backed by hundreds of florists) that you will be a permanent patron, if we may have your next order.

IONIA POTTERY COMPANY, Ionia, Mich.

TWIN CITY POTTERY MFG. CO.,

Successors to J. G. Swahn's Sons,
—MANUFACTURERS OF—
Garden Vases, Flower Pots, Hanging Baskets.
Let us figure on your needs.
Both telephones. **2406 Marshall Street, N. E., MINNEAPOLIS, MINN.**

GEO. KELLER & SON,

MANUFACTURERS OF
FLOWER POTS.
Before buying write for prices.
361-363 Herndon Street, near Wrightwood Ave.,
CHICAGO, ILL.

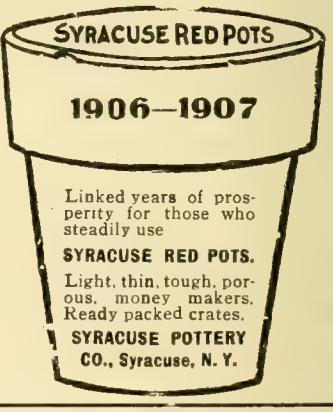
Kramer's Pot Hangers

For Sale by Wholesale Seedsmen, Florists and Supply Dealers.
Price, $1.00 per dozen by express. Sample dozen by mail, $1.25.

L. N. Kramer & Son, CEDAR RAPIDS, IOWA.

American Florist Ads

Always do business
Week days and every day
Sundays and holidays
All over the country
At home and abroad.



Those Red Pots

"STANDARDS"
FULL SIZE AND WIDE BOTTOMS, BULB PANS AND AZALEA POTS.
DETROIT FLOWER POT M'F'Y.
HARRY BALSLEY, Rep. DETROIT, MICH. 490 Howard St.

Red Standard Flower Pots

Price list and samples on application.

PADUCAH POTTERY CO., Inc.
PADUCAH, KENTUCKY.

L. BAUMANN & CO.,

Importers and Manufacturers of
Florists' Supplies
76-78 Wabash Ave., CHICAGO.
Write for our New Catalogue F. Our prices may interest you.

Tobacco Paper IS THE STRONGEST, BEST PACKED, EASIEST APPLIED.

24 sheets.....$ 0.75
144 sheets..... 3.50
288 sheets..... 6.50
1728 sheets..... 35.10

"NICO-FUME" LIQUID

Furnishes the Most Nicotine for the Money!

Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.

OVER 40% NICOTINE.

By far the **CHEAPEST.**

JUST NOTE PRICES!

Pint.....$ 1.50
½ Gallon..... 5.50
Gallon..... 10.50
5 Gallons..... 47.25

TRADE NOTICE.

BROOKLYN, N. Y., Dec. 15, 1906.

Owing to the advance in material of the manufacture in **Immortelle Letters**, I am forced to advance the price of letters on January 1, 1907, as follows, viz: 1½ and 2-in. letters, **$2.75** per 100; 2½-in. letters, **$3.00** per 100.

All other goods manufactured by me are not affected at this time.

Thanking you for past favors, and hoping for a continuation of the same, I remain,

Yours,

1164-66 Greene Ave. **W. C. KRICK.**

Please mention the American Florist when writing

NICHOLAS WAPLER,

50 Barclay St., NEW YORK,

Manufacturer and Importer

TERRA COTTA

Grass Growing Heads and Animals

in different sizes and designs.

FISH GLOBES, FISH TANKS, AQUARIA,

FRENCH GLASS SHADES, round, oval and square, for covering statues, flowers, clocks and all kinds of ornaments.

Write for catalogue and prices.

IMPORTED HYACINTH GLASSES, Tall and Tye's Shape; Assorted Colors.

GLASS

GOOD BRANDS.
QUICK SHIPMENTS.
LARGE STOCK.

Warehouse on railroad switch. **Be Sure and Get Our Prices.**

SHARP, PARTRIDGE & CO.,
22nd and Lumber Sts., CHICAGO.

Please mention the American Florist when writing.

The James H. Rice Co.

IMPORTERS and JOBBERS

GREENHOUSE GLASS

A SPECIALTY.

Window Glass, Paint, Putty, etc.

Office and Warehouse: Corner of Michigan, St. Clair and Illinois Streets, CHICAGO.

HASCO LIQUID NICOTINE

FOR SPRAYING AND VAPORIZING.

18% Stronger Than Any Made.

Pts., $1.35 Half Gal., $5.25. Gal. $10.00

THE H. A. STOOTHOFF CO., 116 West St., NEW YORK.

Carman's Antipest

INSECTICIDE AND FUNGICIDE

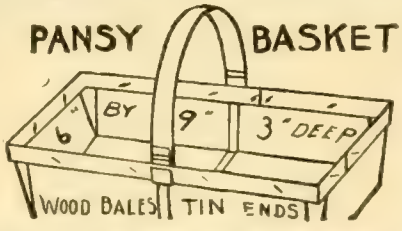
For the Garden, Orchard and Greenhouse.

Non-poisonous and harmless to vegetation.

Kills Green Fly, Aphides, Bark Lice, Thrip, Mealy Bug, Red Spider, Scale, Wire Worms, Ants and Slugs.

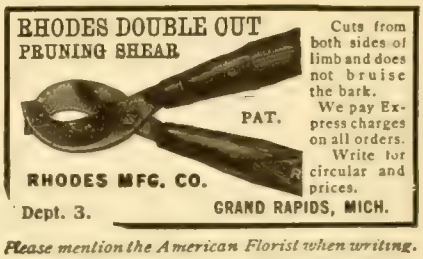
This is the Grower's Friend, handy to use, cheap and effective, mixes readily in water. Destroys all insect pests and keeps down filth. Circulars on application. **$1.50 per gallon.** Also in quarts, half gallons and in bulk.

PERFECTION CHEMICAL CO.,
FLUSHING, N. Y.



Six fit in bushel box to pack one upon another for shipping. Wood or wire handle; 100 samples, $1.10.

SEAVER BASKET CO., Medford, Mass.



Cuts from both sides of limb and does not bruise the bark. We pay Express charges on all orders. Write for circular and prices.

Please mention the American Florist when writing.

H. M. HOOKER CO.

Window Glass, Paints and Putty.
Greenhouse Glass a Specialty.

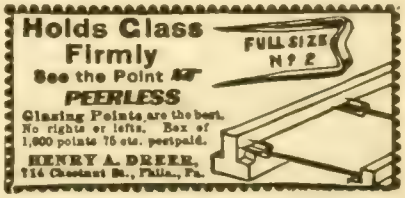
59 W. Randolph St., CHICAGO.

STENZEL GLASS CO.,

GREENHOUSE GLASS.

French and American "WHITE ROSE" Brand.

2 Hudson St., NEW YORK.



For Best Results Advertisers should mail new advertisement and changes so as to reach us on Mondays.

Index to Advertisers.

Adv rates.....1148
Advance Co The... III
Allen J K 1157
Aming E C.....1152
Anderson J F.....1149
AndorraNurseries..1165
Aschmann Godfrey.1171
Atlanta Floral Co..1159
Barrows Henry&Son 1155
Bassett &Washburn. 1152 1173
Baumann L & Co...1174
Beaven E A.....1151
Beckert W C.....1161
Bell & Bieberstedt.1161
Benthey-Coatsworth Co.....1152
Berckmans P J Co..1165
Berning H G. ... 1155
Bertermann Bros Co1158
Blackistone Z D....1159
Blameuser E H....1173
Bobbink & Atkins.1167
Boddington A T ...1161
Boland J B Co.....1159
Brant S D.....1173
Breitmeyer's J Sons1158
Bruns H N II
Budlong J A.....1152
Burpee W A & Co..1163
Byer Bros.....1169
Caldwell the Woodsman Co.....1151
Carillo & Baldwin..1171
Carlton H R.....1159
Carmody J D.....1184
ChicagoCarnationCo I
Chicago House Wrecking Co.....1184
Cleveland Cut Flo Co1159
Clipper Lawn Mower Co.....1174
Cockcroft Jas D....1168
Coles W. W.....1173
Conard & Jones Co.1169
Cooke Geo H.....1158
Cotsonas Geo & Co.1157
Cottage gardens....1165
Cowee W J.....1176
Craig Robert Co....1159
Cross Eli.....1151
Cunningham Jos H.1163
Daniels & Fisher...1158
Davis Bros 1155
Deamud J B Co....1153
Detroit Flo Pot Mfy..1174
Dietsch A Co..... III
Caskey & Diller Co.1184
Dillon J L.....1159
Dingee&Conard Co.1169
Donohoe W H.....1158
Dorner F & Sons Co I
Dreer H A.....1175
Dreyer R.....1173
Dunford J W..... 1159
Eberman C W.....1157
Edwards Fold'g Box.1174
Elliott Wm H.....1155
Emmans Geo M....1159
Eyers H G.....1159
Faust Henry J..... 1171
Fellouris A J 1157
Fischer R.....1173
Florists' Hail Ass'n..1176
Flower Growers Co.1152
Foley Mfg Co.....1184
Ford Bros.....1157
For Sale and Rent..1149
Froment H E 1157
Galvin Thos F.....1154
Garland Geo M..... III
Garnsey M V..... III
Giblin & Co..... IV
Globe Eng Co.....1193
Gude A & Bro.....1158
Gullett W H &Sons1173
Gundestrup K & Co II
Gurney Heater Co. IV
Guttman Alex J.....1157
Haines John E 1167
Hansen Mrs M A...1158
Harrington The H Co.....1159
Hartman Hjalmar.. II
Hauswirth P J.....1158
Heller & Co.....1163
Henshaw A M.....1157
Herbert D & Son.. 1151
Herr Albert M.....1151
Herrmann A.....1176
Hess & Swoboda...1158
Hews A H & Co....1174
Hilfinger Bros.....1174
Hill The E G Co.... I
Hippard E.....1176
Hitchings & Co... IV
Holm & Olson.....1158
Holton& Hunkel Co1155
Hooker H M Co....1175
Hort Advertiser 1171
Hort Trade Journal.1184
Hunt E H.....1152
Igoe Bros..... III
Ionia Pottery Co ...1174
Isbell S M & Co..... II
Jackson&Perkins Co 1165
Jacobs S & Sons.... III
Janesville Floral Co1169
Jensen & Dekema..1171
Johnston Heating Co1183
Journal Des Roses..1183
Kaempfer Fred....1183
Kasting W F..... I
Keller Geo & Son..1174
Keller J B & Sons..1159
Keller Pottery Co..1174
Kellogg Geo M.....1158
Kennicott Bros Co.1152
Ky Tob Prod Co ...1175
Kervan Co The.....1157
Kessler P.....1157
King Construction Co III
Klehm's Nursery ..1165
Kohr A F.....1182
Kramer F H.....1169
Kramer I N & Son .1174
Krick W C.....1175
Kroeschell Bros Co1184
Kuehn C A.....1155
Kuhl Geo A.....1171
Lager & Hurrell....1157
Lange A.....1158
Langjahr A H 1157
Lecakes N & Co....1157
Leedle Floral Co...1165
Lilly Chas H & Co 1161
Livingston Seed Co. 1158 1184
Lord & Burnham Co. IV
Matthews. Florist..1159
McCullough's J M Sons Co.....1155
McKellar Chas W..1152
McKissick W E....1155
May H B & Sons... II
Mayberry & Hoover1158
Mich Cut Flower Ex1151
Miller Theo.....1159
Mills the Florist....1158
Moninger J C Co.... III
Moon The Wm H Co1165
Moore Hentz&Nash1157
Morse C C & Co....1161
Morehead Mfg Co..1176
Mosbaek L.....1169
Murdoch J B & Co .1155
Murray Samuel.....1158
Myers & Co..... III
Natl Flo Bd of Trade1183
N Y Cut Flower Ex 1157
Niessen Leo Co 1155
Niuffer C M.....1165
Olbertz J.....1183
Pacific Seed Co..... II
Paducah Pottery ...1174
Palethorpe P R Co.1174
Palmer W J & Son.1158
Park Floral Co.....1158
Pennock Meehan Co1154
Perennial Gardens Co 1165
Perfection Chem Co1175
Peterson's Nursery.1165
Pieters A J seed Co1163
Pierson F R... ..I 1163
Pierson U Bar Co... III
Pittsburg Cut Flo Co1151
Pittsburg Florist Ex1155
Poehlmann Bros Co1152
Pollworth C C Co 1158
Quaker City Machine Works.....1183
Randall A L Co....1159
Rawson W W & Co. II
Raynor J I.....1157
Ready reference....1177
Regan Print House. III
Reinberg Peter1150 1169
Rhodes Mfg Co.....1175
Rice Bros.....1150
Rice James H Co...1175
Roehrs Julius Co....1157
Rising—Dunscomb Co.....1159
Riverside ghrs.....1163
Robinson H M & Co. 1151 1155
Sander & Son 1157
Satler L L Lumb'r Co1184
Scharff Bros.....1167
Scheiden & Schoos.1168
Scheepers John&Co1163
Scherer John P.....1157
Schillo Adam.....1176
Schrader E.....1171
Schultheis Anton...1169
Schulz Jacob.....1159
Seaver L T.....1175
Seligman Jno.....1157
Sharp Partridge&Co1175
Sheridan W F.....1157
Shippensburg Flo Co1169
Siebert Co..... III
Sinner Bros. 1152
Situations & Wants1149
Skidelsky S S.....1159
Smith Wm C.....1155
Smith Nathan &Son1161
Smith W & T Co.... I
Smits Jacs.....1165
Standard Pump & Engine Co..... IV
Stearns Lumber Co IV
Stenzel Glass Co...1175
Stokes Seed Store..1161
Stoothoff H A & Co1175
Storrs & Harrison Co1165
Styer J J..... II
Syracuse Pottery Co1174
Taylor F G Seed Co II
Texas Seed& Flo Co1161
Thompson J D Carnation Co..... I
Thorburn J M & Co II
Totty Chas H 1157
Tr'ndley&Schenck.1157
Twin City Pottery Mfg Co.....1174
VanHoutte Pere Sons 1167
Vaughan & Sperry..1152
Vaughan's Seed Store .....I II 1171
Vick's Sons Jas.....1163
Vincent R Jr & Son. 1161 1173
Virgin U J.....1158
Wanzer E F.....1168
Wapler Nicholas...1175
Ware Thos S.....1165
Weber F C.....1158
Weber H & Sons...1173
Weeber & Don..... II
Weiland & Risch...1152
Welch Bros.....1155
Whilldin Pot Co....1174
Wietor Bros...1151 1152
Wild Gilbert H.....1165
Wilson Andrew III
Wilson Robt G.....1158
WintersonE F Co...1152
WittboldGeo Co1151 1152
Wood Bros.....1159
Youngs 1159
Young A L & Co...1157
Young Thos.....1157
Zech & Mann.....1153

Wired Toothpicks

10,000. $1.50: 50,000. $6.25. Manufactured by

W. J. COWEE, BERLIN, N. Y.

mple free. For sale by dealers.

—THE—

Florists' Hail Association

Insures over 23,000,000 square feet of glass. for particulars address

JOHN G. ESLER, Sec'y, SADDLE RIVER, N. J.

A. HERRMANN,

Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florists' Supplies.

SEND FOR PRICES

404-412 East 34th St., NEW YORK.

MOREHEAD STEAM TRAPS

A remedy for steam heating troubles. A 30 days trial Free. Write us.

MOREHEAD MFG. CO.

1047 Grand River Avenue, DETROIT, MICH.

Please mention the American Florist when writing.

THE STANDARD

VENTILATING MACHINERY

The original machine with self-oiling cups. The most powerful, least complicated, very compact, with ease of operation.

The New Duplex Gutter

Over six miles in use and highly recommended by all. The only Drip Proof gutter on the market.

The Standard Return Steam Trap

It has no equals for simplicity or its working. Catalogue free.

E. HIPPARD, Youngstown, Ohio.

Please mention the American Florist when writing.

REED & KELLER,

122 W. 25th St., NEW YORK.

FLORISTS' SUPPLIES.

We manufacture all our

Metal Designs, Baskets, Wire Work & Novelties

and are dealers in Glassware, Pottery, Decorative Greens and all Florists' Requisites.

Please mention the American Florist when writing.

LUMBER for Greenhouse Benches, Ship Lap, Drop Siding, Sheathing, Flooring, White Cedar Posts, Etc.

We are in special position to furnish "PECKY CYPRESS" everything in PINE and HEMLOCK BUILDING LUMBER. WRITE FOR PRICES.

Adam Schillo Lumber Co. Cor. Weed and Hawthorn St., CHICAGO. Tel. North 1626 and 1627.

AMERICAN FLORIST ADVERTISING RATES.

Our advertising rates are 4s 2d per inch, single column width, £6 3s 3d per page of thirty inches, with discounts on consecutive insertions as follows:

6 insertions	5 per cent.	26 insertions	20 per cent.
13 insertions	10 per cent.	52 insertions	30 per cent.

Space on front pages and back cover page is sold only on yearly contract at 4s 2d per inch net. Remit by foreign postoffice money order.

ANZEIGERATEN DES AMERICAN FLORIST.

Unsere Anzeigeraten sind: für den Zoll der einzelnen Spalte, $1.00 (M. 4.17); für die Seite, 30 Zoll, $30 (M. 125). Bei mehrmaligen Einrückungen werden Diskontoraten gewährt, wie folgt:

6 Einrückungen	5%;	26 Einrückungen	20%;
13 Einrückungen	10%;	52 Einrückungen	30%.

Raum auf den vorderen Seiten und auf der Rückseite des Umschlages wird nur in Jahreskontrakten und zu $1.00 (M. 4.17) den Zoll netto abgegeben. Zahlungen sind mittels Postanweisung erbeten.

TAUX D'ANNONCES DANS L'AMERICAN FLORIST.

Nos taux d'annonces sont $1.00 (Frs. 5-15) par pouce, largeur simple colonne, $30.00 (Frs. 154-50) par page de trente pouces avec escomptes sur les insertions consécutives, comme suit:

6 insertions	5 pour cent.	26 insertions	20 pour cent.
13 insertions	10 pour cent.	52 insertions	30 pour cent.

La place occupée par des annonces sur la première et la dernière couverture ne s'accorde que par contrat annuel au taux de $1.00 (Frs. 5-15), net, par pouce. Faites remise par Mandat-poste international.

Ready Reference Advertising.

ADVERTISEMENTS IN THIS DEPARTMENT 10 CENTS PER LINE, CASH WITH ORDER. COPY MUST REACH US MONDAY OF THE WEEK IN WHICH IT IS TO APPEAR

ACERS.

Acer Nogundo variegated, pot-grown, $12 per doz. Acer polymorphum, pot-grown, $18 per doz. Bobbink & Aitkins, Rutherford, N. J.

AGERATUMS.

Ageratum, Gurney and Pauline, R. C., 60c per 100, prepaid. Shippensburg Floral Co., Shippensburg, Pa.

Ageratums, R. C., 60c per 100; $5 per 1,000. S. D. Brant, Clay Center, Kans.

Ageratums, leading vars., R. C., 60c. Byer Bros., Chambersburg, Pa.

ALMONDS.

Almonds, dbl. flowering, standard form, $12 per doz. Bobbink & Atkins, Rutherford, N. J.

ALYSSUM.

Alyssum, dbl., R. C., $1 per 100; $8 per 1,000. S. D. Brant, Clay Center, Kans.

AMYGDALUS.

Amygdalus Chinensis, pot-grown, $9 per doz. Bobbink & Atkins, Rutherford, N. J.

AMPELOPSIS.

Ampelopsis Veitchii, 2-yr., field-grown, $6 per 100; $55 per 1,000. Dingee & Conard Co., West Grove, Pa.

ARAUCARIAS.

Araucarias, 6 and 7-in., 4, 5 and 6 tiers, 25 to 30 ins. high, $1.50, $1.75, $2 and $2.50 each. Excelsa glauca, 7-in., specimens, 6 to 7 trs., 30 to 35 ins. high, $2, $2.50 and $3 each; 6-in., 3, 4 and 5 trs., 16 to 20 ins., $1 and $1.25 each. G. Aschmann, 1012 Ontario St., Philadelphia.

Araucaria excelsa, fine plants, 50c, 75c, $1, $1.50, $2, $2.50 and $3.50 each. Bobbink & Atkins, Rutherford, N. J.

Araucaria excelsa, 6-in., 3 to 4 tiers, $1 each; $12 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Araucaria excelsa, 16 to 18 ins., 4 to 5 tiers, 50c each; $5 per doz. The Conard & Jones Co., West Grove, Pa.

Araucaria excelsa. R. Dreyer, Woodside, L. I., N. Y.

Araucarias. L. Van Houtte Pere, Ghent, Belgium.

ASPARAGUS.

Asparagus plumosus nanus, 15,000 fine young plants from 2¼-in. pots, worth $3, to close out, $1.50 per 100; $15 per 1,000. The W. T. Buckley Co., Springfield, Ill.

Asparagus plumosus and Sprengeri, 2, 2½, 3 and 4-in., $2, $2.50, $5, $8 per 100. Ludvig Mosbaek, Onarga, Ill.

Asparagus plumosus, 2¼-in., $3; 3-in., $5. Sprengeri, 3-in., $4. W. H. Gullett & Sons, Lincoln, Ill.

Asparagus plumosus, 3-in., $5 per 100. Sprengeri, 3½-in., $6 per 100. Scharff Bros., Van Wert, O.

Asparagus plumosus, 3-in., $5 per 100. Sprengeri, 2½-in., $2.50 per 100. E. T. Wanzer, Wheaton, Ill.

Asparagus plumosus, 4-in., $10 per 100. H. Harrington Co., Vashon, Wash.

Asparagus Commorensis, 2-in., $4 per 100; 35 per 1,000. J. F. Wilcox, Council Bluffs, Iowa.

Asparagus Sprengeri, 2-in., $2.50 per 100; plumosus, 2-in., $3 per 100; 3-in., $5 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus Sprengeri, 2½-in., $3 per 100; $25 per 1,000; 3½-in., $5 per 100. J. W. Dunford, Clayton, Mo.

Asparagus Sprengeri and plumosus, 2½ in., $4 per 100. Dingee & Conard Co., West Grove, Pa.

ASPIDISTRAS.

Aspidistras, green and variegated, all sizes, $1, $2 and $3 each. Bobbink & Atkins, Rutherford, N. J.

AUCUBAS.

Aucuba Japonica, Var., 2 ft. high, $5 per doz. Vaughan's Seed Store, Chicago and New York.

AZALEAS.

Azaleas, Schryveriana, Niobe, Paul Weber, Prof. Wolters, Raphael Simon Mardner, Vervæneana, Louis de Kerchove, Mme. Van der Cruyssen, Deutsche Perle, Dr. Moore, Llewellyn, Mme. Cam Van Langenhove, Mme. Jos. Vervæne, Paul de Schryver, Memoire de l'Van Houtte, S. Rucker, 8 to 10 ins. diam., $3.50 per doz.; $25 per 100; 10 to 12 ins., $4.50 per doz.; $35 per 100; 12 to 15 ins., $6 per doz.; $45 per 100; 14 to 15 ins., $7.50 per doz.; $60 per 100; 15 to 16 ins., $9 per doz.; $75 per 100; 16 to 18 ins., $12 per doz.; $90 per 100; 18 to 20 ins., $25 per doz.; $200 per 100; 20 to 24 ins., $36 per doz.; $300 per 100. Azalea mollis, $4, $9, $12 per doz. Mollis chinensis, $12 per doz. Anthony Koster, $12 per doz. Rustica, $12 per doz. Mollis standard form, $12 per doz. Bobbink & Atkins, Rutherford, N. J.

Azalea indica, Mme. Van der Cruyssen, Prof. Walters, Empress of India, Helen Thielman, Simon Mardner, 12 to 14-in. crowns, $45 per 100; 14 to 16-in., $55 per 100; 16 to 18-in., $90 per 100. Azalea mollis, 12 to 15 ins. high, $25 per 100; 15 to 18 ins., $35 per 100. Storrs & Harrison Co., Painesville, O.

Azaleas, in bud and bloom, Simon Mardner, Vervæneana, Deutsche Perle, 75c, $1, $1.25 and $1.50 each. G. Aschmann, 1012 Ontario St., Philadelphia.

Azaleas. Cottage Gardens Co., Queens, L. I. N. Y.

Azaleas. L. Van Houtte Pere, Ghent, Belgium.

Azaleas. Jacs Smith, Ltd., Naarden, Holland.

BAY TREES.

Bay trees, fine stock. R. Dreyer, Woodside, L. I., N. Y.

Bay trees, all sizes. Bobbink & Atkins, Rutherford, N. J.

Bay Trees. L. Van Houtte Pere, Ghent, Belgium.

BEGONIAS.

Rex begonias, asst., R. C., $1.25 per 100 prepaid. Shippensburg Floral Co., Shippensburg, Pa.

Begonia Rex, 2 and 2½-in., $5 per 100. Geo. M. Emmans, Newton, N. J.

Begonias, R. C., $1.50 per 100. S. D. Brant, Clay Center, Kans.

Rex begonias, 3-in., 8c. Byer Bros., Chambersburg, Pa.

Begonias. Thos. S. Ware, Ltd., Feltham, England.

Begonias. L. Van Houtte Pere, Ghent, Belgium.

BOXWOOD.

Boxwood, pyramidal, 2 ft., 75c each; 2½ ft., $1; 3 ft., $1.50; 3½ ft., $2; 4 ft., $3; 4½ ft., $4; 5 ft., $5; 6 ft., $6. Bush boxwood, 25c, 35c, 50c. Bobbink & Atkins, Rutherford, N. J.

Boxwood, 12 to 20 ins., 75c per pair; 24 ins., $1 per pair. Pyramids, 3 ft., $2.50 to $3 per pair; 4 ft., $3 to $4; 4 ft. 6 ins., $5; 5 ft., $7. A. Schultheis, College Point, N. Y.

BULBS, ROOTS, TUBERS.

Bulbs, Dutch hyacinths, about $2 per 100; Baron Von Thuyll, Czar Peter, Mme. Van der Hoop, Chas. Dickens, Grand Maitre. Single hyacinths, separate colors, $2.75 per 100; White and blush rose. Double hyacinths, sep. colors, $2.75 per 100; rose, pure white, white and blush. Narcissus, Incomparable, Orange Phoenix, Empress, Grand Primo, Soleil d'Or, Ard Righ. Tulips, from 1,500 to 3,000 of each. Mon. Tresor, Thos. Moore, Rose Gris de Lin, Vaughan's New Pink, Rosa Mundi, Crimson King, Princess Marie Ann, Pottebakker, Belle Alliance, Proserpine, Dusart, gold striped and scarlet; Rembrandt, Gold Finch, single late mixed; double named; Murillo, Tournesol, red and yellow, Crown d'Or, Imperator Rubrorum, Rosine, Rose Blanche, dbl. early extra mixed, dbl early fine mixed, dbl. extra late mixed. Vaughan's Seed Store, Chicago and New York.

Bulbs, Gladiolus Colvilli, Alba The Bride, 75c per 100; $6 per 1,000; rubra, 60c per 100; $5 per 1,000. Miniature hyacinths, named vars., $2 per 100; $16 per 1,000. Narcissus, dbl. Von Sion, $1.50 per 100; $12 per 1,000. Princeps, 75c per 100; $6.50 per 1,000. Single Von Sion, $1.25 per 100; $10 per 1,000. Tulips, Cottage Maid, $1 per 100; $8 per 1,000. Keizerskroon, $1.75 per 100; $15 per 1,000. Lily of the valley, Pierson's Premier, $1.50 per 100; $13 per 1,000; case of 2,000, $24. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Bulbs, L. Longiflorum, 6 to 8 ins., $3 per 100; $27 per 1,000; 7 to 9 ins., $5 per 100; $45 per 1,000; Multiflorum, 6 to 2 ins., $3 per 100; $28 per 1,000; 7 to 9 ins., $5.50 per 100; $50 per 1,000. Lily of the valley pips. J. M. Thorburn & Co., 33 Barclay St., New York.

Sparaxis, $3.50 per 1,000. Ixias, mix., $2.50 per 1,000. Oxalis (Bermuda buttercup) $6 per 1,000. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Bulbs, Narcissus Empress and Henry Irving, Candidum lilies. E. F. Winterson Co., 45 Wabash Ave., Chicago.

Bulbs, gladiolus, mixed, 60c per 100; $5 per 1,000. Geo. M. Emmans, Newton, N. J.

Bulbs of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Bulbs of all kinds, valley. John Scheepers & Co., New York.

Cannas, 40 leading vars., $10 per 1,000 and upwards. Dingee & Conard Co., West Grove, Pa.

Cannas, 300,000 roots of 50 best vars. Conard & Jones Co., West Grove, Pa.

Cannas, 10 varieties, $2.50 per 100. Jos. Cunningham, Delaware, O.

150,000 cannas, 35 leading varieties. Ludvig Mosbaek, Onarga, Ill.

Cannas. Thos. S. Ware, Ltd., Feltham, England.

Lily of the valley, Berlin and Hamburg pips, $14 per 1,000. Convallaria polygonatum, giant valley, $1.50 per doz.; $12 per 100. Gladiolus Colvilli rubra, $6.50 per 1,000. Amaryllis, new hybrid, $6 per doz. Bobbink & Atkins, Rutherford, N. J.

Lily of the valley, pips for forcing, $1.50 per 100; $14 per 1,000. H. N. Bruns, 1409 W. Madison St., Chicago.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

CARNATIONS.

Carnation cuttings, Enchantress, $2 per 100; $20 per 1,000. Crusader, $1.75 per 100; $12.50 per 1,000. Boston Market, Mrs. T. Lawson, Mrs. Nelson, $1.50 per 100; $12 per 1,000. Variegated Lawson, $4 per 100; $35 per 1,000. Candace, $5 per 100; $40 per 1,000. Scheiden & Schoos, 60 Wabash Ave., Chicago.

If you do not find what you need in our Ready Reference Department, write us about it.

Carnations, rooted cuttings, Victory and Robt. Craig, $6 per 100; $50 per 1,000. Red Sport, $3.50 per 100; $30 per 1,000. Enchantress, $2.50 per 100; $20 per 1,000. Lawson, $2 per 100; $15 per 1,000. Mrs. M. A. Patten, $2.50 per 100; $20 per 1,000. Lieut. Peary, $3.50 per 0, $30 per 1,000. Lady Bountiful, $3 per 100; $25 per 1,000. White Lawson, $3 per 100; $25 per 1,000. Boston Market and Queen, $2 per 100; $15 per 1,000. Q. Louise, $2 per 100; $12.50 per 1,000. J. C. Cockcroft, Northport, L. I., N. Y.

Carnations, rooted cuttings, Lawson, Nelson, $1.50 per 100; $10 per 1,000. Nelson Fisher, Enchantress, $2 per 100; $17.50 per 1,000. Mrs. Patten, $2 per 100; $17.50 per 1,000. Boston Market, $1.25 per 100; $10 per 1,000. Lady Bountiful, $2 per 100; $17.50 per 1,000. White Lawson, $3 per 100; $25 per 1,000. Robert Craig, $6 per 100; $50 per 1,000. Cardinal, $2.50 per 100; $20 per 1,000. Estelle, $2 per 100; $17.50 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

Carnation cuttings, Mrs. Lawson, $1.50 per 100; $12 per 1000. Lady Bountiful, $2.50 per 100; $20 per 1000. Cardinal, $3 per 100; $25 per 1000. White Lawson, President, Lieut. Peary, $2.50 per 100; $20 per 1000. White Perfection Victory. Robt. Craig, Ellen Goddard, $6 per 100; $50 per 1000. Estelle, Morning Glory, $2 per 100; $15 per 1000. Enchantress, $2 per 100; $18 per 1000. Glazonier, $1.75 per 100; $14 per 1000. Eli Cross, Grand Rapids, Mich.

Carnations, Beacon, cuttings, $12 per 100; $100 per 1000. Rose Pink Enchantress, $7 per 100; $60 per 1000. Red Chief, Winsor, Bonnie Maid, $12 per 100; $100 per 1000. Aristocrat, $12 per 100; $100 per 1000. White Perfection, Candace, Melody, Victory, Robt. Craig, $6 per 100; $50 per 1000. Vaughan's Seed Store, Chicago and New York.

Carnations, rooted cuttings, Victory, $6 per 100; $50 per 1,000. Enchantress, $2 per 100; $18 per 1,000. W. Lawson, L. Bountiful, $3 per 100; $25 per 1,000. B. Market, P. Lawson, $1.50 per 100; $12.50 per 1,000. Nelson, $2 per 100; $15 per 1,000. E. T. Wanzer, Wheaton, Ill.

Carnations, rooted cuttings, Lady Bountiful, $2.50 per 100; $20 per 1,000. Enchantress, $2 per 100; $18 per 1,000. B. Market and Lawson, $1.50 per 100; $12.50 per 1,000. Q. Louise, $1 per 100; $9 per 1,000. J. W. Dunford, Clayton, Mo.

Carnations, rooted cuttings. Red Chief, Bonnie Maid, Aristocrat, $12 per 100; $100 per 1,000. Rose Pink Enchantress, $7 per 100; $60 per 1,000; White Perfection, $6 per 100; $50 per 1,000. F. Dorner & Sons Co., La Fayette, Ind.

Carnations, rooted cuttings, guaranteed, Enchantress, $2 per 100; $18 per 1000. Bountiful, $2 per 100; $18 per 1000. Estelle, $1.80 per 100; $15 per 1000. Cash with order. Blanksma Bros., Grand Rapids, Mich.

Carnations, rooted cuttings, Enchantress, Bountiful, $2.50 per 100. Wolcott, Lawson, Queen, $1.50 per 100. Harlowarden, $2 per 100. Bassett & Washburn, 76 Wabash Ave., Chicago.

Carnations, rooted cuttings, Lawson, Boston Market, Sports, $1.25 per 100; $10 per 1,000. Enchantress, $2 per 100; $15 per 1,000. W. F. Dunteman, Bensenville, Ill.

Carnations, Rose Pink Enchantress, rooted cuttings, $7 per 100; $60 per 1,000. S. S. Skidelsky, 824 No. 24th St., Philadelphia.

Carnations, Aristocrat, Rose Pink Enchantress, White Perfection and other leading varieties. E. G. Hill Co., Richmond, Ind.

Carnations, White Enchantress, rooted cuttings, $12 per 100; $100 per 1,000. E. Schrader, New Springville, New York.

Carnations, Pink sport of Enchantress, rooted cuttings, $6 per 100; $50 per 1,000. Holton & Hunkel, Milwaukee, Wis.

Carnations, Winsor and Aristocrat, $12 per 100; $100 per 1,000. Wm. F. Kasting, 383 Ellicott St., Buffalo, N. Y.

Carnations, rooted cuttings, best leading varieties, $1 per 1,000. Napoleon Lemay, New Bedford, Mass.

Carnation Victory, rooted cuttings, $6 per 100; $50 per 1,000. Guttman & Weber, 43 W. 28th St., New York.

Carnation Abundance, rooted cuttings, $5 per 100; $40 per 1,000. R. Fischer, Great Neck, L. I.

Carnation John E. Haines, rooted cuttings, $6 per 100; $50 per 1,000. John E. Haines, Bethlehem, Pa.

Carnation Victory, $6 per 100; $50 per 1,000. Jensen & Dekema, 674 W. Foster Ave., Chicago.

Carnation Mabelle, new, $12 per 100; $100 per 1,000. H. Weber & Sons Co., Oakland, Md.

Carnations, leading varieties, rooted cuttings. Chicago Carnation Co., Joliet, Ill.

Carnations for fall delivery. Wood Bros., Fishkill, N. Y.

Carnations. J. D. Thompson Carnation Co., Joliet, Ill.

Carnations, leading varieties. A. M. Herr, Lancaster, Pa.

CERASUS.

Cerasus Avium, $9 per doz. Bobbink & Atkins, Rutherford, N. J.

CHIONANTHUS.

Chionanthus Virginica, pot grown, $9 per doz. Bobbink & Atkins, Rutherford, N. J.

CHRYSANTHEMUMS.

Chrysanthemums, stock plants of the following varieties at $4 per 1000: Kalb, Glory of Pacific, Polly Rose, Pink Ivory, White Ivory, Wm. Duckham, Maud Dean, Marie Liger, Dr. Enguehard, A. J. Balfour, Alice Byron, R. Halliday. W. H. & C. B. Newman, Akron, N. Y.

Chrysanthemums, stock plants, Mrs. Duckham, Col. Appleton, Cheltoni, F. A. Cobbold, F. S. Valis, Wm. Duckham, Nellie Pockett, Merza, Henry Robinson, etc., $10 per 100. C. Peterson, 307 Lincoln, St., Flushing, N. Y.

Chrysanthemums, stock plants, Willowbrook, Kalb, Estelle, Wanamaker, Ivory, Robinson, Appleton, Bonnaffon, Halliday, Coombes, McNeice, Enguehard, 60c per doz.; $4 per 100. E. T. Wanzer, Wheaton, Ill.

Chrysanthemums, old stools, Polly Rose, Appleton, Duckham in exchange for Begonia Gloire de Lorraine, or heap offer. Riverbank Greenhouses, Geneva, Ill.

Chrysanthemums, stock plants, M. F. Plant, $3 per doz.; $20 per 100. J. Nonin, $1 per doz.; $8 per 100. Henry I. Faust, Merion Station, Pa.

Stock plants of the Ceramic chrysanthemum, new cream color, now ready, 20c each; $2 per doz. Chas. Peterson, East Liverpool, Ohio.

Chrysanthemum October Frost. Orders taken for rooted cuttings, $6 per 100; 2½-in. pots, $8 per 100. A. C. Canfield, Springfield, Ill.

Chrysanthemums, best sorts, Golden Dome, White Duckham, Pres. Loubet, Mlle. Chabanne. E. G. Hill Co., Richmond, Ind.

Chrysanthemum stock plants, Jeanne Nonin, finest late white, $1 per doz.; $7 per 100. H. E. Hyde, Huntington, L. I., N. Y.

Chrysanthemums, Garza, Diana, Gallis, Daisy. Sheiden & Schoos, 60 Wabash Ave., Chicago.

Chrysanthemums, Smith's Revised Manual, 40c. Nathan Smith & Son, Adrian, Mich.

Chrysanthemums. Wood Bros., Fishkill, N. Y.

CLEMATIS.

Clematis Pan., 2-yr., field-grown, $7 per 100; $65 per 1,000. Dingee & Conard Co., West Grove, Pa.

COBOEA.

Cobœa Scandens, 4-in., $8 per 100. Godfrey Aschmann, 1012 Ontario St., Philadelphia, Pa.

COLEUS.

Coleus, asst. R. C., 60c per 100, prepaid. Shippensburg Floral Co., Shippensburg, Pa.

Coleus, R. C., 70c per 100; $6 per 1,000. S. D. Brant, Clay Center, Kans.

CRATAEGUS.

Crataegus, Paul's Scarlet, pot-grown, $15 to $20 per doz. Also dbl. white, same price. Bobbink & Atkins, Rutherford, N. J.

CYCLAMENS.

Cyclamen plants, grand strain, 5-in., showing bud, $35 per 100. Riverbank Greenhouses, Geneva, Ill.

CYDONIAS.

Cydonia Japonica, $9 per doz. Bobbink & Atkins, Rutherford, N. J.

CYPERUS.

Cyperus gracilis, 2½-in. pots, $3.50 per 100. Dingee & Conard Co., West Grove, Pa.

CYTISUS.

Cytisus laburnum, pot-grown, $12 per doz. Bobbink & Atkins, Rutherford, N. J.

DAHLIAS.

Dahlias, 25 leading vars, named, Admiral Dewey, Constancy, Gloriosa, Orange King, Prof. Baldwin, Maid of Kent, C. W. Bruton, Uncertainty, field clumps, $5 per 100; $45 per 1,000. Catherine Duer, $8 per 100. Dingee & Conard Co., West Grove, Pa.

Dahlias, improved Countess of Lonsdale, cactus type, 6 for $1; $1.75 per doz.; $12 per 100. Arthur T. Boddington, 342 W. 14th St., New York.

Dahlias. Thos. S. Ware, Ltd., Feltham, England.

DAISIES.

Paris daisies, R. C., giant white, yellow, $1; Alexandria, $1.25. Byer Bros., Chambersburg, Pa.

DAPHNES.

Daphne cneorum, $6 per doz. Bobbink & Atkins, Rutherford. N. J.

DIELYTRAS.

Dielytra spectabilis, large clumps, $6 per 100. Bobbink & Atkins, Rutherford, N. J.

DEUTZIAS.

Deutzia gracilis, 6-in., $1.50 per doz.; $12 per 100. Lemoine, 6-in., $2.50 per doz.; $20 per 100. Vaughan's Seed Store, Chicago and New York.

Deutzia gracilis, $12 per 100. Bobbink & Atkins, Rutherford, N. J.

DRACAENAS.

Dracæna Bruanti, 30-in., 6-in. pots, 50c each; $5 per doz. G. Aschmann, 1012 Ontario St., Philadelphia.

Dracæna indivisa, 4 and 5 ins., $10 and $25 per 100. Geo. M. Emmans, Newton, N. J.

Dracæna indivisa, 5-in., $15 per 100. H. Harrington Co., Vashon, Wash.

FERNS.

Ferns, Barrowsii, 7-in., 75c to $1 each; 6-in., 50c; 5½-in., 40c; 5-in., 35c; 4-in., 25c. Scottii, 8-in., $1.25; 7-in., 75c; 6-in., 50c; 5½-in., 40c; 4-in., 20c. Boston, 7-in., 75c; 6-in., 50c; $5 per doz.; 5-in., 30c to 35c; 4-in., 20c. Maidenhair, 6-in., 40c. G. Aschmann, 1012 Ontario St., Philadelphia.

Ferns, Pteris magnifica, Pteris serrulata cristata, Pteris alb. lineata, Pteris Wimsetti, Pteris Ouvrardi, $3 per 100; $25 per 1,000. Boston, Scottii and Piersoni, 3-in., $8; 4-in., $15; 5-in., $25; 6-in., $40 per 100. J. F. Wilcox, Council Bluffs, Iowa.

Ferns, N. Piersoni, Elegantissima, 2¼-in. pots, $12 per 100; specimen plants, 6-in., $1 each; 8-in., $2; 10-in., $3; 12-in., $5; 14-in., $7.50; 16-in., $10. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns, Boston, from bench, for 4 and 5-in., $10 and $15 per 100. J. W. Dunford, Clayton, Mo.

If you do not find what you need in our Ready Reference Department, write us about it.

Ferns, Boston, Piersoni, Anna Foster, 2¼, 3 and 4-in., $3, $6 and $12 per 100; 6-in., $4; 8-in., $10; 10-in., $20 per doz. Elegantissima and Scottii, runners, $40 per 1,000. Boston, $20 per 1,000. Ludvig Mosbaek, Onarga, Ill.

Ferns, Boston, 4-in., 10c; 3-in., 5c; Tarrytown, 3-in., 10c; 4-in., 15c; 6-in., 25c; runners, $1.50 per 100. Byer Bros., Chambersburg, Pa.

Ferns, N. Whitmani, 2¼-in., $25 per 100. Boston, 2¼-in., $3 per 100. H. H. Barrows & Sons, Whitman, Mass.

Ferns, N. Whitmani, young plants from bench, $6 per 100. Davis Bros., Morrison, Ill.

Ferns, orders booked now for N. Amerpohli, Janesville Floral Co., Janesville, Wis.

Ferns, Boston, 5-in., 30c each. Piersoni, 6-in., 50c each. Geo. M. Emmans, Newton, N. J.

Ferns, Scottii, 4-in., 10c; 5-in., 15c; 6-in., 25c. W. W. Coles, Kokomo, Ind.

Ferns, all varieties. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Ferns, all leading varieties, R. Dreyer, Woodside, L. I., N. Y.

FUCHSIAS.

Fuchsias, 5 kinds, $1.25, R. C., Byer Bros., Chambersburg, Pa.

Fuchsias, $1. Shippensburg Floral Co., Shippensburg, Pa.

GERANIUMS.

Geraniums, the following, "Six Kings"; S. A. Nutt, deep scarlet; A. H. Trego, scarlet; Peter Henderson, bright scarlet; Beaute Poitevine, salmon; Jean Viaud, pink; Mme. Buchner, white; all semi-double, strong top cuttings, well rooted, $1.75 per 100; $16 per 1,000. Cash. The W. T. Buckley Co., Springfield, Ill.

Geraniums, Nutt, J. Doyle, Perkins, Dbl. Gen. Grant, La Favorite, 2-in., $2; R. C., $1 per 100. Geo. M. Emmans, Newton, N. J.

Geraniums, 10 varieties, my selection, 2 and 2½-in., $3 per 100. Jos. Cunningham, Delaware, O.

Geraniums, leading varieties. R. Vincent, Jr., & Son, White Marsh, Md.

Geraniums, 2-in., 2c. Byer Bros., Chambersburg, Pa.

Geraniums, leading vars. A. M. Herr, Lancaster, Pa.

GLOXINIAS.

Gloxinias. L. Van Houtte Pere, Ghent, Belgium.

Gloxinias. L. Van Houtte Pere, Ghent, Belgium.

GREENS.

Greens, fancy and dagger ferns, $1.50 per 1,000. Galax, green and bronze, $1 per 1,000; $7.50 per 10,000 case. Southern wild smilax, $3.50 and $7 per case. Laurel festooning, 5c and 6c per yard. Branch laurel, 50c per bundle. Leucothoe sprays, $1 per 100. Sphagnum moss, 50c per bag; 5 bags, $2. Green moss, $1 per bbl. Henry M. Robinson & Co., 15 Province St., Boston, Mass.

Greens, wild smilax, $2.50 per case. Long needle pines, $1 per doz. Palm leaves, $2.50 per doz. Palmetto leaves, $2.50 per doz. Magnolia, $2.50 per case. Sheet moss, $2 per sack. Grey moss, $2 per sack. Galax, $1 per 1,000. Caldwell The Woodsman Decorating Co., Evergreen, Ala.

Greens, galax leaves, ferns and leucothoe sprays, holly. Princess pine, all kinds of evergreens. Galax leaves, $1 per 1,000. N. Lecakes & Co., 53 W. 28th St., New York.

Greens, fancy ferns, $1.50 per 1,000. Green and bronze galax, $1.25 per 1,000. Boxwood, 20c per lb., 50 lb., $8.50. Michigan Cut Flower Exchange, Detroit, Mich.

Greens, cut palmetto and cycas palm leaves, galax, leucothoe, ferns, mosses and all decorating evergreens. The Kervan Co., 20 W. 27th St., New York.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 52 W. 28th St., New York.

Greens, evergreens, galax, ferns, decorative supplies, moss. John P. Scherer, 636 Garden St., Union Hill, N. J.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. A. J. Fellouris, 52 W. 28th St., New York.

Greens, Beaven's fadeless sheet moss, $3.50 per bag. Southern wild smilax. E. A. Beaven, Evergreen, Ala.

HARDY PERENNIALS.

Iris Germanica, Mme. Chereau, Gracchus, Florentine, Socrates, Duchess de Nemours, Dr. Bernice and 20 others, $2.50 per 100; $22.50 per 1,000. Hemerocallis in 10 vars., $3.75 per 100; $30 per 1,000. Delphinium Belladonna, 1 yr., plants, $6.25 per 100; $57.50 per 1,000; 3 yr., clump, $8.75 per 100; $75 per 1,000. Chrysanthemum maximum King Edward, largest white Marguerite, strong from ground, $8.75 per 100. Lathyrus latifolius White Pearl, from ground, $12.50 per 100. Thos. S. Ware, Ltd., Feltham, England.

Dielytra spectabilis, strong clumps, $8 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Hardy, perennial herbaceous plants, 50,000 field and pot grown. Ludvig Mosbaek, Onarga, Ill.

Hardy pink, Her Majesty, $1; Abbottsford, 75c. Shippensburg Floral Co., Shippensburg, Pa.

HELIOTROPE.

Heliotrope, R. C., $1 per 100; $8 per 1,000. S. D. Brant, Clay Center, Kans.

Heliotrope, 3 kinds, R. C., $1. Byer Bros., Chambersburg, Pa.

HIBISCUS.

Hibiscus Syriacus Meehani. P. J. Berckmans Co., Inc., Augusta, Ga.

HOLLYHOCKS.

Hollyhocks, separate colors, $7.50. Perennial Gardens Co., Toledo, O.

IVY.

Ivy, German, 60c. Shippensburg Floral Co., Shippensburg, Pa.

JERUSALEM CHERRIES.

Jerusalem cherries, 12-in., pans, 7 plants to pan, 75c each; 3½-in., $6 per 100. J. W. Dunford, Clayton, Mo.

KALMIAS,

Kalmia latifolia, fine budded plants, $12 and $18 per doz. Bobbink & Atkins, Rutherford, N. J.

LANTANAS.

Weeping lantana, 2½-in., $3.50 per 100. Dingee & Conard Co., West Grove, Pa.

LILACS.

Lilacs, Charles X, Marie Legraye and Mme. Lemoine, $9 per doz. Bobbink & Atkins, Rutherford, N. J.

MANETTI STOCKS.

Manetti stocks, French, $1.50 per 100; $12 per 1000; $50 per 5000; $80 per 10,000. English, $2 per 100; $15 per 1000; $60 per 5000; $100 per 10,000. Vaughan's Seed Store, Chicago and New York.

Manetti stocks, grafting size, 3-5 mm., $7 per 1,000; $65 per 10,000; 1st size, 5-10 mm., $9 per 1,000; $80 per 10,000. Jackson & Perkins, Newark, N. Y.

MUSHROOM SPAWN.

Mushroom Spawn, Pure Culture, per 10 bricks, $1.50; 25 bricks, $3.50; 50 bricks, $6.50; 100 bricks, $12. W. C. Beckert, 103 Federal St., Allegheny, Pa.

Mushroom Spawn, pure culture Spawn, and importers of English mushroom Spawn. Knud Gundestrup & Co., 4273 Milwaukee Ave., Chicago.

Mushroom Spawn, English and pure culture. Weeber & Don, 114 Chambers St., New York.

Mushroom Spawn, frequent importations from England. J. J. Styer, Concordville, Pa.

NURSERY STOCK.

Nursery stock, American arbor vitæ, Tartarian honeysuckle, Barberry Thunbergii, Deutzia Pride of Rochester, Shade trees, fruit trees, shrubs. W. & T. Smith Co., Geneva, N. Y.

Nursery stock, Viburnum plicatum, hardy shrubs, vines and plants of all kinds. Dingee & Conard Co., West Grove, Pa.

Nursery stock, trees and shrubs. Price list on application. Peterson's Nursery, 503 W. Peterson Ave., Chicago.

Nursery stock, Viburnum plicatum, all sizes; shrubbery and honeysuckles, etc. Conard & Jones Co., West Grove, Pa.

Nursery stock, large trees, oak, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, pot-grown shrubs, conifers and ornamental stock. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, evergreen and deciduous flowering shrubs and vines. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, deciduous trees and shrubs, evergreens. Cottage Gardens Co., Queens, L. I., N. Y.

Nursery stock, plants and shrubbery of all kinds. Dingee & Conard Co., West Grove, Pa.

Nursery stock, all kinds of hardy stock. Klehm's Nurseries, Arlington Heights, Ill.

ORCHIDS.

Orchids, C. Dowiana, C. Gigas, C. Mossiæ, C. Percivaliana, C. speciosissima, C. Eldorado, C. superba, C. labiata, C. Leopoldi. Lager & Hurrell, Summit, N. J.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England; New York office, room 1, 235 Broadway.

Orchids, Cattleya labiata, Trianæi, Percivaliana, Mossiæ, Mendelli and Shroderæ. Julius Roehrs Co., Rutherford, N. J.

Orchids, leading varieties. Carrillo & Baldwin, Secaucus, N. J.

PALMS.

Palms, Kentia Belmoreana and Forsteriana, from 15 ins. to 15 feet. Fine single and made-up plants, $1, $2, $3, $4 and $5. Bobbink & Atkins, Rutherford, N. J.

Palms Latania Bor., 4-in., $15 per 100. Kentia Bel., 5-in., $60 per 100. Storrs & Harrison Co., Painesville, O.

Palms, leading vars. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Palms of all kinds. R. Dreyer, Woodside, L. I., N. Y.

Palms. L. Van Houtte Pere, Ghent, Belgium.

PANSIES.

Pansies, $3 per 1,000; 50c per 100. Jos. H. Cunningham, Delaware, O.

PELARGONIUMS.

Pelargoniums, rooted cuttings, 15 named vars., $2.25 per 100 prepaid. S. D. Brant, Clay Center, Kans.

PEONIES.

Peonies, Prince Charles, Lord Salisbury, Duchess of Sutherland, Rosea maxima, Mme. Furtado, Philomile, Leonie, Mons. Boquil, Festiva, Hypatia, Mons. Rousselon, Mme. Moreau, 1 yr., $1.50 per doz.; $10 per 100; 2 yr., $2 per doz.; $15 per 100. Thos. S. Ware, Ltd., Feltham, England.

Peonies, Queen Victoria, $9 per 100. Festiva Maxima, $30 per 100; Fragrans, $6 per 100. G. H. Wild, Sarcoxie, Mo.

Peonies a specialty. Peterson Nursery, 503 W. Peterson Ave., Chicago.

Peonies, all vars. Jacs Smits, Ltd., Naarden, Holland.

PETUNIAS.

Petunias, dbl., R. C., $1.25 per 100; $10 per 1,000. S. D. Brant, Clay Center, Kans.

Petunias, R. C., 10 kinds, $1. Byer Bros., Chambersburg, Pa.

If you do not find what you need in our Ready Reference Department, write us about it.

POINSETTIAS.

Poinsettias, 6-in. pans, 3 plts. in pan, $1 each; $10 per doz.; 7-in., 4 plts., $1.25 each; $12 per doz.; 8-in., 5 plts. in pan, $1.75 each; $20 per doz.; 10-in., 6 plats. in pan, $2.50 each; $30 per doz. Vaughan's Seed Store, Chicago and New York.

PRIVET.

Privet, California, the best. R. Dreyer, Woodside, L. I., N. Y.

PRUNUS.

Prunus triloba, standard form, budded, $12 per doz. Bobbink & Atkins, Rutherford, N. J.

RHODODENDRONS.

Rhododendrons, leading forcing vars., $18 to 20 ins. high, full of buds, $9 per doz.; 20 to 24 ins., $12 per doz. Storrs & Harrison Co., Painesville, O.

Rhododendrons, leading vars., 10 to 15 buds, $1.25 each; $12 per doz. Vaughan's Seed Store, Chicago and New York.

Rhododendrons, best forcing varieties, $9, $12, $18, $24 and $30 per doz. Bobbink & Atkins, Rutherford, N. J.

Rhododendrons. Jacs Smits, Ltd., Naarden, Holland.

Rhododendrons, Cottage Gardens Co., Queens, L. I., N.Y.

RIBES.

Ribes sanguineum, $9 per doz. Bobbink & Atkins, Rutherford, N. J.

ROBINIAS.

Robinia hybrida, scarlet, $12 per doz. Bobbink & Atkins, Rutherford, N. J.

ROSES.

Roses, hybrid, best kinds, 2-yr., $11 per 100. Crimson Rambler, 2-yr., 3 to 4 ft., $12 per 100; 3-yr., 4 to 5 ft., $15 per 100. Frau Karl Druschke, 2-yr., field-grown, $2 per doz.; $15 per 100. American Beauty, 2-yr., $2 per doz.; $15 per 100. Kaiserin Aug. Victoria, 2-yr., $2 per doz.; $15 per 100. Baby Rambler, 2-yr., $3 per doz.; $25 per 100; 1-yr., $2 per doz.; $15 per 100. La France, 2-yr., $2 per doz.; $15 per 100. Gruss an Teplitz, 2-yr., $2 per doz.; $15 per 100. Vaughan's Seed Store, Chicago and New York.

Roses, Crimson Rambler, strong, $5 per doz.; $25 per 100; smaller, $3 per doz.; $15 per 100. Baby Rambler, 4 and 5-in. pots, $4 per doz., imported dormant plants, $4 per doz.; $25 per 100. H. P. roses, Gen. Jacq., Baroness Rothschild, Frau Karl Druschki, Duke of Edinburgh, Mrs. J. Laing, Paul Neron, Mme. G. Luizet, Capt. Christy, C. Testout, Perle des Blanches, Brunner, Magna Charta, $12 per 100. Standard Magna Charta, $6 per doz. Baby Rambler, standard for forcing, $18 per doz. Bobbink & Atkins, Rutherford, N. J.

Roses, home grown. Baby Rambler, $2.50 per doz.; $20 per 100. Hermosa, $1.65 per doz.; $12.50 per 100. C. Soupert, $1.65 per doz., $12.50 per 100. Imported, extra heavy hybrid perpetuals, all vars., $1.50 per 10; $12.50 per 100. Baby Rambler, $2 per 10; $17.50 per 100; Crimson Rambler, $1.75 per 10; $15 per 100. Perennial Gardens Co., Toledo, O.

Roses, rooted cuttings. Richmond, $1.50 per 100; $12.50 per 1,000. Liberty, $2 per 100; $17.50 per 1,000. Bridesmaid, Bride, $1.50 per 100; $12.50 per 1,000. Sunrise, $3 per 100; $25 per 1,000. Uncle John, Chatenay, Ivory, $1.50 per 100; $12.50 per 1,000. Perle, $2 per 100; $17.50 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

Roses. We grow to order for March, April and May delivery. Bride, Bridesmaid, Perle, Chatenay, Ivory and Richmond rose plants, from 2½-in. pots, at $3 per 100; $25 per 1,000. First-class stock guaranteed. J. F. Ammann, Edwardsville, Ill.

Roses, rooted cuttings. Brides, Maids, Chatenay, Richmond, $1.50 per 100; $12.50 per 1,000. Carnot, Kaiserin, Perles, $2.50 per 100; $20 per 1,000. Am. Beauty, $3 per 100; $25 per 1,000. Bassett & Washburn, 76 Wabash Ave., Chicago.

Roses, own roots, field plants, Baby Rambler, C. Soupert, Phila. Rambler, C. Rambler, Dorothy Perkins, Sir Thos. Lipton; 2½ and 4-in. pot plants in variety. Conard & Jones Co., West Grove, Pa.

Roses, rooted cuttings, Bride, Maid, Golden Gate, Chatenay, $1.50 per 100; $12.50 per 1,000. Richmond, $2 per 100; $18 per 1,000. W. H. Gullett & Sons, Lincoln, Ill.

Roses, 2-yr., field-grown, Dorothy Perkins, $8 per 100. Crimson Rambler, $10 per 100. Hybrid perpetuals, $10 to $12 per 100. Jackson & Perkins, Newark, N. Y.

Rose, Queen Beatrice, finest forcing pink, to be disseminated spring of 1907. F. H. Kramer, 916 F St., N. W., Washington, D. C.

Roses, Killarney, rooted cuttings and plants, large stock, early delivery. Write to headquarters. Weiland & Risch, 59 Wabash Ave., Chicago.

Roses, 1,000 varieties, from 2½, 4 and 5-in. pots, own roots. Dingee & Conard Co., West Grove, Pa.

Roses, Crimson Rambler, 4 to 7 ft., $8 per 100; No. 2's, $4 per 100. C. M. Niuffer, Springfield, O.

Roses, 101 best sorts, own roots, 2½ and 4-in. Leedle Floral Co., Springfield, O.

Roses, leading kinds. W. & T. Smith Co., Geneva, N. Y.

Roses, climbing plants. Jacs Smits, Ltd., Naarden, Holland.

Roses, from 3-in. pots. Wood Bros., Fishkill, N. Y.

SALVIAS.

Salvias, R. C., $1 per 100; $8 per 1,000. S. D. Brant, Clay Center, Kans.

SEEDS.

Seeds, muskmelons: Banana per lb., $1; Emerald Gem, 60c; Osage, 40c; Rocky Ford, 25c; Improved Jenny Lind, 30c; Extra Early, 25c. Watermelons: Kleckley Sweets, 30c per lb.; Triumph, Cole's Early, Duke Jones, Sweet Heart, Black Diamond, Dixie, Pride of Georgia, 20c per lb. each; Dark and light Icing, 25c; Kolb Gem, 12c; Blue Gem, 16c. A select strain of early Anna tomato, for 1908. No seeds by mail. Freeman Hurff, Swedesboro, N. J.

Seeds, beets, cabbage, Cannon Ball and Rocky Ford muskmelon, watermelon, Bermuda and Calif. onion, okra, mustard, French and Calif. grown, radish, tomato, Mexican June corn, Kaffir corn, German millet, dwf. yel. Milo Maize, sugar cane, winter barley, Red Rust Proof oats, cotton seed, Whip. and white black-eyed field peas, Spanish peanuts, Johnson and Bermuda grass. Texas Seed and Floral Co., Dallas, Tex.

Seeds, Salvia Bonfire, Floracroft strain, trade pkt., 30c; oz., $2. Verbenas, all colors and mixed, tr. pkt., 30c; oz., $1.25. Phlox Drummondi grandi, separate colors, tr. pkt., 20c; oz., 75c. Dwarf Compact, Snowball and Fireball, tr. pkt., 30c. Asters, finest sorts. Antirrhinum, giant white, garnet, pink, scarlet striped, yellow, mixed, tr. pkt., 20c; oz., 60c. Stoke's Seed Store, 219 Market St., Philadelphia.

Seeds, Asparagus, A. plumosus nanus, Northern greenhouse grown seed, 100 seeds, 60c; 250 seeds, $1.25; 1,000 seeds, $4.50. Southern greenhouse grown, 1,000 seeds, $2.50; 5,000 seeds, $10. A. plumosus robustus, 100 seeds, $1; 1,000 seeds, $9. Decumbens, 100 seeds, 50c; 1,000 seeds, $4. Comorensis, 100 seeds, $1; 1,000 seeds, $7.50. Cash discount 2 per cent. Vaughan's Seed Store, Chicago and New York.

Seeds, aster, Vick's branching, 7 colors. Vick's Sunset, pkt., 25c; 2 pkts., 40c. Vick's Upright, pkt., 25c; 2 pkts., 40c. Vick's Royal Purple, pkt., 20c; 2 pkts., 35c. Vick's Branching Rosy Carmine, pkt., 25c; 2 pkts., 40c. Vick's Cardinal, pkt., 25c; 2 pkts., 40c. James Vick's Sons, Rochester, N. Y.

Seeds, Rawson's mammoth Verbena, all colors and mixed, per oz., $1; ¼ oz., 30c. W. W. Rawson & Co., 5 Union St., Boston.

Seeds, Asters, Vick's Daybreak, ¼ oz., 35c; oz., $1.25. Vick's Branching, all colors, ¼ oz., 20c; oz., 75c. Dreer's Branching, ¼ oz., 20c; oz., 75c; Carlson's Branching, ¼ oz., $1; oz., $2.50. Kate Lock, ¼ oz., 30; oz., $1. Vick's Early Snowdrift, ¼ oz., $1.50; oz., $5. Queen of Market, ¼ oz., 15c; oz., 50c. Nathan Smith & Son, Adrian, Mich.

Seeds, sweet peas, Earliest White, per pkt (40 seeds), 25c; 5 pkts., 75c net. ½ size pkts., 15c; 2 pkts., 25c; 10 pks., 75c. Burpee's Earliest of All, per oz., 10c; ¼ lb., 30c; per lb., $1. W. Atlee Burpee & Co., Philadelphia.

Seed, Asparagus plumosus, 1,000 seeds, $2; 6,000, $10; 13,000, $20; 25,000, $35; 50,000, $65; 100,000, $110. F. G. Taylor Seed Co., Inc., Box 99, Glendale, Cal.

Seeds, mignonette, New York Market. Sweet peas, pink and white. Tomato, The Don, Stirling Castle. Weeber & Don, 114 Chambers St., New York.

Seeds, specialties, beans, cucumber and tomato, radish, peas, muskmelon, sweet corn and squash. S. M. Isbell & Co., Jackson, Mich.

Seeds, all kinds, specialties, onion, carrot, lettuce, sweet peas. Pacific Seed Growers' Co., 109 Market St., San Francisco.

Seeds, clover, rye grasses, natural grasses, Swede, turnip, mangel, vegetable and flower seeds. Bell & Bieberstedt, Leith, Scotland.

Seeds, cabbage and cauliflower. Hjalmar Hartmann & Co., 12 Stormgade, Copenhagen, 31 Barclay St., New York.

Seeds, Primula Sinensis, herbaceous calceolaria, etc. H. B. May & Sons, Upper Edmonton, London, Eng.

Seeds, all kinds of vegetable and flower seeds. C. C. Morse & Co., 171 Clay St., San Francisco.

Seeds, high grade grass, clover, agricultural and forest tree seeds. Conrad Appel, Darmstadt, Germany.

Seed, Asparagus plumosus, $2.50 per 1,000; 60c per 100. Jos. Cunningham, Delaware, O.

Seeds, gaillardia, all colors, large packet, $1. Riverside Greenhouses, Auburndale, Mass.

Seeds of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Seeds, vegetable and flower. A. J. Pieters Seed Co., Hollister, Cal.

Seeds, Snowball cauliflower. R. Wiboltt. Nakskov, Denmark.

Seeds, Puget Sound Cabbage. Chas. H. Lilly Co., Seattle, Wash.

Seeds, all kinds. John Scheepers & Co., New York.

Seeds. W. Atlee Burpee Co., Philadelphia, Pa.

SMILAX.

Smilax, 3-in., $4 per 100; $35 per 1,000. Foehlmann Bros. Co., Morton Grove, Ill.

Smilax. Wood Bros., Fishkill, N. Y.

SPIREAS.

Spireas, japonica, $11.50 per 100. Compacta, $5 per 100. Astilboides floribunda, $5.50 per 100. Gladstone, $10 per 100. H. Witte, $3 per doz.; $20 per 100. Palmata, $2 per doz.; $15 per 100. Antony Waterer, $9 per doz. Bobbink & Atkins, Rutherford, N. J.

Spireas, Gladstone, select clumps, $12 per 100. Astilboides floribunda, $5 per 100; case of 300 clumps, $12. Compacta multiflora, $6 per 100. Japonica, $5 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Spireas, japonica, strong clumps, $3.50 per 100; Astilboides Floribunda, $4 per 100; Compacta Multiflora, $4 per 100; Gladstone, $6.50 per 100. J. M. Thorburn & Co., 33 Barclay St., New York.

Astilbe, or Spirea, Gladstone, $8 per 100; Astilboides floribunda and Japonica, $5 per 100; Compacta, multiflora, $6 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

If you do not find what you need in our Ready Reference Department, write us about it.

Spirea nana compacta, Clumps, $4 per 100. Storrs & Harrison Co., Painesville, O.

Spireas. Jacs Smits, Ltd., Naarden, Holland.

STAPHYLEAS.

Staphylea colchica, $7.50 per doz. Bobbink & Atkins, Rutherford, N. J.

VEGETABLE PLANTS.

Vegetable plants, cabbage, New Early and Succession, $1.25 per 1000. Lettuce, Grand Rapids, Big Boston, Boston Market and Tennis Ball, $1 per 100. Parsley, Moss Curled, $1.25 per 1000. Tomatoes, Lorillard and Mayflower, 40c per doz.; $2 per 100. R. Vincent, Jr., & Son, White Marsh, Md.

VERBENAS.

Verbenas, 60 named vars., Rooted cuttings, 75c per 100; $6 per 1,000. Plants, $2.50 per 100; $20 per 1,000. J. L. Dillon, Bloomsburg, Pa.

Verbenas, R. C., 60c per 100; $5 per 1,000. S. D. Brant, Clay Center, Kans.

VIBURNUMS.

Viburnum Opulus, bushy form, $6.50 per doz; standard form, $15 per doz. Bobbink & Atkins, Rutherford, N. J.

VINCAS.

Vinca Var., R. C., 90c per 100; $7.50 per 1,000. Shippensburg Floral Co., Shippensburg, Pa.

Vinca Var., 2-in., $2 per 100. Geo. A. Emmans, Newton, N. J.

Vinca Var., R. C., 90c. Byer Bros., Chambersburg, Pa.

VIOLETS.

Violets, Lady Hume Campbell, Princess of Wales, Swanley White, Admiral Avellan, Luxonne, from 2½-in. pots, $3.50 per 100; $30 per 1,000. Dingee & Conard Co., West Grove, Pa.

Violets, Gov. Herrick, new single violet, good keeper; rooted cuttings $2 per doz.; $10 per 100; $75 per 1,000; 5,000 or more, $60 per 1,000. H. R. Carlton, Willoughby, O.

Violets. Wood Bros., Fishkill, N. Y.

WEIGELIAS.

Weigelia Eva Rathke, $9 per doz. Bobbink & Atkins, Rutherford, N. J.

WISTARIAS.

Wistaria, pot-grown, $9 per doz. Bobbink & Atkins, Rutherford, N. J.

WHOLESALE CUT FLOWERS.

Commission Dealers.

Allen, J. K., 106 W. 28th St., New York.

Amling, E. C., 32-36 Randolph St., Chicago.

Berning, H. G., 1402 Pine St., St. Louis.

Cleveland Cut Flower Co., 215 Huron road, Cleveland, O.

Deamud, J. B., Co., 51 Wabash Ave., Chicago.

Eberman, C. W., 53 W. 30th St., New York.

Flower Growers' Market, 60 Wabash Ave., Chicago.

Ford Bros., 48 W. 28th St., New York.

Froment, Horace E., 57 W. 28th St., New York.

Guttman, Alex. J., 43 W. 28th St., N. Y.

Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Henshaw, A. M., 52 W. 28th St., New York.

Horan, Edward C., 55 W. 28th, N. Y.

Hunt, E. H., 76 Wabash Ave., Chicago.

Kennicott Bros. Co., 40-44 Randolph St., Chicago.

Kessler, Phil. F., 55 W. 26th St., N. Y.

Kuehn, C. A., 1122 Pine St., St. Louis.

Langjahr, Alfred H., 55 W. 28th St., New York.

McCullough's Sons Co., J. M., 316 Walnut St., Cincinnati, O.

McKellar, Chas. W., 51 Wabash Ave., Chicago.

McKissick, W. E., 1221 Filbert St., Philadelphia.

Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Murdoch, J. B. & Co., 745 Liberty Ave., Pittsburg, Pa.

N. Y. Cut Flower Ex., Coogan Bldg., 6th Ave. and W. 26th St., New York.

Niessen Co., Leo, 1217 Arch St., Phila.

Pennock-Meehan Co., 1608-18 Ludlow St., Philadelphia.

Pittsburg Cut Flower Co., Ltd., 222 Oliver Ave., Pittsburg, Pa.

Pittsburg Florists' Exchange, 217-223 Diamond St., Pittsburg, Pa.

Pollworth, C. C. Co., Milwaukee, Wis.

Randall, A. L. Co., 19 Randolph St., Chicago.

Raynor, John I., 49 W. 28th St., N. Y.

Rice Bros., 128 N. 6th St., Minneapolis, Minn.

Robinson, Henry M., & Co., 11-15 Province St., Boston.

Seligman, John, 56 W. 26th St., N. Y.

Sheridan, Walter F., 39 W. 28th St., New York.

Smith & Co., W. C., 1316 Pine St., St. Louis, Mo.

Traendley & Schenck, 44 W. 28th St., New York.

Vaughan & Sperry, 58-60 Wabash Ave., Chicago.

Welch Bros., 226 Devonshire St., Boston.

Winterson, E. F. Co., 45-49 Wabash Ave., Chicago.

Young, A. L. & Co., 54 W. 28th St., New York.

Young, Thos., 43 W. 28th St., N. Y.

Zech & Mann, 51 Wabash Ave., Chicago.

Growers.

Bassett & Washburn, 76-78 Wabash Ave., Chicago.

Benthey-Coatsworth Co., The, 35 Randolph St., Chicago.

Bruns, H. N., 1409-11 W. Madison St., Chicago.

Budlong, J. A., 37-39 Randolph St., Chicago.

Chatogue Greenhouses, Mobile, Ala.

Elliott, W. H., Brighton, Mass.

Hill, The E. G. Co., Richmond, Ind.

Jensen & Dekema, 674 W. Foster Ave., Chicago.

Peacock Dahlia Farms, Atco, N. J.

Poehlmann Bros. Co., 35-37 Randolph St., Chicago.

Reinberg, Peter, 51 Wabash Ave., Chicago.

Rising-Dunscomb Co., Inc., 205 No. Broadway, Los Angels, Cal.

Scheiden & Schoos, 60 Wabash Ave., Chicago.

Sinner Bros., 60 Wabash Ave., Chicago.

Weiland & Risch, 59 Wabash Ave., Chicago.

Wietor Bros., 51 Wabash Ave., Chicago.

Wilcox, J. F., Council Bluffs, Iowa.

Wittbold, Geo. Co., 1657 Buckingham Place, Chicago.

RETAIL CUT FLOWERS.

Alpha Floral Co., Kansas City, Mo.

Atlanta Floral Co., 41 Peachtree St., Atlanta, Ga.

Bertermann Bros. Co., 241 Massachusetts Ave., Indianapolis, Ind.

Blackistone, 14th and H Sts., N. W., Washington, D. C.

Boland, J. B. Co., 47-49 Geary St., San Francisco.

Breitmeyer's Sons, John, cor. Miami and Gratiot Aves., Detroit, Mich.

Cooke, George H., Connecticut Ave. and L St., Washington, D. C.

Daniels & Fisher, Denver, Colo.

Donohoe, W. H., 2 W. 29th St., N. Y.

Eyres, H. G., 11 N. Pearl St., Albany, N. Y.

Galvin, Thos. F., 124 Tremont St., Boston.

Gude, A. & Bro., 1214 F St., Washington, D. C.

Hansen, Mrs. M. A., Galveston, Tex.

Hauswirth, P. J., Audit. Annex, Chi.

Hess & Swoboda, 1415 Farnum St., Omaha, Neb.

Holm & Olson, St. Paul, Minn.

Keller, J. B., Sons, 25 Clinton St., Rochester, N. Y.

Kellogg, Geo. M., 906 Grand Ave., Kansas City, Mo.; also Pleasant Hill, Mo.

Lange, A., 40 E. Madison St., Chicago.

Livingston Seed Co., Columbus, O.

Matthews, 16 W. 3rd St., Dayton, O.

Mayberry & Hoover, 1339 14th St., N. W., Washington, D. C.

Miller, Theo., 4832 Delmar Blvd., St. Louis, Mo.

Mills The Florist, 36 W. Forsythe St., Jacksonville, Fla.

Murray, Samuel, Coates House Con., 1017 Broadway, Kansas City, Mo.

Park Floral Co., The, Denver, Colo.

Palmer's, Buffalo, N. Y.

Schulz, J., 644 4th Ave., Louisville, Ky.

Virgin, Uriah J., 833 Canal St., New Orleans, La.

Weber, Fred C., 4320-28 Olive St., St. Louis, Mo.

Wilcox, J. F., Council Bluffs, Iowa.

Wilson, Robt. G., Fulton St. and Greene Ave., Brooklyn, N. Y.

Youngs, 1406 Olive St., St. Louis, Mo.

BOILERS.

Boilers, improved greenhouse boilers, made of best material; shell firebox sheets and heads of steel; water space all around (front, sides and back). Kroeschell Bros. Co., 45 Erie Street, Chicago.

Boilers, Gurney heaters, heat by steam or hot water. Gurney Heater Mfg. Co., 111 5th Ave., New York; 74 Franklin St., Boston.

Boilers, the Burnham boilers, made for greenhouse heating. Lord & Burnham Co., 1133 Broadway, New York.

Boilers, corrugated, fire box and sectional, greenhouse heating. Hitchings & Co., 1170 Broadway, New York.

Boilers, boilers of high grade for greenhouses. Steam and hot water. Giblin & Co., Utica, N. Y.

Boilers of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Boilers, water tube steam boilers. King Construction Co., N. Tonawanda, N. Y.

Boilers, write for prices. Johnston Heating Co., 1133 Broadway, N. Y.

Boilers, Myers & Co., 1122 Betz Bldg., Philadelphia.

BOXES.

Cut Flower Boxes, water-proof, corner lock style. No charge for printing on orders above 250 boxes. Livingston Seed Co., Columbus, O.

Cut Flower Boxes; send for prices. Edwards Folding Box Co., Philadelphia, Pa.

BUILDING MATERIAL.

Building material, lumber for greenhouse benches. Ship lap, drop siding, sheating, flooring, white cedar posts, etc. We are in special position to furnish "Pecky Cypress"; everything in pine and hemlock building lumber. Adam Schillo Lumber Co., cor. Weed and Hawthorn Sts., Chicago.

Building Material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouses and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building Material, cypress sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 111-125 Blackhawk St., Chicago.

Building Material of all kinds. S. Jacobs & Sons, 1365-79 Flushing Ave., Brooklyn, N. Y.

If you do not find what you need in our Ready Reference Department, write us about it.

Building Material, cypress sash bars, Tennessee red cedar posts, pecky cypress benches, hotbed sash and frames, ventilating apparatus, pine, fittings and all supplies needed in new or reconstruction work. Foley Mfg. Co., 471 W. 22d St., Chicago.

Building Material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 617 Sheffield Ave., Chicago.

Building Material for U-Bar greenhouses. Pierson U-Bar Co., Metropolitan Bldg., 4th Ave. and 23d St., N. Y.

Building Material of all descriptions, cold frames, hotbed sash, etc. Lord & Burnham Co., 1133 Broadway, N. Y.

Building Material, cold frames, hotbed sash of every description. Hitchings & Co., 1170 Broadway, New York.

Greenhouse materials of all kinds for greenhouse heating. Johnston Heating Co., 1133 Broadway, New York.

Building material, yellow pine boards cut to exact lengths. L. L. Satler Lumber Co., Pittsburg, Pa.

Building Material of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

CONCRETE MACHINES.

Ideal Concrete Machines for concrete block construction. Ideal Concrete Machinery Co., Dept. Y., South Bend, Ind.

CUT FLOWER HOLDER.

The Anglais table decoration, made in sections, can be adjusted to any form desired. "Japana" flower holder, 4½-in., 50c; 3½-in., 35c; 2½, 25c. M. V. Garnsey, 131 So. Waiola Ave., La Grange, Ill.

FERTILIZERS.

Wizard Brand pulverized sheep manure. The Pulverized Manure Co., 32 Exchange Ave., Chicago.

GLASS.

Glass importers and jobbers; greenhouse glass a specialty. Window glass. James H. Rice, corner Michigan, St. Clair and Illinois Sts., Chicago.

Glass, a lot of 16x18 A and B double strength at low price. A. Dietsch Co., 617 Sheffield Ave., Chicago.

Glass, window glass. Greenhouse glass a specialty. H. M. Hooker Co., 59 W. Randolph St., Chicago.

Glass, French and American "White Rose" brand. Stenzel Glass Co., 2 Hudson St., New York.

Glass, all sizes. Metropolitan Material Co., 1398 Metropolitan Ave., Brooklyn, N. Y.

Glass, all kinds and sizes. Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.

GLAZING POINTS.

Glazing Points, see the point? Holds glass firmly. Peerless glazing points are the best. No rights or lefts. Box of 1,000 points, 75c, postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Siebert's zinc never rust glazing points, 2 sizes, ⅝ and ⅞, 40c per lb. 16c extra by mail; 7 lbs., $2.50; 15 lbs., $5 by express. Siebert Co., Baum and Beatty Sts., Pittsburg, Pa.

GOLD FISH.

Gold Fish, Comets, Japanese Fantails, Fringetails, Telescopes, etc. Fish globes and aquariums. The J. M. McCullough's Sons Co., 316 Walnut St., Cincinnati, O.

Goldfish aquaria and aquarium supplies. Fred. Kaempfer, 88 State St., Chicago.

GREENHOUSE CONSTRUCTION.

Greenhouse Construction, builders of greenhouses for private estates, institutions, parks, etc. Pierson U-Bar Co., Metropolitan Bldg., 4th Ave. and 23d St., New York.

Greenhouse Construction, builders of modern greenhouses. Myers & Co., 1122 Betz Bldg., Philadelphia.

Greenhouse Construction, sash bar greenhouses. New Truss construction and iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse Construction, builders of every type of greenhouses; the most modern designs. Hitchings & Co., 1170 Broadway, N. Y.

GUTTERS.

Gutters, Jennings' improved iron gutters. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

Gutters, Lord & Burnham Improved V-shape gutter, with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

Gutters, Garland's gutters will keep snow and ice off your glass. A sample of our gutters is on exhibition at Chicago Flower Growers' Market. Geo. M. Garland, Des Plaines, Ill.

Gutters, new duplex gutter, only drip-proof gutter on the market. E. Hippard, Youngstown, O.

INSECTICIDES.

Insecticides, tobacco paper, 24 sheets, 75c; 144, $3.50; 288, $6.50; 1,728, $35.10. Nico-Fume Liquid, ¼ pint, 50c; pint, $1.50; ½ gal., $5.50; gal., $10.50; 5 gal., $47.25. Kentucky Tobacco Product Co., Louisville, Ky.

Insecticides, Nikoteen Aphis Punk, 60c per box 12 sheets; $6.50 per case of 12 boxes. Nikoteen Liquid, $1.50 per pint; $13 per case of 10 pints. Nicotine Mfg. Co., St. Louis, Mo.

Wilson's Plant Oil, for scale and insects, ½ pt., $25c; pt., 40c; qt., 75c; ½ gal., $1.25; gal., $2; 5 gals., $9. Andrew Wilson, Summit, N. J.

Insecticides, Hasco liquid nicotine, pts., $1.35; half gal., $5.25; gal., $10. H. A. Stoothoff Co., 116 West St., New York.

Fumigating Supplies, vaporizing pans for tobacco extract, improved. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

Insecticide, Nicoticide, Bug Killer, the best bug killer and bloom saver. P. R. Palethorpe Co., Louisville, Ky.

Insecticides, Carman's Antipest insecticide and fungicide, $1.50 per gal. Perfection Chem. Co. Flushing, N. Y.

Fumigating supplies, tobacco stems, 300 lb. bales, $1.50. W. C. Beckert, 103 Federal St., Allegheny, Pa.

LAWN MOWERS.

Lawn Mower. The Clipper lawn mower, No. 1, 12-in., $5; No. 2, 15-in., $6; No. 3, 18-in., $7; No. 4, 20-in., $8. Draft, money order or reg. letter. Clippera Lawn Mower Co., Dixon, Ill.

METAL DESIGNS.

Metal signs, send for prices. A. Herrmann, 404-12 E. 34th St., New York.

MISCELLANEOUS.

Engravings, best engravings and illustrations of every description for catalogues. Send for estimates. Globe Eng. & Elec. Co., 427 Dearborn St., Chicago.

Printing, large runs of catalogues a specialty. Write for figures. Regan Printing House, 89-91 Plymouth Place, Chicago.

Florists' overdue accounts and bad debts collected by the National Florists' Board of Trade, 56 Pine St., N. Y.

PAINT, PUTTY, ETC.

Paint, Ideal Greenhouse Lead; Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, N. Y.

Paint, Putty, etc. H. M. Hooker Co., 59 W. Randolph St., Chicago.

Paint, Putty, etc. The Jas. H. Rice Co., 80-82 Wabash Ave., Chicago.

PIPE, FITTINGS, ETC.

A Bargain, 4-in. cast iron pipes, 5 foot lengths at 12c per foot. C. C. Pollworth Co., Milwaukee.

Pipe, iron fittings, etc., galvanized iron sash hinges, screw eyes, screw hooks, U bolts, galvanized iron buckles and wires. Fittings for purlin and ridge supports. Foley Mfg. Co., 471 W. 22d St., Chicago.

Iron Fittings, patent iron bench fittings and roof supports. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

Pipes, valves, fittings of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

POTS, PANS, ETC.

Pots, standard, seed pans, cut flower cylinders, hanging baskets, lawn vases, etc. Hilfinger Bros. Pottery, Ft. Edward, N. Y.

Pots, standard flower pots. The Whildin Pottery Co., Philadelphia, Pa.; Jersey City, N. J.; Long Island City, N. Y.

Pots, before buying write for prices. Geo. Keller & Son, 361-63 Herndon St., near Wrightwood Ave., Chicago.

Pots, red standards, full size and wide bottoms. Detroit Flower Pot Mfy., 490 Howard St., Detroit, Mich.

Pots, garden vases, hanging baskets. Twin City Pottery Mfg. Co., 2406 Marshall St. N. E., Minneapolis, Minn.

Pots, red standard, azalea pots. The Keller Pottery Co., 213-223 Pearl St., Norristown, Pa.

Pots, pots of all kinds. A. H. Hews & Co., No. Cambridge, Mass.; Long Island City, N. Y.

Pot hangers, Kramer's $1 doz. by exp., $1.25 by mail. I. N. Kramer & Son, Cedar Rapids, Ia.

Pots, red standard. Paducah Pottery Co., Paducah, Ky.

Pots, Syracuse, red, Syracuse Pottery Co., Syracuse, N. Y.

Pots, all sizes. Ionia Pottery Co., Ionia, Mich.

PRUNING SHEARS.

Pruning shears, Rhodes double cut. Rhodes Mfg. Co., Grand Rapids, Mich.

PUMPING ENGINES.

Pumping Engines, two streams of water for 1 hour cost 2 cents if you use a Standard pumping engine. The Standard Pump & Engine Co., Cleveland, O.

SEED CASES.

Seed cases, Heller's mice proof. W. C. Heller & Co., Montpelier, O.

STEAM TRAPS.

Steam Traps, the Standard return steam trap has no equal for its simplicity of working. E. Hippard, Youngstown, O.

SUPPLIES.

Supplies, terra cotta grass growing heads and animals, fish globes, fish tanks, aquaria, Bohemian glassware, imported china, French glass shades, all shapes, imported hyacinth glasses, tall and Tye's shape. Nicolas Wapler, 50 Barclay St., New York.

Supplies, flower baskets, novelties. Riessner Bros., Lichtenfels, Bavaria.

STANDARD FLOWER POTS

No Charge for Crates or Packing.

Inches	per 1000	Inches	per 100
1½	$ 2.77	7	$ 4 00
2	3.33	8	6 00
2½	3 88	9	8.88
3	5 27	10	13 33
3½	6.10	12	22.22
4	7 77	14	38 88
4½	10.00	16	66.66
5	13 88	20	each, 1.25
6	22 20		

Azalea Pots and Bulb Pans same as **Standard Pots.** 2 and 2½-in. Rose Pots. $3 88 per 1000.

These pots are **carefully made,** very strong and porous. Liberal count is given, thereby protecting our patrons against possible breakage. **Above prices subject to 10 per cent. discount for cash.**

A. F. KOHR, 1521-23.25 N.Leavitt St., **Chicago.**

If you do not find what you need in our Ready Reference Department, write us about it.

Providence R. I.

THE CHRISTMAS TRADE.

Prices for Christmas were forced high on account of wholesale figures. Carnations went at $3, $5 and $8 per 100, and retailed for $1 to $1.50 per dozen. This was unusually high for Christmas in this section and created a sentiment of public disfavor, but in spite of this almost everything was cleaned out by Christmas afternoon. Roses did not advance in such a spectacular manner as carnations, wholesaling at $6 to $15 per 100 and doubling up at retail figures. Violets were a pleasant surprise at $1 per 100 wholesale and twice that sum at retail; the quality was excellent, the cut very large, and cleaned out to the last flower with satisfaction to storemen and purchasers alike. Princess was mostly in evidence, with a fair sprinkling of double English. Every grower had good flowers of the single varieties, and the one price of $1 per 100 held good in all directions. The week before the holidays some of the growers struggled to build up a frightened call on violets at $1.50 per 100, but it was of no avail, as some of the best greenhouses offered their stock at 50c less, the market soon finding its level, and not too late to encourage a public demand. A few Roman hyacinths and a goodly supply of Paper White narcissus helped out the shortage of carnations. The weather for the week preceding was a poor start and continued cloudy up to the last minute, so that the rush came all at once. Business was brisk while it lasted, but will not net last year's receipts, chiefly on account of carnations running scarce and high, thereby cutting off a general public support and causing a drop in receipts. The one noticeable feature was the awful slump in paper bells. Last year was very busy in this direction.

M. M.

Scranton, Pa.

Christmas is past, but not the effects of the extra work it entailed on the trade, yet all are rejoicing, having had better business and obtained higher prices than ever before. Cut flowers were in fair supply, prices ranging well above the ordinary. Poinsettias, ferns, and other pot plants, if good stock, were easily sold at fancy prices and large quantities were disposed of in this city and the surrounding towns. Christmas trees looked like a glut, but before trade closed there was a shortage and not a tree for sale. Holly of good quality and ground pine, were sold in large lots at fair prices.

Next meeting of the Florists' Club, January 18; after that for Toronto to see the fancy carnations and hear the introducers of new varieties talk, wise or otherwise, about the very best carnation produced.

The extreme cold, 5° to 10° above zero the day before and on Christmas day, caused a large amount of extra labor, but this is soon forgotten in the satisfaction of having had a good trade.

Wm. McDonald, of Moosic, reports a complete cleaning up in plants and cut flowers, about the same report coming from G. L. Dillon Estate and David Bros., of Bloomsburg. E. M.

OAKLAND, R. I.—Amos Darling recently completed another greenhouse and is now installing a hot water heating system.

Minneapolis.

The Christmas trade here this year was better than ever before. The merchants report a 25 per cent increase over last year, showing a remarkably good business. Prices were exceedingly high, but this seemed to make no difference, for, even with an extra force of clerks, everybody was taxed to the limit in waiting on the customers. Roses seemed to be most in demand, prices for the best grades reaching $36 per dozen. Poinsettias brought $12 per dozen. Carnations were plentiful, but a little soft on account of recent dark weather. Violets sold from $4 to $6 per 100, and were entirely cleaned out. Narcissi, Roman hyacinths and other small stock were good and went rapidly. Christmas greens were entirely sold out leaving nothing for after-Christmas parties.

NOTES.

H. Barsch, of Sixth avenue, N., had quite an unfortunate accident last week. The city water pipe burst, causing about $300 worth of damage to his house and seriously crippling his trade for some time.

The Minneapolis Floral Co.'s greenhouses are empty of everything in the way of blooms and winter plants.

Donaldson's Glass Block reports a heavy trade with a special demand for poinsettias.

G. H.

Louisville.

Christmas business averaged probably 20 per cent over last year. Everybody seemed to have all they could handle, and although stock was in good supply, the unusually heavy demand caused it to become very scarce. Roses had a very heavy demand, and the supply was about equal to it. The quality of some was very good. Carnations had an unusually heavy demand, and became very scarce towards the last. There were some unusually fine ones on the market. Violets, both single and double, had an excellent demand, and the supply and quality were good. Lily of the valley had a fair demand, and the supply was good. Narcissus and Roman hyacinths were received in great quantities, and found a satisfactory demand. A few lilies were on the market, and brought high prices. In the way of plants, we had a fine lot of Begonia Gloire de Lorraine, cyclamens, azaleas, rhododendrons, etc., and they found a steady demand.

F. L. S.

Portland, Ore.

A number of citizens interested in forestry met last night at the Imperial hotel, to lay plans for forming an organization to be known as the State Forestry and Protective Association, in which it is proposed to interest the principal owners of timber land throughout the state. An effort will be made to interest people in the east who own timber here. Prof. Edward R. Lake, of the Oregon Agricultural College, was elected chairman for the evening, and Edmund P. Sheldon, secretary of the Oregon lumber manufacturers' association, acted as secretary. Short speeches were given, on the need of an association of this kind, looking to the preservation of the forests of Oregon against wilful abuse or neglect. Committees were appointed to formulate a constitution and by-laws, also to nominate permanent officers. Those present were: Prof. E. R. Lake, Edmund P. Sheldon, Arthur D. Monteith, Supt. of Parks, D. D. Bronson, W. S. Forest, supervisor Cascade range, Prof. A. S. Forest, Shamokowa, Wash., John Ward, A. E. Cahoon, U. S. Forest Service, L. H. Stowe, Oregon Agricultural College, John Minto, Salem, Ore., George Cornwall, and M. W. Gorman.

The Best Way to Collect an Account

is to place it with the

NATIONAL FLORISTS' BOARD OF TRADE, 56 Pine St., New York.

Why? Because many debtors will pay the Board, fearing otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.

EVANS' IMPROVED CHALLENGE VENTILATING APPARATUS

WRITE FOR ILLUSTRATED CATALOGUE

QUAKER CITY MACHINE WORKS, RICHMOND, IND.

Gold Fish Aquaria and Aquarium Supplies.

Write for catalogue.

FRED KAEMPFER

88 State Street, CHICAGO, ILL.

THE ART OF Floral..... Arrangement.

The first special newspaper in the world for floral arrangement.

250 ILLUSTRATIONS ANNUALLY.

Specimen number free. Subscription, $2.40 yearly.

BINDEKUNST-VERLAG, J. Olt ertz, ERFURT, GERMANY.

Le Journal des Roses.

Organ of the French Rosarians.

Published at Paris. Once a month with colored plates.

Subscription $2.70 per Year. Sample Copies Free.

ADMINISTRATION DU SUISNES JOURNAL DES ROSES a SUISNES, Brie a Grisy-Suisnes. (Seine et M FRANCE.

GREENHOUSE HEATING

Complete heating plants erected or materials furnished with working plans. Write for prices on BOILERS.

JOHNSTON HEATING COMPANY,

St. James Building, 1133 Broadway, NEW YORK.

Please mention the American Florist when writing.

SUN DRIED CYPRESS

GREENHOUSE MATERIAL

IS THE BEST. WRITE

FOLEY MFG. Co.

471 W. 22ND ST.

- CHICAGO -

FOR FREE CATALOGUE

"

VENTILATING APPARATUS, FITTINGS

HOT-BED SASH.

WE MAKE SKETCHES AND ESTIMATES -

If you are having delay in getting your roof material, send your orders TO US and don't be in trouble. We will handle any order in the time agreed. Try us.

FOLEY MANUFACTURING CO.,

471 West 22nd Street, : : CHICAGO

Now is the Time

to Subscribe to the

Horticultural Trade Journal

Published weekly. The Largest Brightest, and Best British Trade Publication. Also

THE INTERNATIONAL EDITION

Published quarterly. Annual subscription for weekly and quarterly numbers, One dollar, (International money order). Subscribe to-day and keep in touch with European markets and topics.

THE HORTICULTURAL PRINTING COMPANY

BURNLEY, ENGLAND.

...Send Advertisements Early...

FLORISTS, SEEDSMEN, NURSERYMEN

Yellow Pine Boards

RESAWED AND CUT TO EXACT LENGTHS FOR YOU

IS OUR SPECIALTY.

Our Prices and Material Will Please You. Furnished Delivered. Prices on Inquiry.

L. L. SATLER LUMBER CO., Pittsburg, Pa.

Mills and Branch Office: Blackstone, Va.

Please mention the American Florist when writing

THE LOW PRICE HEATING PLANTS

The Chicago House Wrecking Co. is in position to offer you an interesting proposition for furnishing you with a heating plant at a saving of at least 30%. Send us a sketch of your houses with preferred location of the boiler, the points of compass and the desired night temperature for zero weather, and we will gladly submit you an exact detail quotation of all material required to install the plant. We have ***heaters*** and ***boilers*** of every kind, both new and rebuilt. We have always ou hand a large number of rebuilt boilers suitable for greenhouse heating. Our stock embraces ***fire box boilers, horizontal tubular boilers, Kroeschell boilers, cast iron sectional boilers, Erie City economizers*** and other types.

We can save you considerable money on ***pipe, valves*** and ***fittings;*** also on ***doors, glass, sash*** and everything needed in the construction of your buildings.

Ask for our Special Catalogue No. 47.

CHICAGO HOUSE WRECKING CO.,

35th and Iron Streets, CHICAGO.

Please mention the American Florist when writing.

Use our patent Iron Bench Fittings and Roof Supports.

THE JENNINGS IMPROVED IRON GUTTER.

IMPROVED VAPORIZING PANS

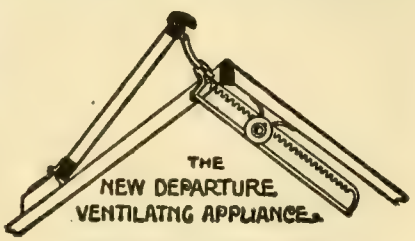
For Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY & CO. SUCCESSORS TO JENNINGS BROTHERS,

S. W. Cor. Sixth and Berk Sts., PHILADELPHIA.

VENTILATING APPARATUS.

Please mention the American Florist when writing.



THE NEW DEPARTURE VENTILATING APPLIANCE.

CHEAPEST AND BEST.

If you doubt it try them and be convinced. Send for descriptive price circular.

J. D. Carmody, Evansville Ind.

CUT FLOWER BOXES WATERPROOF Corner Lock Style.

The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always.

Size No.		Per 100	Per 1000
0.	3x 4x20	$2.00	$19.00
1.	3x 4½x16	1.90	17.50
2.	3x 6x18	2.00	19.00
3.	4x 8x18	2.50	23.00
4.	3x 5x24	2.75	26.00
5.	4x 8x22	3.00	28.50
6.	4x 8x28	3.75	36.00
7.	6x16x20	5.50	54.00
8.	3x 7x21	3.00	28.50
9.	5x10x35	6.50	62.00
10.	7x20x20	9.50	67.50
11.	3½x5x30	3.00	28.50

Sample free on application. No charge for printing on orders above 250 boxes. Terms cash.

THE LIVINGSTON SEED COMPANY,

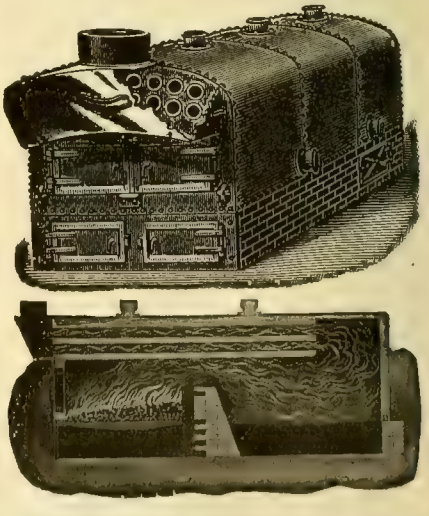
Box 104, COLUMBUS, OHIO.

KROESCHELL BROS. CO.

IMPROVED

Greenhouse Boiler

45 Erie Street, CHICAGO.



Boilers made of Steel Boiler Plate; shell, firebox sheets and heads of steel: water space all around front, sides and back. Write for information.

Please mention the American Florist when writing.

THE AMERICAN FLORIST

America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXVII. CHICAGO AND NEW YORK, JANUARY 12, 1907. No. 971

THE AMERICAN FLORIST

TWENTY-SECOND YEAR.

Copyright 1907, by American Florist Company. Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

324 Dearborn St., Chicago.

Eastern Office: 1133 Broadway, New York.

Subscription, $1.00 a year. To Europe, $2.00.
Subscriptions accepted only from the trade.
Volumes half yearly from August 1901.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—WM. J. STEWART, Boston, Mass., president; JOHN WESTCOTT, Philadelphia, Pa., vice-president; P. J. HAUSWIRTH, Auditorium Annex, Chicago, secretary; H. B. BEATTY, Pittsburg, Pa., treasurer. Twenty-third annual meeting at Philadelphia, Pa., August, 1907.

INTERNATIONAL EXHIBITION—A grand international exhibition will be held with the annual convention at Chicago, November, 1908.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual convention and exhibition, November, 1907. ALFRED J. LOVELESS, Lenox, Mass., president; DAVID FRASER, Penn and Homewood Ave., Pittsburg, Pa., secretary.

AMERICAN ROSE SOCIETY.

Annual meeting and exhibition at Washington, D. C., March 13-15, 1907. ROBT. SIMPSON, Clifton, N. J., president; BENJAMIN HAMMOND, Fishkill-on-Hudson, N. Y., secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention and exhibition at Toronto, Canada, January 23-24, 1907. JOHN H. DUNLOP, Toronto, Canada, president; ALBERT M. HERR, Lancaster, Pa., secretary.

THE AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

Annual convention at Toronto, Ont., 1907. BYRON D. WORTHEN, Manchester, N. H., president; F. L. MULFORD, Harrisburg, Pa., secretary.

AMERICAN PEONY SOCIETY.

Third annual meeting and exhibition at Ithaca, N. Y., 1907. C. W. WARD, Queens, N. Y., president; A. H. FEWKES, Newton Highlands, Mass., secretary.

Carnation Number Will Be Issued January 24. Send Your Adv. Now.

SUGGESTIONS FOR FLORISTS.

Seeds.

I notice in the advertising columns of our last few issues that the seed firms are offering the new crop of flower seeds. Don't hold your order until the last minute. Look over the advertisements and send for what you need. Have them ready at hand for sowing at the right time.

Verbenas, thunbergias, maurandias, Centaurea gymnocarpa, bellis, salvias can not be secured too early for the first sowing. Don't try your luck with a lot of old seed that has been lying a whole year on some shelf. The cost of the seeds you now buy is so small that it does not pay to sow old seeds.

Begonia Vernon should be sown at once. A little package goes a long way. You may not have had any last year and you probably had call for them, so have a few hundred plants this season. If you don't sell them, bed them out yourself.

How about your pansies? You can still put in some seeds which will make nice plants if not stunted by not being transplanted when ready or by neglect in watering.

Hybrid Perpetual Roses.

Hybrids intended for Easter should for the present be kept at a temperature of 40°. They will make roots now and will be ready by the end of the month to stand more heat. Don't leave too much wood on the plants. So often one sees at Easter plants which, while they may have beautiful tops, show 18 inches of bare stems below. If you cut the heavy wood of last year's growth back to three eyes, and the lighter to two and one, the plants will be about right. Don't neglect to syringe them; they need it every day while under glass.

Spireas.

Plants for Easter blooming are still under the benches, and they may be left there for some time; but see to it that they are removed as soon as they commence to make growth. The way to force this plant successfully is to remember that it lives practically on water during this process, so don't neglect to give it plenty. The grower should be particular also about fumigating, as the spireas do not like much smoke. Cover the plants with thin cloth or paper when you fumigate the house they are in.

Hydrangeas.

Don't crowd the plants that you wish to have in bloom for Easter. Give them plenty of bench room. Let them come along slowly now and increase the temperature towards the end of the month. Forty-five degrees is all they require now and 60° later on. As soon as the plants begin to grow they will need a lot of water, yet it should be seen to that no water is allowed to stand in the pots, for if this occurs yellow leaves will be the result in a few days.

Azaleas.

It takes a few minutes to go over your azaleas once a week to remove that young growth, which from this time forward appears below the buds. Keep the plants intended for Easter at 40° to 45°. There are always some more advanced than others, but let them come along as they will; no doubt there will be call for them right along now. If you have azaleas left over from Christmas remove the old flowers and place the plants in a light cool house. If not neglected they will make good plants for next year.

Cytisus.

Many of us know this plant better under the name of genista. It is very beautiful when loaded down with its golden flowers, and while it does not make a good house plant, many are sold at Easter. The cytisuses are of the easiest culture, and while it is too early to make cuttings, I will remind those who have plants intended for Easter to keep them in a 40° house. Place them, if you find they are backward, in a higher temperature by March 10, but most likely they will come in all right without any forcing.

Metrosideros.

The more varieties of plants you have to offer at Easter the better, for there

are always customers wishing something new. One of the plants which is just a little out of the ordinary is the bottle brush (metrosideros). Most of the plants seen at Easter come from Holland or Belgium. We can grow them just as well here, but as long as there is only a small number of them used it is cheaper to import them with your regular importation of other stock. Should you have plants on hand you can let them come along in a 45° temperature until February; increase the temperature during that month to 65° and you will have them in bloom for your Easter trade.

Deutzias.

A well grown deutzia always makes a good selling plant for Easter, and, while it is yet too early to begin hurrying the plants into bloom for that festival, it is well to say a few words about it now. The second week in February will be time enough to start them from their resting place. While they will stand any amount of heat if watered and syringed properly, they will be better in every way if allowed to come along in a 55° temperature. There are several deutzias, all beautiful, that can be successfully forced, but the best known and most used for this purpose is D. gracilis. It has been forced by our grandfathers, and it will take a good novelty to make us discard it.

Bedding Season Preparations.

While we cannot neglect anything that ought to be done now in order to be in good shape with a stock of plants and cut flowers for Easter, each coming day will bring new duties to perform toward getting ready for the bedding season. As the past Christmas season was the best we've ever had, so may we expect the coming Easter to be ahead of those preceding, and a greater demand for bedding plants at better prices will be the outlook for the spring of 1907. Better grown plants will bring higher prices than ever before and the grower who produces cheap plants will only be able to sell them when the good stock is completely sold out.

Dahlias.

If you have only a few field grown clumps of a certain sort that you wish to propagate, you may get ready now to start the tubers. Plant them in a warm place and you will soon have cuttings ready for the bench; these will root early and make fine plants for this summer's blooming. To those varieties of which you have sufficient stock, nothing need be done but to keep them dry under the benches, as otherwise they will be covered with young growth in a few weeks. Don't delay in ordering stock of such varieties as you intend adding to your list. You will not buy them any cheaper later on.

Cannas.

Have you looked at your cannas lately? If not, you should do so at once. If they have been standing under some carnation bench as you brought them in last fall, and have been protected against too much drip, it will not hurt to spray them a little. The roots can be started in a few days, but it is still rather early. Should you be short of certain varieties, this is the time to buy. Don't wait until all the best varieties and strongest plants are sold.

FLORISTS' FORCING BULBS AND ROOTS.

Copyright 1906 by the American Florist Company.

X.—Spireas.

The Japanese spirea has been known and grown by gardeners for generations. It easily won and firmly held a prominent place among hardy plants eminently fitted for indoor culture. Its merits rest upon its adaptibility for pot culture and forcing, its free flowering and long lasting qualities, the ease with which it is grown and in its utter freedom from insests or disease of any kind. As a market plant for an early spring and holiday trade it is much favored by growers and buyers, and its fine trusses of milk-white, feathery bloom are most serviceable as a chaste and durable cut material.

There are several varieties in this class of spirea, or astilbe, as perhaps now more aptly named. The old, well favored Astilbe Japonica, however, has so far not lost perceptibly in prestige by the constant introduction of newer varieties. It still holds its own as a splendid sort for forcing and as a great producer of fine, evenly flowered sprays. Its sub-variety, A. Japonica compacta multiflora, is a compact, dwarf, very bushy plant, excellent as a well grown pot specimen with flower trusses less numerous but much larger than those produced by the original type.

There are also several distinct forms of A. Japonica with varigated foliage, of which aurea reticulata is probably the finest and well worth a place in any greenhouse or conservatory. The freest flowering but by no means the prettiest of the newer sorts is astilboides floribunda. It is good for cutting, the flowers being long-stemmed and of a purer white than those of most other varieties, though a trifle slower in opening. Perhaps the finest of the newly introduced varieties is Gladstone, which has met with freely extended favor from all commercial growers who have tried it. The flowers are of a fine white and are most freely produced, and the plants, although forming densely set, well rounded bushes, do not lack the elements of grace and elegance, at least they are iess rigidly stiff in appearance than most other sorts.

The culture of spireas is exceedingly simple. When the plants, usually good sized clumps with a firm ball of roots, arrive in November, they should be plunged in a frame and be covered with straw, hay or some such material, which will prevent a solidifying of the whole mass by frost, most awkward when the plants are to be brought in. They could also be potted up immediately after their arrival and then be placed in frames and covered, but very little is gained thereby.

If spireas are potted up and placed in a temperature of from 50° to 55° in the first half of February, they will be in fine shape for Easter, generally needing but little pushing or holding back to have them just right for that holiday, whether early or late. The grower can figure on a week or two less than three months from start to finish. Forcing spireas for the late plant trade will take little more than two months, for the later forcing begins, the faster will be the process.

It is well to expose the plants, before potting them up, to a night's good freezing, by laying them out in the cold. They should then be dipped in water and be put in pots not much larger than the ball of roots. When they have made a start, water must be given and be increased in quantity from day to day as growth progresses. When drawing near the finishing stage a feeding with liquid manure will prove helpful. Tobacco fumigation will ruin the foliage of indoor grown spireas and they should therefore never be exposed to it.

XI.—Gladioli.

The many varieties of gladioli, as offered at the present time, show a marvelous improvement over any of the sorts grown in years gone by. Entirely new types originated in recent years, unique forms and rare shades were called into existence and hybrids of wonderful beauty have been introduced by specialists, whose zeal and tireless labors have awakened a wide-spread interest in this charming and most useful class of flowering bulbs.

Gladioli now are an all-important item with commercial florists. Extensive cultivation of the finest and most desirable market sorts has proven a source of considerable profit to growers of high grade cut material in late years. From a side line of little consequence the growing of gladioli as florists' stock has evolved into a feature of some importance, gaining steadily in extent. As an all-summer crop in the open, or a

NEW RANGE OF BERTERMANN BROS'., INDIANAPOLIS, IND.

highly prized indoor product for early spring, gladioli never fail to do well, their culture being the easiest and most simple of anything grown by florists.

Several crops of bloom in succession may be had outdoors from early in the season until late fall by making a planting every week or two from about the middle of April until the end of June. Although gladioli can be grown in almost any kind of soil and situation, they gratefully respond to good culture, and exceptionally fine spikes are cut from bulbs planted in well exposed, liberally enriched and deeply plowed garden land.

CARNATIONS AT BERTERMANN BROS'., INDIANAPOLIS, IND.

The bulbs should be laid three inches below the surface of the soil, about six inches apart in rows with space enough between rows, double rows or narrow beds to afford the needed room for cultivation and cutting. Gladioli may also to advantage be raised among other crops or on beds and borders stocked with other plants, but separate, thorough culture will give best results. In the fall the bulbs are dug up, spread out to dry and are then stored away for the winter in any cold place where moisture and frost cannot reach them.

Some of the varieties of gladioli, and all of them, are excellent for indoor forcing. Well known sorts, most tractable and easily managed, are Peach Blossom, Pink Perfection, Colvillei alba, rosea and rubra, Crimson Queen and Blushing Bride. The latter variety, belonging to the light shades, of which the Bride, or G. Colvillei alba, is the leading pure white, can be had in bloom earlier than any other sort, sometimes at Easter should luck favor the grower. There is no difficulty in the raising of fine blooms for a ready demand in May and June and up to the time when outdoor gladioli begin to flower.

The bulbs may successfully be grown as a between-crop among carnations, snapdragons, mignonette and the like, but usually bring spikes of greater substance and brighter color when planted by themselves either in well lighted benches or in deep trays, which latter allow of their being moved about on benches or shelves as deemed advisable. A good grade of composted soil should be used in growing gladioli under glass. Plenty of water and light, a moderate temperature, staking and tying if necessary and a feeding with liquid fertilizer, when fairly started and well supplied with roots, will lead up to a harvest of finely colored and large flowered spikes. When room in the houses becomes scarce in late spring, the flats of gladioli can be removed to some sheltered frame outdoors.

E.

WITH THE GROWERS

Bertermann Bros Co., Indianapolis.

The illustrations show a partial outside and inside view of the new range of Bertermann Bros. Co. of Indianapolis. The houses are situated on the firm's 100-acre farm on National road, seven miles east of the city. Although new and of the best of material and workmanship the houses are not constructed after the latest pattern. When it comes to building, John Bertermann has ideas of his own, and in many important details of construction he prefers the older style. As the stock is up to the top notch of perfection he certainly has the best of the argument.

The houses are 250 feet long and about 25 feet wide, each accommodating three five foot benches and four walks. They have wooden gutters, supported seven feet six inches above the ground by 4-inch cedar posts. The roof consists of 2-inch bars, 12 inches apart, continuous ventilation on one side of ridge, wooden purlins resting on 2-inch pipe supports and 12x16 single strength glass. The benches are built of pecky cypress for six inches of soil, with return pipes underneath. The heating apparatus and the waterworks are the latest out. The range is heated by steam, the boilers above ground, in a roomy, airy, light and dry house, with Morehead traps to return condensation. The waterworks consist of a 15,000 gallon tank on a 52-foot steel tower, four h. p. gasoline engine and a 4-inch well down to the limestone.

The third illustration shows a bench in one of the houses of the old range, with Spirea Gladstone ready for Christmas and poinsettias in the background. Enough of the latter are in the picture to show that the Bertermanns know how to keep them from losing their leaves.

J.

European Notes.

The Roosevelt pear is one of the novelties of Baltet, of France. It is described as being of large size and excellent quality, maturing in October.

E. H. Wilson, who returned to England from China last year, after several years' engagement with James Veitch & Sons, Ltd., London, as plant collector, sailed again on December 5 to resume plant collecting in China under the auspices of Prof. Sargent, of the Arnold Arboretum, Boston, Mass.

Edinburgh seed trade assistants dined recently under the presidency of D. W. Thomson, seed merchant, and made merry o'er the haggis and other "soncy fare" followed by an excellent programme of toasts and musical selections. Dublin assistants fraternized at a similar function with A. J. Sinclair (Hogg & Robertson) in the chair.

The event of the week in London was

SPIREA GLADSTONE AND POINSETTIAS AT BERTERMANN BROS'., INDIANAPOLIS.

the Smithfield show of fat cattle in the Agricultural hall at which his majesty the king was a leading prize winner. Seedsmen were in evidence from all corners of the kingdom. The farmers had much to interest them in the fine examples of mangels, swedes, carrots, cabbages, potatoes, etc., arranged in imposing pyramidal and other forms, surrounded by sacks of peas, beans, oats, wheat, barley, etc., from Sutton & Sons, Reading, J. Carter & Co., London, E. Webb & Sons, Wordsley, Harrison & Sons, Leicester, E. W. King & Co., Coggeshall, and John K. King & Sons, Coggeshall, all prominent seed growers and merchants.

The National Potato Society held its annual exhibition on December 14 and 15, but alas, enthusiasm in the exhibition seems to have perished with the boom which we experienced two or three years ago when novelties were selling for their weight in gold. Seed merchants rejoice in the fact that the inflated prices are now in oblivion and normal prices again rule. A few good tubers were on view but the number of exhibitors and exhibits were a long way behind previous years. Unfortunately potato disease is rampant and farmers and seed potato merchants are much concerned.

The annual show of market chrysanthemums held in London on December 12 was a grand success. Prizes are competed for by market growers only and all plants and blooms exhibited are such as are offered for sale in Covent Garden. The judges are Covent Garden salesmen who give the awards from a salesman's point of view. In some classes the prizes are for the best packed boxes of blooms for market, in others for market bunches, flowers disbudded and undisbudded, cut blooms in vases, plants in 5-inch and 6-inch pots, etc., also for novelties useful for market work. Very few of the latter were in evidence. The plants in pots from Butler Bros. were marvels of cultural skill, dwarf plants in 5-inch and 6-inch pots carrying six or more blooms, charming miniatures for decorative work. The principal prize takers for cut blooms included some of our best known growers who are regularly in Covent Garden with the same class of blooms as exhibited, all highly creditable and reckoned the cream of the market, such as Philip Ladds & Son, Swanley, Cragg, Harrison & Cragg, Heston, Butler Bros., Bexley Heath, and G. Prichett, Tottenham, one of the oldest growers and one of the original members of the National Chrysanthemum Society.

BEE.

AMERICAN BEAUTY ROSES AT POEHLMANN BROS., MORTON GROVE, ILL.

Two-year-old stock planted in August, photographed in October.

THE ROSE.

Notes in Season.

No time should be lost in propagating roses for next season's stock. If only one batch is to be struck it should be done now. In the whole process of rose growing the "Do it now" idea is one of the most important factors. By this I mean, if roses need feed give it to them at once before they suffer; if they need tying up then tie them before they become damaged. If you view this as a business proposition you will find that it costs a little more to get things done up to date to start with, but that it costs really less to keep them up to date than to keep them 30 days behind, and you know from experience that the former method is likely to add to the profit from the crop. So I say start with that idea in mind. Root rose cuttings now.

In making the cuttings use only the best and healthiest wood. If you cannot get sufficient good wood, or if the parent stock is not healthy enough to make good cuttings, do not make a bad matter worse by using the poor stuff. Buy what you need from some reliable grower. Many growers make a business of changing their stock as soon as it falls below standard. Start right. If you buy cuttings buy good ones. If you propagate your own, propagate good ones.

So much has been said in these columns from time to time about the best methods of propagating that I will not dwell on the subject at this time. However, it will not be amiss to say that I believe many of the failures in rooting rose cuttings are caused by insufficient watering during the first two weeks they are in the sand. Don't be afraid to give them a good watering every day, provided you have good drainage. Many a fine batch of American Beauty has been lost by insufficient watering. We used to shade our propagating benches with paper laid directly on the cuttings. But lately we have been using a better method. We make light wooden frames the width of the bench and a convenient length to handle and cover them with muslin. These frames when in use are elevated from three to six inches above the cuttings. As soon as the cuttings begin to root, which is usually in about three weeks, the shades can be dispensed with.

The dark, sunless days we have experienced during the last six weeks have been anything but encouraging to the rose grower. Care must be taken to keep other conditions as much in harmony with this kind of weather as possible. The temperature must not be allowed to run too high, or soft spindly growth will result. When the temperature outdoors is higher than 40° it will pay to have a little ventilation day and night. Below this it is a question whether or not you can afford the extra fuel it will take. Remember, the more ventilation the better. While you may consider it too expensive to ventilate much in cold weather, do not neglect the opportunity when it is warmer and does not cost so much.

Then there is the possibility of overwatering. The plants do not need and will not stand much water these short dark days, but those that are doing

PERLE DES JARDINS ROSES AT PETER REINBERG'S, CHICAGO.

nicely and growing well now will be benefited by a top dressing of cow manure. If cow manure is not obtainable good, rotten stable manure will do. Keep the plants tied up and all the dead leaves picked off. Tidiness and cleanliness are important factors in good rose growing.

If there is grafting to be done no time should be lost in getting the manetti stocks potted, well watered and in a cool house, slightly shaded from the sun until they start to break. Do not allow the stocks to get dry. You will find that they will break better and stronger if the tops are sprinkled about three times a day. In my next notes I will have more to say about grafting.

W. W. COLES.

Cultural Notes.

The application of some otherwise excellent fertilizers leaves a scaly deposit on the soil of the rose benches, rendering the surface impervious to air and being injurious to the health of the plants for this reason. As fertilizers are freely applied late in the year with a view to securing extra quantities of and quality in the flowers at Christmas there may be many benches in this condition now. Where they are, allow them to get a little on the dry side and prick the surface over lightly, breaking the crust. Avoid more injury than necessary to any surface roots that may be present, but break the crust, so that air and moisture will pass freely. A thin top dressing of soil will be an advantage afterwards if roots are at all freely discovered, but not otherwise. If ap plied, give a light watering to settle it and the disturbed roots.

With a view to cutting long stems, the plants of the tea scented varieties are often somewhat ruthlessly cut, some even going so far as not to leave any eyes past the point where the plants were pinched or cut back to in October. Needless to say this is a great strain on the plants, especially when a heavy cut has been taken, as is usual at holiday times. Many plants are so checked by this that they fail to start into growth again and a serious loss to the spring cut is caused. With a hazy idea of remedying matters some growers go to work and water heavily and continuously, but this only makes matters worse by still further checking the roots. The proper thing to do is to watch the plants narrowly, keeping the roots a little on the dry side, but spraying them as frequently as weather circumstances will allow. Under these conditions the roots will have a chance to make good and this root action will soon be further strengthened by the formation of healthy young wood. When this attains a few inches in length the correct balance between root and branch is again set up and with the increasing light of the lengthening days they will be safe. It is easy to overdo the spraying now, especially with plants carrying a fairly heavy head of foliage. Never spray at all when the weather is dull.

There may be cases in which it is advisable to rest certain benches or portions of benches now, and the check given by the heavy cuts of the last few weeks predisposes the plants to a restful state. But in a general way the grower will prefer to take another couple of crops from his plants before the heat of summer comes on, then to cut them out and replant or else prune them back to be carried over for autumn flowering. In the latter case a slight rise of temperature is advisable now, but 62° to 64° is sufficient, ventilating at the latter figure. Richmond does not so easily recover from a check to growth as does Bride, Bridesmaid, Chatenay and Killarney but a lot depends upon the previous health of the plants. If this has been good they will quickly recover; if they were weak before hand they will be longer in recuperating. As the young shoots develop any small and useless spray may be cut out, but the knife or secateurs must be only moderately used as yet. Keep in mind too the need of young wood for propagating and don't cut this away.

The ordinary wood bench with brick bottom is as good as any for propagating from cuttings. Prepare this by placing about 3½ inches of sand in which to insert the cuttings. Some growers use less sand but this is a good medium. The best kind of wood to use for cuttings is semi-ripened shoots that have not borne flowers. Heavy pithy shoots and hard well ripened wood are both useless for cuttings. Short jointed wood is best, especially when treating American Beauty and other roses having a considerable distance between the leaves. They may be cut from four to five inches in length about half of this being buried in the sand. Arrange if possible to have the bottom heat in the sand a little higher than the temperature of the house, 62° and 58° being the limit in each case. Keep up a moist atmosphere, shade from bright sunshine and never allow the sand to dry. The cuttings will be sufficiently rooted for potting in about four or five weeks. If grafting is to be gone into early place the manettis in a cool house at once and lightly syringe them daily when the weather is bright. They are in fit condition for use as stocks when a few inches of growth has been made. If pot plants of hybrid perpetuals are to be grown on from imported plants lose no time now in getting them cut back and potted, keeping them for the present, in quite a cool and airy house.

G.

PAUL NIEHOFF'S NEW PINK ROSE AURORA.

The New Rose Aurora.

The new pink rose Aurora is said to be the result of a cross between Bon Silene and Souv. du Pres. Carnot, and it has inherited the free flowering qualities of the former and the strong growing habit of the latter. The flowers are large and full and are produced on strong and stiff stems, with a rich dark green foliage. The color is a beautiful dark pink and wherever shown attracted much attention. The keeping quality of the flowers is excellent. Aurora is easy to grow and does not need a high temperature.

Best Grafted Roses.

ED. AMERICAN FLORIST:—

Please advise me what forcing roses do best when grafted. X.

Bride, Bridesmaid, Golden Gate, Chatenay, Killarney, Richmond and Kaiserin do well grafted, and I very much prefer American Beauty grafted if the soil is rather light. E.

THE CARNATION.

Split Carnation Flowers.

Improved methods in growing carnations and the introduction of improved varieties, though having made great progress in the last decade or two, have not as yet mitigated to any great degree the provoking habit of the divine flower of producing a large percentage of malformed blooms, commonly termed splits. How to mend these flowers so as to enable the dealer to obtain as high a price for them as possible has no doubt engaged the best thought of not a few carnation specialists. Split carnations are a product of every carnation growing establishment which we are safe to say will be with us for some years to come at least, and what careful cultural methods fail to accomplish while the blooms are developing on the plants must be provided for after they are cut.

As yet but little progress has been made in the introduction of appliances calculated to turn these flowers into a product worthy of recognition in commerce or on exhibition tables. The clumsy method of applying a rubber band around the calyx is about the best we have found in this line, but at its best leaves room for serious objection. The flower buyer, upon detecting these bands around the flowers, very naturally jumps to the conclusion that they are old and ready to fall to pieces, that he has been buncoed, and that the sole object of placing the bands around them was the averting of the possibility of the disaster mentioned. What else would he think? Would not we think the same as he does were we not familiar with the facts? It remains for us, then, to find some means of fastening the calyx and petals in their natural position, that is either entirely invisible, or if detected leaves no room for any objection. A little device, recently invented, and upon which a patent has been applied for by the inventor, A. J. Baur, of this city, we believe gives us something that not only does the work required of it to perfection, but is practically invisible and leaves no possible room for objection from even the most particular customer; for instead of passing around or through the flower, the little wire clip used serves simply to hold together the broken edges of the split calyx, holding it in its natural position and bringing the petals into exactly the position that they would have occupied had the calyx not been split. So well is this accomplished that the flowers, after being thus mended, have been regularly sold with the highest grade at the highest price of fancy blooms, and thus far not a single objection has been heard.

The accompanying illustrations give a good idea of the work done by the device mentioned. The first two illustrations are from photos as nearly true to life as an expert photographer was able to make them. They were taken from the same flower of Mrs. Thos. W. Lawson, before and after mending. The small portion of the clip used to mend the break that shows outside the calyx may be seen in the illustration if carefully looked for. No effort was made to conceal anything in taking and finishing the pictures, the photographer being instructed to bring out the details as nearly true to life as possible. The wire clip, being made of galvanized wire, is almost absolutely invisible against the color of carnation foliage. In the illustration showing the mended flower a slight malformation may be seen in the arrangement of the petals. This is due to the difficulty of having been compelled to put on the clip with a common pair of pinchers, the brass model being in the hands of the manufacturer at the time of taking the pictures. One of the guard petals was destroyed in the operation, giving a portion of the flower an empty appearance. The third picture shows the pinchers that are used in applying the clips. It was taken from a wooden model, for the same reason as that above mentioned—that the brass model was in the hands of the manufacturer. It was not possible to show the smaller details in the instrument on this account, but the pictures give a good idea of the general construction of the pinchers. The jaws are shaped so that the wire clips can be easily and quickly picked up. The front end of the pinchers is provided with two prongs, by means of which the stray petals are pushed up into their natural position with one movement, the act of catching the two broken edges of the calyx and pressing down the teeth of the clip completes the operation—all done in much less time than it takes to tell it. The fourth illustration shows the exact shape and size of the wire clip and how much of it is visible after being applied to the flower. The clip used at present and shown in the second picture is made of No. 22 wire, but a smaller size will be used in the manufacture of those that will be offered for sale, namely, No. 25.

Maxfield & Dimond's Artificial Carnation Calyx.

The inventor anticipated a great demand for the device, and with that in view has given a large order for its manufacture. He will be at the convention of the American Carnation Society to be held at Toronto this month, where his invention and the work done by it will pass under the critical scrutiny of the foremost carnation men of the country, and he expects soon thereafter to have the article ready to offer to the trade. BAUR FLORAL CO.

Artificial Carnation Calyx.

The illustration herewith shows an artificial carnation calyx which is being offered by Maxfield & Dimond, Warren, R. I. The manufacturers claim that this has been thoroughly tested and meets the needs of the growers, adding that men who are willing to consume time, energy and capital in raising split carnations are daily decreasing in number and that it is merely a question of time that its use will be universal. The manufacturers make the following claims for this device:

1.—It is simple to apply and remove. The grower can select the buds which are liable to split and apply the calyx, thus enabling him to harvest his entire crop.

2.—It is constructed of spring brass which will last forever, the first cost the only cost.

3.—It is capable of repeated use during the same season and as a business proposition the grower can not afford to be without it.

DIRECTIONS.

Apply the artificial calyx to the bud in the following manner: Place the calyx around the stem and lock, then push upward until the flexible arms embrace the calyx as shown in cut.

[We have examined this artificial calyx and consider it the simplest and most feasible device of this character that we have seen. ED.]

The American Carnation Society.

President Dunlop has authorized me to announce through the trade papers that exhibits for the show to be held in Toronto, Ont., January 23 and 24, will have to be staged by 2 p. m. January 23 instead of 1 p. m. as announced in the premium list. This addition of one hour to the time for staging was thought advisable on account of the fact that some of the trains do not get in until 10:30 a. m. and if they should be a bit late it would not give exhibitors time to get their flowers staged by 1 p. m. Kindly remember that entries are to reach the secretary not later than Wednesday, January 16. Entries made at the show cost $1 each and if they do not reach here before January 16 there is danger of their coming in after I have left for Toronto.

ALBERT M. HERR, Sec'y.

LABELS FOR EXHIBITS.

Toronto, January 9.—Those who intend to exhibit at the coming carnation show should use on their shipments the special labels provided by the society, which can be had on application to Secretary Albert M. Herr, Lancaster, Pa. Arrangements have been made whereby the Canadian customs officials will recognize these labels and prevent delay.

PALMS AND FERNS.

Looking Backward.

At the beginning of a new year a retrospective glance at the conditions that have been experienced during the past season, in the department of foliage plants, may not be entirely without interest. In the first place it may safely be said that the stock offered by the wholesale growers during 1906 has in general been of the best grade that has thus far been presented by the American trade. This is a logical result, from the fact that the plant buying public becomes more alive to its own requirements from year to year, with the natural consequence that the growers must either keep up with the procession, or rather lead it, or else step out and make place for someone more progressive.

There is still, and doubtless there always will be, a certain class that demands cheap plants, on much the same principle that it insists on having cheap food, regardless of its quality, and such a class has its uses in disposing of the remnants of stock, but the majority of plant buyers grow more discriminating as they gain experience. This is proved by the fact that well grown plants seldom fail to bring a fair price, and that in many instances the question of price does not enter into the transaction to nearly the same degree as the question of good finish and general good quality. The business prosperity of our country naturally influences the florists' trade to a marked degree, for, unless the general public feels that prosperity, it is not likely to go out of its way to hunt for luxuries such as are dispensed by the florists. The extreme values placed upon cut flowers during the past holiday season have also been productive of some good to the plant growers, a frequently recurring condition that is anticipated by the preparation of large stocks of plants for these special occasions. The Christmas reports published in the trade journals have brought several crumbs of comfort to the plant men, for they find that in many cities there is a strong demand for their wares, both in the form of flowering plants and those prized for foliage alone.

But to return to foliage plants, and to palms and ferns in particular: there is one condition that always confronts us, namely, the lack of novelty; this is a problem that comes up every season. There seems to be a perennial outgrowth of sports from the Boston fern, many of which are very beautiful, and some of which have proved to be very profitable to their introducers and growers, but still they all belong to one family, and soon become common on account of their ready propagation. Dicksonia Schiedei, better known as Cibotium Schiedei, has been brought forward to a much greater extent during the past five years than formerly and has proved its value as a house plant, but is not at all likely to become a rival to the various nephrolepises, as it is less easily produced in quantity and requires considerable space for its proper development. This fine plant finds another use in the hands of a floral artist, the fronds being cut and used for a backing in certain floral arrangements, but the fronds that are used in this manner should be thoroughly developed and well hardened to ensure their durability. The use of Adiantum Farleyense has much increased and larger stocks of well grown plants of various sizes have been presented in various parts of the country during the past year. This is doubtless the aristocrat of ferns among the trade growers, and while it is naturally of a perishable character, yet its keeping qualities are much improved by careful handling.

BAUR'S CARNATION MENDER.

The Bird's Nest fern, Asplenium Nidus-Avis, has been offered in very well grown young plants in four, five, and six inch pots in quantity, at quite moderate prices, its singular, pale green, simple leaves attracting much attention and arousing some doubts in the minds of those unfamiliar with the plant, when informed that it really is a fern. But it is questionable whether this will ever become one of the everyday ferns for the trade. Among the small ferns for filling pans little novelty has been noted; half a dozen varieties of pteris, a few nephrodiums, some cyrtomiums and adiantums, and the list of most growers is completed. A novelty that is not yet in general circulation is a nicely crested form of Nephrodium or Aspidium Tsussimense that has appeared in Boston, the plant being apparently as good in form and growth as the type, but having each frond nicely crested. This variety comes true from spores and seems to be a most promising addition to the fern list, its parent being one of the best.

Regarding the experience of the season in the palm trade, it may be said that the demand seemed to be for kentias, then for more kentias, and finally for a few kentias for the sake of variety. Perhaps that statement ought to be modified to some extent by saying that the customers bought kentias in various sizes, and then added a few other palms for variety. Then there was a little scare as to a possible shortage of seed for succeeding seasons, and also about a probable shortage of certain sizes of plants, and the bulls made a raid on the market, but after all the prices did not soar to any marked extent, and the market was fairly well supplied. There was some stiffening of prices, but not enough for any grower to retire upon his season's profits, nor was it enough to work any hardship to the retail dealer. A considerable quantity of large kentias was imported, and used largely for decorative purposes, it having been found more profitable in most cases to import these extra large sizes than to grow them here, for such plants occupy much space and time in their preparation, and are less remunerative to the grower than those of smaller size. The supposed protection of a 25 per cent duty on imported palms will not make a prospective buyer wait until American palms reach the size he requires, and if he is unable to find the plants he needs on this side of the ocean it will not take him long to get a ticket for London or Antwerp. As already noted, there were some palms besides kentias sold, latanias of moderate size selling fairly well if shapely and in good condition, but large latanias are not a good investment to the grower, the demand being small for such.

Areca lutescens is grown in less quantity, but still sells in moderate sizes, there having been a rather small stock in sight of plants of this species in 8-inch or 9-inch pots. They were consequently more in demand. Cocos seems to have been in sufficient supply, with no particular change in prices, plants in 2½-

inch to 4-inch pots being most needed. About the only novelty offered in fair quantity was the dwarf phœnix, P. Rœbelenii, and for this beautiful little palm there may be a future in the trade, though phœnix in general is comparatively slow in reaching salable form, and is therefore not looked upon as a breadwinner for the palm grower. Of other species of phœnix, there is little to be said, there being but small call for any except P. canariensis and this is far from satisfactory unless properly prepared for export by the European growers. Such palms as chamærops, corypha, rhapis, caryota, seaforthia and ptychosperma are seldom inquired for now, and last year was no exception to the rule. On the whole it may be said that last year was one of fair success for the plant grower, not one of excessive profits, for there are constantly increasing expenses to be reckoned with, but one that presents encouragement for the future.

W. H. TAPLIN.

PEOPLE WE KNOW.

Antoine Wintzer.

Antoine Wintzer's father emigrated to America in the year 1854. He brought with him all his family except the oldest son, who was then an active participant in the Crimean war. His father was a gardener and soon obtained a good position after landing in New York. Antoine was six years old when they arrived, and between the years of 1854 and 1862 he attended the public schools, most of the time at Flushing, New York, where his father had moved in 1857. In March, 1862, when he was 15 years old he entered the Parsons establishment as an apprentice. At this time the Parsons were the largest growers of nursery stock in America.

Antoine Wintzer inherited a genius for finding out the requirements of plant life, and under the skilful tuition of J. R. Trumpy, he rapidly acquired the practical features of growing grapes and roses, but after spending two years at Parsons' he became dissatisfied, because the line of work they kept him at was too narrow. So he left Parsons and engaged with Eugene Bauman, one of the most prominent landscape gardeners in the east.

His idea was to learn landscape work, but Mr. Bauman, who had now settled at Rahway, N. J., found that Mr. Wintzer was such a skilful propagator that he gave him full charge of the one greenhouse that he then owned. He allowed Mr. Wintzer to experiment with different methods of propagation and it was here that the latter reached settled conclusions in certain lines, especially the propagation of hardy shrubbery, and he still feels that his experience with Mr. Bauman has been a most valuable asset in his life work.

At Rahway Mr. Wintzer contracted malaria, and left his position with Mr. Bauman to recuperate at his father's home in Flushing. After regaining his health Mr. Wintzer engaged with Mahlon Moon, at Morrisville, Pa., as propagator of evergreens, roses, etc., but his stay here was a short one, he being again threatened with an attack of malaria. From Morrisville he went to Sewickley, Pa., and engaged with James Wardrope, but his stay here was short as he again contracted malaria and left for home. He has most delightful recollections of his short sojourn at Wardrope's.

After recovering from the attack of malaria, he went to West Grove, Pa., and accepted a position with the Dingee & Conard Co. He arrived at West Grove on July 31, 1866, the anniversary of his wife's birth, so he says he cannot forget the date. On August 1 he commenced work. They had two small greenhouses, 10x80 feet each, at this time.

This company at that time was doing a general nursery business having over 300 acres devoted to the growing of fruit and ornamental trees, shrubbery, roses, etc., which they sold almost entirely through agents. This business proved to be unprofitable and it was Mr. Wintzer's ability as a propagator of roses that saved the company from being totally wrecked financially. The company perceived that there was an increasing demand for roses grown on their own roots and Mr. Wintzer was very successful in growing the roses, by a process which he claims was his own invention.

Antoine Wintzer.

At this time the roses were sold almost entirely as one year plants and shipped by mail to the purchaser. By advertising in a very few papers, enough customers were found to take all the roses they could grow in the few greenhouses that then comprised the plant. Other greenhouses were built and a catalogue published to help make sales, the business grew and prospered and most every year new greenhouses were added to the plant. This continued till the year 1892 when the greenhouses numbered 70. Mr. Wintzer's ability as a propagator was now fully established; he had produced fine healthy rose plants all these years and the number he could grow was only limited by the space at his command to grow them in.

Unfortunatedly in 1892, differences arose in the management of the Dingee & Conard Co. and the late Alfred F. Conard, who had always been president of the company withdrew, and a year later in 1893 Mr. Wintzer withdrew, leaving to others a business that had been reared upon his life work as a skillful, untiring and devoted grower of the Queen of flowers.

Mr. Wintzer had purchased a small farm about one mile from West Grove and had built thereon a commodious modern residence and in the fall of 1893 he erected two greenhouses. His business was continued with varying success and connections till the year of 1897. Mr. Wintzer was very anxious to enlarge the business and the late Alfred F. Conard, who had been associated with him for so many years previous to 1892, and S. Morris Jones, a business man of West Grove knowing Mr. Wintzer's great ability as a propagator, furnished him capital to organize the Conard & Jones Company.

The new company purchased from Mr. Wintzer 35 acres of ground and his greenhouse plant, which had grown to seven greenhouses. That year the company erected seven more greenhouses, an up-to-date packing house, a large boiler room, coal bins, and a frost proof house for storing dormant plants. The plant has been largely increased in size so that now the company ranks among the largest in this line of business in America.

The firm issues a catalogue of pages, roses having first place, and in connection therewith shrubbery, cannas, bedding and decorative plants, flower seeds and bulbs. In 1893, when Mr. Wintzer started business on his own account, he commenced a careful methodical line of work to improve the canna. In this he has been successful beyond his most sanguine expectation, but most deservedly so, for no one who has not followed him in it can imagine the amount of work or the time required to develope a shade of color when there is no parent of that shade to work with. It takes exceptionally good judgment on the part of the hybridzer to improve each succeeding year the feature in the plant or flower that he is trying to develop.

Mr. Wintzer has shown that he has this ability in a marked degree, and Mont Blanc, Buttercup, Betsy Ross, West Grove, Maiden's Blush, and other varieties that he has succeeded in originating, place him in the first rank if not at the head of canna producing experts. Mr. Wintzer at the age of 59 is still as hard a worker as ever; his health is good and we look forward to many more years of successful work from his hands and brain.

Above everything else Mr. Wintzer wants it to be understood that rose growing is his specialty; he wants the company that he is connected with to be recognized as second to no other concern in disseminating roses of the very best quality, and on their own roots, and he wants to live long enough to establish the fact that his method of propagating roses is the very best method that has yet been devised for producing roses of the highest grade and greatest vigor of growth. Mr. Wintzer is vice-president of the Conard & Jones Co. and has been general manager of the greenhouse department, ever since the company started in 1897.

THE RETAIL TRADE

Flowers at French Weddings.

The up-to-date French marriage is a much less pompous affair than the weddings of the last century. It is conducted, however, along well defined ceremonial lines from which nobody who pretends to be in the swim dreams of departing.

The obligations of the bridegroom begin the very day his proposal is accepted. He pays his first tribute to his betrothed in the "corbeille de fiancailles," or engagement bouquet. This is a great basket of pure white blossoms; lily of the valley, azaleas, white lilac, white roses and orchids are in order. The basket in which they are grouped is trimmed with lace. Some enthusiastic wooers spend as much as $500 on this first gift, but, according to a leading Parisian florist, $100 is nearer the average.

The floral obligations, however, are continuous. The same florist declares that it is obligatory on the engaged man to send a sheaf of lilies to his sweetheart at least every second day. She finds at her place the first time she dines with his parents a corsage bouquet, and on the occasion of the signing of the marriage contract the bridegroom provides one of white and pink flowers. On the day of the marriage proper, that is, the religious ceremony, he sends a basket of orange flowers garlanded with tulle. The bride provides the women who, in accordance with French custom at events which combine a religious and social character, take up the collection with purses decorated with flowers to match her corsage bouquet.

Table Decorations.

A recent writer comments as follows on table decorations: "Never at any time choose a luncheon table with entirely white decorations. If you choose white carnations and Roman hyacinths and ferns or graceful drooping white lilacs, at least have pink roses at each place, and pink candle shades and bonbons and icings on fancy cakes. If violets are used, or pansies, or purple iris, combine them with just the right shade of light blue for decoration; the blending of violet, and blue is very charming when well done. In the south or wherever the large violets grow well a violet luncheon can be given, with whole clumps of violets transferred to large deep dishes and platters, and bunches of cut violets tied with ribbons for every guest. At one large fete a table was wreathed with a border of violets. Of course, violets look best by daylight and not by artificial light, which makes them appear so dark."

A Floral Basket.

The illustration herewith was taken from a basket made by S. L. Harper, Tacoma, Wash. The height was 4½ feet and the flowers used were carnations, roses and lilies. The arrangement of the ribbons was altered a little by the photographer. This fine basket was to the order of the Olympia club for the funeral of one of its members.

A BASKET OF FLOWERS.
By S. F. Harper, Tacoma, Wash.

CHRYSANTHEMUMS

Cut Blooms for Various Purposes.

I notice in THE AMERICAN FLORIST of December 29 Gunnar Teilmann endorses some parts of my article on above subject and also asks a few questions, and makes some declarations which certainly deserve a reply. I did not see the French varieties shown at Chicago, which he refers to, but from the scoring of the judges they must have some points of merit, and we should be liberal enough to credit the grower for presenting them in such fine condition.

The discussion did not refer to novelties, but to standard sorts, as no variety can be condemned until fully tested. It was not the "is-to-bes," but the "has-beens" to which my remarks were directed. I think the American hybridizers have always competed against the foreign sorts and with the exception of 1905 and 1906 have been the most fortunate in receiving awards.

Mr. Teilmann evidently thinks it an easy task to originate new varieties and have them in reserve capable of defeating those from all quarters of the earth. Has he forgotten that Fidelity won first place in the seedling class at the St. Louis show in 1904? Has he forgotten that Golden Eagle (Dorner) was awarded the sweepstakes prize at Chicago in 1905? It is certainly unfair to accuse any of the American hybridizers of shrinking from their duty in this respect.

The niche one man occupies in this mighty universe is exceedingly small and it is preposterous to suppose his efforts will invariably be crowned over others. It is easy to make assertions but often difficult to sustain them.

With reference to the commercial value of our products of the past few years I have evidence enough to sustain their merit without endorsing them my-

self. I consider Mr. Teilmann fair-minded enough to admit the stock plants of the older sorts offered in the trade papers indicate the kinds grown the current year by the commercial men, at least, I believe we have no better index.

If he admits this he will find Minnie Bailey, Helen Frick, White Bonnaffon, Lavender Queen, Manrovia, Opah, Golden Age, Omega, Mrs. F. J. Taggart, Sunburst, Convention Hall, John Burton, and Intensity among those offered this season. All of these originated at Adrian, Mich., and have been sent out during the past six years. This list does not include our collection for 1906 which doubtless contains several others which could be included in this category.

Fortunately for myself, or unfortunately for Mr. Teilmann, I cannot boast of 13 fingers on one hand. Evidently his experience is not in accord with that of others.

As to Mr. Johnson's comments I have but little to offer, only I cannot agree with him as to the commercial value of Wm. Duckham and Mrs. Barkley. At least, I could not conscientiously recommend them to be grown in any quantity. The former is produced in magnificent style in a comparatively limited territory in the east but all through the middle and western states, as far as I have been able to observe, it is decidedly below the average. As to Mrs. Barkley, it is too difficult to manage in many ways. If this were not the case, someone would be growing it in quantity and we would occasionally notice favorable comments.

My remarks in the original article were confined to the commercial grower and for this reason could not include Guy Hamilton, Cheltoni, and Nellie Pockett. Such varieties as these have their place and will receive full consideration later when opportunity offers. It is not my purpose to decry any good variety or attempt to dictate what others shall grow, for full freedom in this matter is a prerogative to which every grower is entitled. The point set forth was that up to the present the foreign varieties, with a few exceptions, have not met the requirements of the growers, and I still believe this statement to be true.

ELMER D. SMITH.

The Best Chrysanthemums.

ED. AMERICAN FLORIST:—

What are the best three early and mid-season chrysanthemums, the colors to be white, yellow and pink?

BEGINNER.

Absolutely the best would perhaps be difficult to decide out of so many, but you will hardly do better than the following: Early—October Frost, white, Monrovia, yellow, and Rosiere, pink; mid-season—Major Bonnaffon, white, Col. Appleton, yellow, and Dr. Enguehard, pink. G.

PLAINVILLE, CONN.—The greenhouses and business carried on for some years by Mrs. Woodford have been leased by Daniel and Harry Tompkins. Harry has been manager for Mrs. Woodford for years, and Daniel hails from New York state. Both are young energetic men, and under their capable management the business ought to boom. The chrysanthemums in the houses are now very fine.

To Be Done Now.

IN THE GREENHOUSES.

Continue to remove any useless wood from the rose plants a little at a time, to prevent a chaotic condition of the growth later.

Propagate bedding lobelias freely. If cuttings are scarce sow seeds of a good reliable strain.

Keep the stock chrysanthemums cool, in an airy light house, if you wish to have good sturdy cuttings.

There are not many better ivy-leaved geraniums than the old Madame Crousse for filling baskets for verandas and window boxes. Propagate it.

Select the best plants of mignonette for saving seeds from and do not allow any flowers to be gathered from these for any other purpose.

A couple of short benches planted to white marguerites will enable you to clear out those that have been flowering all the winter, before they get dirty and produce poor flowers.

The older plants of poinsettias may be dried off somewhat more rapidly than younger ones and will produce cuttings earlier.

Decide at once what varieties and in what numbers, you are going to grow for the coming season. Make your plans and leave nothing to chance.

Better wait a little while than commence grafting roses on stocks that are not sufficiently forward for the purpose. Nothing is gained by undue haste.

Rest the beds of smilax a little that were cut down for the Christmas crop. It will start more freely and grow more quickly.

Keep all work well in hand and anticipate the needs of your plants. The busiest time of the year is not far distant, so be prepared.

IN THE STORE.

"Flowers are cheap today" was an invitation to hesitating customers we noted in a store window recently.

That cleaning up you put off until after the holiday rush was over is about due. Set about it right now.

A small leak will, unless stopped, sink the stoutest ship and small wastes in business matters will, if persisted in, cripple the best trade.

Phœnix Rœbelenii is a graceful and novel palm. Possibly it would suit that rather fastidious lady customer of yours.

Because you have Begonia Gloire de Lorraine for sale don't tell your customers it will last longer than an aspidistra.

Orchids are beautiful flowers when used properly, so that each one stands clear of its neighbor and looks out of the design at you. They are useless in bunched-up arrangements.

Always have fresh violets on hand if possible. Their chief value lies in their perfume which is never perfect in stale flowers.

OUTDOORS.

Rolling the lawn in very wet or frosty weather is worse than useless; it is injurious.

Any old piece of iron set up is better than no scraper for the boots, preventing the soil from being carried on to the walks and paths.

Have all badly drained borders turned up roughly and as deeply as convenient, in readiness for the drying winds of spring to do their work.

Keep hardy lily bulbs and herbaceous plant crowns well covered with cocoanut fibre, or some good non-conducting material, to prevent drying out.

Watch the crowns of Eremurus Himalaicus and if they start to grow protect them from frost.

Look over clematis and other pot stock in the cellar frequently and give a little water if the plants are shrivelling at all.

Get a good stock of boxes, hampers, stakes and all other necessaries ready for the shipping season. It is all the time coming nearer.

Fill up all holes and ruts in the roads with hard material, such as clinkers and waste building material.

Hardy Spireas.

The shrubby spireas give a succession of bloom from early in spring until September. They are of easy cultivation and are not at all particular as to soil. From their habits of blooming they can be conveniently classed in three sections. The first produces its blossoms in short or long stalked clusters, along the branches and these mostly bloom in early spring. The second produces flowers in pyramidal spikes at the ends of the branches, which in some species, are much compound. The third has flattish cone-shaped clusters of flowers also at the ends of the branches, and both these latter sections are mostly late blooming. A very large number of species and forms of spireas are mentioned in botanical works, but we will only note a few of the most desirable for cultivation.

S. arguta, occasionally given in foreign lists as S. multiflora arguta, is a most useful early flowering shrub. It blooms early in May, producing numerous small clusters of showy white flowers along the branches. It grows in time to a height of six feet and is a very good ornamental shrub even when out of bloom.

S. Thunbergii, which comes into bloom at the end of April, is one of the parents of the last named, but is not as hardy, or as good a flowering shrub with us, as the tips of the branches are frequently killed in winter. It is, however, a much more graceful shrub in mid-summer, when it makes its growth. The delicate olive green foliage, on the fine sprays of the drooping branches, makes it very attractive. The sprays have a graceful effect when mixed amongst certain cut flowers. The foliage assumes a fine color in the fall. During the past few years it has become liable to attacks of aphis in June, and these insects must be destroyed on sight.

S. prunifolia flora plena, the so-called bridal wreath, comes into bloom about the second week in May, and is a common inhabitant of many old gardens. It is a remarkably showy object at a distance but at a closer inspection the clusters of small, button like flowers, are not particularly attractive. When in good health it makes a fine ornamental bush six to nine feet tall, and has showy colored foliage in the fall. The typical, or single flowering form of this spirea is a rare inhabitant of gardens.

S. Pikowiensis (Syn. S. Nicoudierti) blooms about the middle of May, producing numerous clusters of showy white flowers along the branches, and

is quite attractive when in bloom. It is a somewhat thin habited shrub, from five to seven feet tall, and is not particularly attractive when not in bloom.

S. media (Syn. S. confusa) also flowers at the middle of May. The erect branches, thickly covered with the white flower clusters, are very showy. It forms quite a neat habited shrub in cultivation, about five to six feet tall. It is highly recommended by a prominent English nursery firm as an excellent shrub for forcing, but we have had no experience with it in that respect.

S. crenata comes into bloom about the third week in May and forms a neat, compact bush, seldom over two and one-half feet tall. In its habit of blooming, it might be taken for a dwarf. S. Van Houttei, but it is a perfectly distinct species in every respect. S. crenata is a rarer shrub in American nurseries now than it was 15 years ago, which seems a pity for it is a very desirable garden plant.

S. Van Houttei, which is without question the most useful and showy species in the genus, comes into flower at the end of May and is usually in good condition June 1 in western New York The gracefully drooping branches, bedecked with the numerous white flower clusters, render it exceedingly showy. It may be said when not in bloom to be the most characteristic of all the spireas.

S. Reevesii (Syn. S. lanceolata) is a most beautiful flowering shrub where it proves to be hardy. It is not of much account with us. If the lower branches are buried in snow most of the winter, they will flower freely at the end of May. We do not think it can be depended upon north of New Jersey.

S. bracteata (Syn. S. rotundifolia) comes into flower June 1, and the pure white umbels on longish stalks along the branches are very showy. The roundish deep bluish green leaves are persistent until late in the fall and it grows eight feet tall. It is an exceedingly handsome and characteristic shrub and seems to be one of the hardiest of the spireas.

S. Japonica (Syn. S. callosa) is a good type of the spireas that produce their blossoms in flattish clusters at the end of the branches. It comes in flower from the first to the middle of June and the pinkish red clusters are attractive. The brownish stems are usually about four feet tall. The unfolding leaves are a very attractive reddish purple color.

S. Bumalda, a very compact habited shrub, seldom over two and one-half feet tall, bears showy, pinkish red clusters at the ends of the branches at the middle of June. It can always be distinguished by scattered yellowish pink blotches on the leaves. If the flowers are removed when through blooming, it will produce numerous blossoms late in summer. Its variety, Anthony Waterer, with its bright red blossoms, seldom growing over one and one-half feet tall, is a most desirable little shrub.

S. Margaritae, a hybrid form, producing broad clusters of bright pink flowers at the end of June, is a very handsome and free flowering shrub.

S. albiflora (Syn. S. callosa alba) comes into bloom in July, and has white clusters produced terminally and laterally on the branches. It is an upright neat little shrub, seldom over one and one-half feet tall. It is somewhat tender and should be planted in a warm situation.

S. alba (Syn. S. salicifolia), a good type of those spireas that produce their flowers in pyramidal clusters at the ends of branches, comes into bloom at the end of June. When planted in damp soil it produces immense clusters of white blossoms.

S. Douglasi blooms in July, has dense spikes of pinkish red blossoms, and grows from four to six feet tall. The leaves are downy white beneath. S. Douglasi and S. alba should not be planted in association with very choice shrubs or plants, as they sucker badly, and if neglected soon choke the weaker growers.

S. Lenneana is a hybrid form of very vigorous growth, producing large compound spikes of pink flowers in July, and is much superior to one that is a good deal grown and sold in nurseries as S. Billardi, which has much smaller, pink clusters.

S. tomentosa is the latest of all to flower, the dense pink spikes coming into bloom at the end of July and throughout August. The leaves are densely downy beneath. We have lately grown a white flowering form of this which seems to be quite desirable as a late flowering shrub.

The botanists have lately taken what we have all known as S. sorbifolia and S. ariaefolia out of this genus and placed them under other genera, so we will say something good about them at some future time. JOHN DUNBAR.

A FINE SPECIMEN OF SPIREA VAN HOUTTEI.

NICKERSON, KAN.—On account of the removal of the Santa Fe shops in 1895 the florist business had to be abandoned to a great extent and the glass used for forcing early vegetable plants. With the advent of the newer methods of growing corn and wheat, as well as the growing of immense apple orchards in Reno county, came general thrift. New houses and barns with substantial fences to the farmers' homes are demanding bedding plants and ornamental shrubbery. This demand is continually on the increase and will require a permanent supply.—J. J. B.

Boston.

STOCK IMPROVING IN QUALITY.

The holiday trade was very large and undoubtedly would have been much larger but for scarcity of stock and the high prices retailers were forced to ask. American Beauty roses were very short in supply but of excellent quality, while Richmond has never been excelled for fine color and length of stem. Killarney and Mme. Chatenay were good and plentiful but Bridesmaid was scarce. Violets, lily of the valley and orchids were good and in fair supply, but carnations were short and inferior. In plants, azaleas were prominent and good; cyclamens and the usual Christmas plants were shorter than usual. With a week of good, sunny weather, which has been long overdue, crops have improved wonderfully, both in quality and quantity. Roses have been receiving the principal benefit, and as a consequence, the market is more fully supplied with first-class stock at present than has been the case for several months. Carnations now on sale are the kind for which the growers in this vicinity are noted and are better than heretofore this season. Spring bulb flowers, such as jonquils, freesias, hyacinths, narcissi, etc., are plentiful, and, as is usual at this season, sell well. New Year's day, although not celebrated as prominently in this section as in other parts of the country, was the occasion of many gifts of flowers of all varieties. The remarkable Christmas sales checked the trading for New Year's a little, but the custom of remembering friends and relatives at this season is growing. A great improvement in all kinds of flowering plants is also noted with pleasure as, until now, the products of the season have deserved but little commendation. Azaleas especialy are very attractive and consequently sell better and bring higher prices.

NOTES.

As a result of the crusade by our strenuous district attorney the flower stores throughout the city were closed January 6. Many of these, especially in the residential district, have been accustomed to transacting considerable business on Sundays, and the loss will be serious if this is stopped. Church orders, of which there are always a num-

ber regularly to be attended to, were sent out the night before and under penalty of heavy fines no dealer dared take or deliver an order on December 30. A number of names of employes found engaged in attending to orders were taken by the police, with the result that the men were found guilty of violating the Sabbath and fined $10 each. Appeals followed and we now await the final decision. The best opinion, however, is that under the law a way can be found to transact necessary business, such as church and funeral work, without being troubled.

William J. Hoverty, well known to the trade for the last ten years as shipper at the Tremont street store of Thomas F. Galvin, has been compelled to abandon his position and go to the country in an endeavor to regain his health. His many friends among the trade presented him with a practical token of their estimation in the form of a substantial financial gift. B.

Massachusetts Horticultural Society.

IMPORTANT BEQUESTS.

General Stephen M. Weld, the new president of this society, took office at the annual inaugural meeting of the organization, which was held in the lecture room of Horticultural hall, Boston, January 5. Under the by-laws this meeting does no further business than hear the reports of committees and the inaugural of the new president, but these today proved unusually interesting, in view of the suggestions made by General Weld. There was considerable discussion of these among the members after the meeting closed, and considerable differences of opinion were developed, especially in regard to the limiting of the number of cash prizes, which have already become less liberal than they were a few years ago.

In his inaugural address General Weld asked for the co-operation and assistance of all members of the society, to enable him to maintain the high standard set by previous presidents. He called attention to the fact of its being the seventy-eighth year of the society's history, during which time its usefulness has each year increased. "This," said the new president, 'should stimulate us to renewed activity and endeavor, to broaden our work and increase the usefulness of the society." After touching on the subject of school gardens, which he said had been very successful, General Weld spoke of adding to the work of the society the extermination of the gypsy and brown-tailed moths and other insects. To accomplish this the income of the society must be increased. The treasurer's figures show the income and expenses of the past few years to have been as follows:

"For the year ending December 31, 1906, the income was $21,710.71 and the expenses were $24,112.73. For the year 1905 the income was $17,811.37, the expenses were $20,588.27. For the last four years the average expenses were $22,042.32, and, the average income was $19,372.05. No business concern, whether incorporated or not, can be run successfully with such figures as these. We must cut down our expenses to our income, or increase our income. One way of doing this is to increase the use of our building by letting the same for purposes of fairs, lectures, etc. There is no building in Boston which has a better location than ours for a public hall, but possibly a small sum of money will have to be spent in improving its appearance and in making the acoustic properties better. I would suggest the appointment of a committee to take this matter up and give it the attention it deserves. The rental this year has been about $2800, against $1800 last year.

"Another method of increasing our income is by increasing the membership. Still another method is by doing all we can to get our friends and all persons interested in horticulture to leave us funds by will. The following letter shows you that by interesting even people who are not members of the society in horticulture and in the work of the society, they will often remember us when they die:

" 'Under the will of Charles E. French of which I am one of the executors, your society is entitled to a legacy of $3000, this sum to be held in trust and the income therefrom expended in prizes for the best specimens of such fruit or vegetables as may be selected by your trustees, the trust to be known as the "Benjamin V. French Fund;" and also to a legacy of $5000, this sum to be held in trust and the income therefrom distributed in prizes for such specimens of flora as your trustees may select, this trust to be known as the "John Allen French Fund." The executors are about to close the estate, but before paying these legacies to you they desire your society to pass as soon as possible a vote in substantially the form herewith enclosed, and send a copy of the same to the executors.

" 'OTIS NORCROSS,

" 'For self and coexecutors estate of Charles E. French.' "

Continuing the president advises the reduction of the number and value of the prizes given, substituting medals and certificates. He also spoke of the losses the society had sustained through deaths during the past year, 31 members in all, and called attention to the importance of the society's library which, he was informed, was not as freely used by members as it should be.

San Francisco.

BUSINESS BECOMING NORMAL.

The fateful year of 1906 has gone down in the records and 1907 has started out with glorious bright weather. The growers are glad things are taking a normal course again and the storekeepers are all hustle after a fair and profitable Christmas and New Years. All are putting their shoulders to the wheel, to pull San Francisco, the good old city, back again as it used to be. Carnations have brought good prices, ranging from 50 cents to $1.25 per dozen, and tea roses from 50 cents to $2. American Beauty roses of course brought more, from $6 to $12. Besides these flowers we had narcissi, hyacinths, violets, poinsettias,, and a few chrysanthemums. Ferns, palms, hyacinths, poinsettias, begonias, and other pot plants, sold well at reasonable prices. I have been taking the names of all the florists' established now, and see that besides all of the old storekeepers, quite a few new places have been started. Amongst these latter, four Japanese stores are running full blast with white help to disguise the real thing. The names of these I am unable to give or remember as they are tongue-breaking. All of the others I am giving below:

American Florist (C. Steppenbeck), Polk and Sutter streets.
Art Floral Co. (V. Matraia, Mgr.), 792 Van Ness avenue.
Belmont Florist (Louis Matroni), 2358 Fillmore street.
Boland Floral Co., Geary street, near Market.
California Florist (I. Eppstein), 1451 Eddy street.
Cleis & Jacobsen, 942 Fillmore street.
Forrest Floral Co., 2583 Mission street.
Frank & Parodi Co., 1215 McAllister and Fillmore streets.
Golden Gate Florists (Ayres Bros.), 1006 Page street.
Haight Street Floral Co. (N. Peterson), 324 Fillmore street.
Kahn & Lasscre, 1559 Ellis street.
O'Connor, John T., 531 Hayes street.
Park Floral Co. (R. Groves), 1437 Haight street.
Pelicano, Rossi & Co., 1343 Sutter street and 1944 Post street.
Podesta & Baldocchi, 1206 Sutter street.
Rossaia & Matraia Co., 904 Ellis street.
Serveau Bros., 2110 Fillmore street.
Shibeley, 1205 Sutter street.
Sievers Floral Co., 1660 California street.
Sixteenth and Mission Florist (I. Sutherland, Joe Harris), 1991 Mission street.
Stein & Levin, 1929 Sutter street.
Union Floral Co., 2517 Mission street.
Twenty-second Street Flower Store, Twenty-second street near Mission.
Wickstrom's Floral Depot, 943 Van Ness avenue.
Yakas, T., & Co., 2210 Fillmore street.
Young American Florist, 3008 Mission street.

Two other stores will be opened shortly on Sixteenth street, near Mission street, making in all 33 against four directly after the fire. New places I will add to the list and give to the public as soon as opened. The only store I know of as missing is that of the London florist, Mr. Stevenson. This gentleman has taken to the road as a drummer for a local cutlery concern and from last reports is doing the road immensely.

NOTES.

All growers feel exceedingly sorry for Sidney Clack, who had more than his share of hard luck the last year. First the earthquake, then fire did a lot of damage to his place and now the storm broke 250 to 300 boxes of glass. Mr. Clack felt very much like giving it up, but love of the business got the better of him and repairing is going on steadily.

The Misses Warren, formerly on Post street, are located in Anselmo, Marin county, near this city, and still doing business as decorators. They are at present very busy decorating The Uplands, Crocker's place, in San Mateo, where the young Miss Jenny Crocker will make her debut into society.

Stein & Levin are new beginners as retailers, but long and well known to the trade here. Both have been connected with C. Heppenbeck for many years. They have as cozy a store as one can wish to have on Sutter street, not far from Fillmore street.

Willie Krabbenhoeft, formerly gardener at Claus Spreckles' mansion on Van Ness avenue, has opened a retail liquor store of the A1 variety and invites all to take a drink of Tom and Jerry with him. He is an expert in mixing fancy drinks.

One of the very finest stores in town is that of the Art Floral Co. on Van

Ness avenue. V. Matraia is well known in this city for his artistic and graceful design work and good luck should attend him this year.

F. Fisher of Reno, Nev., has been in town on business. The stork has visited his home and left a beautiful daughter for a Christmas gift.

F. Aby, of Berkeley, managed to get in a beautiful crop of C. Testout rose, which can be seen all over town.

Pelicano Rossi & Co.'s is another artistic place, nothing but the very best being sold there.

GOLDEN GATE.

Kansas City.

MARKET IN HEALTHY CONDITION.

The market and trade in general at present are in the usual condition following the Christmas and New Year's rush. A decrease in counter sales among retailers was noticed last week. Perhaps this is fortunate however for the retailer for the reason that an opportunity to restore things to the usual running order is afforded. Most items are in ample supply. American Beauty roses are somewhat short in supply and the quality is not the best. Teas are fairly plentiful. Carnations are in most cases plentiful, especially colored sorts. Bulb stock moves rather slowly. The first locally grown sweet peas were on the market last week. Reviewing the half of the season closed at the end of the year, it is safe to assert it has been the best ever experienced. The average cutting of stock was of larger proportion and fully up to the standard in quality. Growers admit that weather conditions, taken as a whole, were unusually satisfactory. Among retailers, and shippers, an increase of 25 per cent gives every assurance of the general prosperous conditions, both locally and throughout the west. The Christmas trade was very satisfactory in every respect. Stock in some lines showed the effects of having been held too long. This was especially true of American Beauty and other roses. The demand for blooming plants was large, but the percentage of increase in sales in this department was not so great as in seasons past. Violets were a great feature and the demand proved far beyond expectations. In some instances the price charged to customers seemed a bit exorbitant. In this class of stock a happy medium should be considered, in the matter of retail price, rather than placing the cost at a point that would likely serve to scare the average customer out of the notion of purchasing flowers at all.

NOTES.

Excavating was begun last week on the property near the corner of Armour boulevard and Main street, which is to be occupied by the Rosary Conservatories. It has developed that Edward Ellsworth is back of the project. The location is, without doubt, a good one. Mr. Ellsworth recently resigned his position with Geo. M. Kellogg which he had held for a number of years. This, with experience gained in other local stores, should make Mr. Ellsworth well fitted for the place, and the best wishes are extended in the undertaking.

Enchantress carnations may be seen in perfection out at R. S. Brown & Sons' Englewood place. Nathan Brown may be credited with the ability of knowing how to get the best results out of this class of stock.

J. W. Barnes, reports a large trade during the holidays in his new store and at the greenhouses. At present Mr. Barnes is supplying the trade with a nice quantity of bulb stock.

The People's Floral Co. reports a nice holiday trade. Max was busy last week with the decorations at Progress club for the annual ball of that society.

V. De Rudder, representing K. J. Kuyk, Ghent, and J. A. Vandervoort, of Speelman & Sons, were callers last week in the interest of the bulb trade.

Geo. Bastin is handling affairs nicely at Geo. M. Kellogg's. A visit to that store found all hands busy with funeral orders.

James Truitt, of Chanute, Kans., was among last week's callers. He reports a fine Christmas trade in that place.

Chas. Heite is recovering from sickness which kept him away from his duties during the holidays.

K. C.

Milwaukee.

NOTES.

One of the season's events of special interest to the trade has been the successful undertaking by Aug. Kellner in the New Year's eve decoration of the hall and rooms of the Deutcher club. A comprehensive idea of its unique and artistic arrangement cannot be given by description. Cedar wreathing not only in garlands but in curtains, with large hanging baskets were used for overhead work.

Christ. Volom, gardener for the Vogel estate, we are pleased to note, wears that expression of complacency only possible for a gardener when he has his stock in a well cared for condition. Everything he grows seems to behave as he wants it to and he knows what he wants, notwithstanding his contention that evergreens can be grown within a large city.

Word comes to us from Appleton that Boelter & Zuehlke, proprietors of the Riverside Greenhouses, have concluded to rebuild and enlarge their plant at a cost of $10,000. They will visit Milwaukee and Chicago to acquaint themselves with the most advanced methods and secure a contractor who understands putting up a plant.

Fred Schmeling says this has been the worst season for greenhouse stock for over 20 years in regard to weather, and he keeps careful record. The warm September—one day 94° in shade—with no frost in November, followed closely by a cold snap is most unusual, and the dull weather afterwards was very weakening to the stock.

J. M. Fox & Son are using a clever contrivance for showing carnations. This is a green basket with a high handle; the bottom is zinc lined and there are a middle and upper cover of wire, ¼-inch mesh. Water is used in this instead of moss and the whole thing is worthy of extended use.

The Florists' Club has put on foot a movement looking to the organization of a strong bowling team to represent the local trade. The first meeting of the bowlers occurred Wednesday evening at the Olympic alleys, 177 Second street, at 8 p. m.

Holton & Hunkel say the growers held some stock back for New Year's, not being able to break away entirely from old habits. They would be better advised to ship the stock regularly and let the retailers do what pickling is necessary.

Gus. Pohl has his new crop of sweet peas on time. He has a clever plan of getting three successive crops annually in two houses, stevia, sweet peas and chrysanthemums.

The McKenny Co. could not get violets enough, but reports stock generally satisfactory. This firm is handling cyclamens, from Emil Welke, which are very fine.

C. C. Pollworth & Co. report a shortage in roses.

C. B. W.

Pittsburg.

MARKET STEADY.

The market has again settled back to normal, the demand meeting the supply easily. Saturday afternoon found a clean-up along all lines but long stemmed American Beauty roses. Of these all the wholesalers have an abundance but the medium grades sell well. The demand for Killarney is especially fine. Ivory and Golden Gate are not seen any more as they have been poor sellers for some time. Carnations are more plentiful, the quality being fine. Lillies are very scarce, all local growers being short. Violets are very plentiful and the same can be said of Roman hyacinths, Paper White narcissi and tulips. Greens are plentiful, a good deal coming from the south.

NOTES.

Randolph & McClements had a large decorations at the hotel Schenley, January 5, using hundreds of long stemmed American Beauty roses.

The Pittsburg Florists' Exchange is handling an exceptionally fine cut of American Beauty roses.

The Pittsburg Cut Flower Co. is handling lots of white lilac.

Some very nice carnations of all varieties are shown by J. B. Murdoch & Co.

J.

Los Angeles, Cal.

The annual meeting of the stockholders of the Southern California Horticultural Society was held January 3 and the following directors were elected for the ensuing year: Walter Raymond, Fred H. Howard, J. G. Morley, Ernest Braunton, E. H. Rust, H. W. O'Melveny and Theodore Payne.

ERNEST BRAUNTON, Sec'y.

OBITUARY.

Mrs. Catherine Waters.

The death occurred on December 29 of Mrs. Catherine Waters, of Calumet, Mich., at the home of her daughter. Deceased was well known in the district, having been a resident of Calumet for many years. The cause of death was heart trouble from which deceased had long suffered. She is survived by two sons and two daughters.

THE AMERICAN FLORIST

TWENTY-SECOND YEAR.

Subscription, $1.00 a year. To Europe. $2.00
Subscriptions accepted only from those in the trade.

Advertisements, on all except cover pages, 10 Cents a Line Agate: $1 00 per inch. Cash with Order.

No Special Position Guaranteed.

Discounts are allowed **only on consecutive insertions**, as follows—6 times, 5 per cent: 13 times, 10 per cent: 26 times, 20 per cent: 52 times, 30 per cent.

Space on front pages and back cover page sold only on yearly contract at $1.00 per inch, net.

The AMERICAN FLORIST Advertising Department is for florists, seedsmen and nurserymen and dealers in wares pertaining to those lines only.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Monday to secure insertion in the issue of the same week. Address

AMERICAN FLORIST CO., Chicago.

When sending us change of address always send the old address at the same time.

We do not assume any responsibility for the opinions of correspondents.

THIS ISSUE 52 PAGES WITH COVER.

CONTENTS.

Suggestions for florists.....1185
Florists' forcing bulbs and roots..1186
—X.—Spireas 1186
—XI.—Gladioli 1186
With the growers.....1187
—Bertermann Bros., Indianapolis, Ind. (illus.) 1187
European notes 1187
The rose 1188
—Notes in season.....1188
—Cultural notes 1189
—The new rose Aurora (illus.)....1189
—Best grafted roses.....1189
The carnation 1190
—Split carnation flowers (illus.)..1190
—Artificial carnation calyx (illus.).1190
—The American Carnation Society.1190
Palms and ferns—Looking backward 1191
People we know.....1192
—Antoine Wintzer (portrait).....1192
The retail trade.....1193
—Flowers at French weddings....1193
—Table decorations 1193
—A floral basket (illus.).....1193
Chrysanthemums 1193
—Cut blooms for various purposes.1193
—The best chrysanthemums.....1194
To be done now.....1194
Hardy spireas (illus.).....1194
Boston 1195
Massachusetts Horticultural Society 1196
San Francisco 1196
Kansas City 1197
Milwaukee 1197
Pittsburg 1197
Los Angeles, Cal.....1197
Obituary—Mrs. Catherine Waters..1197
Society of American Florists.....1198
Missouri Botanical Garden scholarships 1198
Cutting coupons 1198
Asparagus Duchesnei 1198
Wedding bells 1198
St. Louis 1200
Des Moines 1200
Seattle, Wash. 1200
Chicago 1203
Philadelphia 1204
New York 1206
Albany, N. Y.....1206
The seed trade.....1210
—Against free seeds.....1210
—Prices of indoor vegetables.....1210
—The holly car hunt.....1210
—Catalogue onion seed prices.....1210
—Imports and exports.....1210
—American Seed Trade Association.1210
Catalogues received 1211
Denver 1212
Omaha 1212
Detroit 1212
Buffalo 1212
The nursery trade.....1214
—A forester's revenge.....1214
—City nursery projected.....1214
—Nurserymen landscape despoilers.1214
—Western Association of Nurserymen 1214
Cleveland 1217
Montreal 1217
Special illustrations:
—American Beauty roses at Poehlmann Bros. 1188
—Perle des Jardins roses at Peter Reinberg's 1188

THE crop of English holly was a failure in Washington this season and the dealers of that section had to depend on that from British Columbia, Vancouver, Victoria, etc., for their supplies.

EDWIN LONSDALE has a very timely article on "The Plants You Got This Christmas, How to Keep Them Healthy" in the January number of the Ladies' Home Journal, illustrated from photographs supplied by the firm of Henry A. Dreer.

DIRECTORY names and changes are wanted now. If you, reader, have increased your acreage or changed your store or greenhouse location during the past year, we ask, on behalf of all of your correspondents, that you send your corrected address at once. Further, we shall be grateful for any report of trade changes in your vicinity.

NEPHROLEPIS EXALTATA TODEAOIDES is the subject of a full page illustration in The Gardeners' Chronicle for December 29. Apparently this variety, which appeared in the establishment of Messrs. Rochford, does not show its true form in the young fronds and fine though it undoubtedly is we should say that the new variety Amerpohli now being prepared for dissemmination by the Janesville, Wis., Floral Co. is far superior. This at any rate is beautifully crested even in young plants, the small specimens exhibited last fall all showing the filmy, todea-like surface on quite small fronds.

A MILWAUKEE correspondent complains that the growers do not provide sufficient foliage. He suggests the sale of carnation foliage for use with these flowers, for, as he points out, the blooms with foliage are worth far more than those without it to appreciative customers. He decries the custom, now common among retailers, of chopping up Asparagus plumosus for every purpose where common ferns do not answer and suggests the increased culture of A. tenuissimus. We should imagine that enterprising growers taking up the culture of the newer A. Crawshawii would probably find a ready market for it, on account of its distinct and beautiful character.

Society of American Florists.

LADIES' AUXILIARY.

The ladies' S. A. F. pins have been received and will be forwarded to all members as soon as Mrs. Chas. H. Maynard, secretary, returns from North Carolina, where she has been called by sickness.

Missouri Botanical Garden Scholarships.

Three scholarships of the Missouri Botanical Garden, St. Louis, Mo., will be awarded by the director of the garden prior to April 1 next. The successful candidates will be started on their duties as garden pupils April 1. Applications for these scholarships to receive consideration must be in the hands of the director not later than March 1. For full particulars address Wm. Trelease, director, Missouri Botanical Garden, St. Louis, Mo.

Cutting Coupons.

"I would have given a good deal to have had Arthur Newell's photo this morning cutting coupons with a long pair of shears," writes one of his Kansas City friends. "Oh, how neat Arthur is at such work, and it is so very much to his liking."

Asparagus Duchesnei.

ED. AMERICAN FLORIST:—

No doubt you are always willing to accept discussions and corrections. I notice in THE AMERICAN FLORIST this week a picture of Asparagus Ducheni; it is not spelt that way, it ought to be Duchesnei. I may claim to know this plant for I sold the first plant in this country four or five years ago.

It was introduced by L. Linden, of Brussels, and exhibited for the first time at the Palais d'Horticulture in Paris, on September 26, 1900. I will not say that it was introduced directly by L. Linden, but by a botanical mission sent by the independent state of Belgian Congo under directions of M. Linden and named after one of the members, Mr. Duchesne, who is now a member of the firm of Duchesne & Lanthoine Co., orchid growers, Brussels, Belgium. That fall I only sold two or three plants, it being high priced, $25 to $125 with $5 to $25 duty and freight extra. This price was for plants in 4-inch and 5-inch pots.

THOMAS KNIGHT.

Rutherford, N. J.

Wedding Bells.

SHUTT-UPDEGRAFF.

The marriage of Gilbert L. Shutt, late of the park department of Minneapolis, Minn., to Miss Helen T. Updegraff, daughter of the late Judge Robert D. Updegraff and granddaughter of the late Congressman J. T. Updegraff, was solemnized at the family residence, 6314 Franklin avenue, Cleveland, O., December 23, 1906. The bride is well known in Cleveland circles and is one of the most popular young women of the west side. The young couple left, amidst many congratulations and good wishes, for their future home, corner Hamline and Hoyt avenues, St. Paul, Minn.

Mr. Shutt is a hard working, enthusiastic and progressive horticulturist, having spent his whole life at his chosen profession. For a number of years he was employed by some of the leading firms in the country, such as the Wm. H. Moon Co., of Philadelphia, the Storrs & Harrison Co., of Painesville, O., and J. C. Vaughan, of Chicago, Robert Simpson, Clifton, N. J., the Park Floral Co. of Denver, Col., etc. He was employed on the Westinghouse & Jones estates, Pittsburg, Pa., for some time and later as superintendent of "Ben Mac Dhui," one of the best equipped and most beautiful rural estates in the state of Michigan.

He has resigned his position with the park department to associate himself with the Hoyt Plant & Seed Co., of St. Paul, where he will take charge of the fast growing work of their landscape engineering and nursery department. He has many friends in the trade, in both commercial and private lines, who join the writer in wishing him and his better half a long, happy and prosperous married life.

W.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

Cash with Adv.

Plant Advs. NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1906 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—By a German florist in a greenhouse; good experience. Address
JOSEPH BIEHLER, 51 Abbott Ct., Chicago.

Situation Wanted—Compent man for commercial or private place; good grower and propagator; best of references; single. Address
Key 872, care American Florist.

Situation Wanted—By young married man, capable of making designs and bouquets and wait on trade, and also in general greenhouse work; 8 years' experience, with reference. Address
JOHN C. WELLER, 59 Wabash Ave., Chicago.

Situation Wanted—By a young man, age 26; married, no family; 13 years' experience in roses, carnations, pot plants, and all bedding plants, fruits and vegetables; best of references. Address
T. G. C., 53 Lonsdale St.,
Dorchester, Boston, Mass.

Situation Wanted—By grower experienced in the growing of roses, carnations, 'mums, violets pot and bedding plants, and bulb forcing. Will take charge or assist; best reference; good wages expected. At liberty now. Address
A. S. PETT, 415 Wilkison St., Logansport, Ind.

Situation Wanted—Florist, middle aged, Swiss, 18 years' experience; good grower of roses, carnations, 'mums and bedding plants; hustler, sober and honest wants position taking charge of retail or private place; references. Address
JACOB SCHMID.
Govanstown, Baltimore, Md.

Help Wanted—A gardener. A. MCADAMS.
53rd St. and Kimbark Ave., Chicago.

Help Wanted—A No. 1 palm man who can take charge of large palm range. Address
Key 874, care American Florist.

Help Wanted—Two good packers who understand the packing of plants. Address
Key 875, care American Florist.

Help Wanted—Two young men as order fillers in large Western establishment. Address
Key 876, care American Florist.

Help Wanted—A No. 1 fern grower; one who understands growing of all kinds of pot ferns. Address Key 873 care American Florist.

Help Wanted—A young florist to assist in general greenhouse work; good wages to right man. Address Key 871, care American Florist.

Help Wanted—An all-around florist. Write, stating experience and wages expected with room and board. Key 878, care American Florist.

Help Wanted—A good designer and maker-up; must be able to wait on trade; give age and references. Address
Key 863, care American Florist.

Help Wanted—Gardener; man competent to care for place; must be able to qualify; good home for a good man. Address
Key 869, care American Florist.

Help Wanted—Gardener and greenhouse man to take charge of private place; must be sober and industrious; single man preferred. Address
BOX 474, Montgomery, Ala.

Help Wanted—A young man not afraid of work, with some experience in the seed business; German preferred. Address with full particulars,
Key 877, care American Florist.

Help Wanted—Man to look after 7,000 feet of glass, general stock for retail trade grown. State wages expected in first letter; single man prefered. Address CLEVELAND NURSERY, Waco, Tex.

Help Wanted—Experienced man by retail florist Must know how to make up funeral work and wait on store; age, 25 to 35. Address
CHAS. H. FOX, 21st St. and Columbia Ave.,
Philadelphia, Pa.

Help Wanted—Carnation grower; must be a No. 1 man, strictly sober and reliable; wages $30 per month with board and washing; state experience and references. Address
Key 844, care American Florist.

Help Wanted—Middle agen florist for general greenhouse work, one that can handle 15,000 sq. ft. of glass if wanted; $30.00 to $35 00 per month with board and room. Address FLORIST,
1318 Wash. Ave., North, Minneapolis, Minn.

Help Wanted—Good man for 50-acre truck farm in Kansas; single, able bodied and trustworthy; one acquainted with the work and competent to look after help in the employer's absence; must speak English, be of good moral chnracter and a non-smoker. Salary, $25 per month, with board and laundry; the right man given an increase.
Key 870, care American Florist.

Help Wanted—First-class florist for private estate, to take full charge of up-to date greenhouses. We furnish house, and milk, butter and vegetables when we have them. Address
Key 879, care American Florist.

Help Wanted—A good grower of roses, carnations and general stock; 15,000 feet of glass. State experience and wages expected Address
JUNCTION CITY FLORAL CO.,
Junction City, Kans.

Help Wanted—A good greenhouse man as first assistant; capable of growing roses, chrysanthemums and general Easter stock; sober, good workman with best of references; able when required to take charge; wages, $12 per week first year; after that what he proves worth. Address
H. I. FAUST, Merion, Pa.

Help Wanted—A thorough plantsman to take position of working foreman on place comprising 10,000 square feet of glass, where pot plants only are grown; must be a hustler and thoroughly understand the forcing of all kinds of bulbs. Good wages to right party. Address, with references as to character and ability,
Key 880, care American Florist.

Partner Wanted—A practical greenhouse man to take charge of 18,000 feet of glass in good Western town of 60,000. Some money required.
S. E. GREER, 35th and R Sts., Lincoln, Neb.

Wanted to Rent or Lease—Florist business, 6 000 feet or more of glass, in thriving city in Kentucky, Ohio or Indiana; possession April or May. Address Key 864, care American Florist.

For Sale—Mailing list; 10,000; large mail and express buyers, 1905. Make offer quick. Address
Key 868, care American Florist.

For Sale—Nine greenhouses, dwelling house and barn, 3½ acres of ground. For particulars address
P. O. Box 109, Newtown, Bucks Co., Pa.

For Sale—Ice box, used four months, 16 ft. long, 7 ft. wide, 8½ ft. high; accomodations for a commercial or wholesale florist. Will sell at a sacrifice. Address CHAS. MILLANG,
50 West 29th St., New York.

For Sale—Modern greenhouse, 3,000 feet of glass; best of trade; good reasons for selling. Anyone with money can clear $1 500 to $2,000 a year. It will stand close investigation. Address Key 867, care American Florist.

For Sale—Retail florist business in Washington, D. C. established seven years; good chance for hustler; owner wishes to retire from business. For full particulars address RETAIL,
care American Florist, 1133 Broadway, New York.

For Sale—Greenhouses, 12,000 feet of glass in good condition, well stocked, heated by return tubular steam boiler, easily heated; college town, all improvements, good retail trade; near Philadelphia, steam and trolley, exceptionally good soil for roses. Address BOX 215, Swarthmore, Pa.

For Sale—My greenhouse plant of about 10,000 feet of glass with dwelling, all in first-class shape. No staying up at night to fire; natural gas for fuel. On one of the best streets in city; street cars pass place every 10 minutes. A good chance to right party. WM. MUNDY, Salem, Ohio.

FOR SALE.

Old established retail florist's store. Reason for selling, going west. For particulars, write to

F. K., 700 N. 5th St., Philadelphia, Pa.

FOR SALE—Greenhouse Pipe

4-in. boiler tubes, second-hand, in fine condition, absolutely free from scale and with ends cut square. Sample and prices on application. KROESCHELL BROS. CO.,
45 Erie St., Chicago.

FOR SALE.

Des Moines, Iowa, wholesale and retail greenhouse establishment, 29,000 feet of glass, three acres of ground, well located, all in good order, with good wholesale and retail trade. Price, about $8,400; terms reasonable.

VAUGHAN'S SEED STORE
CHICAGO.

SEEDSMEN.

We have an opening for order and counter hands who are experienced.

WM. ELLIOTT & SONS, 201 Fulton St., New York.

FOR SALE.

I offer for sale my entire greenhouse specialty business, which includes my Trap Duplex Gutters and Ventilating machinery. My business is thoroughly established. No firm has a better acquaintance with the florists. My health is not good and I am compelled to sell out in order to retire.

E. HIPPARD, Youngstown, Ohio.

FOR SALE.

COLORADO SPRINGS, COLO.

Wholesale and retail business, well located, 34 greenhouses, 13 acres of land, 4 boilers, 16-60; 2 dwellings. For terms address

WM. CLARK.

DISSOLUTION NOTICE

ONARGA, ILLINOIS, Dec. 31, 1906.

The partnership agreement heretofore existing between L. J Risser and Ludvig Mosbaek, under the firm name of Ludvig Mosbaek, is hereby dissolved by mutual consent. All debts owing to the firm of Ludvig Mosbaek and all debts owing by the firm have been assumed by the new business, which will be continued under the name of the Mosbaek Greenhouse Company of Onarga, the Iroquois Canning Company, of which Mr. L. J. Risser is President, succeeding to the business.

L. J. RISSER.
LUDVIG MOSBAEK.

AUCTION SALE.

The undersigned will sell on **Thursday, January 17th, 1907,** at 10:30 o'clock in the forenoon.

Owing to a change from horse to electric power I have concluded to dispose of the entire contents of my stable, consisting of the following stock and plant, to-wit: 10 business horses; 8 delivery wagons; 2 double sets of harness; 6 single sets of harness; 2 sets of road harness; 1 fast trotting mare, record 2:14¼; 1 bay road mare standard bred; 1 pair of spotted ponies, wagon and harness; 1 brown saddle horse; 3 surreys; 1 natural wood trap; 3 runabouts; 1 depot wagon, new sulky built by Toomey; 1 Brewster brougham; all carriages have rubber tires; a lot of wagon and stable blankets, halters and stable utensils, etc

The above mentioned stock and plant will be sold at public auction at the stable in the rear of No. 250 Fifth Avenue known as **No. 3 West 28th Street,** Borough of Manhattan **New York City.**

By order of Charles Millang (florist).

SAMUEL NEWWITTER, Auctioneer,
260 Broadway, Manhattan Borough,
New York City.

FOR SALE.

ST. PAUL, MINN.

One of the best located cash retail florist businesses in the city.

Corner store, 25x60, fronting on three streets, and adjoining new federal post-office; also in close proximity to two opera houses, hotels, new auditorium, large department stores and public library.

Long lease, only $75 per month, including steam heat and water; cheap at double that rent.

This is an exceptional chance for the right party to get into an established business of seven years. Fine fixtures. Owner wishes to go into wholesale cut flower business in basement of same st re. Good will, lease and fixtures, $1,500.

RAMALEY FLORAL EXCHANGE,
7th and St. Peter Sts., St. Paul, Minn.

St. Louis.

BUSINESS DULL.

New Year's has come and gone and a week of very dull business has just passed. Dark, rainy weather has prevailed all week. Saturday was a clear and sunny day and if it continues for a few days like this an increase in supply of stock will appear. Violets especially will profit by sunshine. These have dropped to 35 and 40 cents per hundred. Carnations are now selling at lower prices and roses have been very scarce all the week. Complaints continue in regard to the high price of cut flowers at Christmas, more on account of the fact that the quality of the blooms in many instances were not worth the prices asked. Many of the retailers rather than pay the high prices and take chances to get value received actually talked plants, and in most cases succeeded in countermanding flower orders. Now that the holidays are over our local growers are looking around and preparing for Easter.

NOTES.

The Imperial ball given on the evening of December 28 was the largest and most exclusive social event of the city. The Youngs had the decorations, using a large amount of greens and cut flowers. They had eight men working in the ball room alone. As only the choicest flowers were used, American Beauty and Killarney roses, the cost ran into four figures and those who saw it after it was finished say it was worth it.

It is rumored that James Arado, the efficient manager of Young's cut flower department, will in the near future take unto himself a partner for life. Jim, as he is popularly known, is well liked among the wholesalers and the trade in general. They will see that he gets a good send-off when the happy day is announced.

City Forester Andrew Meyer, Jr., is receiving complaints from property holders because of the clipping of trees in front of their property by the telephone company under permit from the forestry department. Mr. Meyer has neither the power to withhold the permit nor to say how the work shall be done.

The Florists' Club will hold their next meeting next Thursday at their new quarters in the Burlington building.

Visitors: L. Baumann, Chicago; A. M. Ausburger, Peoria Ill. W. F.

Des Moines, Ia.

HOLIDAY BUSINESS GOOD.

Taking everything into consideration the holiday business was fully as good as in previous years. The cloudy weather made stock very scarce, the growers being sorry they did not have double the amount, as they could have disposed of it very readily. Those buying out of town were very much disappointed in not getting all they ordered. Quite a number of flowering plants took the place of cut flowers, and were sold to good advantage.

NOTES.

Vaughan's Greenhouses report a very good holiday business. The stock was very scarce on account of the cloudy weather and was therefore entirely sold out every day.

Capt. E. L. Watrous, the well known nurseryman, who was knocked down by an automobile near the state house a short time ago, is now able to be about on crutches.

Chas. McAniff, of Vaughan's Greenhouses, is passing the cigars around, on account of a new girl, which put in her appearance a few days ago.

The Iowa Floral Co. reports a very good holiday business. It had some very fine poinsettias, which were sold very easily.

Miss Gertrude Blair, formerly of this city, but more recently of Columbus, O., has accepted a position in Atlanta, Ga.

Gus. Pafpca, of the Alpha Floral Co., has again resumed his position, after an illness at the hospital.

A. G. Lozier's had several wedding and party decorations during the holidays. M.

PETER REINBERG

51 Wabash Ave., CHICAGO.

1,500,000 FEET OF GLASS

CURRENT PRICE LIST.

American Beauties.

	Per doz.
Long stem	$8 00
30-inch	6 00
24-inch	4 00
20-inch	3 00
18-inch	2 50
15-inch	2 00
12-inch	1 50
Short	$1 00 to 1 25

	Per 100
Maid and Bride	$6 00 to $10 00
Uncle John	6 00 to 10 00
Chatenay	6 00 to 10 00
Liberty	6 00 to 15 00
Richmond	6 00 to 15 00
Sunrise	6 00 to 12 00
Perle	6 00 to 8 00
Golden Gate	6 00 to 10 00
Killarney	8 00 to 15 00
Ivory	6 00 to 10 00

ROSES, Our Selection, $5.00 per 100

	Per 100
Carnations	$3 00 to $5 00
Valley	4 00 to 5 00
Violets	1 50 to 2 00
Paper Whites	3 00 to 4 00
Romans	3 00 to 4 00
Stevia	1 50 to 2 00
Callas per doz.	2 00 to 3 00
Harrisii "	2 00 to 3 00
Asparagus Plumosus per bunch	50 to 75
Ferns per 1000.	2 00
Galax "	1 00

Seattle, Wash.

The demand for cut flowers here this Christmas has more than astonished the growers as well as the retailers, everything in the shape of a flower that was any good being sold on Christmas eve. There was not a good rose, carnation, violet or any other flower to be seen in the windows at night, only here and there a few chrysanthemums asleep, and a few poinsettias wilted. The stores all closed early on Christmas day, as they had nothing to sell. This has been a very hard season on the growers as there has been so much wet and cloudy weather; there was not two days sunshine in December. Prices were high, chrysanthemums selling from $6 to $8 per dozen, roses from $12 to $36, carnations from $2 to $4. Holly was in great demand and sold at $1.50 per pound. Lily of the valley was scarce. Pot plants sold well, but the retailers complain that the growers had really no good flowering plants to offer.

C. W. Johnson has left the Washington Floral Co. and gone to New York; he hopes to visit his father in England before starting business again.

Joseph Chalmers has gone back to the Malmo Seed & Floral Co. as nursery foreman. J. C. R.

Wholesale Flower Markets

ST LOUIS, Jan. 9.

Roses, Beauty, long stem	4 00@ 5 00
" " medium stem	1 50@ 3 00
" " short stem	50@ 1 00
" Bride, Bridesmaid	3 00@ 8 00
" Pres. Carnot	3 00@ 8 00
" Kaiserin	3 00@ 8 00
" Chatenay, Richmond	3 00@ 8 00
Carnations, common	1 50@ 2 00
" best	2 50@ 3 00
" fancy	4 00@ 5 00
Smilax	12 50@15 00
Asparagus Sprengeri	2 00@ 3 00
" Plumosus, strings	25 00@40 00
" cut sprays	2 00@ 3 00
Fancy ferns per 1000, $2 00	
Lily of the valley	4 00
Violets	50@ 75
Stevia	1 00
Callas	10 00@15 00
Narcissus, Paper White	3 00
Romans	1 50@ 3 00
Sweet peas	50@ 1 00

PITTSBURG, Jan. 9.

Roses, Beauty, specials	50 00@65 00
" " extras	30 00@ 40 00
" " No. 1	15 00@20 00
" " ordinary	5 00@ 8 00
Bride, Bridesmaid	5 00@15 00
Chatenay	5 00@15 00
Richmond	6 00@20 00
" Cusin	4 00@12 00
" Perle	6 00@12 00
" Bon Silene	6 00
Carnations	1 00@ 6 00
Lily of the valley	2 00@ 4 00
Violets	75@ 1 50
Smilax	12 50@15 00
Asparagus, strings	30 00@50 00
" Sprengeri	2 00@ 4 00
Lilies	15 00@25 00
Adiantum	1 00@ 1 50
Paper white	3 00
Romans	3 00
Sweet Peas	1 00@ 1 50
Bouvardia	4 00@ 6 00
Freesia	3 00@ 4 00
Mignonette	2 00@ 8 00
Tulips	3 00@ 4 00
Cypripediums	15 00

CINCINNATI, Jan. 9.

Roses, Beauty per doz.	$1 00@$ 8 00
" Bride, Bridesmaid	4 00@10 00
" Liberty	6 00@15 00
" Golden Gate	6 00@10 00
Carnations	2 00@ 6 00
Lily of the valley	3 00@ 4 00
Asparagus	50 00
Smilax	15 00
Adiantum	1 00
Asparagus plumosus and Sprengeri in bunches, per bunch 25c 35c	
Ferns per 1000, $2 00	
Callas	12 50
Paper white	3 00@ 4 00
Violets	1 00@ 1 50

CLEVELAND, Jan. 9.

Roses, Beauty, per doz. $1 00, 6 00	6 00@15 00
" Bride, Bridesmaid, Meteor	8 00@15 00
" Kaiserin	4 00@ 8 00
Carnations	3 00@ 6 00
Smilax	15 00
Aspgragus, strings	25 00@50 00
" Sprengeri	1 00@ 2 00
Common ferns per 1000, $1 50	

MILWAUKEE, Jan. 9.

Roses Beauty, per doz.	1 50 12 00
" Liberty, Chatenay	5 00@20 00
" Bride, Bridesmaid	5 00@20 00
" Meteor, Golden Gate	5 00@20 00
" Perle	2 00@ 4 00
Carnations	4 00@10 00
Smilax	12 00
Asparagus, sprays	3 50
" Sprengeri	3 50
Lily of the valley	4 00
Adiantum	1 00@ 1 50
Common ferns $2 00 per 1000	
Longiflorum $2 00 per doz	
Violets	2 00@ 2 50
Sweet Peas	1 00@ 2 00
Stevia	1 00@ 2 00

CALDWELL, THE WOODSMAN,
Introducer of the Wild Smilax.

Wild Smilax, $2.50 per case.

THE ONLY PLACE WHERE YOU CAN ALWAYS GET IT.

Long Needle Pines, $1.00 per dozen. **Palm Leaves,** $2.50 per dozen. Extra nice long-stemmed **Palmetto Leaves,** $2.50 per 100. **Magnolia,** $2.50 per case, 16 cubic feet. **Sheet Moss,** $2.00 per sack. **Grey Moss,** $2.00 per sack. **Galax,** $1.00 per 1000.

Speed a Specialty. Write for Catalogue.

Caldwell, the Woodsman Decorating Co., Inc., EVERGREEN ALA.

PITTSBURG CUT FLOWER CO., Ltd.,

Rhinebeck Violets, Fancy Roses, Fancy Carnations.

222 Oliver Avenue, PITTSBURG, PA.

BEAVEN'S

Fadeless Sheet Moss

$3.50 per bag.

Southern Wild Smilax

IN ANY QUANTITY.

E. A. BEAVEN, Evergreen, Ala.

HEADQUARTERS FOR

Hardy Cut Evergreens and Florists' Supplies

Fancy and **Dagger Ferns,** fine quality.....$1.50 per 1000
New Crop Brilliant Bronze and **Green Galax,** $1.00 per 100
$7.50 per case of 10,000.

Southern Wild Smilax,
$3.50 and $7.00 per case.

Laurel Festooning, good and full.....5c and 6c per yard
Branch Laurel.....50c per bundle
Leucothoe Sprays.....$1.00 per 100
Sphagnum Moss.....50c per bag; 5 bags, $2.00
Green Moss.....$1.00 per bbl.

FLORISTS' SUPPLIES. A full line of Florists' Supplies, Wire Frames, Corrugated Boxes, Cut Flower Boxes, Immortelles, Cycas Leaves, Sheaves of Wheat, Tin Foil, Cut Wire, etc.

HENRY M. ROBINSON & CO., 15 Province St., 9 Chapman Pl., **Boston, Mass.**

Extra Fine New Crop **FANCY FERNS** **$1.50 per 1000**
Discount on large orders.

Green and Bronze Galax, $1.25 per 1000. **Boxwood,** 20c per lb.; 50 lbs., $8.50.
Send for our weekly price list on Cut Flowers. Let us have your standing order for Ferns: will make price right all through the season.

MICHIGAN CUT FLOWER EXCHANGE

WM. DILGER, Mgr. 38 and 40 Broadway, formerly Miami Ave., **DETROIT, MICH.**

Please mention the American Florist when writing

CURRENT

PRICE LIST.

Subject to change without notice.

	Per doz
American Beauty, Extra long stems	$6.00
36-inch stems	5.00
30-inch stems	4.00
24-inch stems	3.00
20-inch stems	2.50
18-inch stems	2.00
15-inch stems	1.50
12-inch stems	1.00
8-inch stems	.75

	Per 100
BRIDE, fancy	$10.00
" good	$ 6.00 to 8.00
BRIDESMAID, fancy	10.00
" good	6.00 to 8.00
LIBERTY, fancy	10.00
" good	5.00 to 8.00
RICHMOND, fancy	10.00
" good	5.00 to 8.00
CHATENAY, fancy	10.00
" good	6.00 to 8.00
UNCLE JOHN, fancy	10.00
" good	6.00 to 8.00
PERLE	6.00 to 10.00
ROSES, our selection	4.00
CARNATIONS, good	3.00
" fancy	4.00

All other stock at lowest market rates. The above prices are for select stock. Extra select or inferior stock billed accordingly. No charge for packing. Prices subject to change without notice.

WIETOR BROS.,

51 Wabash Ave, CHICAGO.

—DEALERS IN—

Sphag. Moss, Leaf Mold & Peat

Decorating and Designing Moss a Specialty.
Also **Argany Moss Green** in sacks.
All goods guaranteed and good reference if needed.

THE OCEAN COUNTY MOSS & PEAT CO.,
W. H. STACKHOUSE, Prop. **Waretown, N. J.**

RICE BROTHERS

WHOLESALE SHIPPERS of home grown Cut Flowers, comprising the newest varieties of blooms. Full line of supplies and decorative greens. Trial order solicited. Weekly price list issued.

113 N. 6th St., MINNEAPOLIS, MINN.

ROOTED CUTTINGS.
February and March delivery.

Carnations and Geraniums

Send for list of varieties and prices.

ALBERT M. HERR, Lancaster, Pa.

CARNATION CUTTINGS.

	Per 100	1000		Per 100	1000
Mrs. Thomas Lawson	$1 50	$12	Robt. Craig	$6.00	$50
Lady Bountiful	2.50	20	Ellen Goddard	6.00	50
White Lawson	2.50	20	President	2.50	20
White Perfection	6.00	50	Estelle	2 00	15
Cardinal	3.00	25	Morning Glory	2.00	15
Victory	6.00	50	Lieut. Peary	2.50	20
			Enchantress	2.00	18
			Glazonier	1.75	14

Write for prices if you want quantity.

ELI CROSS. **Grand Rapids, Mich.**

AMERICAN FLORIST ADS — Always do business; Week days and every day; Sundays and holidays; All over the country; At home and abroad

CUT FLOWERS and SUPPLIES.

E. H. HUNT

RIGHT STOCK AT RIGHT PRICES.

76 Wabash Avenue, CHICAGO.

A New Year's Resolution, BUY AT HUNT'S

E. C. AMLING

THE LARGEST, BEST EQUIPPED, MOST CENTRALLY LOCATED WHOLESALE CUT FLOWER HOUSE IN CHICAGO.

32, 34, 36 RANDOLPH ST., CHICAGO.

L. D. 'Phones Central 1978 and 1977.

Please mention the American Florist when writing.

Be your own Commission Man

THE FLOWER GROWERS' MARKET

furnishes the facilities.

See PERCY JONES, Mgr.

60 Wabash Ave., CHICAGO.

Please mention the American Florist when writing

Vaughan & Sperry,

Wholesale Florists,

58 and 60 Wabash Ave., CHICAGO

WRITE FOR SPECIAL PRICES.

Please mention the American Florist when writing

Bassett & Washburn

76 & 78 Wabash Ave., CHICAGO,

Wholesale Dealers and Growers of Cut Flowers

GREENHOUSES: HINSDALE, ILL.

Please mention the American Florist when writing.

WIETOR BROS.,

Wholesale Growers of Cut Flowers

All telegraph and telephone orders given prompt attention.

51 Wabash Ave., CHICAGO.

Please mention the American Florist when writing

CUT FLOWERS

FLORISTS' SUPPLIES.

We can and will take care of your wants. Catalogue free.

E. F. WINTERSON CO.

45-47-49 Wabash Ave, CHICAGO.

Wholesale Flower Markets

CHICAGO, Jan. 9.

Roses, Beauty, extra long stems	6 00
" " 30-in. "	4 00
" " 24-in. "	3 00
" " 12-in. "	1 00
" Liberty Chatenay	4 00@10 00
" Bride, Bridesmaid	4 00@10 00
" Golden Gate	4 00@ 8 00
" Killarney, Richmond	4 00@10 00
" extra fancy red	12 00@25 00
Carnations	2 00@ 3 00
" fancy	3 00@ 6 00
Lily of the valley	2 00@ 5 00
Cattle yas....per doz., $6 00@$7 50	
Harrisii lilies, per doz., $2 50@$3 00	
Asparagus plumosus, per string 35c@50c	
" " per bu., 35c@$1 00	
" Sprengeri	2 00@ 4 00
Galax leaves.....per 1000, $1 00	
Adiantum	75@ 1 00
Fancy ferns.....per 1000, $2 00	
Smilax.....per string, 15c@20c	
Violets	75@ 1 00
Leucothoe sprays	75
Narcissus	3 00@ 4 00
Mignonette.....50 to 75 per doz	

WEILAND & RISCH

Wholesale Growers and Shippers of CUT FLOWERS

59 Wabash Ave., CHICAGO.

'Phone Central 879.

Write for our wholesale price list.

WHOLESALE FLORISTS

Chas. W. McKellar

51 Wabash Ave., CHICAGO.

ORCHIDS

A Specialty,

Fancy Stock in VIOLETS, VALLEY, ROSES, BEAUTIES, CARNATIONS and a full line of all Cut-Flowers Greens, Wire-Work and FLORISTS' SUPPLIES.

Send for Complete Catalogue.

Please mention the American Florist when writing.

The Geo. Wittbold Co.

1657-1659 Buckingham Place, CHICAGO.

The only retail florist in Chicago who grows his own cut flowers.

FUNERAL WORK ORDERS, OUR SPECIALTY.

Please mention the American Florist when writing.

SINNER BROS.

WHOLESALE CUT FLOWERS

60 Wabash Ave., Chicago.

Careful attention to all

SHIPPING ORDERS.

Poehlmann Bros. Co.

Wholesale Growers of Cut Flowers and Dealers in

All telegraph and telephone orders given prompt attention.

Greenhouses: MORTON GROVE, ILL.

35-37 Randolph St., CHICAGO.

Please mention the American Florist when writing.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty.....

WHOLESALE GROWER of CUT FLOWERS

KENNICOTT BROS. COMPANY

40-42-44 Randolph St., CHICAGO.

Our reputation has always been that we fill orders when others fail. All stock in season at Lowest Market Rates.

THE BENTHEY-COATSWORTH CO.

35 RANDOLPH ST. WHOLESALE FLORISTS CHICAGO.

Chicago.

MARKET QUIET.

Both the expected and the unexpected have occurred this past week. The expected happened in the form of a rather quiet market, funeral work being the chief factor in the situation. This condition is not at all unusual for this season of the year, there generally being more or less of a reaction after the holidays. As far as this is concerned it may be called a normal market. But the unexpected is the weather. While we usually have a January thaw, there has been so little cold and snow so far that everyone certainly expected something different from the fogs and thunder showers of the past week. All this has had its effect on the stock. Roses are off color, weak of stem and soft. There are some extra select long-stemmed American Beauty roses seen. Bride and Bridesmaid showed deterioration perhaps to a greater degree than the other varieties. Bridesmaid for several days has resembled the old Catherine Mermet. Killarney, too, has suffered to some extent, but is holding up in price better than other stock, largely owing to the limited quantity now being grown. Roses, however, have moved off in good shape, the supply often not being equal to the demand. The shading in the prices has been largely due to the general downward tendency of the market, a sympathetic condition, so to speak. Carnations have also suffered from the depressing weather conditions. The red varieties have been in a little better demand than others, but owing to the calls for funeral work white almost, if not quite, kept pace. Violets have been in large over-supply. These have sold as low as 40 cents per 100, and some held-over stock went down to 20 cents. Roman hyacinths have also been a glut on the market, but Paper White narcissi are about over with for the season. Other bulb stock, mignonette, etc., move slowly. Tuberoses have just made their appearance. A cold wave Wednesday had the effect of toning up the market to some extent and was hailed by the growers because of the expected improvement in the quality of the stock.

NOTES.

The annual meeting of the Horticultural Society was held at 13 Congress street January 8. Assistant Secretary Kanst reported the membership dues well paid up. Treasurer Rudd stated that there was a cash balance on hand of $5,665.58 and showed certified checks therefor. The society endorsed the resolutions bearing on an increased appropriation for the state entomologist. Philip J. Schupp and Carl Cropp were elected members. The meeting was adjourned until January 16, when the election of officers will be held, E. G. Uihlein, C. L. Hutchinson, W. N. Rudd and J. C. Vaughan being appointed on the committee of nominations.

Peter Reinberg will build a couple of houses for violets this season. This is in line with the recently adopted policy of Mr. Reinberg to grow all the stock needed to completely fill all orders. This is a decided departure, but one that will no doubt be appreciated by all patrons of this house. Fine lots of rose and carnation cuttings are now being shipped from the greenhouses.

The Flower Growers' Co., proprietors of the Flower Growers' Market, held its annual meeting January 3 for the purpose of electing directors and officers. The officers for the ensuing year are: E. Buettner, president; W. L. Tonner, vice-president; F. R. Hills, treasurer; Alex. Henderson, secretary; Percy Jones, financial secretary and manager.

The A. L. Randall Co. will begin receiving its usual supply of fine white lilac about January 20. A big importation of cycas leaves has just been received. These have heretofore been received from domestic sources, but it is thought that the leaves brought from over the ocean will be better liked and more eagerly taken.

According to the ice men the problem of securing ice for the approaching season is becoming a serious one. If a good freeze-up does not occur within the next two or three weeks ice will have to be shipped from points further north. This is hard, not only on the ice dealers, but the florists also, who are such large users of the article.

The first tulips of the season in this city were seen at Zech & Mann's last week. This firm is also receiving a good quality of Bride and Bridesmaid roses. John Zech has been exceptionally busy the past week owing to the fact that mumps broke out in his bookkeeping department.

C. L. Washburn, of Bassett & Washburn, returned from a stay of several days at West Baden, Ind. Mr. Washburn says it was much more like summer than midwinter, the mercury rising to 70° and over. He plainly shows the fine results of having been daily in the saddle and fresh air.

Charles W. McKellar has in a fine lot of Cattleya Trianæ, which will now be in good supply for some little time. Lælias, too, are a feature of the orchid trade that are in good supply and demand. Gardenias are coming in with good stems and fine blooms.

Sinner Bros. will grow several new varieties of carnations this coming season. Five thousand plants have been bought, including Winsor, Victory, Aristocrat, White Enchantress and White Perfection.

Leonard Kill and wife will attend the convention of the American Carnation Society to be held at Toronto January 23 and 24.

An exceptionally fine crop of Bridesmaid roses can be seen at the present time at Wietor Bros.

August Juergens reports having some exceptionally fine lily of the valley.

A. McAdams is about to go into a hospital for a slight operation.

"The Busiest House in Chicago."

J. B. DEAMUD CO.
51-53 Wabash Ave., CHICAGO.

All Flowers and Greens in Season.

J. B. DEAMUD, Pres. W. P. KYLE, Vice-Pres ALEX. NEWETT, Mgr.

Zech & Mann
Wholesale Florists
Room 218, 51 Wabash Ave., CHICAGO
Telephone, Central 3284.

Visitors: H. W. Buckbee, Rockford; John Willius and son, Danville; H. E. Philpott, Winnipeg, Man.; Joseph Kranz, Muscatine, Ia.

Bloomington, Ill.

The following is a list of the various committees named at the recent Florists' Club meeting: Arrangements.—F. L. Washburn, J. Gee, Arthur Graves. Exhibition.—Geo. A. Washburn, F. H. Rowe, W. F. Hempstead. Finance.—J. G. Robinson, Geo. J. Foster, A. R. Knowles. Reception—W. W. Rike, Geo. Callikan, Bruno Nehrling, J. Knowles, F. A. Baller, Geo. J. Foster, J. W. Adams, Andrew Washburn, Harry Johnson, E. L. Washburn, L. G. Adams, L. W. Moran, Arvid Anderson, Fred Madden, Herman Garbe, Joe Kirby.

These constitute the working committee for the annual meeting to be held here February 19 and 20, from which results highly beneficial to state floriculture are anticipated.

J. F. AMMANN.

Indianapolis.

TRADE NOTES AND GOSSIP.

New Year's business this year was ahead of that of last year and business has continued very good since. Demand for cut flowers was greater than supply and prices were according.

We are pleased to report that Edward J. Brown, of Shelbyville, who has been seriously ill for some time, is getting along nicely. Mr. Brown was in Indianapolis last Saturday.

The funeral of Mrs. Murray, of Butte, Mont., who was buried in this city, brought a great deal of funeral work.

A little daughter made her appearance at each of the homes of A. Bauer, of Bauer & Smith, and of Carl Glaubke.

Bertermann Bros. are to plant an acre rose garden on the east side of their sugar grove in Cumberland.

Edward Cossairt, of Cossairt & Son, of Shelbyville, is still in California.

J.

TAYLOR, TEX.—Mrs. Will Reid has just completed a new greenhouse 12 x 30 feet.

WHITE VIOLETS, Exceptionally Fine, $2.00 per 100.
GARDENIAS, In Quantity, 50c each.
S. S. PENNOCK-MEEHAN CO., 1610-1618 LUDLOW ST., Philadelphia, Pa.

Philadelphia.

PRICES OFF.

The past week has been quiet, the weather wet or cloudy and unusually warm for the season. This has had a bad effect on flowers, the stock coming in soft and off color. Prices have fallen considerably. The top price for American Beauty roses is now $9 per dozen. Bride and Bridesmaid roses range from $12 to $15, Liberty $15 to $25. Carnations are in fairly good supply at $6 per 100, with a few of the specials, including the best red, selling at $8. Double violets are now $1.50, singles 50 cents to 75 cents. Blooming plants that failed to make the holidays are now to be had in quantity. Azaleas and cyclamens are the leaders and some choice stock is seen in the store windows. The midwinter balls and other large social affairs are now on. Habermehl had the decorations at the Bellevue-Stratford for the Van Rensselaer and also the first assembly ball, both of which were elaborate affairs in a decorative sense. Carnations are now bursting badly owing no doubt to the dull weather, there being little sunshine lately. Rubbers are deftly put on but are almost invariably looked on with distrust by customers. The best stores will not handle them at any price.

NOTES.

The Leo Niessen Co. is still talking of its great Christmas business. To turn over 13,000 American Beauty roses during Christmas week is a feat which any house in the country would consider an almost record-breaking event. Mr. Niessen said that although carnations are said to be scarce, they sent out the same quantity or a little more than last year and from now on there would be no trouble to fill orders. Some very choice white Laelia anceps is now in stock.

It is said that better bulbs of the various narcissi are now grown in Virginia than can be imported. One large firm is so thoroughly convinced with the results obtained that over 50 acres are now under cultivation with the hope that they will soon be able to control or rather supply the home market.

The finance committee appointed to take up the matter of providing funds for the entertainment of the coming convention met last Tuesday and went over the work in a general way. From the consensus of opinion of those present there will be little difficulty in collecting the necessary money.

The Pennock-Meehan Co. is pushing orchids with a vengeance. Cattleyas are to be seen here in quantity at any time. Extra fine double white and purple violets are handled in large quantities. Coming in at noon of the day they are packed their odor adds greatly to their value.

Robt. Craig has just taken off another large batch of Ficus pandurata branch cuttings, rooted on the plants. As grown here this plant seems well night perfect, but Mr. Craig says wait until convention time next August and I then hope to show the possibilities of this great plant.

The Robt. Scott Co. is now cutting the best gardenias ever seen in this market. The flowers are very large and regular in shape, resembling small camellias. The Pennock-Meehan Co. and Edw. Reid are handling this stock.

Wm. McKissick is handling something fine in mignonette. Natural cycas leaves from local growers are always kept in stock here, a great convenience for the retailer who often wants them in a hurry.

Campbell & Unruh, of Center Square, Montgomery county, have dissolved. Mr. Unruh will continue the business, while Mr. Campbell has engaged with Myers & Sampson, of Wyndmoor.

The paper read by S. S. Skidelsky on our credit system before the Florists' Club at its last meeting was a very able presentation of the subject and created much favorable comment.

Chas. Zimmer, Jr., of W. Collingswood, N. J., died January 4, aged 31 years.

POSTSCRIPT.

Starting Tuesday, January 8, the Florists' Gun Club began a series of five shoots at the Wissinoming grounds for a handsome and valuable trophy donated to the club by a big manufacturing concern. The conditions of the shoots are that a series of five are to be held on the second and fourth Tuesdays of each month, the first starting next Tuesday afternoon. Each gunner is to shoot at 50 targets, handicap rise, with the use of both barrels. The scores of three shoots only will be used in making up the winning total. Any member attending more than three shoots may select his three best scores. All contestants will start at a 16-yard rise and will be handicapped by their own score, the handicap changing every 25 targets. K.

SOME NEW YEAR CALLS.

The private estate of Randall Morgan on Willow Grove avenue is well worth a visit. Although this is not the season when landscape features show at their best there is plenty in sight to prove that good heads and hands have been busy. Incidentally it may be stated that a private estate of 150 acres is seldom found in a great city.

The enlargements that have been made in the ranges of the Burton's since I last visited them speak of abundant prosperity. Just at present, after a big holiday trade, everything is cut pretty close but prospects are promising.

Thaddeus Yates was found in the midst of a luxuriant growth of lilies, azaleas and bedding and box plants. A noticeable feature was the great number of fine variegated vincas, all available space being utilized.

I found John Burton, the hustling man of business, in the tender and sympathetic role of amusing his little grandson. Again the grim destroyer has visited this household and a mother has been taken. S. E.

LONDON PARIS BERLIN

Established 1850. Thos. F. Galvin Incorporated.

CHOICE ROSES, ORCHIDS AND VIOLETS

124 Tremont Street. Boylston and Fairfield Streets.

BOSTON, MASS.

POINSETTIAS

$25.00 to $40.00 per 100.

THE LEO NIESSEN CO.

WHOLESALE FLORIST.

Open From 7 A. M. to 8 P. M.

1217 Arch St., PHILADELPHIA, PA.

AMERICAN BEAUTIES.

Any quantity of the very finest coming to this market, and a full line of everything in cut flowers and supplies.

PITTSBURG FLORISTS' EXCHANGE, Pittsburg, Pa.

NOW READY

to fill orders for **American Beauties, Lily of the Valley, Carnations** and all varieties of **Tea Roses** in lots of one hundred to one thousand at short notice. Get our prices before ordering elsewhere.

WELCH BROTHERS, 226 Devonshire St., BOSTON, MASS.

ASPARAGUS PLUMOSUS NANUS.

Cut Strings, 50 cents each.

W. H. ELLIOTT, Brighton, Mass.

THE

J. M. McCullough's Sons Co.

Wholesale Commission Florists.

CONSIGNMENTS SOLICITED.

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES, SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

Please mention the American Florist when writing

Holton & Hunkel Co.

Wholesale Florists

Milwaukee, Wis.

Please mention the American Florist when writing.

Nephrolepis Whitmani

Young plants from bench,

$6.00.....per 100.

DAVIS BROS., Morrison, Ill.

Please mention the American Florist when writing

Nephrolepis Whitmani

2¼-inch, $10.00 per 100,

Boston Ferns 2¼-in. $3.00 per 100.

Henry H. Barrows & Son, WHITMAN, MASS.

Please mention the American Florist when writing.

Wholesale Flower Markets

PHILADELPHIA, Jan. 9.

Roses, Tea	6 00@ 8 00
" extra	10 00@15 00
" Liberty	6 00@25 00
" Queen of Edgely, extra	50 00@75 00
" " first	15 00@35 00
" Beauty, extra	50 00@75 00
" first	15 00@35 00
Carnations	4 00@ 8 00
Lily of the Valley	3 00@ 5 00
Asparagus, bunch	25 00@50 00
Smilax	15 00@20 00
Adiantum	1 00@ 1 50
Cattleyas	60 00@75 00
Gardenias	40 00@50 00
Lilium Harrisii	12 00@15 00
Violets, single	50@ 75
" double	1 00@ 1 50
Callas	25
Roman Hyacinths	3 00@ 4 00
Narcissus	3 00@ 4 00
Cypripediums	15 00@ 20 00
Mignonette	4 00@ 8 00

BOSTON, Jan 9.

Roses, Beauty, best	50 00@75 00
" " medium	25 00@35 00
" " culls	8 00@16 00
" Bride, Bridesmaid	2 00@ 4 00
" Extra	8 00@16 00
" Liberty	6 00@25 00
Carnations	2 00@ 3 00
" Fancy	4 00@ 6 00
Lily of the Valley	2 00@ 4 00
Smilax	12 00@16 00
Adiantum	1 00@ 1 50
Asparagus	35 00@50 00
Violets	75@ 1 00

BUFFALO, Jan. 9.

Roses, Beauty	$4 00 to $10 doz
" Bride, Bridesmaid, Meteor	4 00@18 00
Carnations	2 00@ 6 00
Lily of the valley	3 00@ 5 00
Asparagus, strings	40 00@50 00
Smilax	15 00
Adiantum	75@ 1 50
Lilies	5 00@15 00
Violets	1 00@ 1 50
Stevia	1 00@ 1 25
Romans and Narcissi	2 50@ 3 50

J. B. MURDOCH & CO.

WHOLESALE FLORISTS,

FLORISTS' SUPPLIES.

545 Liberty Ave., PITTSBURG, PA.

Please mention the American Florist when writing.

H. G. BERNING,

Wholesale Florist

1402 Pine St., ST. LOUIS, MO.

Please mention the American Florist when writing.

WM. C. SMITH & CO.

WHOLESALE FLORISTS.

1316 PINE ST.,

Bell, Main 2018. Kinloch, Cent. 410. ST. LOUIS, MO.

Please mention the American Florist when writing.

C. A. KUEHN,

Wholesale Florist,

1122 Pine St., ST. LOUIS, MO.

A Complete Line of Wire Designs.

Please mention the American Florist when writing.

POINSETTIAS. ALL SEASONABLE CUT FLOWERS.

ABSOLUTELY THE BEST POSSIBLE SERVICE.

W. E. McKissick

WHOLESALE FLORIST.

Business Hours 7 a.m. to 8 p.m. 1221 Filbert Street, PHILADELPHIA, PA.

WHOLESALE CUT FLOWERS. Valley, American Beauties, Brides and Maids, Sprengeri, Asparagus Plumosus, Carnations and Violets all seasonable flowers. Large stock of Stevia on hand, can supply you at lowest market prices on short notice. Telephone or telegraph when you need cut flowers to

HENRY M. ROBINSON & CO., 15 Province St., 9 Chapman Place, Boston, Mass.

Tel. Main 2617-2618. All orders will have prompt attention. A trial order will convince you

New York.

STOCK GOOD—TRADE DULL.

With rain and fog, and rain again, it was not to be expected, in the opening days of 1907, that the market could be buoyant. In the wholesale district it was remarked by several dealers that as the weather was affecting the growers as much as anybody there was a corresponding decline in receipts, thus leaving room for a reasonably fair clean-up. Notwithstanding the bad weather the representatives of all branches of the trade seem cheerful and hopeful, having faith in the future of the flower trade here. From the large wholesale and retail men, down the line to the humble street vender, there is no such word as fail. It is a tribute to the good work of many growers that stock is as good as it is, considering the weather. Some fine lots of Killarney and Mme. Chatenay roses are coming in, while Winsor, Enchantress, Mrs. Patten and Victory carnations never looked better. Alma Ward is a beauty that comes near being in a class by itself. Cattleyas may be seen in most of the stores, which is evidence that the orchid is coming within the reach of more people as the trade expands. Quite a sprinkling of camellias are to be seen, but whether they will ever regain the popularity they once enjoyed, is a moot question. They deserve a place.

WHOLESALE NOTES.

The weather man laid aside his grouch and smiled benignly on the second annual ball of the wholesale florists' employes, at Manhattan casino, One Hundred and Fifty-Fifth street and Eighth avenue, on the night of January 5. Excellent music was furnished by the band of the 22d regiment; the light fantastic toe was stepped to perfection and everybody was happy. The tickets, admitting gentleman and lady, were sold at the very moderate price of 50 cents.

Alex. J. Guttman, like others of the Twenty-eighth street dealers, is never too busy to be obliging. On January 4 he had on hand a bunch of seedling carnations from Henry Eicholz, Waynesboro, Pa. They had been in the store four days and still looked fresh.

Frank White, who represents John White's greenhouses, Elizabeth, N. J., was on Twenty-eighth street January 5. His firm is sending in fine smilax and stevia.

W. F. Sheridan, genial as ever, said he was very well satisfied with holiday business. He had just received a fine lot of fancy carnations.

The Coogan building shelters a number of good men, Joseph Millang, for example, as well as Moore, Hentz & Nash, and others.

At John Young's shipments are being received of excellent lily of the valley, Alma Ward carnations and a general run of fine stock.

Ford Bros. are handling a good line of stock; worthy of note is a good supply of excellent stevia.

George Saltford is feeling good over the violets which he handled for the holiday trade.

The greenhouse at Chas. Millang's, though small, is well stocked.

John Seligman says he was well satisfied with holiday business.

Reed & Kellar have some good things in store for the retailers.

J. S. Fenrich is handling a fine quality of lily of the valley.

A few tulips are on the market but the stems are short.

RETAIL NOTES.

Though the weather up to January 5 was bad, the retailers seemed to vie with each other in fine window displays. At Warendorf's there were orchids, camellias, baskets made up of roses and other fine stock. The baskets were of budding twigs set in vases, with a card attached reading: "Flowers arranged in water can be sent out just as you see here."

Through jealousy Geo. Falton, retail florist, on the evening of January 7 killed Mrs. Wiedeman, seriously wounded Pauline Ratel and attempted suicide at 30 W. Eighty-second street.

At Fleischman's Broadway store there was a display of cattleyas, banked with adiantum and smilax trimmings, that attracted much attention. His Fifth avenue store came out strong in fine plants.

Beecher once said that God might have made a better berry than the strawberry, but probably never did. The saying could be applied to Alex. McConnell's single violets.

The surroundings at J. H. Small & Son's Waldorf-Astoria store are so dazzling that it takes extra fine stock to compete, but they had it in abundance.

There is a very attractive display of boxwood plants in front of W. H. Donohoe's store, with fine flowering plants and cut flowers in the window.

Thomas Young's Fifth avenue store was beautiful with orchids, gardenias and other fine stock.

Scallen's display of Killarney roses and Alma Ward carnations was very fine.

Bowe has a good display of foliage and flowering plants.

Albany, N. Y.

BUSINESS GOOD.

A resume of the holiday trade for the season of 1906-7 reveals the fact that the florists of Albany shared in the general prosperity of the country to a degree probably beyond the record of any year in the memory of any of them in the business today. Complaint was made of the scarcity of good carnations, particularly of red and pink varieties, but this seems to have been general. The public bought flowering plants in liberal numbers. The demand was greatest for poinsettias in pans, with azaleas and ardisias in about the order named. Next to flowering plants the public asked for baskets, or hampers, of plants in flower of different varieties common at the holiday season. The inauguration of Gov. Charles E. Hughes on January 1 and the convening of the legislature on the following day caused a very large demand for set pieces of goodly size. Many of these were presented to the members of the legislature by admiring friends, and those who were forgotten on January 2 were remembered when the legislature convened again on January 9. The season, so far, is also notable for the number of social functions which have taken place. R. D.

Syracuse, N. Y.

The Dennison-Hudson wedding decorations were in charge of Henry Morris. The altar at St. Paul's church was decorated with Merry Christmas chrysanthemums with a background of asparagus. There were a number of arches covered with asparagus and white Enchantress carnations. Palms were used inside the chancel. At the house, the reception room was decorated with Begonia Gloire de Lorraine and asparagus. Musicians were screened behind palms and the staircases were entwined with smilax. The bridal bouquet was made of lily of the valley, gardenias and maiden hair ferns with white shower. For the matron of honor there was a bouquet of pink roses, lily of the valley and a white shower. The five bridesmaids carried pink roses with pink showers.

Christmas and New Year's trade was about the same as in former years. An increased demand for plants was noticed, but cut flowers were unsatisfactory and the best stock so high that but few would pay the price. Violets had a good sale and the stock was good.

Miles Hencle, formerly a member of the firm of Wheadon & Hencle, who went into the restaurant business, has entered the florist business again in a smaller way. He furnishes flowers for decorations and superintends arrangements.

P. R. Quinlan & Co. are cutting some fine callas and the violet houses are producing well. American Beauty roses have not yet recovered from the holiday cut.

At the Wheadons it was reported that cut flowers are somewhat scarce on account of the dark weather, there having been only one sunny day in a month.

Bard & Davis are rapidly increasing their business in the west end. They have recently put into service a splendid delivery outfit. A. J. B.

VICTORY HAS MADE GOOD.

Place your orders early for Rooted Cuttings. Prices: $6.00 per 100; $50.00 per 1000.

GUTTMAN & WEBER,

The Wholesale Florist of New York, 43 W. 28th STREET. Grower, LYNBROOK, L. I.

HORACE E. FROMENT, Wholesale, Commission,
Successor to William Chormley.
Orchids, Roses, Carnations, Valley, Lilies, Etc.
57 West 28th Street, NEW YORK CITY.
Telephones 2200 and 2201 Madison Square.

Alexander J. Guttman,
THE WHOLESALE FLORIST OF NEW YORK,
43 West 28th Street.
Write for prices on any variety of cut flowers, not only for New Year's, but for all the year round. Enough said.

Choice Carnations. Selected Roses.
Traendly & Schenck
NEW YORK CITY,
44 W. 28th Street, Cut Flower Exchange.
New Telephone No. 798 & 799 Madison Sq.
Please mention the American Florist when writing

CARNATIONS
MY SPECIALTY
Consignments Solicited. Prompt Payments
Established 1891.
Alfred H. Langjahr, 55 W. 28th St., NEW YORK.
Telephone 3924 Madison Square.
Please mention the American Florist when writing.

FORD BROS.
Receivers and Shippers of
Fresh Flowers
48 West 28th St. NEW YORK.
Telephone 3870-3871 Madison Sq.

N. Y. Cut Flower Exchange
Coogan Bldg., 6th Ave. & W. 26th St., New York.
Open for Cut Flower Sales at 6 o'clock Every Morning.
Desirable Wall Space to Rent for Advertising.
V. S. DORVAL, JR., Secretary.

JOHN P. SCHERER
Wholesale Dealer in
EVERGREENS, GALAX, FERNS and DECORATIVE SUPPLIES.
Greens and Trees a Specialty.
Telephone 328 L Union. 636 Garden St., UNION HILL, N. J.

ORCHIDS
Largest Importers, Exporters, Growers and Hybridists in the World.
SANDER, St. Albans, England.
NEW YORK OFFICE: Room 1, 235 Broadway. T. MELLSTROM Agent.

Orchids!
ARRIVED IN FINE CONDITION.
Cattleya Harrisoniae, C. Intermedia, C. Gigas, C. Trianae, C. Speciosissima, C. Leopoldii, Laelia purpurata, Oncidium varicosum Rogersii, Marshallianum, Phalaenopsis amabilis and P. Schilleriana.
Lager & Hurrell, SUMMIT, N. J.
Orchid Growers and Importers.

ORCHIDS...
Importations 1907.
You can save money by getting our quotations on Cattleya Labiata, Trianae, Percivaliana, Mossiae, Mendelli, Schroderae.
JULIUS ROEHRS CO., Orchid Growers, Rutherford, N. J.

Charles H. Totty
WHOLESALE FLORIST
Chrysanthemum Novelties A Specialty. MADISON, N. J.
Please mention the American Florist when writing.

Wholesale Flower Markets

NEW YORK, Jan. 9.

Roses, Beauty, best	60 00@ 75 00
" medium	10 00@20 00
" culls	2 00@ 6 00
Richmond best	8 00@15 00
" culls	1 00@ 2 00
" Liberty, best	8 00@10 00
" culls	1 00@ 2 00
" Bride, Bridesmaid, G. Gate	3 00@10 00
" Killarney	3 00@10 00
" Kaiserin	3 00@10 00
Carnations	2 00@ 5 00
" fancy and novelties	5 00@ 8 00
" common	2 00@ 3 00
Violets	50@ 1 00
Lily of the valley	1 00@ 4 00
Lilies	5 00@15 00
Adiantum	50@ 1 00
Asparagus	20 00@50 00
Jonquils	2 00@ 4 00
Tulips	2 00@ 3 00

Thomas Young
WHOLESALE FLORIST.
43 West 28th St., NEW YORK.
Please mention the American Florist when writing.

N. Lecakes & Co.
53 W. 28th St., NEW YORK.
Tel. No. 1214 Madison Square
Stands at Cut Flower Exchange, Coogan Bldg., W. 26th Street & 34th Street Cut Flower Market. SPECIALTIES: Galax Leaves, Ferns and Leucothoe Sprays, Holly, Princess Pine and all kinds of Evergreens.
Green and Bronze Galax Leaves. $1.00 per 1000.
Please mention the American Florist when writing

A. J. FELLOURIS,
J. J. Fellouris, Manager.
Wholesale and Retail Dealer in all kines of
EVERGREENS, Fancy and Dagger Ferns, Bronze and Green Galax.
Telephone, 2675 Madison Square.
52 West 28th Street, NEW YORK.
Please mention the American Florist when writing

George Cotsonas & Co.
Wholesale and Retail Dealers in all kinds of
Evergreens.
Fancy and Dagger Ferns, Bronze and Green Galax.
Phone 1202 Mad. Sq.
Main Store. 50 W. 28th St., NEW YORK
Please mention the American Florist when writing.

—FLOWERS SHIPPED BY—
JOHN I. RAYNOR
Are the best product of the best growers for the New York Market.
Adiantum Croweanum sold here exclusively.
49 W. 28th St., NEW YORK.
Tel. 1998 Madison Square.

Walter F. Sheridan,
WHOLESALE FLORIST,
Telephones 3532 and 3533 Madison Square.
39 West 28th St., NEW YORK.
Please mention the American Florist when writing.

J. Seligman. Joseph J. Levy
John Seligman & Co.
WHOLESALE FLORISTS
56 West 26th Street, NEW YORK.
OPPOSITE N. Y. CUT FLOWER CO.
Everything in Cut Flowers. Consignments from growers solicited. Prompt returns. Best prices. Satisfaction guaranteed. Tel. 4878 Madison.
Please mention the American Florist when writing.

Moore, Hentz & Nash,
Wholesale Commission Florists,
55 and 57 West 26th Street,
Telephone No. 756 Madison Square. New York.
Please mention the American Florist when writing.

A. M. HENSHAW
Wholesale Commission Florist,
Consignments of first-class stock solicited. A Square Deal guaranteed to all who trade here.
Telephone 5583 Madison.
52 W. 28th St., NEW YORK
Please mention the American Florist when writing.

A. L. Young & Co.
WHOLESALE FLORISTS.
Consignments of choice cut flowers solicited. Give us a trial.
54 West 28th St, NEW YORK.
Telephone, 3559 Madison Square.

C. W. EBERMAN
Wholesale and Commission
PLANTS AND EVERGREENS
GALAX, FERNS, MOSS.
Consignments Solicited.
53 W. 30th Street, Telephone 3767 Mad. Sq. NEW YORK.

THE KERVAN COMPANY,
20 West 27th St., NEW YORK.
Wholesale dealers in fresh cut Palmetto and Cycas Palm leaves, Galax, Leucothoe Ferns, Mosses and all Decorating Evergreens.

J. K. ALLEN.
Wholesale Commission Florist.
106 West 28th St., NEW YORK CITY.
Open every day at 6:00 A.M. Tel. 167 Madison S

CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

William H. Donohoe, No. 2 West 29th St., (One Door Off 5th Ave.) NEW YORK.

PHONES: 3034 and 3035 MADISON SQUARE.

Write, wire or telephone your orders to the above. Personal attention assured.

The best is none too good. Prices always right. Send me your next order.

DETROIT.

JOHN BREITMEYER'S SONS

Cor. MIAMI and GRATIOT AVES.

DETROIT, MICH.

...Artistic Designs...

High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

MILWAUKEE.

C. C. Pollworth Co.

MILWAUKEE, WIS.

Will take proper care of your orders in WISCONSIN.

INDIANAPOLIS.

Bertermann Bros. Co.

FLORISTS

241 Massachusetts Ave., INDIANAPOLIS, IND.

ST. LOUIS.

Fred. C. Weber,

FLORIST,

4320-4328 Olive St., ST. LOUIS, MO.

Established 1873. Bell, Lindell 676.

DENVER.

The Park ...Floral Co.

J. A. VALENTINE, President. DENVER, COLO.

OMAHA.

HESS & SWOBODA,

Florists,

1415 Farnam Street, OMAHA, NEB

'Phone 1501 and L. 1588.

Please mention the American Florist when writing.

DENVER.

FLORAL DESIGNS AND FLOWERS.

Best Quality on Shortest Notice.

DANIELS & FISHER, DENVER, COLO.

Order by mail, telephone, telegraph or cable.

Cable address: "Daniels Denver."

LONDON PARIS BERLIN

A. Lange

Prompt Attention to STEAMSHIP ORDERS.

Main Address 40 East Madison Street, Heyworth Bldg. ...CHICAGO.

Agents in all Leading European Cities.

GUDE BROS. CO. FLORISTS 1214 F ST. N.W. WASHINGTON, D.C.

WASHINGTON, D. C.

Gude's.

CHICAGO.

P. J. HAUSWIRTH

Auditorium Annex,

CHICAGO.

Mail, telegraph or telephone orders filled promptly in best style.

BUFFALO.

Palmer's

Buffalo, N. Y.

W. J. Palmer & Son, 304 Main St.

WASHINGTON.

GEO. H. COOKE,

FLORIST

Connecticut Avenue and L Street, WASHINGTON, D. C.

KANSAS CITY.

Samuel Murray

...FLORIST...

Coates House Conservatory

1017 Broadway, KANSAS CITY, MO.

Both 'Phones 2670 Main.

Write, Telephone or Telegraph. All orders given prompt attention.

KANSAS CITY.

GEO. M. KELLOGG,

906 Grand Avenue,

KANSAS CITY and PLEASANT HILL, MO.

Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

BROOKLYN, N. Y.

Robert G. Wilson

Fulton St. and Greene Ave. BROOKLYN

Greenhouses: Short Hills, N. J.

—Deliveries in—

Greater New York, Long Island and New Jersey.

Trade orders from all parts of the country filled for delivery at residence, steamer, hotel, or theater on wholesale basis. Satisfaction guaranteed. Wire or telephone.

ST. PAUL.

HOLM & OLSON,

ST. PAUL.

THE LEADING FLORISTS OF THE NORTHWEST

Orders will be well cared for anywhere in Minnesota and the Dakotas.

GALVESTON.

Mrs. M. A. Hansen,

—FLORIST—

Galveston, Texas.

Special attention given to Telegraph or Telephone Orders. 'Phone 1912.

JACKSONVILLE.

MILLS THE FLORIST,

36 W. Forsyth Street,

JACKSONVILLE, FLA.

WASHINGTON.

Mayberry & Hoover

Florists and Decorators

1339 Fourteenth St., Northwest

Telephone North 508. WASHINGTON, D. C.

New Orleans

CUT FLOWERS

For Tourists and General Trade.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, —838— CANAL ST.

COLUMBUS.

The Livingston Seed Co.

FLORISTS

Cover All Ohio Points. 114 North High St.

A. L. RANDALL
WHOLESALE FLORISTS
21 Randolph St., CHICAGO.

Roses, Carnations

and **Violets**—large crops and quality sure to please. We are **headquarters for Violets** in the west. Our fancy **White Lilac** will be ready January 20, which promises to to be of better quality than ever before.

Fanciest Mignonette, Valley, Etc.

SUPPLIES. New and up-to-date stock. Latest seasonable novelties on short notice.....

WRITE FOR QUOTATIONS.

The Cleveland Cut Flower Company,

WHOLESALE CUT FLOWERS, FLORISTS' SUPPLIES, WIRE DESIGNS.

215 Huron Road, CLEVELAND, OHIO.

Cut Flowers or Designs

Will be delivered for the Trade on Wire or Mail. Orders in Best Qualities and Prices.

ST. LOUIS.

Theodore Miller

FLORIST,

Long Distance Phone, Bell, Forest 56, Kinloch, Delmar 201. **4832 Delmar Boulevard ST. LOUIS, MO.**

DAYTON, O.

Matthews,

FflorIST,

16 W. 3rd St., DAYTON, O.

Flowers in any arrangement for all occassions for Dayton and vicinity. Long dis. phones.

ALBANY, N. Y.

EYRES

Flowers or Design Work.

DELIVERED IN ALBANY AND VICINITY ON TELEGRAPHIC ORDER.

11 NORTH PEARL ST., ALBANY, N. Y.

SAN FRANCISCO.

J. B. Boland Co.

Successors to Sievers & Boland,

FLORISTS.

47-49 Geary St., SAN FRANCISCO, CAL.

ROCHESTER.

J. B. KELLER SONS,

FLORISTS.

25 Clinton Ave., N., ROCHESTER, N. Y.

Rochester Phone 506. Long Dist. Bell Phone 2189.

ATLANTA.

ATLANTA FLORAL CO.

41 Peachtree Street, ATLANTA, GEORGIA.

THE

Rose Pink Enchantress

Is the best and the most profitable pink carnation in sight. If ever you had a good thing on your bench you will be sure to find one in the

Rose Pink Enchantress

Ask me who has it in your neighborhood, and I will unhesitatingly refer you to your own neighbor. It is **THE** carnation to grow.

Price:—Strong rooted cuttings, $7.00 per 100; $60.00 per 1000. Address

S. S. SKIDELSKY,

824 No. 24th Street, PHILADELPHIA, PA.

Please mention the American Florist when writing

Attention, Western Florists

Wholesale Growers of Carnations, Roses, Violets, Paper Whites, Callas, Plumosus, Sprengeri Smilax, Adiantum, etc.,

We Want to Hear from You.

Rising-Dunscomb Co., Inc., 205 No. Broadway, **LOS ANGELES**

ST. LOUIS.

WRITE, WIRE OR PHONE YOUR ORDERS TO

YOUNGS,

1406 Olive St. ST. LOUIS, MO.

Regular discount allowed on all orders, either Plants or Cut Flowers.

Phones: Bell, Main 2306, Kinlock, Central 4981.

Blackistone Florist
14th and H Sts. N.W.
Washington, D.C.

Please mention the American Florist when writing

LOUISVILLE.

JACOB SCHULZ, 644 Fourth Ave., LOUISVILLE, KY.

Cut Flowers of BEST QUALITY in season delivered promptly to any address.

Write, Telegraph or Telephone.

Cumberland and Home Phones 223 and 984.

Please mention the American Florist when writing.

CARNATIONS.

30,000 Rooted Cuttings Now Ready.

	100	1000		100	1000
L. Bountiful	$2.50	$20 00	Lawson.....	1.50	12.50
Enchantress	2.00	18.00	Q. Louise...	1.00	9.00
B. Market...	1.50	12.50			

BOSTON FERNS.

From bench: ready for 4 and 5-inch pots, $10.00 and $15.00 per 100 respectively.

ASPARAGUS.

Sprengeri, 2½-inch, extra large, $3.00 per 100; $25.00 per 1000. 3½-inch, good value, $5.00 per 100.

J. W. DUNFORD, Clayton, Mo.

Bell Phone: Lackland.

A Few Good Things You Want.

Cash with Order.

Dracaena Indivisa, 4 and 5-inch, $10.00 and $25.00 per 100.
Asparagus Plumosus, 2-in., $3.00 per 100. 3-in., $5.00 per 100.
Asparagus Sprengeri, 2-inch, $2.50 per 100.
Geraniums, S. A. Nutt, John Doyle, Perkins, Double Gen. Grant, La Favorite, 2 in. pots, $2.00. Rooted cuttings, $1.00 per 100. E. H. Trego and Castellane, 2-inch pots, $4.00 per 100.
Rex Begonia, nice plants, and 2½-inch, $5.00 per 100.
Boston Ferns, 5-inch, 30c each.
Pierson Ferns, 5-inch, 50c each.
Vinca Var., 2-in., $2.00 per 100.
Gladiolus, blooming buds, extra fine mixture, to close out while they last, 60c per 100; $5.00 per 1000.

GEO. M. EMMANS, NEWTON, N. J.

SPECIALTIES.

ROSES, from 3-inch pots. **CHRYSANTHEMUMS.**
CARNATIONS, for fall delivery. **SMILAX. VIOLETS.**
IN BEST VARIETIES.

Prices low. Send for list.

WOOD BROTHERS, Fishkill, N. Y.

ROBERT CRAIG CO.

ROSES, PALMS,

and Novelties in Decorative Plants.

Market and 49th Sts., Philadelphia, Pa.

Please mention the American Florist when writing

The Seed Trade.

American Seed Trade Association.
H. W. Wood, Richmond, Va., Pres.; C. S Burge, Toledo, O., First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas. Twenty-fifth annual convention at New York, 1907

ST. LOUIS, MO.—D. I. Bushnell is making a winter trip to Costa Rica.

CANNERS are ordering seed peas for the coming season in liberal quantities, so contract growers report.

VISITED MINNEAPOLIS: J. B. Agnew, general manager of the Pacific Seed Growers' Co., San Francisco, Cal.

ON January 5 we received Thorburn's trade list, in which that firm draws attention to five specialties in cauliflower seed.

THE Department of Agriculture has recently issued a bulletin on "Experiments in Growing Cuban Seed Tobacco in Alabama," by Geo. T. McNess and Lewis Ayer.

IT is suggested by one who has made careful observations of California grown onion bulbs that the advanced prices now being asked would entitle buyers to more careful selections in planting stocks than recent averages.

ACCORDING to the Crop Bulletin, Ontario, the clover seed crop is a light one, but alsike has turned out well where reported upon. Peas are an improvement over last year but turnip seed will be light. Mangel Wurzel is reported as good.

IT is worthy of note that, notwithstanding the great potato boom of a few years ago in England and the high prices paid for sensational novelties, the comparatively old Up-to-Date has been proved by exhaustive trials at Reading to still give the best results.

VISITED CHICAGO: J. C. Robinson, Waterloo, Neb., on his way to the meeting of the executive committee of the American Seed Trade Association at Washington, D. C.; A. J. Brown, Grand Rapids, Mich.; H. W. Buckbee, Rockford, Ill.; J. Robinson, of Rice & Co., Cambridge, N. Y.; Wm. Hagemann, New York.

FRENCH BULB growers report a mild winter thus far in southern France which has rather over-stimulated the growth of narcissus and freesia bulbs, making considerable injury possible in the event of later severe winter weather. Reports generally indicate the acreage for 1907 crop about the same as that of the past season.

LILY OF THE VALLEY APPRAISAL.—In a recent decision by T. S. Sharretts, the board of general appraisors at New York decided that lily of the valley roots must stand duty on a higher valuation basis. The roots, which were from H. Wrede, of Hamburg, were entered at 20 marks per 1,000, whereas the local officials raised the price to 20.90 marks per 1,000.

THE Batchelor Seed Store of Utica, N. Y., was incorporated at Albany, December 29, with a capital of $5,000. The directors are W. M. Ross and Chas. F. Saul, of Syracuse, and Arthur C. Langdon of Utica. The firm will remove its store from 28 Liberty street to a store in the Orpheum block, Lafayette street, where it will increase its old line of seeds and carry an extensive stock of poultry supplies and horse goods.

HOLLISTER, CAL.—A. J. Pieters, of the A. J. Pieters Seed Co., who expected to leave for the east last month has found it impossible to get away owing to the continual rains. In the heavy December storms in various places between five and 11 inches of rain fell in 36 hours. Since then there have been rains every two or three days so that the planting of seeds has been seriously delayed. Mr. Pieters hopes to call upon his eastern friends in the trade either the latter part of this month or early in February.

Against Free Seeds.

It will not be the farmers of Long Island and their friends alone who will express their contempt and opposition to this practice when the question is revived, but the National Grange, the National Farmers' Congress and other national, state and local organizations affiliated with them, besides the horticultural societies, will be lined up in hostility.—Boston Transcript.

Prices of Indoor Vegetables.

The prices of indoor vegetables at leading points January 5 were as follows: Cleveland, cucumbers, $16 to $17 per box; mushrooms, 60 cents to 65 cents per pound. Chicago, cucumbers, Illinois fancy, $1.85 to $2 per two dozen; No. 1, $1.50 per dozen; No. 2, $1 per dozen; radishes, 75 cents per dozen bunches; mushrooms, No. 1, 50 cents per pound; No. 2, 25 cents per pound. Kansas City, Mo., radishes, 20 cents to 40 cents per dozen bunches; cucumbers, $1.50 per dozen. Cincinnati, cucumbers, $1.25 per dozen; mushrooms, 40 cents to 50 cents per pound. Boston, cucumbers, $10 to $14 per box.

The Holly Car Hunt.

There was a mild sensation on Railroad Row this morning, when the Twenty-ninth Infantry, fully armed and in heavy marching order, drew up in front of the railroad offices and stacked arms, according to a mid-December issue of the Salt Lake News. Like wildfire the rumor spread that the Interstate Commerce Commission had called upon the United States regulars to enforce the law and see that the Christmas holly was delivered on time.

General Agent Harding of the Colorado Midland was trying to trace a consignment of holly when he glanced up and saw a lieutenant bearing down on the office. For a second his gaze rested on the long line of soldiers and then with a wild whoop Harding jumped for the cellar.

Imports and Exports.

During the week ending January 5 imports were received as follows:

New York.—H. Frank Darrow, two cases, 14 bags and 205 packages seeds, two cases and 22 packages plants; C. Rogers, four boxes orchids; Henry Nungesser & Co., 400 packages and 45 bags seeds; Decorative Plant Co., two cases artificial flowers; McHutchison & Co., 43 cases laurel trees; Peck & Velsor, two cases seeds; H. D. Whitestone, five cases laurel trees; American Express Co., 150 bags clover seed; T. L. Hopkins & Co., nine bags seeds; E. Hoenicke, five bags seeds; Lehn & Fink, 24 barrels flowers, three bags seeds; Vaughan's Seed Store, seven cases mushroom spawn and 16 bags seeds; Silva, Bussenius & Co., four bags seeds; Amermann & Patterson, 14 packages plants; E. A. Havemeyer, one package plants; P. Henderson & Co., 95 packages and three cases seeds; G. W. Sheldon & Co., 307 packages plants and 300 bags sugar beet seed; Stumpp & Walter Co., three cases plants; J. Spiero, one case bulbs; J. S. Bartel, 228 bags seeds; T. H. Gary & Co., two cases plants, one bag seeds; P. E. Anderson & Co., 17 bags seeds; W. Taat, 71 cases lily of the valley pips; Murray & Mitchell, 213 bags seeds; Andreas Olson, 150 bags clover seed; T. C. Pollock, two cases flower seeds; L. J. Spence, 400 bags sugar beet seeds; Waeber & Lea, 20 cases mushrooms; Wakem & McLaughlin, three barrels seeds; Holland-American Line, one bag seeds, two bags beans; Blue Ridge Despatch, 28 bags seeds; W. Hagemann & Co., 45 cases lily of the valley pips; O. G. Hempstead & Son, one case plants; Hensel, Bruckmann & Lorbacher, 21 packages seeds; C. F. Meyer, 46 cases lily of the valley pips; Maltus & Ware, three bags and one case seeds, 26 bags peas and one bag beans.

EXPORT.

New York.—Seeds, $24,226; peas, $2,318; beans, $1,265.

American Seed Trade Association.

A meeting of the executive committee of the American Seed Trade Association was held at the New Willard hotel, Washington, D. C., January 9.

A conference with the Bureau of Plant Industry has been arranged for January 10, when the seedsmen will submit the following questions to the representative of the government:

The Current Catalogue Onion Seed Prices.

As a matter of interest, showing the views of seedsmen in different parts of the country, the following table gives the pound prices from six leading American seed catalogues for 1907 on nine standard varieties of onion:—

	A	B	C	D	E	F
Danvers Yellow, Flat	....	$2.00	$2.25	$1.25	$2.00	$2.25
Danvers Yellow Globe	$3.00	2.50	2.50	1.70	2.25	2.50
Yellow Strasburg	2.75	2.00	2.25	1.25	1.75	2.25
White Portugal	....	2.50	2.50	1.25	2.25	2.50
Red Wethersfield	2.50	1.75	1.75	1.25	1.75	1.75
Southport Red Globe	3.75	2.50	2.25	1.70	2.25	3.00
Southport Yellow Globe	2.75	2.50	2.75	1.70	3.00	3.25
Southport White Globe	4.00	3.50	3.50	1.50	4.00	4.00
Australian Brown	....	2.00	2.00	1.25	2.00	2.00

1.—What is an adulterant, and what seeds should be considered as adulterants?
2.—Should the Secretary of Agriculture fix a limit below which the presence of certain seeds will not be considered as adulterants?
3.—Is the present method of getting seeds for analysis unfair to seedsmen and, if so, can it be improved?
4.—When no specific mention is made of the presence of adulterants, should seed containing them be considered as adulterated, without regard to the price asked or any designation, such as "screenings," "mixt." etc.?
5.—When a seedsman is found to have offered adulterated seed, should he be given an opportunity to explain, and, if so, how can the explanation affect publication?
6.—Should publication be based on mail samples, purchased lots or both?
7.—Should the price at which the seed is offered be included in the publication, and should the price be considered as an indication of the dealer's estimate of quality?
8.—Should the fact that certain seeds, sometimes used as adulterants, may have been harvested with the seeds in which they are found, prevent the latter from being considered as adulterated?
9.—Should the United States Department of Agriculture give seedsmen more assistance in testing seeds?
10.—Would a prohibitive tariff on such seeds as yellow trefoil, bur clover and Canada blue grass be advisable?

Catalogues Received

J. M. Thorburn & Co., New York City, flower and vegetable seeds and trade price list of seeds, etc.; Walter P. Stokes, Philadelphia, Pa., flower and vegetable seeds; W. Atlee Burpee & Co., Philadelphia, Pa., flower and vegetable seeds; A. T. Boddington, New York, seeds, miscellaneous requisites, insecticides, fungicides, etc.; Jas. J. H. Gregory & Son, Marblehead, Mass., vegetable and flower seeds; Barteldes Seed Co., Denver, Col., flower and vegetable seeds, etc.; Barteldes Seed Co., Oklahoma City, Okla., flower and vegetable seeds, etc.; Oscar H. Will & Co., Bismarck, N. D., trees and seeds; Gobin-Ebbert Seed Co., Rocky Ford, Col., vegetable and flower seeds; Cole's Seed Store, Pella, Iowa, vegetable and flower seeds; W. E. Marshall & Co., New York, bulbs, plants and garden requisites; R. & J. Farquhar & Co., Boston, Mass., flower and vegetable seeds, etc.

MUSHROOM SPAWN.

Frequent importations from England. Always fresh and lively.

J. J. STYER, Concordville, Pa.

The Chas. H. Lilly Co.

SEATTLE, WASH.

——Growers of——

PUGET SOUND CABBAGE SEED

Cannas

NOW IS YOUR OPPORTUNITY.

To reduce our enormous stock of **Cannas** we quote the following low prices for **strong, two-eye pieces.**

Order Early. Prices Raised in Catalogue

Burbank, Mme. Berat, Chas. Molin, J. Colette Rochaine, Robusta, $1.50 per 100; $12.50 per 1000.
Fl. Vaughan, Chas. Henderson, $1.75 per 100; $15.00 per 1000.
Pierson's Premier, Elizabeth Hoss, Pennsylvania, $2.00 per 100; $17.50 per 1000.
Musafolia, Mme. Crozy, Crimson Bedder, $2.50 per 100; $20.00 per 1000.
Oscoda, Martha Washington, Egandale, $3.00 per 100; $25.00 per 1000.
Direktor Holtze, The Empress, $6.00 per 100; $50.00 per 1000.
David Harum, $5.00 per 100; $40.00 per 1000.

Bargain prices on **Aster Seed** in last issue.

NATHAN SMITH & SON
ADRIAN, MICH.

HJALMAR HARTMANN & CO.

Growers for the Wholesale Trade Only.

31 Barclay St. NEW YOYK. | **12 Stormgade, COPENHAGEN.**

CAULIFLOWER and CABBAGE SEED

QUALITY SEEDS BULBS PLANTS
SEND FOR CATALOGUE.
ARTHUR T. BODDINGTON
342 West 14th St., New York.

——PURE CULTURE——

MUSHROOM SPAWN.

Per 10 bricks....$1.50 | Per 25 bricks..$ 3.50
Per 50 bricks.... 6.50 | Per 100 bricks.. 12.00

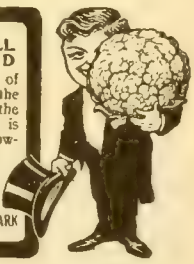
Fresh Tobacco Stems, in bales of 300 lbs..$1.50

W. C. BECKERT, Allegheny, Pa.

WIBOLTT'S SNOWBALL CAULIFLOWER-SEED

No. 34 is the earliest of all Snowballs, the most compact, the surest header, is giving the largest and snow-whitest heads, and is the best keeper in dry-weather. Demand it through your seed-firm or direct from

R. WIBOLTT, NAKSKOV, DENMARK



Vegetable Plants.

CABBAGE New Early and Succession, $1.25 per 1000.
LETTUCE Grand Rapids, Big Boston, Boston Market and Tennis Ball, $1.00 per 1000.
PARSLEY Moss Curled, $1.25 per 1000.
TOMATOES Lorillard and Mayflower, 40c per doz., $2.00 per 100.

R Vincent, Jr. & Son, White Marsh, Md.

SEEDS

If you are in need of any of the following, write us for prices.

Beet, Cabbage, Cannon Ball and Rocky Ford Musk Melon, southern-grown Watermelon, Bermuda and other Onion Seed, Okra, Mustard, French and California-grown Radish, Tomato, Mexican June Corn, Kaffir Corn, German Millet, Dwarf Yellow Milo Maize, Sugar Cane, Winter Barley, Red Rust Proof Oats, Cotton Seed, Whippoorwill and White Black-Eyed Field Peas, Spanish Peanuts, Johnson and Bermuda Grass.

TEXAS SEED AND FLORAL CO.
DALLAS, TEXAS.

C. C. MORSE & CO.

SEED GROWERS.

171-173 Clay Street, : SAN FRANCISCO, CAL.

OUR SPECIALTIES: Onion, Lettuce, Sweet Peas; also Carrot, Celery Celeriac, Cucumber, Endive, Leek, Mustard, Parsley, Parsnip, Radish, Salsify, Spinach, Tomato and **Flower Seeds.**

Growers for the Trade on Contract.

Warehouses: at SANTA CLARA. | **Farms and Farm Headquarters: CARNADERO, near GILROY.**

Registered Cable Address: "Morseed," San Francisco.

New Crop Flower Seeds

Just Received New Crop Stocks in Fine Condition.

SALVIA "BONFIRE," my own growing. **Celebrated 'Floracroft Strain'**....Trade pkt., 30c: per oz., $2.00
VERBENA, (Mammoth) white, scarlet, purple, pink, mixed.....Trade pkt., 30c: per oz., $1.25
PHLOX DRUMMONDII GRANDIFLORA, in separate colors, trade pkt., 20c: per oz., 75c. **Dwarf Compact,** "Snowball" and "Fireball," trade pkt., 30c: per oz. $1.50
ASTERS, finest sorts, many of my own growing.
ANTIRRHINUM, (Snapdragon) giant white, garnet, pink, scarlet, striped, yellow, mixed, trade pkt., 20c: per oz., 60c

My 1907 Market Gardeners' and Florists' Catalogues, also my **General Retail Seed Catalogue** for 1907 are now ready for distribution.

See my new **"STOKES' STANDARD"** way of selling vegetable seeds. **IT IS DIFFERENT.**

Stokes Seed Store.

219 Market Street, PHILADELPHIA, PA.

Denver.

FINE HOLIDAY TRADE.

A better Christmas trade than ever before was experienced throughout the state. There was an increase of from 10 to 15 per cent over previous years. The weather was ideal, remaining so until New Year's day. Stock was fairly scarce, especially American Beauty roses. Carnations were plentiful. Poinsettias sold well, but were not very plentiful. There is no market for tall poinsettias, the demand being for the low plants in pans. Azaleas sold very well, in fact everything in the line of plants was cleaned up. The only thing that any one had left over the next day was carnations, and that I think was due to the fact that the growers raised the price the week before Christmas from four cents to six, eight and ten cents, which held carnations back from that time until Christmas, and then there was a great slump on the market. Violets went to their usual price, retailing at $4 per 100; in fact, I think we got as high prices for all flowers here as are obtained anywhere in the east. We got from $18 to $24 for long stemmed American Beauty roses.

A meeting was held in the back room of the Alpha Floral Store on January 1, the object being to get together and talk over the past situation in regard to raising the prices of flowers during the holidays, and also to settle on a fair price for white carnations. The retailers seem to think they are being imposed upon by getting over a third of white varieties and paying the same price for these as for the colored, as there is no demand at Christmas for white carnations. We had a very enjoyable meeting. We do not know whether anything will come of it, but we hope so. Everybody on the growers' and retailers' side expressed their views and opinions. Those present were: Messrs. Long, of Elitch's Gardens, Valentine, of the Park Floral Co., Mahler, the violet grower, Braidwood, Wall, of Brinkert & Wall, Reynolds, Phil. Scott, Newlander, of Newlander & Rollin, Hall, Glauber, acting as toast-master, Mann, of the Alpha Floral Co., as host, Sinram, of the Sinram Floral Co., Lewis, of the Gallup Floral Co., Mauff, of the Mauff Greenhouse, Davis, of the Davis Carnation Co., and Walters.

NOTES.

Daniels & Fisher had a decoration at the Denver club, just after Christmas, December 28; also at the Denver athletic club's annual this week, and it has kept them very busy, these being two of the largest decorations of the season.

PLATTE.

Omaha.

HOLIDAY SEASON PROFITABLE.

The volume of Xmas and New Year's business has been immense this season. We had splendid weather before the holidays and therefore stock was good and plentiful. Potted plants in bloom sold better than ever before. Retailers made magnificent displays in their windows. Azaleas, Begonia Gloire de Lorraine, cyclamens, poinsettias, primulas, etc., could be seen in profusion and it seems they were all sold out. American Beauty roses sold from $5 to $18 per dozen; tea roses, from $2 to $5 per dozen; carnations, $1.50 to $2; lilacs, $4; lily of the valley, $1; narcissus, $1; hyacinths, 75c; mignonette, $1.50; poinsettias, $3 to $9; violets, $3 to $4. Holly and holly wreaths sold well. A lot of poor, dried-up holly was shipped in at a great loss to the shipper and the florist. Mistletoe was fine this season and sold well.

A baby girl was an arrival just before Christmas at the home of C. Ederer.

GRIPPE.

Detroit.

TRADE ERRATIC.

Trade conditions since New Year's has been somewhat erratic, varying from rather poor at times to some very busy days, the latter being the result of much funeral work without which many days would be very quiet with most dealers. Roses continue very scarce, the supply being entirely inadequate to the ordinary demand. Carnations too are daily sold out and even Roman hyacinths and Paper White narcissi are none too abundant. Violets are in fairly good demand and the supply fully equal to it.

CLUB MEETING.

The club meeting January 2, was well attended. The subject, "Review of the Christmas Trade," was well discussed and many suggestions calculated to improve the vexatious conditions incident to such a time were made. It was generally conceded that this holiday brought to nearly everyone an increase of business over the same time a year ago. The high prices on some varieties of cut flowers, notably roses, were attributed to the prevailing cloudy weather most general during the whole of December. The invasion of the product of the plant growers for this annual event was well recognized and the growers present gave notice of much greater preparations in this line for the future. Chas. Plumb, who made an extensive visit to Europe last summer, gave a report of his observations floriculturally while there.

A resolution was unanimously adopted expressive of the club's sympathy with Ex-President Robt. Flowerday, whose daughter died on Christmas day. Three more applications for membership were received and will be voted upon at the next meeting. The cigars were passed by A. Sylvester whose broad smiles plainly told it was a boy.

The sympathy of the trade is extended to Robt. Klagge and Herman Klagge whose mother died January 6 and was buried January 9.

J. F. S.

Ottawa, Ont.

Christmas has passed leaving pleasant recollections for all. A record holiday trade is reported but with no features out of the ordinary. Made-up baskets of moderate price sold well, those at $3 to $7 being most popular. Pot plants were in great demand, azaleas, cyclamens, solanums and Begonia Gloire de Lorraine being most in demand. Growers seemed afraid of the more expensive azaleas, but a few hundreds would doubtless have found a ready sale, as there were many inquiries. Cut flowers, especially colored stock, were very scarce, those shipped from a distance being sleepy and of poor quality. Doubtless the cloudy weather in some measure accounts for this. Even with the scarcity business is brisk and there is every indication of great development in the near future.

NOTES.

C. Scrim has a fine house of Lawson carnations and all other stock is looking well. His holiday baskets at the store were very fine and artistically made up.

Tom Davis, superintendent of government grounds, was asking about friends in Montreal and elsewhere.

Graham Bros. handled a large number of baskets but had not enough for their customers.

C. C.

Buffalo.

NEW YEAR'S TRADE GOOD.

New Year's trade was as good as could be expected. The weather scheduled was in some way sidetracked and April weather was what we had. The supply of stock was equal to all demands, carnations being plentiful; also all roses. As to plants, poinsettias and begonias were poor, while primroses and cyclamens were good. The charity ball on New Year's night, followed by the children's ball and numerous receptions, gave all plenty of work. Funerals have been numerous. The designs were of various proportions. Violets are good and having a ready sale.

NOTES.

If none of the florists who are members of the Florists' Club got a hair cut only at each meeting that President Neubeck called, there would be a fine bunch of lilacs on exhibition at the meetings. We may have one before Easter, and that will be three in two years. The only worker is E. C. Brucker, and it keeps him thin trying to collect dues and explain why there are no meetings.

M. C. A. Schnell, who has been with S. A. Anderson, went out with the old year and has opened a store on Broadway near the Market, in a locality where funeral work is a big factor. S. A. Anderson is getting a fine lot of his new unnamed primrose; it is a fine plant and a full bloomer.

We are waiting patiently to anounce the departure of W. J. Pulver, Wm. Scott, S. A. Anderson and L. H. Neubeck on a pleasure trip to rest up after the hard work of Christmas, according to reports they can afford to go.

As we look out of the door today it has every appearance of April. The thermometer is about 60 degrees and a copious rain is falling, which no doubt would be acceptable about three months from now.

The first drummer to arrive this year was C. B. Knickman, of McHutchinson & Co., New York, and Harry Bunyard has telephoned that he will be here shortly.

"Every ready" Grever, with his flower pot cover, has had a good trade.

Palmer & Son are now the owners of a fine automobile.

BISON.

MARYSVILLE, WASH.—C. D. Morrison is building a greenhouse 100 feet long, 20 feet wide at the end next the street and 18 feet wide at the back. This will for the present be heated by a furnace but later, steam is to be adopted.

DREER'S SUMMER FLOWERING BULBS.

The Begonias and Gloxinias offered by us are the best that skill and careful selection can produce, being grown for us by one of the most expert European specialists.

Tuberous Rooted Begonias.

Single Flowered, Scarlet, Crimson, White, Yellow, Rose and Orange, 40c per dozen; $3 00 per 100; $25 00 per 1000.

Choice Single Flowered in Mixture, 35c per dozen; $2.50 per 100; $22 00 per 1000.

Double Flowering. Scarlet, Rose, White and Yellow, 65c per dozen; $5.00 per 100; $40.00 per 1000.

Choicest Double Flowering in Mixture, 50c per dozen; $4 00 per 100; $35.00 per 1000.

New Hybrid Frilled Tuberous Begonias.

A most unique form with flowers of immense size, with wavy or frilled petals similar to the best forms of single petunias, 25c each; $2.50 per dozen; $20.00 per 100.

Gloxinia Crassifolia Grandiflora.

A very fine selected strain, strong, well-matured bulbs, Red, White, Blue, Red with white border, Blue with white border, in separate colors or in choicest mixture, 60c per dozen; $4 00 per 100; $35.00 per 1000.

Fancy Leaved Caladiums.

A choice selection of 25 distinct named varieties, fine large bulbs, $1.50 per dozen; $10.00 per 100. Choice mixed varieties, $1.25 per dozen; $8.00 per 100.

Our Quarterly Wholesale List has just been issued, and offers a full line of Seasonable Plants, Seeds and Bulbs.

HENRY A. DREER, - - Philadelphia, Pa.

CONRAD APPEL, DARMSTADT, GERMANY.

ESTABLISHED 1789.

Forest and Agricultural Seed Establishments,

HIGH GRADE GRASS SEEDS and ALFALFA

and Other Clovers, Agricultural and Forest Tree Seeds.

Trade Directory

—OF THE—

UNITED STATES AND CANADA.

PRICE $2.00, POSTPAID.

American Florist Co., 324 Dearborn St., Chicago.

A. J. Pieters Seed Co.

HOLLISTER, CAL.

— GROWERS OF —

Vegetable and Flower Seeds.

Special attention paid to selected stocks.

A. J. PIETERS, President and Manager.

John Scheepers & Co.

Finest Bulbs, Seeds, Plants and Valley.

NEW YORK CITY.

Send for valuable Free catalogue.

Please mention the American Florist when writing.

BURPEE'S SEEDS PHILADELPHIA.

Wholesale Price List for Florists and Market Gardeners.

Please mention the American Florist when writing.

MICE PROOF SEED CASES.

SEND FOR BOOKLET.

HELLER & CO., Montpelier, O.

SPIREA FOR EASTER FORCING.

If you have not got all the spirea that you want for Easter and Decoration Day, we still have a few thousand fine clumps left, which we offer as long as unsold as follows:

	Per 100
Gladstone. The best of all the spireas. Free bloomer, fine large spikes. Extra. Selected clumps	$12.00
Astilboides floribunda	$5.00
Case of 300 clumps for	$12.00
Compacta multiflora. Strong clumps	6.00
Japonica. Strong clumps	5.00

GLADIOLUS COLVILLI.

Alba "The Bride." White.....75c per 100; $6.00 per 1000
Rubra. Red.....60c per 100; 5.00 per 1000

MINIATURE HYACINTHS, or DUTCH ROMANS.

We still have a few thousand of these left, which we can supply in a fine assortment of named varieties.....$2.00 per 100; $16.00 per 1000

These can be potted up, if done at once, and will make nice Easter stock.

NARCISSUS.

Double Von Sion. We have a few thousand extra quality bulbs to offer. $1.50 per 100; $12.00 per 1000
Princeps. A few thousand extra sized bulbs..... .75 per 100; 6.50 per 1000
Single Von Sion..... 1.25 per 100; 10.00 per 1000

TULIPS.

Cottage Maid. The best pink for late forcing.....$1.00 per 100; $ 8.00 per 1000
Keizerskroon (Grand Duc). The favorite forcing variety..... 1.75 per 100; 15.00 per 1000

LILY OF THE VALLEY.

Pierson's Premier. Best selected Berlin for earliest forcing.....$1.50 per 100; $13 00 per 1000
Case of 2,000 for.....$24.00

If you can use any of the stock offered, let us have your order quickly.

F. R. PIERSON CO., Tarrytown-on-Hudson, New York

CANNAS

	Per 100
10 varieties, dry bulbs, my selection	$2.50
Geraniums, 10 var., my selection, 2-2½ pot	3.00
Pansy Plants, small, from frames, $3 per 1000	.50
Asp. Plumosus Seed, Feb. 15, $2.50 per 1000	.60

— CASH. —

JOS. H. CUNNINGHAM, Delaware, O.

THE WORLD'S BEST

Strain of Gaillardia. Seed saved this autumn from our collection of named varieties from best European growers. Colors run from primrose with pink center to deepest crimson, including solid yellows and reds. Plant now for summer bloom. Large packet, $1.00. Cash.

Riverside Greenhouses, AUBURNDALE MASS.

The Nursery Trade

American Association of Nurserymen.
Orlando Harrison, Berlin, Md., President; J. W Hill, Des Moines, Ia., Vice-President; George C. Seager, Rochester N. Y., Sec'y.
Thirty-second annual convention, Detroit, Mich., June, 1907.

A nursery is promised at Brookings, N. D., this spring.

AN excellent article on the hardy spireas, by John Dunbar, will be found elsewhere in this issue.

THERE is a merry row on in England about the American gooseberry mildew and some of the mycologists are falling foul of each other.

ALBION, N. Y.—Chas. Gray died December 17, 1906, from pneumonia. Deceased was 56 years of age and carried on business as a nurseryman.

CANAL DOVER, O.—C. Betscher is considering moving his present nurseries to Painesville, O., where he contemplates building a range of glass.

FRANKLIN, MASS.—M. J. Van Leeuwen, of the Continental nurseries is planning the erection of an up-to-date greenhouse, also a show garden of specimen plants. All kinds of shrubs and evergreens that are hardy in this section will be grown and exhibited.

PAINESVILLE, O.—Clare Haven, for several years of the Storrs & Harrison Co., has resigned his position to enter into partnership with the Wildemere Gardens, Highland Park, Mich., a firm which caters to a large ornamental tree and herbaceous plant trade.

WEST GROVE, PA.—A special meeting of the board of directors of the Conard & Jones Co., held December 29, elected Robt. Pyle as president, to fill the vacancy of the late Alfred F. Conard. Roland T. Satterthwaite was elected secretary and Mark Hughes director.

HIGHLAND PARK, MICH.—Wildmere Gardens filed articles of association December 12, showing its capital stock to be $10,000. Of this $6,300 is subscribed and only $400 paid in cash. J. A. Briscoe has 470 shares, Clare W. Haven, Painsville, O., 470; M. R. Briscoe, 50; Samuel E. Beylett, 10.

LARAMIE, WYO.—The State Board of Horticulture has revoked the license of the Mount Arbor Nursery Co. of Shenandoah, Ia., to do business in this state, the firm having delivered in the Big Horn Basin a carload of nursery stock badly affected with wooly aphis one of the seven diseases the board is fighting.—Denver, Col. Republican.

Hicksville, N. Y.

Business is good in every way. In the nursery line, Norway maples sell well, prices having increased 50 per cent the last six months. There is a great call for well grown conifers, such as white pine, Norway spruce, hemlock, arbor-vitæ and Colorado blue spruce. The best selling hedge plants are Berberis Thunbergii, and well grown California privet. Rowehl & Granz shipped 100,000 Gladiolus Augusta to Germany and Holland, January 2.

A Forester's Revenge.

A Bavarian forester, a poor and humble man, received an official communication from the town council partly printed, partly written. In the printed portion was the introductory word Herr, Mr., used in the address. The town council thought the forester not entitled to Herr and crossed it out.

The indignant forester went to see the town council about it, but got no satisfaction. The mayor told him that Herr was struck out because it was superfluous. Then the forester sent a reply to the official letter and addressed it to: "The soft-headed town council," but drew his pen through "soft-headed" as superfluous.—Chicago Chronicle.

City Nursery Projected.

The Sioux City, Ia., park commissioners are said to be seriously contemplating the establishment of a nursery, not only for public utility but also for supplying private citizens with trees. The site is not yet chosen but a small strip of land north of the city along the Perry creek bottom, which was donated to the board last summer by E. P. Parr, is favored by the commissioners.

The establishment of a greenhouse in connection with the Main street pumping station is another project under consideration and it is proposed to heat this with the steam from the exhaust pipes of the engines there. A trip to Omaha, Neb., Kansas City, Kas., Des Moines, Ia., Madison, Wis., and other cities renowned for their parks will be undertaken early this year, with a view of getting ideas about the system to be adopted in Sioux City.

Nurserymen Landscape Despoilers.

IMPORTANT OPINIONS.

There is a good deal of truth in what is said by E. F. C. in his communication to THE AMERICAN FLORIST, also in the clipping from Country Life in America. I do not presume to know enough about landscape gardening or landscape architecture to criticize the the work of those who represent themselves as members of this profession. To my mind landscape gardening in America is still somewhat in the evolutionary stage and no doubt there are many professing themselves to be landscape gardeners who do not possess the requisite knowledge to properly represent the profession. So far as the buyer is concerned, whether he employs the services of a landscape architect, or whether he seeks the advice of any of the several nursery concerns who are undertaking landscape work in connection with their nursery business, he should, for his own protection, place his confidence in firms of responsibility and established reputation. I do not believe that the managers of any responsible, reputable nursery would knowingly foist plans on their customers for the sole purpose of producing sales. I do not see how they could afford to do it, as in the end they would certainly reap a reputation that would be decidedly detrimental to future business.

C. W. WARD.

In regard to this matter I believe the landscape gardener, the man who makes the design for the improvement of grounds, should have no interest in the material furnished. His position with regard to the grounds should be similar to that of an architect with regard to a building. It is unprofessional for either to buy material from himself for his client.

On the other hand, a florist or nurseryman who attempts to make a design for the improvement of grounds, is tempted to put into that design material which he can furnish, without regard for the beauty of the result or the interests of the owner.

O. C. SIMONDS.

The articles referring to this subject in THE AMERICAN FLORIST strike us as being good sound sense. People should always look with suspicion on plans they get for nothing; the only idea in furnishing plans for nothing is to sell as much stock as possible, as the maker of a free plan is never concerned about the results of the plan. The only safe thing to do is to employ a landscape architect of reputation whose future success depends upon the results of his work. J. W. ELLIOTT.

Western Association of Nurserymen.

The seventeenth annual meeting of the Western Association of Nurserymen occurred at the Coates hotel, Kansas City, December 18 and 19. The following officers were elected for the ensuing year: A. Willis, Ottawa, Kas., president; George Marshall, Arlington, Neb., vice-president; E. J. Holman, Leavenworth, Kas., secretary and treasurer; and F. H. Stannard, Ottawa, Kas., chairman of board of directors. The programme consisted of the appointments of committees and the hearing reports on resolutions. Addresses were made by A. Willis, W. P. Stark, J. W. Schutte, J. W. Hill, T. E. Griesa, E. S. Welch and A. C. Griesa. An advance in the price of fruit trees was proposed. The reasons offered for this resolution, said E. J. Holman, secretary of the association, is the increase in the cost of the skilled labor necessary for nursery work. The idea of a trust was suggested during the meeting, but was instantly rejected by the members. The western association, includes all the states west of the Mississippi river. Forty-five members attended the meeting.

K. C.

NEWBURYPORT, MASS.—George E. Tessimond, of the Highlands, has recently enlarged his greenhouse and is now busy working up a stock of geraniums and other plants. Carnations and chrysanthemums are looking well and attracting much attention from visitors.

Van Heiningen Bros. & Co.
NURSERYMEN,
BOSKOOP, HOLLAND.

Beg to offer to the trade for early spring delivery:

Low bud H. P. Roses, in general varieties, such as Babies, Beauties, Persian Yellow, etc., etc.
Standard H. P., fine stock, strong stems.
Clematis, field-grown, 2 years, strong.
Buxus, bushy, pyr. and standard form.
Rhododendrons, Hydrangeas, Conifers, etc., etc.

Ask our lowest wholesale prices.
Catalogue free on demand.

NEW YORK ADDRESS:
care MALTUS & WARE, 14 Stone St.

PEONIES.

From our large and select stock, such as the following varieties:

Prince Charles,	Philomile,
Mons. Boquil,	Lord Salisbury,
Leonie,	Festiva,
Duchess of Sutherland,	Hypatia,
Rosea maxima,	Mons. Rousselon,
Mme. Furtado,	Mme. Moreau,

and many other good varieties all true to name. Strong 1 year old.....$1.50 per doz.; $10.00 per 100
" 2 " " ..... 2 00 " 15 00 per 100

Iris Germanica, Mme. Chereau, Gracchus, Florentine, Socrates, Duchess de Nemours, Dr. Bernice and 20 other good sorts, $2.50 per 100; $22.50 per 1000.

Hemerocallis (Day Lilies), in 10 varieties, to clear, $3.75 per 100; $30.00 per 1000.

The Undermentioned are Strongly Recommended for Cut Work.

Delphinium Belladonna, distinct, continuous bloomer, lovely sky-blue, 1 year old plants, $6 25 per 100; $57.50 per 1000. 3 year old clumps, $8.75 per 100; $75.00 per 1000.

Chrysanthemum maximum King Edward, the finest and largest hardy White Marguerite, four F. C. C's and A. M., R. H. S., strong from ground, $8.75 per 100.

Lathyrus latifolius White Pearl, true from cuttings, flowers double the size of the old white variety, A M., R. H. S., strong from ground, $16.25 per 100. Seedlings, not guaranteed, $12.50 per 100.

Buyers of **Begonias, Dahlias** and **Cannas** should see our catalogue and write for prices. Special terms for quantities.

THOMAS S. WARE, Ltd., FELTHAM, ENGLAND.

Formerly of Tottenham.

Please mention the American Florist when writing.

ROSES.

Heavy Native Grown Stock.

	Per doz.	100
Baby Rambler	$2.50	$20.00
Hermosa	1.65	12.50
Clothilde Soupert	1.65	12.50

Imported Roses

Extra Heavy Hybrid Perpetuals.

	Per 10	100
All leading varieties	$1.50	$12.50
Baby Rambler	2.00	17.50
Crimson Rambler	1.75	15.00

Hollyhocks.

A nice lot in separate colors...$7.50 per 100

PERENNIAL GARDENS CO., Toledo, O.

Please mention the American Florist when writing

NURSERY STOCK

All kinds of Hardy Nursery Stock. Ask for prices.

KLEHM'S NURSERIES,

ARLINGTON HEIGHTS, ILL.

Specimen Nursery Stock.

Deciduous Trees and **Shrubs, Evergreens, Rhododendrons, Azaleas.** Over one hundred (100) acres of the choicest varieties. Send for price list.

COTTAGE GARDENS COMPANY,

Queens, Long Island, New York.

Please mention the American Florist when writing.

TREES AND SHRUBS.

We make especially low prices on **Nursery Stock** to Parks, Cemeteries, etc. Wholesale price-list on application. We carry immense quantities of the finest named varieties of

PEONIES.

PETERSON NURSERY 503 W. Peterson Ave. CHICAGO, ILL.

Spireas, Azaleas, Rhododendrons, Etc.

SPIREA NANA COMPACTA, strong clumps in best condition.....$4.00 per 100.

AZALEA INDICA. Mme. Van der Cruyssen, Prof. Walters, Empress of India, Helen Thielman, Simon Mardner, at import prices to close:

12 to 14 inch crowns .....$45.00 per 100.
14 to 16-inch crowns..... 55.00 per 100.
16 to 18-inch crowns..... 90.00 per 100.

AZALEA MOLLIS. Fine forcing, bushy and full of buds.

12 to 15 inches high.....$25.00 per 100.
15 to 18 inches high..... 35 00 per 100.

RHODODENDRONS. Bushy, perfect plants, brightest and best we ever had; full of flower buds.

18 to 20 inches high.....$ 9 00 per doz.
20 to 24 inches high..... 12.00 per doz.

LATANIA BORBONICA, 4-inch pots, short and bushy.....$15.00 per 100.

KENTIA BELMOREANA, 5-inch, fine..... 60.00 per 100.

THE STORRS & HARRISON CO.

PAINESVILLE, - OHIO.

Please mention the American Florist when writing.

HIBISCUS SYRIACUS MEEHANII

WE now offer to the trade our new hardy variegated leaf Hibiscus Syriacus Meehanii. This plant attracted much attention when exhibited at the American Nurserymen's Convention at West Baden, Ind., and American Florists' Exhibition at Asheville, N. C. Foliage beautifully variegated; never sun-scalds or reverts to the green; flowers single, very large, satiny lavender; blooms during four months; prices on application. Orders booked now.

P. J. BERCKMANS CO., Inc., Fruitland Nurseries, AUGUSTA, GA.

MANETTI STOCKS

Especially for **FLORISTS'** use. Best French-grown.

Grafting size, 3-5 mm.....$7.00 per 1000; $65.00 per 10,000
First size, 5-10 mm..... 9.00 per 1000; 80.00 per 10,000
Newark prices; **duty paid.** For delivery in January. Order now and avoid disappointment.

ROSES, two years, field-grown, well-rooted.

DOROTHY PERKINS.....$ 8.00 per 100
CRIMSON RAMBLER ..... 10 00 per 100
HYBRID PERPETUALS, in good assortment .....$10.00 to 12.00 per 100

Send for our Wholesale Price List of Roses, Clematis, Flowering Shrubs, Conifers, etc.

JACKSON & PERKINS CO., Newark, Wayne Co., N. Y.

Roses.

101 best sorts. Own roots. 2½-in. and 4-in. Get our price list. Send your want list.

THE LEEDLE FLORAL COMPANY, SPRINGFIELD, OHIO.

PEONIES.

Queen Victoria (Whitleyii), per 100....$ 9.00
Festiva Maxima, per 100..... 30.00
Fragrans, "Late Rose".....per 100. 6.00
Large stock of M. L. Rhubarb and Lucretia Dewberry Plants.
For 1000 rates and other varieties, write

GILBERT H. WILD, Sarcoxie, Mo.

Send to **THE MOON** Company

For Your } **Trees, Shrubs, Vines and Small Fruits.**

Descriptive Illustrated Catalogue Free

THE WM. H. MOON CO.,
Morrisville, Pa.

Choice Northern-Grown

2-year in field, fine for forcing.

CRIMSON RAMBLER, 4 to 7 feet....$8.00 per 100
" " strong, No. 2, 4.00 per 100

C. M. NIUFFER, Springfield, Ohio.

Jacs Smits, Ltd. NAARDEN, (Holland.

GROWERS OF

Rhododendrons, Axaleas, pot grown Shrubs for forcing, Lily of the Valley, Spiræa, Paeonias, Roses, Climbing Plants, good varieties of Conifers and all ornamental stock.

Personal Inspection Cordially Invited.

R. R. Depot, NAARDEN-BUSSUM, near Amsterdam.

Price list free on demand.

Please mention the American Florist when writing.

LARGE TREES.

OAKS and MAPLES.
PINES and HEMLOCKS.

ANDORRA NURSERIES,

Wm. Warner Harper, Prop.

Chestnut Hill, PHILA, PA

The American Florist Company's Directory of Florists, Nurserymen and Seedsmen of the United States and Canada.

(Copyrighted and Title Trade-Mark Registered.)

DIRECTORY REVISION.

We are revising our **Trade Directory** of the **Florists, Nurserymen, Seedsmen,** etc., of the United States and Canada, and as there have been many changes in firm names and considerable extension of the area under glass, nursery grounds, etc., you would greatly oblige by filling out this sheet.

When was business established?.....

Whom did you succeed?.....

Are you a Florist?.....

Grower?.....*Retailer?*.....

*How many square feet under glass?**.....

Are you a Nurseryman?.....

Wholesale?.....*Retail?*.....

How many acres operated?.....

Are you a Seedsman?.....

Dealer?.....*Grower?*.....

What are your specialties?.....

.....

Firm name.....

Proprietor's name.....

Manager's name.....

Street.....

Postoffice.....*State*.....

* ☞ To ascertain the number of feet under glass in a given house, 12x145, multiply the length (145 feet) by the width (12 feet) and you have in that house 1,740 feet under glass, thus.....

145
12
1,740

Horticultural Supply Concerns.

We also list all lines of **Horticultural Supply Concerns,** such as manufacturers of

Greenhouse Building Materials, Boilers, Ventilators, Glass, Insecticides, Pots, Labels, Seed Bags, Fertilizers, Wire Designs, Tinfoil, Vases, Implements, Machinery, Sprayers, Seed Cases, Etc.

The specialties are also listed under these heads in the case of advertisers.

Advertising Rates.

Including Copy of New Edition.

Page (3½x6½ ins.)	$25.00
Half page (3½x3¼ ins.)	15.00
One-fourth page (3½x1⅝ ins.)	9.00

If there are any new firms or trade changes in your vicinity, please give the particulars here:

.....

.....

.....

☞ **PLEASE FILL IN THESE PARTICULARS AND MAIL THIS SHEET TO**

American Florist Company,

Directory Department. **324 Dearborn Street, CHICAGO.**

Cleveland.

PRICES GOOD.

Conditions the past week, both in stock and prices, were about the same as last, stock being all picked up at prices, that were very little below those received holiday week. Though it has been warm, there has been no sunshine, consequently no increase in the cut. Carnations are bringing from $3 to $6, roses $6 to $15, narcissus and lily of the valley $4, sweet peas $1.50, tulips and single daffodils $4, pansies $1.50, stevia $1.50 per 100. There seems to be no indication of a decline in prices unless in the near future the sun begins to shine.

NOTES.

The long wanted article on the indifferent credit system in the trade has come at last, thanks to Mr. Skidelsky. His paper in THE AMERICAN FLORIST for last week hits the nail on the head. May the good work go on.

F. W. Griffin has his new plant stand ready to put on the market; this time it is a plant tilter for the floor, mantel or grate.

H. R. Carlton, of Willoughby, reports having received large orders for spring delivery of his Gov. Herrick violet.

Chas. Bartells, of the Essex Greenhouses, is sending in Lawson carnations that are in a class by themselves.

Joe Strejcek, of Broadway and Fifty-fifth street, has had a very heavy run of funeral work the past week.

OHIO.

Worcester, Mass.

The meetings of the Worcester County Horticultural Society, for the 1907 winter season, began January 3 and are to be continued every Thursday until March 14. They are for the delivery of papers followed by discussion, and commence each day at 2:30 p. m., closing at 4 p. m. The following is the programme: January 3—"Annual Address," by O. B. Hadwen, president: "San Jose Scale—Appliances and Practical Methods for Suppressing," by H. L. Frost, Boston. January 10—"Useful Birds and Their Relation to Horticulture," by E. H. Forbush, ornithologist to the Board of Agriculture. January 17—"Economic Sources of Plant Food," by Prof. J. W. Sanborn, Gilmanton, N. H. January 24—"The Wild Flowers of Massachusetts," by Mrs. Philo P. Holmes, Fiskdale. January 31—"Horticultural Accessories," by Wm. N. Craig, North Easton. February 7—"Flowers for Pleasure and Profit." by Mrs. Edward Warren, Leicester. February 14—"Shade Tree Problems," (illustrated by stereopticon), by Geo. E. Stone, Massachusetts Agricultural College. February 21—"Combinations in Vegetable Gardening," by H. M. Howard, West Newton. February 28—"A Day in Westminster Abbey and Tower of London," (illustrated by stereoptican), by Albert M. Powell. March 7—"Sunshine," by Chas. W. Wood. March 13 and 14—Annual reunion and Massachusetts Fruit Growers' Convention. March 14—"Horticulture in Rural Economics," by Frank William Rane, state forester, Boston.

PLAINFIELD, N. J.—Arthur Brisbane, editorial manager of all the Hearst newspapers, has given out a contract for the erection of a greenhouse on his estate at Netherwood. Work will begin at once.

Montreal.

GOOD HOLIDAY TRADE.

Everybody was well satisfied with the Christmas trade. There was a general clean-up in all lines, the supply being rather short in good flowering plants, notably azaleas, which were over forced. Simon Mardner, Vervæneana, and Talisman were hardly recognized owing to their lack of true color. Poinsettias and azaleas are close rivals for first place as Christmas plants, with cyclamens following closely. Good plants of Begonia Gloire de Lorraine were in evidence all around and sold at novelty prices. Moderately priced baskets sold very well but anything over $12 was hard to dispose of. In cut flowers it was pleasant to notice that the threat of a shortage did not materialize in most lines. There was an abundance of carnations which sold out at from $2 upwards. Roses were not over plentiful but there was enough to go around with careful handling. Prices ranged from $4 to $12 for American Beauty. Lily of the valley was of extra good quality, also violets; mignonette was good but hard to sell as cut flowers; finally it was sold for green. An immense quantity of greens was handled and there was a great demand for holly wreaths with red ribbon. Box green was also handled in large quantities for the first time. The red and green matting is the best thing out yet for pot covers. Some nice fancy ribbon appeared as a novelty and was much appreciated by the public. The wholesale commission house was full of business and proved a great convenience to the retailers. The weather conditions were most desirable and with good roads for sleighing delivery was pleasant. All got through in reasonable time and very few rigs were to be seen on the streets delivering flowers on Christmas day.

LUCK.

BOSTON, MASS.—A certificate of condition has been filed in the State house, Boston, for the Riverside greenhouses (inc.), Templeton, as follows: President, George R. Lowe; treasurer, Arthur F. Johnson; capital stock authorized, $4,000 preferred, $4,000 common; capital stock issued, $1,050 preferred; $3,000 common; capital stock paid in, $1,050 preferred, $3,000 common; par value of shares, $50; number of shares, 80; assets, real estate $5,500, stock and material $800, cash and debts receivable $1,546.66, total $7,846.66; liabilities, capital stock $4,050; accounts payable and mortgage debt $3,774.98, profit and loss $21.65, total $7,846.66.

DAHLIAS.

Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring.

DAVID HERBERT & SON,

Successors to L. K. Peacock, Inc., ATCO, N. J.

GOV. HERRICK THE COMING VIOLET

One that produces three times as many flowers as any violet ever offered for sale. It will please you. Order at once. Prices: $2.00 per doz.; $10.00 per 100; $75.00 per 1000; 5,000 or more at $60.00 per 1000. Send for description today.

H. R. CARLTON, Willoughby, O.
INTRODUCER and ORIGINATOR.

CARNATION JOHN E. HAINES.

The leading scarlet, brilliant color, fine stem, the most productive ever introduced; blooms early until thrown out in July; no extra grass. All shoots make flowers. Watch the papers and see what growers have to say about it. None but well-rooted, healthy cuttings leave the place.

Rooted cuttings ready December 15, 1906. Price $6.00 per 100; $50.00 per 1000.

JOHN E. HAINES, Bethlehem, Pa.

Please mention the American Florist when writing.

Abundance

ROOTED CUTTINGS of this most prolific white carnation will be ready for delivery in January. Price: $5.00 per 100; $40.00 per 1000. 250 at 1000 rate. 5 per cent discount for cash with order.

R. FISCHER, Great Neck, L. I., N. Y.

"VICTORY"

The best scarlet carnation ever introduced to the trade. It has given universal satisfaction everywhere. We have them in quantity: December 1, or later, delivery. **$6.00** per 100; **$50.00** per 1000.

JENSEN & DEKEMA,
674 W. Foster Ave., CHICAGO.

Please mention the American Florist when writing.

White Enchantress Carnation

White Sport of Enchantress.

ROOTED CUTTINGS—$12 per 100; $100 per 1000.

E. SCHRADER,
NEW SPRINGVILLE, Richmond Borough. **New York**

Please mention the American Florist when writing.

Roses, Ferns, Carnations.

All soft wooded plants.

Cut Roses, Carnations, Paper Whites, Romans.

—WRITE—

GEO. A. KUHL, Pekin, Ill.

BEAUTIFUL NEW PINK ROSE

AURORA

See announcement and full description in American Florist, December 15, issue, page 1031.

PAUL NIEHOFF, Lehighton, Pa.

LARGEST STOCK OF ALL

Belgian Plants.

AZALEAS, ARAUCARIAS, SWEET BAYS, PALMS, BEGONIAS, GLOXINIAS, ETC.

Louis Van Houtte Pere,
GHENT, BELGIUM.

Palms and Ferns.

Write for price list.

THE GEO. WITTBOLD CO.
1657-1659 Buckingham Place, CHICAGO.

ASPARAGUS PLUMOSUS

Exceptionally fine stock from 3-in. pots, $5.00 per 100.

ASPARAGUS SPRENGERI, from 3½-in. pots $6.00 per 100.

Write for price on large lots.

SCHARFF BROS., Van Wert, Ohio

500,000 VERBENAS

60 Finest Named Varieties.

Rooted Cuttings, 75c per 100; $6.00 per 1000
Plants, $2.50 per 100; $20.00 per 1000.

Our list is the choice from millions of seedlings. Order early.

The floral and plant business of the late Mr. J. L. Dillon will be continued under his name by his executors.

LOUISE H. DILLON, ALICE D. FURMAN } Executors.

J. L. DILLON, Bloomsburg, Pa.

FERNS. Extra Fine and Cheap.

FROM BENCH. Boston, 3-inch, 5c; 4-inch, 10c; Tarrytown, 3-inch, 10c.; 4-inch, 15c; 6-inch, 25c; Tarrytown Runners, fine stock, $1.50 per 100.
FLOWERING BEGONIAS, 8 kinds, 2-inch, 2½c.
REX BEGONIAS, 3-inch, 8c.
GERANIUMS, 2-in., strong, 2c.

Rooted Cuttings, per 100 prepaid.

Fuchsia, 5 kinds, $1.25; **Salvia,** Bonfire, Spendens, 90c; **Vinca Var.,** 90c; **Dbl. Petunia,** 10 kinds, $1.00; **Heliotrope,** 3 kinds, $1.00; **Ageratum,** White, Pauline, Gurney, 60c; **Paris Daisy,** Giant White, Yellow, $1.00, Alexandra, $1.25; **Swainsona alba,** $1.00; **Alternanthera,** 3 kinds, 50c; **Flowering Begonias,** 8 kinds, $1 25. Cash or C. O. D.

BYER BROS., Chambersburg, Pa.

70,000 Alternanthera Brilliantissima

And **Red** and **Yellow**, at 60c per 100; $5.00 per 1000. Sept. struck, very strong.
Coleus, 30 of the best select vars., 70c per 100, $6.00 per 1000. **Heliotrope,** R. C., 12 best vars., $1.00 per 100, $8.00 per 1000. **Ageratums,** Stella Gurney, P. Pauline and Snowball, the great white one, 60c per 100, $5.00 per 1000.
Express prepaid on all rooted cuttings. Satisfaction and safe arrival guaranteed.

C. HUMFELD, Clay Center, Kansas.

Mosbaek Greenhouse Co.

ONARGA, ILL.

Asparagus Pl. Na. and Spreng., 2, 2½, 3 and 4 in., $2.00, $2.50, $5.00 and $8.00 per 100.

Ferns Boston, Piersoni and Anna Foster, 2¼, 3 and 4 in., $3 00, $6.00 and $12.00 per 100; 6-in., $4.00; 8-in., $10 00; 10-in., $20.00 per doz. Piersoni Elegantissima and Scottii, fine runners, $40.00 per 1000; Boston, $20 00 per 1000.

150,000 Cannas in 35 var. List mailed

50,000 Hardy Perennials Field and pot grown.

FERNS and BOXWOODS

Bushes for Window Boxes, from top of root ball, 12 to 20 inches high.....$0.75 a pair
24 inches high..... 1.00 a pair
Pyramids, 3 ft. high.....$2.00 and 3.00 a pair
" 4 ft. high..... 3.00 and 4.00 a pair
" 4 ft. 6 in. high..... 5.00 a pair
" 5 ft. high..... 7.00 a pair

Anton Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

CHINESE PRIMULA.

3½-in. pots, in full bloom, at $8 00 per 100

BUTTERCUP

3½-in. pots, in full bloom, at $7.00 per 100
All plants are very strong.

CARL MEIER, Green Bay, Wis.

Please mention the American Florist when writing

WE ARE BOOKING ORDERS FOR

Nephrolepis Amerpohli

The Sensational New Fern.
Awarded Highest Certificate of Merit at the S. A. F. Convention, 1906.

JANESVILLE FLORAL CO, Janesville, Wis.

Please mention the American Florist when writing.

CARNATIONS.

WELL ROOTED CUTTINGS. HEALTHY STOCK.

PINK.	Per 100	1000
Lawson	$1.50	$10.00
Nelson	1.50	10.00
Nelson Fisher, cerise	2.00	17.50
LIGHT PINK.		
Enchantress	$2.00	$17.50
VARIEGATED.		
Mrs. Patten	$2.00	$17.50

WHITE.	Per 100	1000
Boston Market	$1.25	$10.00
Lady Bountiful	2.00	17.50
White Lawson	3.00	25.00
RED.		
Robert Craig	$6.00	$50.00
Cardinal	2.50	20.00
Estelle	2.00	17.50

ROSES.

STRONG AND WELL ROOTED CUTTINGS.

	Per 100	1000
Richmond	$1.50	$12.50
Liberty	2.00	17.50
Bridesmaid	1.50	12.50
Bride	1.50	12.50
Sunrise	3.00	25.00

	Per 100	1000
Uncle John	$1.50	$12 50
Chatenay	1.50	12.50
Ivory	1.50	12.50
Perle	2.00	17.50

PETER REINBERG,

51 Wabash Avenue, CHICAGO.

Roses! Dahlias! Cannas! Violets!

Miscellaneous Plants!

ROSES. We have in stock upwards of 1000 different varieties, consisting of the very latest European varieties, as well as all the leading varieties of American origin. Stock from 2½, 4 and 5-inch pots, all on own roots. Ask for catalogue.

DAHLIAS. 25 leading varieties, all under name, guaranteed true, including the best sorts in cultivation, such as Admiral Dewey, Constancy, Gloriosa, Orange King, Prof. Baldwin, Maid of Kent, C. W. Bruton and Uncertainty. Field clumps as dug, **$5.00** per 100; **$45.00** per 1000. Catherine Duer, field clumps **$8.00** per 100.

CANNAS. 40 leading varieties, **$10.00** per 1000 and upwards. Write for list and prices.

VIOLETS. Lady Hume Campbell, Princess of Wales, Swanley White, Admiral Avellan and Luxonne; nice strong plants, from 2½-inch pots, **$3.50** per 100; **$30.00** per 1000.

MISCELLANEOUS PLANTS.

Ampelopsis Veitchi, nice, strong, 2-year-old, field-grown plants, per 100, $6.00; per 1000, $55 00
Clematis Paniculata, 2-year-old, field-grown stock strong plants, per 100, 7.00; per 1000, 65.00
Cissus Discolor, nice plants, from 2½-inch pots.....per 100, $4 00
Cyperus Gracilis, from 2½-inch pots.....per 100, 3.50
Asparagus Sprengeri, from 2½-inch pots.....per 100, 4 00
Asparagus Plumosus, from 2½-inch pots.....per 100, 4.00
Weeping Lantana, from 2½-inch pots.....per 100, 3.50
Viburnum Plicatum, and a complete list of hardy shrubs, vines and miscellaneous plants of all kinds. Send us your list for prices. Ask for catalogue—it's free.

Address **THE DINGEE & CONARD CO.,** Rose Growers,
WEST GROVE, PA.
ESTABLISHED 1850. 70 GREENHOUSES.

Queen Beatrice Rose.

Four to one shot. Four times as many flowers as Maid.

F. H. KRAMER, 916 F St., WASHINGTON, D. C.

Rooted Cuttings Per 100, prepaid: Ageratum, Gurney and Pauline, 60c; Salvia Bonfire, 75c; Coleus, asst., 60c; Vinca varieg., 90c, $7 50 per 1000, German Ivy, 60c. H. Pinks, Her Majesty, $1.00; Abbottsford 75c. Fuchsia, $1.00. Cash.

SHIPPENSBURG FLORAL CO., Shippensburg, Pa.

Advertisers send copy early for best service...

ARAUCARIAS

OUR SPECIALTY.

OUR LITTLE PETS.

By Aschmann, in Philadelphia, I bought
An Araucaria, a pet for our little girl—
Now we have two pets, the pride of our thought,
The little girl so sweet, a head full of curls,
And the Araucaria with its everlasting green—
A more joyful home you never have seen.

Araucaria Compacta Robusta or A. E. Glauca

(the size and kind I grow). You will be surprised at the effect that it will make on the table or wherever it is placed. The plants I have are as perfect as nature could produce. The brush of an artist could not paint them any better, and prices are cheap. Just look:

6 to 7 in. pots, 4, 5 to 6 years old, 4, 5 to 6 tiers, 25 to 30 in. high and wide, $1.50, $1.75, $2.00 to $2.50 each.

EXCELSA GLAUCA, 5 years old, 7-in. pots, specimen plants, 6 to 7 tiers, 30 to 35 in. high and wide (you never saw anything better in your life than these are), $2.00 $2.50 to $3.00 each; 6-in. pots, 3 years old, 3, 4 to 5 tiers, 16 to 20 in. high and wide, $1.00 to $1.25 each.

ARAUCARIA EXCELSA, 6-in. pots, 5, 6 to 7 tiers, 4 years old, 25 to 30 in. high, $1.00, $1.25 to $1.50.

KENTIA FORSTERIANA, 7-in. pots, made-up plants, 1 large size about 45 to 48 in. high in the center, and 3 smaller sizes, 25 x 30 in. high around, which gives them a good appearance, $2.00 to $2.50 each; 6-in. pots, single plants, 36 to 45 in. high, 5 to 6 good leaves, 4 years old, $1.25, $1.50 to $1.75 each; 6-in. pots, 32 to 36 in. high, 5 to 6 good leaves, 4 years old, $1.00 each; 5½ to 6 in. pots, 4 years old, 30 in. high, 5 good leaves, 4 years old, 75c.

DRACAENA BRUANTI, (imported), 30 in. high, full of green, waxy foliage from top to bottom; the only Dracaena for parlor store or house culture, that can stand heat, dust and dirt; 6-in. pots, 50c, $5.00 per doz.

BOSTON FERNS, 7-in., very bushy, only 75c; 6-in., 50c or $5.00 per doz.; 5-in., 30c to 35c; 4-in., 20c

NEPHROLEPIS SCOTTII, 8-in., as big as a washtub, worth $3.00, now $1.50; 7-in., as big as a bushel basket, worth $1.50, now 75c to $1.00; 6-in., 50c; 5¼-in., 40c; 5-in., 30c to 35c; 4-in., 20c to 25c.

NEPHROLEPIS BARROWSII, 7 in. pots, as big as a bushel basket, 75c to $1.00 each; 6-in. pots, large, ready for 7-in., 50c; 5½-in., 40c; 5-in., 35c; 4-in., 25c.

AZALEAS, in bloom and bud, Simon Mardner, double pink; Vervæneana double rose variegated; Deutsche Perle, double white, 75c, $1.00, $1.25 to $1.50 each.

CINERARIA HYBRIDA, H. F. Michell's best strain, 2½-in. pots, $4.00 per 100; 3 in., large plants ready for 5½ or 6-in. pots, $7.00 per 100; 4-in., $10.00 per 100.

ARECA SAPIDA, 6-in., 50c each.

CASH WITH ORDER. All plants must travel on **purchaser's risk only.**

When ordering, say whether the plants should be shipped in the pots or not.

GODFREY ASCHMANN,
Importer and Wholesale Grower of Pot Plants,
1012 Ontario St., PHILADELPHIA, PA.

NEW CANNAS.

WILLIAM SAUNDERS The flowers are large, of splendid form, and are borne very freely in immense clusters. The color is a deep rich, shining scarlet slightly dappled with crimson. Foliage is a rich bronze. Height 3½ to 4 feet. We believe that **William Saunders** is decidedly the most perfect canna of this type that has been introduced.

50c each; **$5.00** per doz.; **$35.00** per 100.

OTTAWA is a strong grower, very robust and 5 to 6 feet high. The flowers are large and beautifully formed; color is carmine with tints of old rose and deep coral, add to this the silken sheen and you can imagine the effect a few plants will produce.

NOTE: We had this canna on trial among the Canadian experimental stations last summer and this is the official report of their expert: "Quite distinct and one of the most beautiful shades of color I ever saw in cannas. Of 70 massed in one bed during the past season, this was the most floriferous in the collection, coming into bloom early and continuing until cut down by frost, as many as 13 expanded heads of bloom being counted at one time on a plant, and not a poor one among them, all being of immense size.

50c each; **$5.00** per doz.; **$35.00** per 100.

NEW YORK Has the orchid type of flower. They have much more substance than the flowers of the other varieties of this class, and will stand the hot sunshine as well as the toughest varieties of cannas. The color is a solid, rich scarlet covered with a beautiful glowing sheen. The flowers are large and contrast beautifully with the dark bronze foliage.

50c each; **$5.00** per doz.; **$35.00** per 100.

Send for our list and prices of 60 other leading varieties of cannas.

ROSES **Are our great specialty,** 2¼ and 4-inch pot plants we have in great variety. **Philadelphia** Rambler, Crimson Rambler, Dorothy Perkins, and other climbers in strong field plants.

SHRUBBERY in variety. **Viburnum Plicatum,** Spireas, Altheas, Honeysuckles, etc.

SEND FOR OUR PRICE LISTS.

THE CONARD & JONES CO., West Grove, Pa.

POT GROWN STOCK FOR EASTER FORCING

	Per doz.	Per 100
AZALEA MOLLIS, 15-18 in. high, 20-30 buds	$ 4 50	$35 00
AUCUBA JAPONICA, variegated, bushy plants, 2 feet high	5 00	
DEUTZIA Gracilis, 6-in. pot grown, only kind to force	1 50	12 00
" Lemoine, pot grown, for forcing	2 50	20 00
LILACS, Chas. X. Marie Legraye and Souv. de Louis Spath, bushy, pot grown well set with buds	9 00	65 00
MAGNOLIA Halleana 2 feet with buds	$1 50 each	15 00
" Soulangeana, 4 feet with buds	1 75 each	18 00
RHODODENDRONS, all the best kinds and colors, in bushy, well shaped plants, and what is more important, every plant contains 10-15 well developed buds	1 25 each	12 00
HYBRID ROSES, all the best kinds 2-year dormant		11 00
CRIMSON RAMBLER, extra select, 2 year-old, 3-4 feet canes		12 00
" " " 3-year-old, 4-5 feet canes		15 00
FRAU KARL DRUSCHKE, the new white rose, strong 2-year-old, field-grown	2 00	15 00
AM. BEAUTY, strong dormant 2-year old	2 00	15 00
KAISERIN AUG. VICTORIA, strong dormant 2-year-old	2 00	15 00
BABY RAMBLER, strong dormant 2-year old	3 00	25 00
" " " " 1-year-old	2 00	15 00
LA FRANCE, strong dormant 2-year-old	2 00	15 00
GRUSS AN TEPLITZ, strong dormant 2-year-old	2 00	15 00

MANETTI STOCKS for grafting; extra fine quality; sure to please.
French stock ..... $1 50 per 100; $12 00 per 1000; $50 00 per 5000; $ 80 00 per 10000
English stock ..... 2 00 " 15 00 " 60 00 " 100 00 "

VAUGHAN'S SEED STORE, 84-86 Randolph St., CHICAGO. 14 Barclay St., NEW YORK.

Greenhouses and Nurseries: Western Springs, Ill.

CHRYSANTHEMUM

STOCK PLANTS.

	Per doz.	100
Morton F. Plant (Totty's new pink)	$3 00	$20.00
Jeanne Nonin (best late white)	1.00	8.00

HENRY I. FAUST, Merion Station, Pa.

'Mum Stock Plants

Order quick. **Jeanne Nonin** and **Golden Chadwick,** $4.00 per 100. Have still lots of Nonin flowers.

Klehm's Nurseries ARLINGTON HEIGHTS, ILL.

Please mention the American Florist when writing.

ORCHIDS

Now is the time to place your order for freshly imported Orchids delivered next spring. Our facilities for handling large consignments are second to none. Prices are very low, quality considered. Fine stock of established Orchids on hand.

CARILLO & BALDWIN, Secaucus, N. J.

Cattleya Mossiæ.

Can make exceptionally low prices on this fine Cattleya for delivery next spring and summer. Write for prices, etc.

L. A FENNELL, Cythiana, Ky.

Up to Date Directory

Giving all the Country's

Florists
Seedsmen
Nurserymen

PRICE $2.00.

Orange, N. J.

At a meeting of the New Jersey Floricultural Society, January 4, the following officers were elected: W. J. Bennett, president; Arthur T. Caparn, vice-president; Henry Halbig, secretary; William Reid, treasurer. Reports for the year were read, showing 70 members in good standing and five in suspension under the bylaws, five new members for the year, of which only three had qualified. Eleven monthly floral displays had been held, at which 15 members and four visitors had served as judges and 24 had exhibited. Seven silver cups were awarded as follows: To Peter Duff, Wm. Reid, Max Schnyder, Wm. Phillips and Arthur T. Caparn under general classes, and to Arthur W. Bodwell and Lager & Hurrell for special orchid exhibits. In all 86 certificates had been given. A fall exhibition and special rose and dahlia shows were held, also a special observance of Flag day, June 14. This latter was in conjunction with other societies and the business had reference to the exorbitant charges of express companies and other public matters. A handsome balance on the right side was disclosed by the report of the treasurer. Julius Roehrs, Rutherford, exhibited some remarkably long stemmed lily of the valley 19 inches in height. Thos. Jones, Short Hills, showed a white Cattleya labiata.

J. B. D.

Glen Cove, N. Y.

The monthly meeting of the Nassau County Horticultural Society was held on the afternoon of December 12 and was well attended. Three new members were elected and one nominated to active membership. The roll of active members now numbers 76. This meeting closed the second year of the society's existence. From its birth with a chartered membership of 14 members it has steadily progressed, both in the keen interest manifested by its members and in its financial standing. As an organization it has brought together the gardening fraternity of quite an extended area, having always the elevation of the profession as its chief end in view.

In the point competition H. F. Meyer scored 83⅓ with poinsettias, tomatoes and cucumbers; S. J. Trepess scored 80 with cauliflower and tomatoes.

The prize for 25 carnations arranged for effect was awarded H. F. Meyer.

Alexander Mackenzie was first for the best flowering plant with a beautifully grown specimen of Begonia Gloire de Lorraine in a 4-inch pot; S. J. Trepess second with a well grown cyclamen.

The annual dinner of the society is to be held January 23. The treasurer's report showed a substantial balance after meeting all expenses. The following officers were elected for the ensuing year: Alexander Mackenzie, president; H. F. Meyer, vice president; John F. Johnston, secretary; E. J. Brown, treasurer; J. W. Everett, corresponding secretary.

CARNATION CUTTINGS NOW READY

Order at once. Don't delay. Our cuttings are strong, healtny and well-rooted. Unrooted cuttings at half price.

	Per 100	1000
Enchantress	$2.00	$17.00
Crusader	1.75	12.50
Boston Market, Mrs. T. Lawson, Mrs. A. Nelson	1.50	12.50
Variegated Lawson	4.00	35.00
Candace	5.00	40.00

Also a fine lot of **Chrysanthemum Cuttings** like Garza, Diana, Gallis, Daisy 'Mums with many other varieties for the season at low prices.

SCHEIDEN & SCHOOS,
60 Wabash Avenue, CHICAGO.
Please mention the American Florist when writing.

CARNATIONS. Rooted Cuttings.

Immediate delivery and satisfaction guaranteed.

	Per 100	Per 1000		Per 100	Per 1000
Victory	$6.00	$50.00	**Boston Market**	$1.50	$12.50
Enchantress	2 00	18.00	**Mrs. E. A. Nelson**	2.00	15.00
Lawson (white)	3 00	25.00	**Lawson** (pink)	1 50	12.50
Lady Bountiful	3.00	25.0			

250 of one variety at 1000 rate.

Chrysanthemum Stock Plants.

White: Willowbrook, Kalb, Estelle, Wanamaker, Ivory Robinson. **Yellow:** Appleton, Bonnaffon Halliday. **Pink:** Coombes, McNeice, Enguehard. **60c** per doz.; **$4.00** per 100.
Stevia, rooted cuttings, $1.00 per 100. **Asparagus Sprengeri,** 3-in., $4.00 per 100.

E. T. WANZER, Wheaton, Ill.

"BUSINESS NECESSITY"

Edition of 1906, Postpaid, $2.00.

THIS is the only term which describes the American Florist Company's Directory, just out. This book, 476 pages of facts tersely told, is issued annually and is an aid to business and money making which no wholesaler or traveling salesman can afford to be without. It contains the name of every Florist, Nurserymen and Seedsmen, arranged both by states and towns and alphabetically; and lists of experiment Station Horticulturists, Landscape Architects, Horticultural Supply Concerns and Leading Foreign Firms. It will save many times its cost by enabling you to cover America with your catalogue and at the same time waste no printed matter or postage on dead names.

AMERICAN FLORIST COMPANY,
324 Dearborn Street CHICAGO.

A Ready Reference Manual.

FERNS, PALMS,

ARAUCARIA EXCEL.,

ASPIDISTRA,

Green and Variegated.

BAY TREES and PRIVET,

Fine, Strong Stock.

R. DREYER, WOODSIDE, L. I., N. Y.

Please mention the American Florist when writing.

Rooted Carnations

Come and see the healthiest stock in America.

Our new King Construction truss house is a success, 31x300 feet, and good judges tell us we have the healthiest lot of Lawsons in America.

25,000 WELL-ROOTED CUTTINGS

now ready in the best possible shape at the lowest market price. We have pink white and variegated Lawsons, Mrs. Patten, Candace, Melody, White Perfection, Lady Bountiful, Boston Market, White Cloud, Robt. Craig, Victory, Cardinal, Enchantress and Rose Pink Enchantress.

Write for special prices on large lots.

W. W. COLES, Kokomo, Ind.

MABELLE, New Pink Carnation for 1907.

Color—A peculiar shade of lovely pink, with a faint yellowish cast; several shades lighter than the Lawson. Unlike most pinks, the brightest sun does not injure the color. Size—3 to 4 inches in diameter when established. Odor—Pleasing, but not strong. Stems—Invariably strong, but always graceful, ranging from 12 to 30 inches during the season. Habit, etc.—A very quick, active grower, making specimen plants in a short time, even from late cuttings. On account of its rapid growth, requires supporting very soon after benching. Gets away rapidly, blooms early and gives long stems right from the start. Productiveness—Prodigious is the best word we know of to use here. It is the most incessant bloomer, early and late, we have ever grown. Stock limited. Delivery January 5 to 10 and later. Price, $12.00 per 100, $100.00 per 1000.

THE H. WEBER & SONS CO., Oakland, Md.

Please mention the American Florist when writing

ROOTED CUTTINGS

PELARGONIUMS, 15 var. named, $2.25 per 100.
BEGONIAS, $1.50 per 100.
VERBENAS, 60c per 100; $5.00 per 1000.
COLEUS, 70c per 100; $6.00 per 1000
HELIOTROPE, $1.00 per 100; $8.00 per 1000.
PETUNIAS, double, $1.25; $10.00 per 1000
AGERATUMS, 60c per 100; $5.00 per 1000.
SALVIAS, $1.00 per 100; $8.00 per 1000.
ALYSSUM, double, $1.00 per 100; $8.00 per 1000.

Express prepaid. Cash with orders. Write

S. D. BRANT, Clay Center, Kan.

ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the

"Horticultural Advertiser"

This is the British Trade Paper, being read weekly by all the Horticultural traders; it is also taken by over 1000 of the best continental houses. Annual subscription to cover cost of postage 75c; Money orders payable at Lowdham, Notts.

Address **Editors of "H. A."**

Chilwell Nurseries, LOWDHAM, Notts, England

Rooted Rose Cuttings.

Strong well-rooted cuttings. Bride, Maid, Golden Gate, Chetenay, $1.50 per 100; $12.50 per 1000. Richmond, $2.00 per 100; $18.00 per 1000.

Asparagus Plumosus, 2¼, $3.00; 3-in., $5.00. Sprengeri, 3-in., $4.00.

W. H. GULLETT & SONS, Lincoln, Ill.

GERANIUMS

AND OTHER GREENHOUSE PLANTS.

Send for our Wholesale Catalogue; it contains descriptions and prices of 75 of the best standards and 100 of the best novelties in Geraniums.

Alliance (1905), hybrid ivy-zonal, lilac white, maroon marking, 25c each; $2.50 per doz.
Caesar Frank (1905), ivy leaved, double flowers, soft rec't crimson 25c each; $2.50 per doz.
Eugene Sue (1905), single, brilliant orange scarlet $1.50 per doz.; $10.00 per 100.
Justo Oliver (1905), single, soft crimson rose, $1.50 per doz.; $10.00 per 100.
Cactus Geraniums, in four varieties, 20c each; $1.50 per doz.
Colossus, semi-double dark, rich, velvety crimson, $1.00 per doz.; $6.00 per 100.
Double Dryden, double, white eye shading to soft crimson edge, 75c per doz.; $4.00 per 100.
E. H. Trego, double, rich dazzling scarlet, an ideal pot variety, 75c per doz.; $4.00 per 100.
Tiffin, single, rich glowing scarlet, $2.00 per doz.; $10.00 per 100.
Fleuve Blanc, semi-double, white Bruant, $1.50 per doz.; $10.00 per 100.
Centaure, double, beautiful rose pink, 40c per doz.; $2.00 per doz.
Jean de la Brete, double, rosy carmine, marble white in the center, 50c per doz.; $3.00 per 100
El Cid, double, dark velvety crimson 40c per doz.
Miss Kendall, double, dark cerise, 40c per doz.; $2.00 per 100.
Snowdrop, single, pure white, 50c per doz.; $3.00 per 100.

MISCELLANEOUS PLANTS.

	Doz.	100
Ageratum, Inimitable, giant blue, Stella Gurney and Dwarf White.	$0.50 .40	$3.00 2.00
Alternantheras, red and yellow, six varieties	.40	2.00
Coleus, Verschaffeltii, Golden Bedder and ten other varieties	.40	2.00
Dahlia Roots, whole field clumps	1.00	6.00
Fuchsias, Minnesota, Lieutenant, Minister Bucher, Black Prince, Speciosa, Elm City and other var.	.50	2.50
Hardy English Ivy, strong plants.	.40	2.00
Lemon Verbena, Aloysia Citriodora	.40	2.00
Lantanas, good assortment	.40	2.00
Petunias, double fringed, mixed	.50	2.50
Panicum, variegation	.40	2.00
Parlor Ivy, Senecio Scandens	.40	2.00
Tradescantia, dark variegated	.40	2.00
Sage, Holt's Mammoth	.40	2.00

—CASH WITH ORDER.—

A cordial invitation is extended to all interested in Horticulture to visit us. Cowenton Station, Philadelphia division, B. & O. R. R., 12 miles north of Baltimore.

R. VINCENT, Jr. & SON, White Marsh, Md.

ROOTED CUTTINGS. Roses and Carnations.

ROSES.	Per 100	Per 1000
Bride	$1.50	$12.50
Bridesmaid	1.50	12.50
Chatenay	1.50	12.50
Richmond	1.50	12.50
Carnot	2.50	20.00
Kaiserin	2.50	20.00
Perle	2.50	20.00
American Beauty	3.00	25.00

CARNATIONS.	Per 100
Enchantress	$2.50
Bountiful	2.50
Wolcott	1.50
Lawson	1.50
Queen	1.50
Harlowarden	2.00

Our cuttings are all strong, healthy and well rooted. All cuttings shipped from Hinsdale.

BASSETT & WASHBURN,

Office: 76 Wabash Ave., Chicago. Greenhouses: Hinsdale, Ill.

Please mention the American Florist when writing.

Directory of Gardeners

—AND—

Estates Employing Gardeners

—IN THE—

UNITED STATES and CANADA.

Price $5, Cash With Order.

AMERICAN FLORIST CO. 324 DEARBORN ST., ...CHICAGO.

BEST ENGRAVINGS and ILLUSTRATIONS

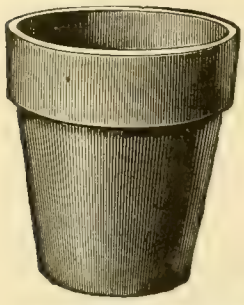
—Of Every Description—

FOR CATALOGUES.

SEE OUR WORK IN THIS PAPER. SEND FOR ESTIMATES.

GLOBE ENGRAVING and ELECTROTYPE CO.

407-427 Dearborn St., CHICAGO.



The Whilldin Pottery Co.

STANDARD FLOWER POTS

Our output of Flower Pots is larger than any concern in the World
Our Stock is always Large and Complete

Main Office and Factory,
713 WHARTON STREET, PHILADELPHIA
WAREHOUSES: JERSEY CITY, N. J. LONG ISLAND CITY, N. Y.

FLORIST WARE OF EVERY KIND
A. H. HEWS & CO. INC.
POT MAKERS FOR 140 YEARS
CAMBRIDGE, MASS.

Clipper Lawn Mower Co. DIXON, ILL.

The Mower that will **kill all the Weeds in your Lawn.** If you keep the weeds cut so they do not go to seed and cut your grass without breaking the small feeders of roots, the grass will become thick and the weeds will disappear.

The Clipper will do it. Ask your dealer for them. If they have not got them, below is the price: No. 1—12-inch Mower $5; No. 2—15-inch Mower, $6; No. 3—18-inch Mower, $7; No. 4—21-in Mower, $8. Send draft money-order or reg. letter.

THE KELLER POTTERY COMPANY,

Manufacturers of **FLORISTS' RED STANDARD POTS.**
Azalea Pots, Bulb and Fern Pans, Etc.
Write for Price List. 213-15-17-19-21-23 Pearl St., NORRISTOWN, PA.

Ionia Clay Gives Quality to the Ionia Pot.

Extreme strength and porosity are rarely found in the same flower pot. Some are hard and flinty, like stone, and without porosity; others are extremely porous, but without strength. **The IONIA POT is extremely strong and porous.** Breakage rarely occurs in shipping. Our word for it (backed by hundreds of florists) that you will be a permanent patron, if we may have your next order,

IONIA POTTERY COMPANY, Ionia, Mich.

TWIN CITY POTTERY MFG. CO.,

Successors to J. G. Swahn's Sons,
—MANUFACTURERS OF—
Garden Vases, Flower Pots, Hanging Baskets.
Let us figure on your needs.
Both telephones. 2406 Marshall Street, N. E., MINNEAPOLIS, MINN.

THE BEST Bug Killer and Bloom Saver.

For **PROOF** Write to

P. R. PALETHORPE COMPANY,
LOUISVILLE, KY.

STANDARD FLOWER POTS

No Charge for Crates or Packing.

Inches	per 1000	Inches	per 100
1½	$ 2.77	7	$ 4.00
2	3.33	8	6.00
2½	3.88	9	8.88
3	5.27	10	13.33
3½	6.10	12	22.22
4	7.77	14	38.88
4½	10.00	16	66.66
5	13.88	20	each, 1.25
6	22.20		

Azalea Pots and Bulb Pans same as **Standard Pots.** 2 and 2½-in. Rose Pots, $3 88 per 1000
These pots are **carefully made,** very strong and porous. Liberal count is given, thereby protecting our patrons against possible breakage. **Above prices subject to 10 per cent. discount for cash.**

A. F. KOHR, 1521-23.25 N. Leavitt St., Chicago

SYRACUSE RED POTS
"MANY OF THEM."
May the New Year favor you and may you favor **Syracuse Red Pots** Their use insures greater profit for you, because they save space and are properly porous. Other reasons in the catalog.
SYRACUSE POTTERY CO., Syracuse, N. Y.

Standard Flower Pots!

Packed in small crates, easy to handle.

Price per crate			Price per crate		
1500 2-in., in crate,		$4 88	120 7-in., in crate,		$4 20
1500 2¼	"	5.25	60 8	"	3.00
1500 2½	"	6.00	HAND MADE.		
1000 3	"	5.00	48 9-in., in crate,		$3.60
800 3½	"	5.80	48 10	"	4.80
500 4	"	4.50	24 11	"	3.60
320 5	"	4 51	24 12	"	4.80
144 6	"	3.16	12 14	"	4.80
			6 16	"	4.50

Seed pans, same price as pots. Send for price list Cylinders for Cut Flowers, Hanging Baskets, Lawn vases, etc. Ten per cent off for cash with order. Address
HILFINGER BROS. POTTERY, Fort Edward, N. Y
or AUGUST ROLKER & SONS, New York Agents, 31 Barclay Street, New York City.

GEO. KELLER & SON,
MANUFACTURERS OF
FLOWER POTS.
Before buying write for prices.
361-363 Herndon Street, near Wrightwood Ave.,
CHICAGO, ILL.

Those Red Pots

"STANDARDS"
FULL SIZE AND WIDE BOTTOMS, BULB PANS AND AZALEA POTS.
DETROIT FLOWER POT M'F'Y.
HARRY BALSLEY, Rep. DETROIT, MICH. 490 Howard St.

Kramer's Pot Hangers

For Sale by Wholesale Seedsmen, Florists and Supply Dealers.
Price, $1.00 per dozen by express. Sample dozen by mail, $1.25.
L. N. Kramer & Son, CEDAR RAPIDS, IOWA.

Red Standard Flower Pots

Price list and samples on application.
PADUCAH POTTERY CO., Inc.
PADUCAH, KENTUCKY.

FOR SALE

GLASS New American. 50 sq. ft. to the box, 10x12 single $1.75 per box; 10x12, 12x12, 10x15, double, $2 55 per box; 12x14, 12x20. 14x14, 14x20, double, $2.70 per box; 16x16, 16x18. double, $2.90 per box; 16x24, double, $3.15 per box; 16x20 and 16x22. $3 00 per box. Secondhand. 8x12, single, at $1.50 per box; 10x14, old, double, $1.75; 8x14, old, double, $1.65.

GARDEN HOSE New, ¾-in, guaranteed 100-lbs pressure, 7½c. per ft; ¾-in. not guaranteed, 4¾c. per ft.

HOT-BED SASH New Cypress. 3ft x6ft. from 75cts. up; glazed, complete, from $1.60 up; Second-hand in good condition, all glass in, at $1.25 and $1.00 each.

PIPE Good serviceable second-hand. with threads; 2-inch, 7 cts.; 1¼-inch, 5½ cts; 1¼-inch, 4cts.; 1-inch, 3cts-; 2½-inch, 10cts; 3-inch, 14cts.; 4-inch, 19cts. New 2-inch, Standard, full lengths. with couplings. 8½cts. per ft. Old and new fittings and valves.

Get Our Prices on

Boilers, Pumps. Stillson Wrenches, Stocks and Dies, Pipe Cutters, Pipe Vises, Cypress Material, Etc.

METROPOLITAN MATERIAL CO.

1398-1408 Metropolitan Avenue, BROOKLYN, N.Y

GLASS

GOOD BRANDS.
QUICK SHIPMENTS.
LARGE STOCK.

Warehouse on railroad switch. **Be Sure and Get Our Prices.**

SHARP, PARTRIDGE & CO.,
22nd and Lumber Sts., CHICAGO.

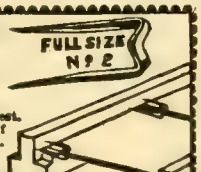
Please mention the American Florist when writing.

RHODES DOUBLE CUT PRUNING SHEAR

Cuts from both sides of limb and does not bruise the bark. We pay Express charges on all orders. Write for circular and prices.

RHODES MFG. CO.
Dept. 3. GRAND RAPIDS, MICH.

Holds Glass Firmly
See the Point
PEERLESS
Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
HENRY A. DREER, 714 Chestnut St., Phila., Pa.



STENZEL GLASS CO.,

GREENHOUSE GLASS.

French and American "WHITE ROSE" Brand.

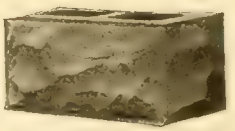
2 Hudson St., NEW YORK.

H. M. HOOKER CO.

Window Glass, Paints and Putty. Greenhouse Glass a Specialty.

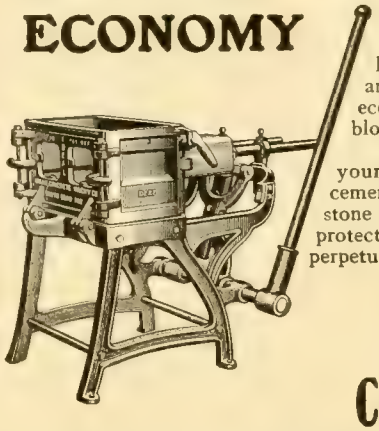
59 W. Randolph St., CHICAGO.

FROST-PROOF ECONOMY



Ideal Hollow Concrete Block construction will protect your greenhouse from frost and secure greatest economy in fuel. The illustration of hollow block explains it's resistance to frost.

With the Ideal Concrete Machine you can yourself make these blocks from sand, gravel and cement at little cost—far below the cost of brick, stone or lumber. Ideal Blocks not only give frost protection, but are absolutely fire-proof, and effect a perpetual saving in insurance.



IDEAL
Concrete Machines

May be operated by any man without previous experience. The process of making blocks is simple as making mortar. Blocks for every building purpose, with plain, tooled, ornamental face or natural stone effect made with the same machine. Simple, durable and adaptable to any size block within capacity.

Our catalogue will show you how to secure frost protection and fuel economy, as well as initial saving over cost of other materials. Write for it and it's freely yours.

IDEAL CONCRETE MACHINERY CO., Dept. Y, South Bend, Ind.

MUSSENS LIMITED, Montreal, Canada, Sole Agents for Canada.

Please mention the American Florist when writing.

The James H. Rice Co.

IMPORTERS and JOBBERS

GREENHOUSE GLASS

A SPECIALTY.

Window Glass, Paint, Putty, etc.

Office and Warehouse: Corner of Michigan, St. Clair and Illinois Streets, CHICAGO.

HASCO LIQUID NICOTINE

FOR SPRAYING AND VAPORIZING.

15% Stronger Than Any Made.
Pts., $1.35 Half Gal., $5.25. Gal. $10.00

THE H. A. STOOTHOFF CO., 116 West St., NEW YORK.

BOXES! BOXES!

Light Wood Cut Flower Boxes

SIZES IN STOCK:

	Per 100
3x 4x20	$ 4.00
3x 5x24	4.50
3x 7x21	4.50
6x 6x24	6.80
4x12x24	9.00
6x12x24	10.50
6x12x30	12.50
5x12x36	14.00
6x12x36	15.00
6x15x42	20.00
6x15x48	23.00

Write for samples.
Special prices in car-load lots.

GETMORE BOX FACTORY, Inc.
BELLEVILLE, ALA.

Starved Rose Bushes Never Bloom

And the successful florist wants more than ordinary bloom and stunted stem—he wants all there is in the soil, the bush, the stem, the bloom.

DON'T STARVE THE ROOTS.

Put away your bushes this fall with plenty of fall and spring food for the roots. The richest root food, stem and bloom producer you can use is

Wizard Brand Pulverized Sheep Manure

It goes further than any other fertilizer and costs less. No waste—no refuse or seeds.

Special prices to florists and greenhouse operators. Write for booklet.

THE PULVERIZED MANURE COMPANY,
32 Exchange Ave., CHICAGO

For Best Results

Advertisers should mail new advertisements and changes so as to reach us on Mondays.

Index to Advertisers.

Adv rates.....1198
Advance Co The... III
Allen J K 1207
Aming E C.....1202
AndorraNurseries..1215
Appel Conrad 1213
Aschmann Godfrey.1219
Atlanta Floral Co..1209
Barrows Henry&Son 1205
Bassett & Washburn. 1202 1221
Baumann L & Co...1231
Beaven E A.....1201
Beckert W C.....1211
Benthey-Coatsworth Co.....1202
Berckmans P J Co..1215
Berning H G. ... 1205
Bertermann BrosCo1208
Blackistone Z D....1209
Boddington A T ...1211
Boland J B Co.....1209
Brant S D.....1221
Breitmeyer's J Sons1208
Bruns H N II
Budlong A.....1202
Burpee W A & Co..1213
Byer Bros.....1218
Caldwell the Woodsman Co.....1201
Carillo & Baldwin..1219
Carlton H R.....1217
Carmody J D.....1232
ChicagoCarnationCo I
Chicago House Wrecking Co.....1232
ClevelandCutFloCo1209
ClipperLawnMower Co.....1222
Coles W. W.....1221
Conard & Jones Co.1219
Cooke Geo H.....1208
Cotsonas Geo & Co.1207
Cottage gardens....1215
Cowee W J.....1224
Craig Robert Co....1209
Cross Eli.....1201
Cunningham Jos H.1213
Daniels & Fisher...1208
Davis Bros.....1205
Deamud J B Co....1203
DetroitFloPotMfy..1222
Dietsch A Co..... III
Caskey & Diller Co.1232
Dillon J L.....1218
Dingee&ConardCo.1218
Donohoe W H.....1208
Dorner F & SonsCo. I
Dreer H A.....1213 1223
Dreyer R 1221
Dunford J W..... 1209
Eberman C W.....1207
EdwardsFold'gBox.1231
Elliott Wm H.....1205
Emmans Geo M....1209
Eyers H G.....1209
Faust Henry J..... 1219
Fellouris A J 12 7
Fennel L A.....1219
Fischer R..... ...1217
Florists'HailAss'n..1224
Flower Growers Co.1202
Foley Mfg Co.....1232
Ford Bros.....1207
For Sale and Rent..1199
Froment H E 1207
Galvin ThosF.....1204
Garland Geo M..... III
Garnsey M V III
Getmore Box Fcty.1223
Giblin & Co..... IV
Globe Eng Co.....1221
Gude A & Bro.....1208
Gullett W H &Sons1221
Gundestrup K & Co II
Gurney Heater Co. IV
Guttman Alex J.....1207
Guttman & Weber.1206
Haines John E 1217
Hansen Mrs M A...1208
Hartman Hjalmar..1211
Hauswirth P J.....1208
Heller & Co 1213
Henshaw A M.....1207
Herbert D & Son.. 1217
Herr Albert M.....1201
Herrmann A.....1224
Hess & Swoboda...1208
Hews A H & Co....1222
Hilfinger Bros.....1222
Hill The E G Co.... I
Hippard E.....1224
Hitchings & Co... IV
Holm & Olson.....1208
Holton& Hunkel Co1205
Hooker H M Co....1223
Hort Advertiser 1221
Hort Trade Journal.1232
Humfeld C.....1218
Hunt E H.....1202
Ideal concrete Mch Co.....1223
Igoe Bros.....1232
Ionia Pottery Co ...1222
Isbell S M & Co..... II
Jackson&PerkinsCo 1215
Janesville Floral Co1218
Jensen & Dekema..1217
Johnston HeatingCo1231
Journal Des Roses..1231
Kaempfer Fred....1231
Kasting W F..... I
Keller Geo & Son..1222
Keller J B & Sons..1209
Keller Pottery Co..1222
Kellogg Geo M.....12 8
Kennicott Bros Co.1202
Kervan Co The.....1207
KingConstructionCo 1232
Klehm's Nursery 1215 1219
Kohr A F.....1222
Kramer F H.....1218
Kramer I N & Son .1222
Kroeschell Bros Co1232
Kuehn C A.....1205
Kuhl Geo A.....1217
Lager & Hurrell....1207
Lange A.....1208
Langjahr A H 1207
Lecakes N & Co....1207
Leedle Floral Co...1215
Lilly Chas H & Co 1211
Livingston Seed Co. 1208 1232
Lord & Burnham Co IV
Matthews. Florist..1209
McCullough's J M Sons Co.....1205
McKellar Chas W..1202
McKissick W E....1205
Maxfield&Diemond1231
Mayberry & Hoover1208
May H B & Sons... II
Meier Carl..... .1218
MetropolitanMatCo1223
Mich Cut Flower Ex1201
Miller Theo.....1209
Mills the Florist....1208
Moninger J C Co....III
Moon The Wm HCo1215
Moore Hentz&Nash1207
Morse C C & Co....1211
Morehead Mfg Co..1224
Mosbaek L ghr's Co1218
Murdoch J B & Co .1205
Murray Samuel.....1208
Myers & Co.....1224
Natl FloBd ofTrade1231
N Y Cut Flower Ex 1207
NiehOop Paul.....1217
Niessen Leo Co 1205
Niuffer C M.....1215
Ocean Co Moss & Peat Co.....1201
Olbertz J.....1231
Pacific Seed Co..... II
Paducah Pottery ...1222
Palethorpe P R Co.1222
Palmer W J & Son.1208
Park Floral Co.....1208
Pennock Meehan Co1204
PerennialGardensCo 1215
Perfection Chem Co III
Peterson's Nursery.1215
Pieters A J seed Co1213
Pierson F R.....I 1213
Pierson U Bar Co... III
PittsburgCut FloCo1201
Pittsburg FloristEx1205
Poehlmann Bros Co1202
Pollworth C C Co 1208 1231
Pulverized Manure Co.....1223
Quaker City Machine Works.....1231
Randall A L Co....1209
Rawson W W & Co. II
Raynor J I.....1207
Ready reference....1225
Regan Print House. III
Reinberg Peter1200 1218
Rhodes MfgCo.....1223
Rice Bros.....1201
Rice James H Co. .1223
Rising—Dunscomb Co.....1209
Riverside ghrs.....1213
Roehrs Julius Co....1207
Robinson H M & Co. 1201 1205
Sander & Son 1207
Satler L L Lumb'r Co1232
Scharff Bros.....1217
Scheiden & Schoos.1220
Scheepers John&Co1213
Scherer John P.....1207
Schillo Adam.....1224
Schrader E.....1217
Schultheis Anton...1218
Schulz Jacob.....1209
Seligman Jno.....1207
SharpPartridge&Co1223
Sheridan W F 1207
ShippensburgFloCo1218
Siebert Co..... III
Sinner Bros. 1202
Situations & Wants1199
Skidelsky S S.....1209
Smith Wm C.....1205
Smith Nathan & Son1211
Smith W & T Co.... I
Smits Jacs.....1215
Standard Pump & Engine Co..... IV
Stearns Lumber Co IV
Stenzel Glass Co...1223
Stokes Seed Store..1211
Stoothoff H A & Co1223
Storrs & Harrison Co1215
Styer J J.....1211
Syracuse Pottery Co1222
Taylor F G Seed Co II
Texas Seed& FloCo1211
Thompson J D Carnation Co..... I
Thorburn J M & Co II
Totty Chas H 1207
Tr'ndley&Schenck.1207
Twin City Pottery Mfg Co.....1222
Van Heineneghen Bros &Co..... 1214
V'nHoutte PereSons1217
Vaughan & Sperry..1202
Vaughan's Seed Store .....I II 1219
Vick's Sons Jas.... II
Vincent R Jr & Son. 1211 1221
Virgin U J 1208
Wanzer ET.....1220
Ware Thos S.....1215
Weber F C.....1208
Weber H & Sons...1221
Weeber & Don..... II
Weiland & Risch...1202
Welch Bros.....1205
Whilldin Pot Co....1222
Wiboltt R.....1211
Wietor Bros..... 1201
Wild Gilbert H.....1125
Wilson Andrew III
Wilson Robt G.....1208
WintersonEF Co...1202
WittboldGeoCo12021217
Wood Bros.....1209
Youngs 1209
Young A L & Co...1207
Young Thos.....1207
Zech & Mann.....1203

MYERS & CO.
BUILDERS OF
Modern Greenhouses
HEATING BOILERS.
1122 Betz Bldg.,
PHILA., PA.

MOREHEAD
STEAM TRAPS

An Economic Investment for the Florist. Will save fuel, water, equipment and repairs. Write for catalogue.

MOREHEAD MFG. CO.
1047 Grand River Ave.,
DETROIT, : MICH.

THE STANDARD

VENTILATING MACHINERY

The original machine with self-oiling cups. The most powerful, least complicated, very compact, with ease of operation.

The New Duplex Gutter

Over six miles in use and highly recommended by all. The only Drip Proof gutter on the market.

The Standard Return Steam Trap

It has no equals for simplicity or its working. Catalogue free.

E. HIPPARD, Youngstown, Ohio.

IF YOU CAN'T
MAKE A PROFIT
ON AN ADVERTISEMENT HERE
it is the fault of your business methods.

—THE—
Florists' Hail Association

Insures over 23,000,000 square feet of glass, for particulars address

JOHN G. ESLER, Sec'y, SADDLE RIVER, N. J.

Please mention the American Florist when writing.

A. HERRMANN,

Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florists' Supplies.

SEND FOR PRICES

404-412 East 34th St., NEW YORK

Please mention the American Florist when writing.

LUMBER for Greenhouse Benches, Ship Lap, Drop Siding, Sheathing, Flooring, White Cedar Posts, Etc.

We are in special position to furnish "PECKY CYPRESS" everything in PINE and HEMLOCK BUILDING LUMBER. WRITE FOR PRICES.

Adam Schillo Lumber Co. Cor. Weed and Hawthorn St., CHICAGO. Tel. North 1626 and 1627.

Please mention the American Florist when writing.

Wired Toothpicks

10,000, $1.50: 50,000, $6.25. Manufactured by
W. J. COWEE, BERLIN, N. Y.
Sample free. For sale by dealers.

ANZEIGERATEN DES AMERICAN FLORIST.

Unsere Anzeigeraten sind: für den Zoll der einzelnen Spalte, $1.00 (M. 4.17); für die Seite, 30 Zoll, $30 (M. 125). Bei mehrmaligen Einrückungen werden Diskontoraten gewährt, wie folgt:

6 Einrückungen..... 5%; 26 Einrückungen.....20%;
13 Einrückungen..... 10%; 52 Einrückungen.....30%.

Raum auf den vorderen Seiten und auf der Rückseite des Umschlages wird nur in Jahreskontrakten und zu $1.00 (M. 4.17) den Zoll netto abgegeben. Zahlungen sind mittels Postanweisung erbeten.

TAUX D'ANNONCES DANS L'AMERICAN FLORIST.

Nos taux d'annonces sont $1.00 (Frs. 5-15) par pouce, largeur simple colonne, $30.00 (Frs. 154-50) par page de trente pouces avec escomptes sur les insertions consécutives, comme suit:

6 insertions.....5 pour cent. 26 insertions.....20 pour cent.
13 insertions.....10 pour cent. 52 insertions.....30 pour cent.

La place occupée par des annonces sur la première et la dernière couverture ne s'accorde que par contrat annuel au taux de $1.00 (Frs. 5-15), net, par pouce. Faites remise par Mandat-poste international.

Ready Reference Advertising.

ADVERTISEMENTS IN THIS DEPARTMENT 10 CENTS PER LINE, CASH WITH ORDER. COPY MUST REACH US MONDAY OF THE WEEK IN WHICH IT IS TO APPEAR

AGERATUMS.

Ageratums, Inimitable, 50c per doz.; $3 per 100. Stella Gurney, 40c per doz.; $2 per 100. R. Vincent, Jr. & Son, White Marsh, Md.

Ageratum, Gurney and Pauline, R. C., 60c per 100, prepaid. Shippensburg Floral Co., Shippensburg, Pa.

Ageratums, Gurney, P. Pauline and Snow Ball, 60c per 100; $5 per 1,000. C. Humfeld, Clay Center, Kans.

Ageratums, R. C., 60c per 100; $5 per 1,000. S. D. Brant, Clay Center, Kans.

Ageratums, leading vars., R. C., 60c. Byer Bros., Chambersburg, Pa.

ALTERNANTHERAS.

Altenantheras, red and yellow, 40c per doz.; $2 per 100. R. Vincent, Jr. & Son, White Marsh, Md.

Alternantheras, red and yellow, 60c per 100; $5 per 1,000. C. Humfeld, Clay Center, Kans.

Alternantheras, 3 kinds, R. C., 50c. Byer Bros., Chambersburg, Pa.

ALTHEAS.

Altheas, Conard & Jones Co., West Grove, Pa.

ALYSSUM.

Alyssum, dbl., R. C., $1 per 100; $8 per 1,000. S. D. Brant, Clay Center, Kans.

AMPELOPSIS.

Ampelopsis Veitchii, 2-yr., field-grown, $6 per 100; $55 per 1,000. Dingee & Conard Co., West Grove, Pa.

ARAUCARIAS.

Araucarias, 6 and 7-in., 4, 5 and 6 tiers, 25 to 30 ins. high, $1.50, $1.75, $2 and $2.50 each. Excelsa glauca, 7-in., specimens, 6 to 7 trs., 30 to 35 ins. high, $2, $2.50 and $3 each; 6-in., 3, 4 and 5 trs., 16 to 20 ins., $1 and $1.25 each. G. Aschmann, 1012 Ontario St., Philadelphia.

Araucaria excelsa, 6-in., 3 to 4 tiers, $1 each; $12 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Araucaria excelsa, R. Dreyer, Woodside, L. I., N. Y.

Araucarias. L. Van Houtte Pere, Ghent, Belgium.

ASPARAGUS.

Asparagus Sprengeri, 2½-in., $3 per 100; $25 per 1,000; 3½-in., $5 per 100. J. W. Dunford, Clayton, Mo.

Asparagus plumosus and Sprengeri, 2, 2½, 3 and 4-in., $2, $2.50, $5, $8 per 100. Ludvig Mosbaek, Onarga, Ill.

Asparagus plumosus, 2¼-in., $3; 3-in., $5. Sprengeri, 3-in., $4. W. H. Gullett & Sons, Lincoln, Ill.

Asparagus plumosus, 3-in., $5 per 100. Sprengeri, 3½-in., $6 per 100. Scharff Bros., Van Wert, O.

Asparagus, Commorensis, 2-in., $4 per 100; $35 per 1,000. J. F. Wilcox, Council Bluffs, Iowa.

Asparagus Sprengeri, 2-in., $2.50 per 100; plumosus, 2-in., $3 per 100; 3-in., $5 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus Sprengeri, 1-year-old clumps, large plants, $6 per 100; sample on application. Gus. Schlegel, 113 S. Main St., Butler, Pa.

Asparagus Sprengeri and plumosus, 2½ in., $4 per 100. Dingee & Conard Co., West Grove, Pa.

Asparagus Sprengeri, 3-in., $4 per 100. E. T. Wanzer, Wheaton, Ill.

AUCUBAS.

Aucuba Japonica, Var., 2 ft. high, $5 per doz. Vaughan's Seed Store, Chicago and New York.

AZALEAS.

Azalea indica, Mme. Van der Cruyssen, Prof. Wolters, Empress of India, Helen Thielman, Simon Mardner, 12 to 14-in. crowns, $45 per 100; 14 to 16-in., $55 per 100; 16 to 18-in., $90 per 100. Azalea mollis, 12 to 15 ins., high, $25 per 100; 15 to 18 ins., $35 per 100. Storrs & Harrison Co., Painesville, O.

Azaleas, in bud and bloom, Simon Mardner, Vervæneana, Deutsche Perle, 75c, $1, $1.25 and $1.50 each. G. Aschmann, 1012 Ontario St., Philadelphia.

Azaleas. Cottage Gardens Co., Queens, L. I. N. Y.

Azaleas. L. Van Houtte Pere, Ghent, Belgium.

Azaleas. Jacs Smith, Ltd., Naarden, Holland.

BAY TREES.

Bay trees, fine stock. R. Dreyer, Woodside, L. I., N. Y.

Bay Trees. L. Van Houtte Pere, Ghent, Belgium.

BEGONIAS.

Begonias, 8 kinds, 2-in., 2½c; R. C., $1.25. Rex, 3-in., 8c. Byer Bros., Chambersburg, Pa.

Begonia Rex, 2 and 2½-in., $5 per 100. Geo. M. Emmans, Newton, N. J.

Begonias, R. C., $1.50 per 100. S. D. Brant, Clay Center, Kans.

Begonias. Thos. S. Ware, Ltd., Feltham, England.

Begonias. L. Van Houtte Pere, Ghent, Belgium.

BOXWOOD.

Boxwood, 12 to 20 ins., 75c per pair; 24 ins., $1 per pair. Pyramids, 3 ft., $2.50 to $3 per pair; 4 ft., $3 to $4; 4 ft. 6 ins., $5; 5 ft., $7. A. Schulthels, College Point, N. Y.

BULBS, ROOTS, TUBERS.

Bulbs, begonias, tuberous rooted, single, Sep. colors, 40c per doz.; $3 per 100; $25 per 1,000; in mixture, 35c per doz.; $2.50 per 100; $22 per 1,000. Double, Sep. colors, 65c per doz.; $5 per 100; $40 per 1,000; in mixture, 50c per doz.; $4 per 100; $35 per 1,000. Hybrid frilled, 25c each; $2.50 per doz; $20 per 100. Gloxinia crassifolia grandiflora, all colors, 60c per doz.; $4 per 100; $35 per 1,000. Fancy leaved caladiums, 25 named vars., $1.50 per doz.; $10 per 100; mixed, $1.25 per doz.; $8 per 100. Henry A. Dreer, Philadelphia, Pa.

Bulbs, Gladiolus Colvilli, Alba The Bride, 75c per 100; $6 per 1,000; rubra, 60c per 100; $5 per 1,000. Miniature hyacinths, named vars., $2 per 100; $16 per 1,000. Narcissus, dbl. Von Sion, $1.50 per 100; $12 per 1,000. Princeps, 75c per 100; $6.50 per 1,000. Single Von Sion, $1.25 per 100; $10 per 1,000. Tulips, Cottage Maid, $1 per 100; $8 per 1,000. Keizerskroon, $1.75 per 100; $15 per 1,000. Lily of the valley, Pierson's Premier, $1.50 per 100; $13 per 1,000; case of 2,000, $24. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Bulbs, Narcissus Empress and Henry Irving, Candidum lilies. E. F. Winterson Co., 45 Wabash Ave., Chicago.

Bulbs, gladiolus, mixed, 60c per 100; $5 per 1,000. Geo. M. Emmans, Newton, N. J.

Bulbs of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Bulbs of all kinds, valley. John Scheepers & Co., New York.

Cannas, William Saunders, Ottawa, New York, 50c each; $5 per doz.; $35 per 100. Conard & Jones Co., West Grove, Pa.

Cannas, Burbank, Mme. Berat, Chas. Molin, J. Colette, Rochaine, Robusta, $1.50 per 100; $12.50 per 1,000. F. Vaughan, Chas. Henderson, $1.75 per 100; $15 per 1,000. Pierson's Premier, Elizabeth Hoss, Pennsylvania, $2 per 100; $17.50 per 1,000. Musafolia, Mme. Crozy, Crimson Bedder, $2.50 per 100; $20 per 1,000. Oscoda, Martha Washington, Egandale, $3 per 100; $25 per 1,000. Direktor Holtze, The Empress, $6 per 100; $50 per $1,000. David Harum, $5 per 100; $40 per 1,000. Nathan Smith & Son, Adrian, Mich.

Cannas, 40 leading vars., $10 per 1,000 and upwards. Dingee & Conard Co., West Grove, Pa.

Cannas, 10 varieties, $2.50 per 100. Jos. Cunningham, Delaware, O.

150,000 cannas, 35 leading varieties. Ludvig Mosbaek, Onarga, Ill.

Cannas. Thos. S. Ware, Ltd., Feltham, England.

Lily of the valley, pips for forcing, $1.50 per 100; $14 per 1,000. H. N. Bruns, 1409 W. Madison St., Chicago.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Sparaxis, $3.50 per 1,000. Ixias, mix., $2.50 per 1,000. Oxalis (Bermuda buttercup) $6 per 1,000. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Spireas, Astilboides floribunda, per 100, $4.50. Astilboides superba, per 100, $5.50. Blondin, per 100, $5. Compacta multiflora, per 100, $4.50. Japonica, per 100, $4.50. Vaughan's Seed Store, Chicago and New York.

BUTTERCUPS.

Buttercups, 3½-in. in bloom, $7 per 100. Carl Meier, Green Bay, Wis.

BUXUS.

Buxus, pyr. and standard form. Van Heiningen Bros. & Co., Boskoop, Holland.

CARNATIONS.

Carnations, rooted cuttings, Red Riding Hood, $12 per 100; $100 per 1,000. Rose pink Enchantress, $7 per 100; $60 per 1,000. White Perfection, Daybreak, Lawson, $6 per 100; $50 per 1,000. Helen Goddard, $5 per 100; $45 per 1,000. Fiancee, $4 per 100; $30 per 1,000. White Lawson, Bountiful, $3 per 100; $25 per 1,000. Lieut. Peary, Cardinal, Red Lawson, $4 per $100; $30 per 1,000. Victory, $6 per 100; $50 per 1,000. Variegated Lawson, $3 per 100; $25 per 1,000. Harlowarden, $2 per 100; $15 per 1,000. Aristocrat. Chicago Carnation Co., Joliet, Ill.

Carnations, rooted cuttings, Lawson, Nelson, $1.50 per 100; $10 per 1,000. Nelson Fisher, Enchantress, $2 per 100; $17.50 per 1,000. Mrs. Patten, $2 per 100; $17.50 per 1,000. Boston Market, $1.25 per 100; $10 per 1,000. Lady Bountiful, $2 per 100; $17.50 per 1,000. White Lawson, $3 per 100; $25 per 1,000. Robert Craig, $6 per 100; $50 per 1,000. Cardinal, $2.50 per 100; $20 per 1,000. Estelle, $2 per 100; $17.50 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

Carnation cuttings, Mrs. Lawson, $1.50 per 100; $12 per 1000. Lady Bountiful, $2.50 per 100; $20 per 1000. Cardinal, $3 per 100; $25 per 1000. White Lawson, President, Lieut. Peary, $2.50 per 100; $20 per 1000. White Perfection Victory, Robt. Craig, Ellen Goddard, $6 per 100; $50 per 1000. Estelle, Morning Glory, $2 per 100; $15 per 1000. Enchantress, $2 per 100; $18 per 1000. Glazonier, $1.75 per 100; $14 per 1000. Eli Cross, Grand Rapids, Mich.

Carnations, Aristocrat, Rose Pink Enchantress, White Perfection and other leading varieties. E. G. Hill Co., Richmond, Ind.

If you do not find what you need in our Ready Reference Department, write us about it.

Carnations, Beacon, cuttings, $12 per 100; $100 per 1000. Rose Pink Enchantress, $7 per 100; $60 per 1000. Red Chief, Winsor, Bonnie Maid, $12 per 100; $100 per 1000. Aristocrat, $12 per 100; $100 per 1000. White Perfection, Candace, Melody, Victory, Robt. Craig, $6 per 100; $50 per 1000. Vaughan's Seed Store, Chicago and New York.

Carnation cuttings, Enchantress, $2 per 100; $20 per 1,000. Crusader, $1.75 per 100; $12.50 per 1,000. Boston Market, Mrs. T. Lawson, Mrs. Nelson, $1.50 per 100; $12 per 1,000. Variegated Lawson, $4 per 100; $35 per 1,000. Candace, $5 per 100; $40 per 1,000. Scheiden & Schoos, 60 Wabash Ave., Chicago.

Carnations, rooted cuttings, Victory, $6 per 100; $50 per 1,000. Enchantress, $2 per 100; $18 per 1,000. W. Lawson, L. Bountiful, $3 per 100; $25 per 1,000. B. Market, P. Lawson, $1.50 per 100; $12.50 per 1,000. Nelson, $2 per 100; $15 per 1,000. E. T. Wanzer, Wheaton, Ill.

Carnations, rooted cuttings, Lady Bountiful, $2.50 per 100; $20 per 1,000. Enchantress, $2 per 100; $18 per 1,000. B. Market and Lawson, $1.50 per 100; $12.50 per 1,000. Q. Louise, $1 per 100; $9 per 1,000. J. W. Dunford, Clayton, Mo.

Carnations, rooted, cuttings, pink, white and variegated Lawson, Mrs. Patten, Candace, Melody, W. Perfection, L. Bountiful, Boston Market, White Cloud, Robt. Craig, Victory, Cardinal, Enchantress, Rose pink Enchantress. W. W. Coles, Kokomo, Ind.

Carnations, rooted cuttings. Red Chief, Bonnie Maid, Aristocrat, $12 per 100; $100 per 1,000. Rose Pink Enchantress, $7 per 100; $60 per 1,000; White Perfection, $6 per 100; $50 per 1,000. F. Dorner & Sons Co., La Fayette, Ind.

Carnations, rooted cuttings, guaranteed, Enchantress, $2 per 100; $18 per 1000. Bountiful, $2 per 100; $18 per 1000. Estelle, $1.80 per 100; $15 per 1000. Cash with order. Blanksma Bros., Grand Rapids, Mich.

Carnations, rooted cuttings, Enchantress, Bountiful, $2.50 per 100. Wolcott, Lawson, Queen, $1.50 per 100. Harlowarden, $2 per 100. Bassett & Washburn, 76 Wabash Ave., Chicago.

Carnations, Rose Pink Enchantress, rooted cuttings, $7 per 100; $60 per 1,000. S. S. Skidelsky, 824 No. 24th St., Philadelphia.

Carnations, strong rooted cuttings, Enchantress, $1.75 per 100; $15 per 1000. Queen Louise, $1.50 per 100; $14 per 1000. Gus. Schlegel, 113 S. Main St., Butler, Pa.

Carnations, White Enchantress, rooted cuttings, $12 per 100; $100 per 1,000. E. Schrader, New Springville, New York.

Carnations, Winsor and Aristocrat, $12 per 100; $100 per 1,000. Wm. F. Kasting, 383 Ellicott St., Buffalo, N. Y.

Carnations, rooted cuttings, best leading varieties, $1 per 1,000. Napoleon Lemay, New Bedford, Mass.

Carnation Victory, rooted cuttings, $6 per 100; $50 per 1,000. Guttman & Weber, 43 W. 28th St., New York.

Carnation Abundance, rooted cuttings, $5 per 100; $40 per 1,000. R. Fischer, Great Neck, L. I.

Carnation John E. Haines, rooted cuttings, $6 per 100; $50 per 1,000. John E. Haines, Bethlehem, Pa.

Carnation Victory, $6 per 100; $50 per 1,000. Jensen & Dekema, 674 W. Foster Ave., Chicago.

Carnation Mabelle, new, $12 per 100; $100 per 1,000. H. Weber & Sons Co., Oakland, Md.

Carnations for fall delivery. Wood Bros., Fishkill, N. Y.

Carnations. J. D. Thompson Carnation Co., Joliet, Ill.

Carnations, leading varieties. A. M. Herr, Lancaster, Pa.

Carnations, Geo. A. Kuhl, Pekin, Ill.

CHRYSANTHEMUMS.

Chrysanthemums, stock plants of the following varieties at $4 per 1000; Kalb, Glory of Pacific, Polly Rose, Pink Ivory, White Ivory, Wm. Duckham, Maud Dean, Marie Liger, Dr. Enguehard, A. J. Balfour, Alice Byron, R. Halliday, W. H. & C. B. Newman, Akron, N. Y.

Chrysanthemums, stock plants, Mrs. Duckham, Col. Appleton, Cheltoni, F. A. Cobbold, F. S. Vallis, Wm. Duckham, Nellie Pockett, Merza, Henry Robinson, etc., $10 per 100. C. Peterson, 307 Lincoln St., Flushing, N. Y.

Chrysanthemums, stock plants, Willowbrook, Kalb, Estelle, Wanamaker, Ivory, Robinson, Appleton, Bonnaffon, Halliday, Coombes, McNeice, Enguehard, 60c per doz.; $4 per 100. E. T. Wanzer, Wheaton, Ill.

Chrysanthemums, old stools, Polly Rose Appleton, Duckham in exchange for Begonia Glorie de Lorraine, or heap offer. Riverbank Greenhouses, Geneva, Ill.

Chrysanthemums, stock plants, M. F. Plant, $3 per doz.; $20 per 100. J. Nonin, $1 per doz.; $8 per 100. Henry I. Faust, Merion Station, Pa.

Stock plants of the Ceramic chrysanthemum, new cream color, now ready, 20c each; $2 per doz. Chas. Peterson, East Liverpool, Ohio.

Chrysanthemum October Frost. Orders taken for rooted cuttings, $6 per 100; 2½-in. pots, $8 per 100. A. C. Canfield, Springfield, Ill.

Chrysanthemums, best sorts, Golden Dome, White Duckham, Pres. Loubet, Mlle. Chabanne. E. G. Hill Co., Richmond, Ind.

Chrysanthemums, Garza, Diana, Gallis, Daisy. Scheiden & Schoos, 60 Wabash Ave., Chicago.

Chrysanthemums, stock plants, Jeanne Nonin and Golden Chadwick, $4 per 100. Klehm's Nurseries, Arlington Heights, Ill.

Chrysanthemums, Smith's Revised Manual, 40c. Nathan Smith & Son, Adrian, Mich.

Chrysanthemums. Wood Bros., Fishkill, N. Y.

CINERARIAS.

Cinerarias, 2½-in., $4 per 100; 3-in., $7 per 100; 4-in., $10 per 100. G. Aschmann, 1012 Ontario St., Philadelphia.

CLEMATIS.

Clematis Pan., 2-yr., field-grown, $7 per 100; $65 per 1,000. Dingee & Conard Co., West Grove, Pa.

Clematis, field-grown, 3-yr. Van Heiningen Bros. & Co., Boskoop, Holland.

COBOEA.

Cobœa Scandens, 4-in., $8 per 100. Godfrey Ashmann, 1012 Ontario St., Philadelphia, Pa.

COLEUS.

Coleus, Verschaffeltii, Golden Bedder and 10 other vars., 40c per doz.; $2 per 100. R. Vincent, Jr. & Son, White Marsh, Md.

Coleus, asst. R. C., 60c per 100, prepaid. Shippensburg Floral Co., Shippensburg, Pa.

Coleus, R. C., 70c per 100; $6 per 1,000. S. D. Brant, Clay Center, Kans.

Coleus, 30 vars., 70c per 100; $6 per 1,000. C. Humfeld, Clay Center, Kans.

CYCLAMENS.

Cyclamen plants, grand strain, 5-in., showing bud, $25 per 100. Riverbank Greenhouses, Geneva, Ill.

CYPERUS.

Cyperus gracilis, 2½-in. pots, $3.50 per 100. Dingee & Conard Co., West Grove, Pa.

DAHLIAS.

Dahlias, field-clumps, $1 per doz.; $6 per 100. R. Vincent, Jr. & Son, White Marsh, Md.

Dahlias, leading varieties. David Herbert & Sons, Atco, N. J.

Dahlias, 25 leading vars, named, Admiral Dewey, Constancy, Gloriosa, Orange King, Prof. Baldwin, Maid of Kent, C. W. Bruton, Uncertainty, field clumps, $5 per 100; $45 per 1,000. Catherine Duer, $8 per 100. Dingee & Conard Co., West Grove, Pa.

Dahlias. Thos. S. Ware, Ltd., Feltham, England.

DAISIES.

Paris daisies, R. C., giant white, yellow, $1; Alexandria, $1.25. Byer Bros., Chambersburg, Pa.

DEUTZIAS.

Deutzia gracilis, 6-in., $1.50 per doz.; $12 per 100. Lemoine, 6-in., $2.50 per doz.; $20 per 100. Vaughan's Seed Store, Chicago and New York.

DRACAENAS.

Dracæna Bruanti, 30-in., 6-in. pots, 50c each; $5 per doz. G. Aschmann, 1012 Ontario St., Philadelphia.

Dracæna indivisa, 4 and 5 ins., $10 and $25 per 100. Geo. M. Emmans, Newton, N. J.

FERNS.

Ferns, Barrowsii, 7-in., 75c to $1 each; 6-in., 50c; 5½-in., 40c; 5-in., 35c; 4-in., 25c. Scottii, 8-in., $1.25; 7-in., 75c; 6-in., 50c; 5½-in., 40c; 4-in., 20c. Boston, 7-in., 75c; 6-in., 50c; $5 per doz.; 5-in., 30c to 35c; 4-in., 20c. G. Aschmann, 1012 Ontario St., Philadelphia.

Ferns, Pteris magnifica, Pteris serrulata cristata, Pteris alb. lineata, Pteris Winnetti, Pteris Ouvrardi, $3 per 100; $25 per 1,000. Boston, Scottii and Piersoni, 3-in., $8; 4-in., $15; 5-in., $25; 6-in., $40 per 100. J. F. Wilcox, Council Bluffs, Iowa.

Ferns, Boston, Piersoni, Anna Foster, 2¼, 3 and 4-in., $3, $6 and $12 per 100; 6-in., $4; 8-in., $10; 10-in., $20 per doz. Elegantissma and Scottii, runners, $40 per 1,000. Boston, $20 per 1,000. Ludvig Mosbaek, Onarga, Ill.

Ferns, N. Piersoni, Elegantissima, 2¼-in. pots, $12 per 100; specimen plants, 6-in., $1 each; 8-in., $2; 10-in., $3; 12-in., $5; 14-in., $7.50; 16-in., $10. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns, Boston, 4-in., 10c; 3-in., 5c; Tarrytown, 3-in., 10c; 4-in., 15c; 6-in., 25c; runners, $1.50 per 100. Byer Bros., Chambersburg, Pa.

Ferns, Whitmani, 2¼-in., $10 per 100. Bostons, 2¼-in., $3 per 100. H. H. Barrows & Son, Whitman, Mass.

Ferns, Boston, from bench, for 4 and 5-in., $10 and $15 per 100. J. W. Dunford, Clayton, Mo.

Ferns, N. Whitmani, young plants from bench, $6 per 100. Davis Bros., Morrison, Ill.

Ferns, orders booked now for N. Amerpohli. Janesville Floral Co., Janesville, Wis.

Ferns, Boston, 5-in., 30c each. Piersoni, 6-in., 50c each. Geo. M. Emmans, Newton, N. J.

Ferns, all varieties. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Ferns, all leading varieties, R. Dreyer, Woodside, L. I., N. Y.

Ferns, all kinds. Geo. A. Kuhl, Pekin, Ill.

FUCHSIAS.

Fuchsias, Minnesota, Lieutenant, Minister Boucher, Black Prince, Speciosa, Elm City and other vars., 50c per doz.; $2.50 per 100. R. Vincent, Jr. & Son, White Marsh, Md.

Fuchsias, 5 kinds, $1.25, R. C., Byer Bros., Chambersburg, Pa.

Fuchsias, $1. Shippensburg Floral Co., Shippensburg, Pa.

GERANIUMS.

Geraniums, S. A. Nutt, John Doyle, Perkins, dbl. Gen. Grant, La Favorite, 2-in., $2; rooted cuttings, $1 per 100. Trego and Castellane, 2-in., $4 per 100. Geo. M. Emmans, Newton, N. J.

Geraniums, leading vars. A. M. Herr, Lancaster, Pa.

If you do not find what you need in our Ready Reference Department, write us about it.

Geraniums, Alliance, 25c each; $2.50 per doz. Caesar Franck, 25c each; $2.50 per doz. Eugene Sue, $1.50 per doz.; $10 per 100. Justo Oliver, $1.50 per doz.; $10 per 100. Cactus geraniums, 20c each; $1.50 per doz. Collosus, $1 per doz.; $6 per 100. Double Dryden, 75c per doz.; $4 per 100. Trego, 75c per doz.; $4 per 100. Tiffin, $2 per doz.; $10 per 100. Fleuve Blanc, $1.50 per doz.; $10 per 100. Centaure, 40c per doz.; $2 per 100. Jean de Le Breto, 50c per doz.; $3 per 100. El Cid, 40c per doz. Miss Kendall, 40c per doz.; $2 per 100. R. Vincent, Jr. & Son, White Marsh, Md.

Geraniums, the following, "Six Kings"; S. A. Nutt, deep scarlet; A. H. Trego, scarlet; Peter Henderson, bright scarlet; Beaute Poitevine, salmon; Jean Viaud, pink; Mme. Buchner, white; all semi-double, strong top cuttings, well rooted, $1.75 per 100; $16 per 1,000. Cash. The W. T. Buckley Co., Springfield, Ill.

Geraniums, 10 varieties, my selection, 2 and 2½-in., $3 per 100. Jos. Cunningham, Delaware, O.

GLOXINIAS.

Gloxinias. L. Van Houtte Pere, Ghent, Belgium.

GREENS.

Greens, fancy and dagger ferns, $1.50 per 1,000. Galax, green and bronze, $1 per 1,000; $7.50 per 10,000 case. Southern wild smilax, $3.50 and $7 per case. Laurel festooning, 5c and 6c per yard. Branch laurel, 50c per bundle. Leucothoe sprays, $1 per 100. Sphagnum moss, 50c per bag; 5 bags, $2. Green moss, $1 per bbl. Henry M. Robinson & Co., 15 Province St., Boston, Mass.

Greens, wild smilax, $2.50 per case. Long needle pines, $1 per doz. Palm leaves, $2.50 per doz. Palmetto leaves, $2.50 per doz. Magnolia, $2.50 per case. Sheet moss, $2 per sack. Grey moss, $2 per sack. Galax, $1 per 1,000. Caldwell The Woodsman Decorating Co., Evergreen, Ala.

Greens, galax leaves, ferns and leucothoe sprays, holly. Princess pine, all kinds of evergreens. Galax leaves, $1 per 1,000. N. Lecakes & Co., 53 W. 28th St., New York.

Greens, fancy ferns, $1.50 per 1,000. Green and bronze galax, $1.25 per 1,000. Boxwood, 20c per lb., 50 lb., $8.50. Michigan Cut Flower Exchange, Detroit, Mich.

Greens, cut palmetto and cycas palm leaves, galax, leucothoe, ferns, mosses and all decorating evergreens. The Kervan Co., 20 W. 27th St., New York.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 52 W. 28th St., New York.

Greens, evergreens, galax, ferns, decorative supplies, moss. John P. Scherer, 636 Garden St., Union Hill, N. J.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. A. J. Fellouris, 52 W. 28th St., New York.

Greens, Beaven's fadeless sheet moss, $3.50 per bag. Southern wild smilax. E. A. Beaven, Evergreen, Ala.

HARDY PERENNIALS.

Iris Germanica, Mme. Chereau, Gracchus, Florentine, Socrates, Duchess de Nemours, Dr. Bernice and 20 others, $2.50 per 100; $22.50 per 1,000. Hemerocallis in 10 vars., $3.75 per 100; $30 per 1,000. Delphinium Belladonna, 1 yr., plants, $6.25 per 100; $57.50 per 1,000; 3 yr., clump, $8.75 per 100; $75 per 1,000. Chrysanthemum maximum King Edward, largest white Marguerite, strong from ground, $8.75 per 100. Lathyrus latifolius White Pearl, from ground, $12.50 per 100. Thos. S. Ware, Ltd., Feltham, England.

Dielytra spectabilis, strong clumps, $8 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Hardy, perennial herbaceous plants, 50,000 field and pot grown. Ludvig Mosbaek, Onarga, Ill.

Hardy pink, Her Majesty, $1; Abbottsford, 75c. Shippensburg Floral Co., Shippensburg, Pa.

HELIOTROPE.

Heliotrope, R. C., $1 per 100; $8 per 1,000. S. D. Brant, Clay Center, Kans.

Heliotrope, 3 kinds, R. C., $1. Byer Bros., Chambersburg, Pa.

HIBISCUS.

Hibiscus Syriacus Meehani. P. J. Berckmans Co., Inc., Augusta, Ga.

HOLLYHOCKS.

Hollyhocks, separate colors, $7.50. Perennial Gardens Co., Toledo, O.

HONEYSUCKLES.

Honeysuckles. Conard & Jones Co., West Grove, Pa.

HYDRANGEAS.

Hydrangeas. Van Heiningen Bros. & Co., Boskoop, Holland.

IVY.

Ivy, English, 40c per doz.; $2 per 100. Parlor ivy, 40c per doz.; $2 per 100. R. Vincent, Jr. & Son, White Marsh, Md.

Ivy, German, 60c. Shippensburg Floral Co., Shippensburg, Pa.

JERUSALEM CHERRIES.

Jerusalem cherries, 12-in., pans, 7 plants to pan, 75c each; 3½-in., $6 per 100. J. W. Dunford, Clayton, Mo.

LANTANAS.

Lantanas, good assortment, 40c per doz.; $2 per 100. R. Vincent, Jr. & Son, White Marsh, Md.

Weeping lantana, 2½-in., $3.50 per 100. Dingee & Conard Co., West Grove, Pa.

MANETTI STOCKS.

Manetti stocks, French, $1.50 per 100; $12 per 1000; $50 per 5000; $80 per 10,000. English, $2 per 100; $15 per 1000; $60 per 5000; $100 per 10,000. Vaughan's Seed Store, Chicago and New York.

Manetti stocks, grafting size, 3-5 mm., $7 per 1,000; $65 per 10,000; 1st size, 5-10 mm., $9 per 1,000; $80 per 10,000. Jackson & Perkins, Newark, N. Y.

MOSS.

Sphagnum moss, leaf mould, peat, decorating and designing moss, Argany moss, green in sacks. Ocean Co. Moss and Peat Co., Waretown, N. J.

MUSHROOM SPAWN.

Mushroom Spawn, Pure Culture, per 10 bricks, $1.50; 25 bricks, $3.50; 50 bricks, $6.50; 100 bricks, $12. W. C. Beckert, 103 Federal St., Allegheny, Pa.

Mushroom Spawn, pure culture Spawn, and importers of English mushroom Spawn. Knud Gundestrup & Co., 4273 Milwaukee Ave., Chicago.

Mushroom Spawn, English and pure culture. Weeber & Don, 114 Chambers St., New York.

Mushroom Spawn, frequent importations from England. J. J. Styer, Concordville, Pa.

NURSERY STOCK.

Nursery stock, American arbor vitæ, Tartarian honeysuckle, Barberry Thunbergii, Deutzia Pride of Rochester, Shade trees, fruit trees, shrubs. W. & T. Smith Co., Geneva, N. Y.

Nursery stock, Viburnum plicatum, hardy shrubs, vines and plants of all kinds. Dingee & Conard Co., West Grove, Pa.

Nursery stock, trees and shrubs. Price list on application. Peterson's Nursery, 503 W. Peterson Ave., Chicago.

Nursery stock, large trees, oak, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, pot-grown shrubs, conifers and ornamental stock. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, evergreen and deciduous flowering shrubs and vines. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, deciduous trees and shrubs, evergreens. Cottage Gardens Co., Queens, L. I., N. Y.

Nursery stock, plants and shrubbery of all kinds. Dingee & Conard Co., West Grove, Pa.

Nursery stock, all kinds of hardy stock. Klehm's Nurseries, Arlington Heights, Ill.

ORCHIDS.

Orchids, C. Dowiana, C. Gigas, C. Mossiæ, C. Percivaliana, C. speciosissima, C. Eldorado, C. superba, C. labiata, C. Leopoldi. Lager & Hurrell, Summit, N. J.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England; New York office, room 1, 235 Broadway.

Orchids, Cattleya labiata, Trianæi, Percivaliana, Mossiæ, Mendelli and Shroderæ. Julius Roehrs Co., Rutherford, N. J.

Orchids, leading varieties. Carrillo & Baldwin, Secaucus, N. J.

Orchids, Cattleya Mossiæ. L. A. Fennell, Cythiana, Ky.

PALMS.

Palms, Kentia Fors., made-up, 1 large and 3 small in pot, 45 to 48, 25 to 30 ins., $2, $2.50; 6-in., single, 36 to 45 ins., 5 to 6 leaves, $1.25 to $1.75; 6-in., 32 to 36 ins., 5 to 6 lvs., $1; 5½ to 6-in., 30 ins., 5 lvs., 75c. Areca Sapida, 6-in., 50c each. G. Aschmann, 1012 Ontario St., Philadelphia.

Palms Latania Bor., 4-in., $15 per 100. Kentia Bel., 5-in., $60 per 100. Storrs & Harrison Co., Painesville, O.

Palms, leading vars. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Palms of all kinds. R. Dreyer, Woodside, L. I., N. Y.

Palms. L. Van Houtte Pere, Ghent, Belgium.

PANICUMS.

Panicums, varigatium, 40c per doz.; $2 per 100. R. Vincent, Jr. & Son, White Marsh, Md.

PANSIES.

Pansies, $3 per 1,000; 50c per 100. Jos. H. Cunningham, Delaware, O.

PELARGONIUMS.

Pelargoniums, rooted cuttings, 15 named vars., $2.25 per 100 prepaid. S. D. Brant, Clay Center, Kans.

PEONIES.

Peonies, Prince Charles, Lord Salisbury, Duchess of Sutherland, Rosea maxima, Mme. Furtado, Philomile, Leonie, Mons. Boquil, Festiva, Hypatia, Mons. Rousselon, Mme. Moreau, 1 yr., $1.50 per doz.; $10 per 100; 2 yr., $2 per doz.; $15 per 100. Thos. S. Ware, Ltd., Feltham, England.

Peonies, Queen Victoria, $9 per 100. Festiva Maxima, $30 per 100; Fragrans, $6 per 100. G. H. Wild, Sarcoxie, Mo.

Peonies a specialty. Peterson Nursery, 503 W. Peterson Ave., Chicago.

Peonies, all vars. Jacs Smits, Ltd., Naarden, Holland.

PETUNIAS.

Petunias, dbl. fringed, mixed, 50c per doz.; $2.50 per 100. R. Vincent, Jr. & Son, White Marsh, Md.

Petumias, dbl., R. C., $1.25 per 100; $10 per 1,000. S. D. Brant, Clay Center, Kans.

Petunias, R. C., 10 kinds, $1. Byer Bros., Chambersburg, Pa.

Primula Chinensis, 3½-in., in bloom, $8 per 100. Carl Meier, Green Bay, Wis.

POINSETTIAS.

Poinsettias, 6-in. pans, 3 plts. in pan, $1 each; $10 per doz.; 7-in., 4 plts., $1.25 each; $12 per doz.; 8-in., 5 plts. in pan, $1.75 each; $20 per doz.; 10-in., 6 plats. in pan, $2.50 each; $30 per doz. Vaughan's Seed Store, Chicago and New York.

PRIVET.

Privet, California, the best. R. Dreyer, Woodside, L. I., N. Y.

If you do not find what you need in our Ready Reference Department, write us about it.

RHODODENDRONS.

Rhododendrons, leading forcing vars., $18 to 20 ins. high, full of buds, $9 per doz.; 20 to 24 ins., $12 per doz. Storrs & Harrison Co., Painesville, O.

Rhododendrons, leading vars., 10 to 15 buds, $1.25 each; $12 per doz. Vaughan's Seed Store, Chicago and New York.

Rhododendrons. Van Heiningen Bros. & Co., Boskoop, Holland.

Rhododendrons. Jacs Smits, Ltd., Naarden, Holland.

Rhododendrons, Cottage Gardens Co., Queens, L. I., N.Y.

ROSES.

Roses, hybrid, best kinds, 2-yr., $11 per 100. Crimson Rambler, 2-yr., 3 to 4 ft., $12 per 100; 3-yr., 4 to 5 ft., $15 per 100. Frau Karl Druschke, 2-yr., field-grown, $2 per doz.; $15 per 100. American Beauty, 2-yr., $2 per doz.; $15 per 100. Kaiserin Aug. Victoria, 2-yr., $2 per doz.; $15 per 100. Baby Rambler, 2-yr., $3 per doz.; $25 per 100; 1-yr., $2 per doz.; $15 per 100. La France, 2-yr., $2 per doz.; $15 per 100. Gruss an Teplitz, 2-yr., $2 per doz.; $15 per 100. Vaughan's Seed Store, Chicago and New York.

Roses, rooted cuttings, Richmond, $1.00 per 100; $12.50 per 1,000. Liberty, $2 per 100; $17.50 per 1,000. Bridesmaid, Bride, $1.50 per 100; $12.50 per 1,000. Sunrise, $3 per 100; $25 per 1,000. Uncle John, Chatenay, Ivory, $1.50 per 100; $12.50 per 1,000. Perle, $2 per 100; $17.50 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

Roses, home grown, Baby Rambler, $2.50 per doz.; $20 per 100. Hermosa, $1.65 per doz.; $12.50 per 100. C. Soupert, $1.65 per doz., $12.50 per 100. Imported, extra heavy hybrid perpetuals, all vars., $1.50 per 10; $12.50 per 100. Baby Rambler, $2 per 10; $17.50 per 100; Crimson Rambler, $1.75 per 10; $15 per 100. Perennial Gardens Co., Toledo, O.

Roses. We grow to order for March, April and May delivery. Bride, Bridesmaid, Perle, Chatenay, Ivory and Richmond rose plants, from 2½-in. pots, at $3 per 100; $25 per 1,000. First-class stock guaranteed. J. F. Ammann, Edwardsville, Ill.

Roses, rooted cuttings, Brides, Maids, Chatenay, Richmond. $1.50 per 100; $12.50 per 1,000. Carnot, Kaiserin, Perles, $2.50 per 100; $20 per 1,000. Am. Beauty, $3 per 100; $25 per 1,000. Bassett & Washburn, 76 Wabash Ave., Chicago.

Roses, rooted cuttings, Bride, Maid, Golden Gate, Chatenay, $1.50 per 100; $12.50 per 1,000. Richmond, $2 per 100; $18 per 1,000. W. H. Gullett & Sons, Lincoln, Ill.

Roses, 2-yr., field-grown. Dorothy Perkins, $8 per 100. Crimson Rambler, $10 per 100. Hybrid perpetuals, $10 to $12 per 100. Jackson & Perkins, Newark, N. Y.

Rose, Queen Beatrice, finest forcing pink, to be disseminated spring of 1907. F. H. Kramer, 916 F St., N. W., Washington, D. C.

Roses, Killarney, rooted cuttings and plants, large stock, early delivery. Write to headquarters. Welland & Risch, 59 Wabash Ave., Chicago.

Roses, rooted cuttings of Bride and Bridesmaid, $1.50 per 100. Brant Brothers, Utica, N. Y. Successors to Peter Crowe.

Roses, 2¼ and 4-in. pot plants, Phila. Rambler, Cr. Rambler, Dorothy Perkins and others. Conard & Jones Co., West Grove, Pa.

Roses, 1,000 varieties, from 2½, 4 and 5-in. pots, own roots. Dingee & Conard Co., West Grove, Pa.

Roses, Crimson Rambler, 4 to 7 ft., $8 per 100; No. 2's, $4 per 100. C. M. Niuffer, Springfield, O.

Roses, 101 best sorts, own roots, 2½ and 4-in. Leedle Floral Co., Springfield, O.

Roses, low bud, Baby, Beauty, Persian yellow, Standard H.P., etc. Van Heiningen Bros. Co., Boskoop, Holland.

Rose Aurora. Paul Niehoff, Lehighton, Pa.

Roses, leading kinds. W. & T. Smith Co., Geneva, N. Y.

Roses, climbing plants. Jacs Smits, Ltd., Naarden, Holland.

Roses, from 3-in. pots. Wood Bros., Fishkill, N. Y.

Roses. Geo. A. Kuhl, Pekin, Ill.

SAGE.

Sage, Holt's Mammoth, 40c per doz.; $2 per 100. R. Vincent, Jr. & Son, White Marsh, Md.

SALVIAS.

Salvias, R. C., $1 per 100; $8 per 1,000. S. D. Brant, Clay Center, Kans.

Salvias, Bonfire and Splendens, R.C., 90c. Byer Bros., Chambersburg, Pa.

Salvia Bonfire, R. C., 75c. Shippensburg Floral Co., Shippensburg, Pa.

SEEDS.

Seeds, beets, cabbage, Cannon Ball and Rocky Ford muskmelon, watermelon, Bermuda and Calif. onion, okra, mustard, French and Calif., grown, radish, tomato, Mexican June corn, Kaffir corn, German millet, dwf. yel. Milo Maize, sugar cane, winter barley, Red Rust Proof oats, cotton seed, Whip. and white black-eyed field peas, Spanish peanuts, Johnson and Bermuda grass. Texas Seed and Floral Co., Dallas, Tex.

Seeds, sweet peas, Black Michael, David R. Williams, Phenomenal, oz., 10c; 4 ozs., 30c; lb., $1. E. J. Castle, Frank Dolbl, Mrs. A. Watkins, The Fairy, original pkt., 18c. Evelyn Byatt, Helen Lewis, Henry Eckford, John Ingman, oz., 15c; 4 ozs., 50c; lb., $1.50. Gladys Unwin, oz., 10c; 4 ozs., 20c; lb., 60c. Romolo Piazzani, oz., 25c; 4 ozs., 75c; lb., $2.50. Shasta, oz., 20c; 4 ozs., 60c; lb., $2. W. W. Rawson & Co., 5 Union St., Boston, Mass.

Seeds, Salvia, Bonfire, Floracroft strain, trade pkt., 30c; oz., $2. Verbenas, all colors and mixed, tr. pkt., 30c; oz., $1.25. Phlox Drummondi grandi, separate colors, tr. pkt., 20c; oz., 75c. Dwarf Compact, Snowball and Fireball, tr. pkt., 30c. Asters, finest sorts. Antirrhinum, giant white, garnet, pink, scarlet striped, yellow, mixed, tr. pkt., 20c; oz., 60c. Stoke's Seed Store, 219 Market St., Philadelphia.

Seeds, Asparagus, A. plumosus nanus, Northern greenhouse grown seed, 100 seeds, 60c; 250 seeds, $1.25; 1,000 seeds, $4.50. Southern greenhouse grown, 1,000 seeds, $2.50; 5,000 seeds, $10. A. plumosus robustus, 100 seeds, $1; 1,000 seeds, $9. Decumbens, 100 seeds, 50c; 1,000 seeds, $40. Comorensis, 100 seeds, $1; 1,000 seeds, $7.50. Cash discount 2 per cent. Vaughan's Seed Store, Chicago and New York.

Seeds, sweet peas, Earliest White, per pkt. (40 seeds), 25c; 5 pkts., 75c net. ½ size pkts., 15c; 2 pkts., 25c; 10 pkts., 75c. Burpee's Earliest of All, per oz., 10c; ¼ lb., 30c; per lb., $1. W. Atlee Burpee & Co., Philadelphia.

Seed, Asparagus plumosus, 1,000 seeds. $2; 6,000, $10; 13,000, $20; 25,000, $35; 50,000, $65; 100,000, $110. F. G. Taylor Seed Co., Inc., Box 99, Glendale, Cal.

Seeds, mignonette, New York Market. Sweet peas, pink and white. Tomato, The Don, Stirling Castle. Weeber & Don, 114 Chambers St., New York.

Seeds, specialties, beans, cucumber tomato, radish, peas, muskmelon, sweet corn and squash. S. M. Isbell & Co., Jackson, Mich.

Seeds, all kinds, specialties, onion, carrot, lettuce, sweet peas. Pacific Seed Growers' Co., 109 Market St., San Francisco.

Seeds, cabbage and cauliflower. Hjalmar Hartmann & Co., 12 Stormgade, Copenhagen, 31 Barclay St., New York.

Seeds, Primula Sinensis, herbaceous calceolaria, etc. H. B. May & Sons, Upper Edmonton, London, Eng.

Seeds. W. Atlee Burpee Co., Philadelphia, Pa.

Seeds, all kinds of vegetable and flower seeds. C. C. Morse & Co., 171 Clay St., San Francisco.

Seeds, high grade grass, clover, agricultural and forest tree seeds. Conrad Appel, Darmstadt, Germany.

Seed, Asparagus plumosus, $2.50 per 1,000; 60c per 100. Jos. Cunningham, Delaware, O.

Seeds, gaillardia, all colors, large packet, $1. Riverside Greenhouses, Auburndale, Mass.

Seeds, highest grade. J. M. Thorburn & Co., 33 Barclay St., New York.

Melon seeds a specialty. Freeman Hurff, Swedesboro, N. J.

Seeds, high grade asters. James Vick's Sons, Rochester, N. Y.

Seeds of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Seeds, vegetable and flower. A. J. Pieters Seed Co., Hollister, Cal.

Seeds, Snowball cauliflower. R. Wiboltt, Nakskov, Denmark.

Seeds, Puget Sound Cabbage. Chas. H. Lilly Co., Seattle, Wash.

Seeds, all kinds. John Scheepers & Co., New York.

SMILAX.

Smilax. Wood Bros., Fishkill, N. Y.

SPIREAS.

Spireas, Gladstone, select clumps, $12 per 100. Astilboides floribunda, $5 per 100; case of 300 clumps, $12. Compacta multiflora, $6 per 100. Japonica, $5 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Spirea nana compacta, Clumps, $4 per 100. Storrs & Harrison Co., Painesville, O.

Spireas. Conard & Jones Co., West Grove, Pa.

Spireas. Jacs Smits, Ltd., Naarden, Holland.

STEVIAS.

Stevia, rooted cuttings, $1 per 100. E. T. Wanzer, Wheaton, Ill.

SWAINSONA.

Swainsona alba, R.C., $1. Byer Bros., Chambersburg, Pa.

VEGETABLE PLANTS.

Vegetable plants, cabbage, New Early and Succession, $1.25 per 1,000. Lettuce, Grand Rapids, Big Boston, Boston Market and Tennis Ball, $1 per 100. Parsley, Moss Curled, $1.25 per 1,000. Tomatoes, Lorillard and Mayflower, 40c per doz.; $2 per 100. R. Vincent, Jr., & Son, White Marsh, Md.

VERBENAS.

Verbenas, 60 named vars., Rooted cuttings, 75c per 100; $6 per 1,000. Plants, $2.50 per 100; $20 per 1,000. J. L. Dillon, Bloomsburg, Pa.

Lemon verbenas, 40c per doz.; $2 per 100. R. Vincent, Jr. & Son, White Marsh, Md.

Verbenas, R. C., 60c per 100; $5 per 1,000. S. D. Brant, Clay Center, Kans.

VIBURNUMS.

Viburnum plicatum. Conard & Jones Co., West Grove, Pa.

VINCAS.

Vinca Var., R. C., 90c per 100; $7.50 per 1,000. Shippensburg Floral Co., Shippensburg, Pa.

Vinca Var., 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

Vinca Var., R. C., 90c. Byer Bros., Chambersburg, Pa.

VIOLETS.

Violets, Lady Hume Campbell, Princess of Wales, Swanley White, Admiral Avellan, Luxonne, from 2½-in. pots, $3.50 per 100; $30 per 1,000. Dingee & Conard Co., West Grove, Pa.

Violets, Gov. Herrick, new single violet, good keeper; rooted cuttings $2 per doz.; $10 per 100; $75 per 1,000; 5,000 or more, $60 per 1,000. H. R. Carlton, Willoughby, O.

Violets. Wood Bros., Fishkill, N. Y.

If you do not find what you need in our Ready Reference Department, write us about it.

WHOLESALE CUT FLOWERS.

Commission Dealers.

Allen, J. K., 106 W. 28th St., New York.
Amling, E. C., 32-36 Randolph St., Chicago.
Berning, H. G., 1402 Pine St., St. Louis.
Cleveland Cut Flower Co,, 215 Huron road, Cleveland, O.
Deamud, J. B., Co., 51 Wabash Ave., Chicago.
Eberman, C. W., 53 W. 30th St., New York.
Flower Growers' Market, 60 Wabash Ave., Chicago.
Ford Bros., 48 W. 28th St., New York.
Froment, Horace E., 57 W. 28th St., New York.
Guttman, Alex. J., 43 W. 28th St., N. Y.
Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.
Henshaw, A. M., 52 W. 28th St., New York.
Horan, Edward C., 55 W. 28th, N. Y.
Hunt, E. H., 76 Wabash Ave., Chicago.
Kennicott Bros. Co., 40-44 Randolph St., Chicago.
Kuehn, C. A., 1122 Pine St., St. Louis.
Langjahr, Alfred H., 55 W. 28th St., New York.
McCullough's Sons Co., J. M., 316 Walnut St., Cincinnati, O.
McKellar, Chas. W., 51 Wabash Ave., Chicago.
McKissick, W. E., 1221 Filbert St., Philadelphia.
Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.
Murdoch, J. B., & Co., 745 Liberty Ave., Pittsburg, Pa.
N. Y. Cut Flower Ex., Coogan Bldg., 6th Ave. and W. 26th St., New York.
Niessen Co., Leo, 1217 Arch St., Phila.
Pennock-Meehan Co., 1608-18 Ludlow St., Philadelphia.
Pittsburg Cut Flower Co., Ltd., 222 Oliver Ave., Pittsburg, Pa.
Pittsburg Florists' Exchange, 217-223 Diamond St., Pittsburg, Pa.
Pollworth, C. C. Co., Milwaukee, Wis.
Randall, A. L. Co., 19 Randolph St., Chicago.
Raynor, John I., 49 W. 28th St., N. Y.
Rice Bros., 128 N. 6th St., Minneapolis, Minn.
Robinson, Henry M., & Co., 11-15 Province St., Boston.
Seligman, John, 56 W. 26th St., N. Y.
Sheridan, Walter F., 39 W. 28th St., New York.
Smith & Co., W. C., 1316 Pine St., St. Louis, Mo.
Traendley & Schenck, 44 W. 28th St., New York.
Vaughan & Sperry, 58-60 Wabash Ave., Chicago.
Welch Bros.; 226 Devonshire St., Boston.
Winterson, E. F. Co., 45-49 Wabash Ave., Chicago.
Young, A. L. & Co., 54 W. 28th St., New York.
Young, Thos., 43 W. 28th St., N. Y.
Zech & Mann, 51 Wabash Ave., Chicago.

Growers.

Bassett & Washburn, 76-78 Wabash Ave., Chicago.
Benthey-Coatsworth Co., The, 35 Randolph St., Chicago.
Bruns, H. N., 1409-11 W. Madison St., Chicago.
Budlong, J. A., 37-39 Randolph St., Chicago.
Chatogue Greenhouses, Mobile, Ala.
Elliott, W. H., Brighton, Mass.
Hill, The E. G. Co., Richmond, Ind.
Jensen & Dekema, 674 W. Foster Ave., Chicago.
Peacock Dahlia Farms, Atco, N. J.
Poehlmann Bros. Co., 35-37 Randolph St., Chicago.
Reinberg, Peter, 51 Wabash Ave., Chicago.
Rising-Dunscomb Co., Inc., 205 No. Broadway, Los Angeles, Cal.
Scheiden & Schoos, 60 Wabash Ave., Chicago.
Sinner Bros., 60 Wabash Ave., Chicago.
Weiland & Risch, 59 Wabash Ave., Chicago.
Wietor Bros., 51 Wabash Ave., Chicago.
Wilcox, J. F., Council Bluffs, Iowa.
Wittbold, Geo. Co., 1657 Buckingham Place, Chicago.

RETAIL CUT FLOWERS.

Alpha Floral Co., Kansas City, Mo.
Atlanta Floral Co., 41 Peachtree St., Atlanta, Ga.
Bertermann Bros. Co., 241 Massachusetts Ave., Indianapolis, Ind.
Blackistone, 14th and H Sts., N. W., Washington, D. C.
Boland, J. B. Co., 47-49 Geary St., San Francisco.
Breitmeyer's Sons, John, cor. Miami and Gratiot Aves., Detroit, Mich.
Cooke, George H., Connecticut Ave. and L. St., Washington, D. C.
Daniels & Fisher, Denver Colo.
Donohoe, W. H., 2 W. 29th St., N. Y.
Eyres, H. G., 11 N. Pearl St., Albany, N. Y.
Galvin, Thos. F., 124 Tremont St., Boston.
Gude, A. & Bro., 1214 F St., Washington, D. C.
Hansen, Mrs. M. A., Galveston, Tex.
Hartung, George C., 365-367 East North Ave., Chicago.
Hauswirth, P. J., Audit. Annex, Chicago.
Hess & Swoboda, 1415 Farnum St., Omaha, Neb.
Holm & Olson, St. Paul, Minn.
Keller, J. B., Sons, 25 Clinton St., Rochester, N. Y.
Kellogg, Geo. M., 906 Grand Ave., Kansas City, Mo.; also Pleasant Hill, Mo.
Lange, A., 40 E. Madison St., Chicago.
Livingston Seed Co., Columbus, O.
Matthews, 16 W. 3rd St., Dayton, O.
Mayberry & Hoover, 1339 14th St., N. W., Washington, D. C.
Miller, Theo., 4832 Delmar Blvd., St. Louis, Mo.
Mills The Florist, 36 W. Forsythe St., Jacksonville, Fla.
Murray, Samuel, Coates House Con., 1017 Broadway, Kansas City, Mo.
Park Floral Co., The, Denver, Colo.
Palmer's, Buffalo, N. Y.
Schulz, J., 644 4th Ave., Louisville, Ky.
Virgin, Uriah J., 833 Canal St., New Orleans, La.
Weber, Fred C., 4320-28 Olive St., St. Louis, Mo.
Wilcox, J. F., Council Bluffs, Iowa.
Wilson, Robt. G., Fulton St. and Greene Ave., Brooklyn, N. Y.
Youngs, 1406 Olive St., St. Louis, Mo.

BOILERS.

Boilers, improved greenhouse boilers, made of best material; shell firebox sheets and heads of steel; water space all around (front, sides and back). Kroeschell Bros. Co., 45 Erie Street, Chicago.

Boilers, Gurney heaters, heat by steam or hot water. Gurney Heater Mfg. Co., 111 5th Ave., New York; 74 Franklin St., Boston.

Boilers, the Burnham boilers, made for greenhouse heating. Lord & Burnham Co., 1133 Broadway, New York.

Boilers, corrugated, fire box and sectional, greenhouse heating. Hitchings & Co., 1170 Broadway, New York.

Boilers, boilers of high grade for greenhouses. Steam and hot water. Giblin & Co., Utica, N. Y.

Boilers of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Boilers, water tube steam boilers. King Construction Co., N. Tonawanda, N. Y.

Boilers, write for prices. Johnston Heating Co., 1133 Broadway, N. Y.

Boilers, Myers & Co., 1122 Betz Bldg., Philadelphia.

BOXES.

Cut flower boxes, 3x4x20, $4 per 100; 3x5x24, $4.50; 3x7x21, $4.50; 6x6x24, $6.80; 4x12x24, $9; 6x12x24, $10.50; 6x12x30, $12.50; 5x12x36, $14; 6x12x36, $15; 6x15x42, $20; 6x15x48, $23. Getmore Box Factory, Inc., Belleville, Ala.

Cut Flower Boxes, water-proof, corner lock style. No charge for printing on orders above 250 boxes. Livingston Seed Co., Columbus, O.

Cut Flower Boxes; send for prices. Edwards Folding Box Co., Philadelphia, Pa.

BUILDING MATERIAL.

Building material, lumber for greenhouse benches. Ship lap, drop siding, sheeting, flooring, white cedar posts, etc. We are in special position to furnish "Pecky Cypress;" everything in pine and hemlock building lumber. Adam Schillo Lumber Co., cor. Weed and Hawthorn Sts., Chicago.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouses and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material, cypress sash bars, Tennessee red cedar posts, pecky cypress benches, hotbed sash and frames, ventilating apparatus, pine, fittings, and all supplies needed in new or reconstruction work. Foley Mfg. Co., 471 W. 22d St., Chicago.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 617 Sheffield Ave., Chicago.

Building material, cypress sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 111-125 Blackhawk St., Chicago.

Building material for U-Bar greenhouses. Pierson U-Bar Co., Metropolitan Bldg., 4th Ave. and 23d St., N. Y.

Building material of all descriptions, cold frames, hotbed sash, etc. Lord & Burnham Co., 1133 Broadway, N. Y.

Building material, cold frames, hotbed sash of every description. Hitchings & Co., 1170 Broadway, New York.

Greenhouse materials of all kinds for greenhouse heating. Johnston Heating Co., 1133 Broadway, New York.

Building material, yellow pine boards cut to exact lengths. L. L. Satler Lumber Co., Pittsburg, Pa.

Building material of all kinds. S. Jacobs & Sons, 1365-79 Flushing Ave., Brooklyn, N. Y.

Building Material of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

CONCRETE MACHINES.

Ideal Concrete Machines for concrete block construction. Ideal Concrete Machinery Co., Dept. Y., South Bend, Ind.

CUT FLOWER HOLDER.

The Anglais table decoration, made in sections, can be adjusted to any form desired. "Japana" flower holder, 4½-in., 50c; 3½-in., 35c; 2½, 25c. M. V. Garnsey, 131 So. Waiola Ave., La Grange, Ill.

FERTILIZERS.

Wizard Brand pulverized sheep manure. The Pulverized Manure Co., 32 Exchange Ave., Chicago.

GLASS.

Glass importers and jobbers; greenhouse glass a specialty. Window glass. James H. Rice, corner Michigan, St. Clair, and Illinois Sts., Chicago.

Glass, a lot of 16x18 A and B double strength at low price. A. Dietsch Co., 617 Sheffield Ave., Chicago.

If you do not find what you need in our Ready Reference Department, write us about it.

Glass, window glass. Greenhouse glass a specialty. H. M. Hooker Co., 59 W. Randolph St., Chicago.

Glass, French and American "White Rose" brand. Stenzel Glass Co., 2 Hudson St., New York.

Glass, all sizes. Metropolitan Material Co., 1398 Metroplitan Ave., Brooklyn, N. Y.

Glass, all kinds and sizes. Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.

GLAZING POINTS.

Glazing Points, see the point? Holds glass firmly. Peerless glazing points are the best. No rights or lefts. Box of 1,000 points, 75c, postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Siebert's zinc never rust glazing points, 2 sizes, ⅝ and ⅞, 40c per lb. 16c extra by mail; 7 lbs., $2.50; 15 lbs., $5 by express. Siebert Co., Baum and Beatty Sts., Pittsburg, Pa.

GOLD FISH.

Gold Fish, Comets, Japanese Fantails, Fringetails, Telescopes, etc. Fish globes and aquariums. The J. M. McCullough's Sons Co., 316 Walnut St., Cincinnati, O.

Goldfish aquaria and aquarium supplies. Fred. Kaempfer, 88 State St., Chicago.

GREENHOUSE CONSTRUCTION.

Greenhouse Construction, builders of greenhouses for private estates, institutions, parks, etc. Pierson U-Bar Co., Metropolitan Bldg., 4th Ave. and 23d St., New York.

Greenhouse Construction, sash bar greenhouses. New Truss construction and iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse Construction, builders of every type of greenhouses; the most modern designs. Hitchings & Co., 1170 Broadway, N. Y.

Greenhouse Construction, builders of modern greenhouses. Myers & Co., 1122 Betz Bldg., Philadelphia.

GUTTERS.

Gutters, Jennings' improved iron gutters. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

Gutters, Lord & Burnham Improved V-shape gutter, with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

Gutters, Garland's gutters will keep snow and ice off your glass. A sample of our gutters is on exhibition at Chicag Flower Growers' Market. Geo. M. Garland, Des Plaines, Ill.

Gutters, new duplex gutter, only drip-proof gutter on the market. E. Hippard, Youngstown, O.

INSECTICIDES.

Insecticides, tobacco paper, 24 sheets, 75c; 144, $3.50; 288, $6.50; 1,728, $35.10. Nico-Fume Liquid, ¼ pint, 50c; pint, $1.50; ½ gal., $2.50; gal., $10.50; 5 gal., $47.25. Kentucky Tobacco Product Co., Louisville, Ky.

Insecticides, Nikoteen Aphis Punk, 60c per box 12 sheets; $6.50 per case of 12 boxes. Nikoteen Liquid, $1.50 per pint; $13 per case of 10 pints. Nicotine Mfg. Co., St. Louis, Mo.

Wilson's Plant Oil, for scale and insects, ½ pt., $25c; pt., 40c; qt., 75c; ½ gal., $1.25; gal., $2; 5 gals., $9. Andrew Wilson, Summit, N. J.

Insecticides, Hasco liquid nicotine, pts., $1.35; half gal., $5.25; gal., $10. H. A. Stoothoff Co., 116 West St., New York.

Fumigating Supplies, vaporizing pans for tobacco extract, improved. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

Insecticide, Nicoticide, Bug Killer, the best bug killer and bloom saver. P. R. Palethorpe Co., Louisville, Ky.

Insecticides, Carman's Antipest insecticide and fungicide, $1.50 per gal. Perfection Chem. Co., Flushing, N. Y.

Fumigating supplies, tobacco stems, 300 lb. bales, $1.50. W. C. Beckert, 103 Federal St., Allegheny, Pa.

LAWN MOWERS.

Lawn Mower. The Clipper lawn mower, No. 1, 12-in., $5; No. 2, 15-in., $6; No. 3, 18-in., $7; No. 4, 20-in., $8. Draft, money order or reg. letter. Clipper Lawn Mower Co., Dixon, Ill.

METAL DESIGNS.

Metal signs, send for prices. A. Herrmann, 404-12 E. 34th St., New York.

MISCELLANEOUS.

Engravings, best engravings and illustrations of every description for catalogues. Send for estimates. Globe Eng. & Elec. Co., 427 Dearborn St., Chicago.

Printing, large runs of catalogues a specialty. Write for figures. Regan Printing House, 89-91 Plymouth Place, Chicago.

Florists' overdue accounts and bad debts collected by the National Florists' Board of Trade, 56 Pine St., N. Y.

M. & D. artificial calyxes, $1.75 per 100; $15 per 1,000. Maxfield & Dimond, Box 304, Warren, R. I.

PAINT, PUTTY, ETC.

Paint, Ideal Greenhouse Lead; Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, N. Y.

Paint, putty, etc. The Jas. H. Rice Co., cor. Michigan, St. Clair and Illinois streets, Chicago.

Paint, Putty, etc. H. M. Hooker Co., 59 W. Randolph St., Chicago.

PIPE, FITTINGS, ETC.

Pipe, iron fittings, etc., galvanized iron sash hinges, screw eyes, screw hooks, U bolts, galvanized iron buckles and wires. Fittings for purlin and ridge supports. Foley Mfg. Co., 471 W. 22d St., Chicago.

Iron Fittings, patent iron bench fittings and roof supports. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

Pipes, valves, fittings of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

A Bargain, 4-in. cast iron pipes, 5 foot lengths at 12c per foot. C. C. Pollworth Co., Milwaukee.

POTS, PANS, ETC.

Pots, standard flower, 1½-in., $2.77 per 1,000; 2-in., $3.33; 2½-in., $3.88; 3-in., $5.27; 3½-in., $6.10; 4-in., $7.77; 4½-in., $10; 5-in., $13.88; 6-in., $22.20; 7-in., $4 per 100; 8-in., $6; 9-in., $8.88; 10-in., $13.33; 12-in., $22.22; 14-in., $38.88; 16-in., $66.66; 20-in., $1.25 each. Azalea pots and bulb pans same price. 2x2½-in. rose pots, $3.88 per 1,000. A. F. Kohr, 1521 N. Leavitt St., Chicago.

Pots, standard, seed pans, cut flower cylinders, hanging baskets, lawn vases, etc. Hilfinger Bros. Pottery, Ft. Edward, N. Y.

Pots, standard flower pots. The Whildin Pottery Co., Philadelphia, Pa.; Jersey City, N. J.; Long Island City, N. Y.

Pots, before buying write for prices. Geo. Keller & Son, 361-63 Herndon St., near Wrightwood Ave., Chicago.

Pots, red standards, full size and wide bottoms. Detroit Flower Pot Mfy., 490 Howard St., Detroit, Mich.

Pots, garden vases, hanging baskets. Twin City Pottery Mfg. Co., 2406 Marshall St. N. E., Minneapolis, Minn.

Pots, red standard, azalea pots. The Keller Pottery Co., 213-223 Pearl St., Norristown, Pa.

Pots, pots of all kinds. A. H. Hews & Co., No. Cambridge, Mass.; Long Island City, N. Y.

Pot hangers, Kramer's $1 doz. by exp., $1.25 by mail. I. N. Kramer & Son, Cedar Rapids, Ia.

The Red Pot, C. C. Pollworth Co., all roads connect with Milwaukee.

Pots, red standard. Paducah Pottery Co., Paducah, Ky.

Pots, Syracuse, red, Syracuse Pottery Co., Syracuse, N. Y.

Pots, all sizes. Ionia Pottery Co., Ionia, Mich.

PRUNING SHEARS.

Pruning shears, Rhodes double cut. Rhodes Mfg. Co., Grand Rapids, Mich.

PUMPING ENGINES.

Pumping Engines, two streams of water for 1 hour cost 2 cents if you use a Standard pumping engine. The Standard Pump & Engine Co., Cleveland, O.

SEED CASES.

Seed cases, Heller's mice proof. W. C. Heller & Co., Montpelier, O.

STEAM TRAPS.

Steam Traps, the Standard return steam trap has no equal for its simplicity of working. E. Hippard, Youngstown, O.

SUPPLIES.

Supplies, terra cotta grass growing heads and animals, fish globes, fish tanks, aquaria, Bohemian glassware, imported china, French glass shades, all shapes, imported hyacinth glasses, tall and Tye's shape. Nicolas Wapler, 50 Barclay St., New York.

Supplies, milkweeds, wire designs, cut wire, all kinds of letters, immortelles, cycas leaves, sheaves of wheat, ribbons, corrugated boxes of all kinds. Henry M. Robinson & Co., 8-11 Province St., Boston, Mass.

Supplies, immortelle letters, 1½ and 2-in. letters, $2.75 per 100; 2½-in. letters, $3 per 100. W. C. Krick, 1164 Greene Ave., Brooklyn, N. Y.

Supplies, cape flowers, cycas leaves, metal designs and all florists' supplies. A. Herrmann, 404-12 E. 34th St., New York.

Supplies, importers and manufacturers of florists' supplies. L. Baumann & Co., 78 Wabash Ave., Chicago.

Supplies, importers and manufacturers of florists' supplies. Reed and Keller, 122 W. 25th St., New York.

Supplies, wire designs, etc. The Cleveland Cut Flower Co., 215 Huron road, Cleveland, O.

Supplies, wire designs. Pittsburg Florists' Ex., 228 Diamond St., Pittsburg, Pa.

100 samples, $1.10. Seaver Basket Co., Medford, Mass.

Supplies of all kinds. E. F. Winterson Co., 45 Wabash Ave., Chicago.

Supplies, flower baskets, novelties. Riessner Bros., Lichtenfels, Bavaria.

TOOTHPICKS.

Toothpicks, wired, $1.50 per 10,000; $6.25 per 50,000. W. J. Cowee, Mfr., Berlin, N. Y.

VENTILATING APPARATUS.

Ventilators, the Standard ventilating machinery, original machine with self-oiling cups, most powerful, least complicated, very compact. E. Hippard, Youngstown, O.

Ventilators, The Advance Ventilating Apparatus. Write for estimates and circulars. The Advance Co., Richmond, Ind.

Ventilators, Evans' Improved Challenge ventilating apparatus. Quaker City Machine Works, Richmond, Ind.

Ventilating Apparatus. Send for circulars. Diller, Caskey & Co., cor. 6th and Berk Sts., Philadelphia.

Ventilating apparatus for every type of greenhouse. Lord & Burnham Co., 1133 Broadway, New York.

Ventilators, hand ventilating, etc. The King Construction Co., N. Tonawanda, N. Y.

Ventilators, ventilating apparatus of all kinds. Hitchings & Co., 1170 Broadway, New York.

Ventilators, New Departure ventilating appliance. J. D. Carmody, Evansville, Ind.

If you do not find what you need in our Ready Reference Department, write us about it.

THE RED POT meets every requirement. No packing charges. Prices right.

We Don't Deny

that it is early to solicit this business:

But listen; it is much better for you to have the pots on hand than to take the risk of being unable to get your supply just when you **"must have them."**

Our Stock is Complete and Ready for Business.

You know the inconveniences and probable loss sustained when the time for potting your stock is delayed. When it comes to the worst if you wait until you think you **"must have them"** there may be others who also "have waited" and everybody **then** wants their pots **at once.**

Tell Us how many you want and we will make shipment any time you wish. **Order Now.**

LOW FREIGHT CHARGES.

WE EXPECT ORDERS NOW. IT'S ABOUT TIME.

All Roads Connect with Milwaukee. POLLWORTH MILWAUKEE LEADERS IN OUR LINES. ALL FLORISTS' SUPPLIES, GREENHOUSE REQUISITES.

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

Please mention the American Florist when writing.

THE AMERICAN FLORIST

Price List of Bound Volumes.

N. B.—The volumes commence in August.

Vol.	I.—1885–86	$5.00
"	II.—1886–87	5.00
"	III.—1887–88	3.00
"	IV.—1888–89	3.00
"	V.—1889–90	3.00
"	VI.—1890–91	3.00
"	VII.—1891–92	3.00
"	VIII.—1892–93	3.50
"	IX.—1893–94	3.50
"	X.—1894–95	3.50
"	XI.—1895–96	3.50
"	XII.—1896–97	3.50
"	XIII.—1897–98	3.50
"	XIV.—1898–99	3.50
"	XV.—1899–1900	3.50
Full Set		43.50
Twelve volumes, IV to XV inclusive		30.00
Any six of the last ten volumes		17 50
Later volumes, each		3 50

These volumes are all substantially bound in half leather, with gold lettering and marbled edges.

AMERICAN FLORIST COMPANY,
324 Dearborn Street, Chicago.

GREENHOUSE HEATING

Complete heating plants erected or materials furnished with working plans. Write for prices on **BOILERS.**

JOHNSTON HEATING COMPANY,
St. James Building, 1133 Broadway, NEW YORK.

SPLIT PINKS are never known by users of the M. & D. Artificial Calyx.

$ 1 75...per 100
15.00...per 1000
250 at 1000 rates.

Send for Sample. Maxfield & Dimond, Box 304. Warren, R. I. Patented.

L. BAUMANN & CO.,
Importers and Manufacturers of
Florists' Supplies
76-78 Wabash Ave., CHICAGO.
Write for our New Catalogue F. Our prices may interest you.
Please mention the American Florist when writing.

THE ART OF
Floral.....
Arrangement.
The first special newspaper in the world for floral arrangement.
250 ILLUSTRATIONS ANNUALLY.
Specimen number free.
Subscription, $2.40 yearly.
BINDEKUNST-VERLAG,
I. Olbertz. ERFURT, GERMANY.

For Best Results Advertisers should mail new advertisements and changes so as to reach us on Mondays.

The Best Way to Collect an Account
is to place it with the
NATIONAL FLORISTS' BOARD OF TRADE,
56 Pine St., New York.
Why? Because many debtors will pay the Board, fearing otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.

EVANS' IMPROVED CHALLENGE VENTILATING APPARATUS
WRITE FOR ILLUSTRATED CATALOGUE
QUAKER CITY MACHINE WORKS.
RICHMOND, IND.

Gold Fish Aquaria
and Aquarium Supplies.
Write for catalogue.
FRED KAEMPFER
88 State Street, CHICAGO, ILL.
Please mention the American Florist when writing.

Le Journal des Roses.
Organ of the French Rosarians.
Published at Paris. Once a month with colored plates.
Subscription $2.70 per Year. Sample Copies Free.
ADMINISTRATION DU SUISNES JOURNAL DES ROSES
a SUISNES, Brie
a Grisy-Suisnes. (Seine et M FRANCE.
Please mention the American Florist when writing.

If you are having delay in getting your roof material, send your orders TO US and don't be in trouble. We will handle any order in the time agreed. Try us.

FOLEY MANUFACTURING CO.,
471 West 22nd Street, : : CHICAGO

Now is the Time

to Subscribe to the

Horticultural Trade Journal

Published weekly. The Largest Brightest, and Best British Trade Publication. Also

THE INTERNATIONAL EDITION

Published quarterly. Annual subscription for weekly and quarterly numbers, One dollar, (International money order). Subscribe to-day and keep in touch with European markets and topics.

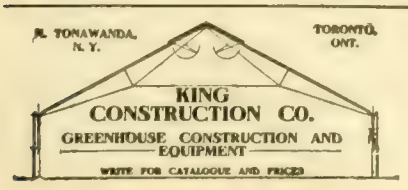
THE HORTICULTURAL PRINTING COMPANY,
BURNLEY, ENGLAND.

GET OUR PRICES ON
Galvanized Wire Rose Stakes and Tying Wire.

IGOE BROTHERS,

Manufacturers of the **Model Plant Supports** for Carnations, Dahlias, Golden Glow, Chrysanthemums and Tomatoes.

63-71 Metropolitan Ave., BROOKLYN, N. Y.



FLORISTS, SEEDSMEN, NURSERYMEN

Yellow Pine Boards

RESAWED AND CUT TO EXACT LENGTHS FOR YOU
IS OUR SPECIALTY.

Our Prices and Material Will Please You. Furnished Delivered.
Prices on Inquiry.

L. L. SATLER LUMBER CO., Pittsburg, Pa.

Mills and Branch Office: Blackstone, Va.

Please mention the American Florist when writing

THE LOW PRICE HEATING PLANTS

The Chicago House Wrecking Co. is in position to offer you an interesting proposition for furnishing you with a heating plant at a saving of at least 30%. Send us a sketch of your houses with preferred location of the boiler, the points of compass and the desired night temperature for zero weather, and we will gladly submit you an exact detail quotation of all material required to install the plant. We have ***heaters*** and ***boilers*** of every kind, both new and rebuilt. We have always on hand a large number of rebuilt boilers suitable for greenhouse heating. Our stock embraces ***fire box boilers, horizontal tubular boilers, Kroeschell boilers, cast iron sectional boilers, Erie City economizers*** and other types.

We can save you considerable money on ***pipe, valves*** and ***fittings;*** also on ***doors, glass, sash*** and everything needed in the construction of your buildings.

Ask for our Special Catalogue No. 47.

CHICAGO HOUSE WRECKING CO.,
35th and Iron Streets, CHICAGO.

Please mention the American Florist when writing

Use our patent Iron Bench Fittings and Roof Supports.

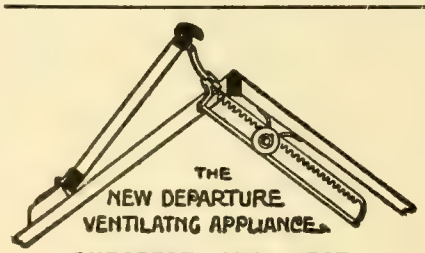
THE JENNINGS IMPROVED IRON GUTTER.

IMPROVED VAPORIZING PANS
For Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY & CO. SUCCESSORS TO JENNINGS BROTHERS,
S. W. Cor. Sixth and Berk Sts., PHILADELPHIA.

VENTILATING APPARATUS.

Please mention the American Florist when writing



CHEAPEST AND BEST.

If you doubt it try them and be convinced. Send for descriptive price circular.

J. D. Carmody, Evansville Ind.

CUT FLOWER BOXES

WATERPROOF Corner Lock Style.

The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always.

Size No.		Per 100	Per 1000
0.	3x 4x20	$2.00	$19.00
1.	3x 4½x16	1.90	17.50
2.	3x 6x18	2.00	19.00
3.	4x 8x18	2.50	23.00
4.	3x 5x24	2.75	26.00
5.	4x 8x22	3.00	28.50
6.	4x 8x28	3.75	36.00
7.	6x16x20	5.50	54.00
8.	3x 7x21	3.00	28.50
9.	5x10x35	6.50	62.00
10.	7x20x20	9.50	67.50
11.	3½x5x30	3.00	28.50

Sample free on application. No charge for printing on orders above 250 boxes. Terms cash.

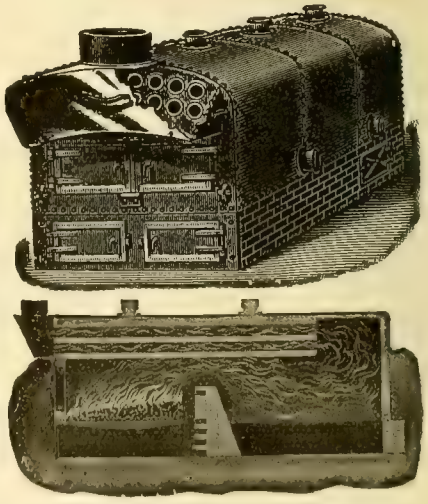
THE LIVINGSTON SEED COMPANY,
Box 104, COLUMBUS, OHIO.

KROESCHELL BROS. CO.

IMPROVED

Greenhouse Boiler

45 Erie Street, CHICAGO.



Boilers made of Steel Boiler Plate: shell, firebox sheets and heads of steel; water space all around front, sides and back. Write for information.

Please mention the American Florist when writing.

THE AMERICAN FLORIST

America is "the Prow of the Vessel; there may be more comfort Amidships, but we are the first to touch Unknown Seas."

Vol. XXVII. CHICAGO AND NEW YORK, JANUARY 19, 1907. No. 972

THE AMERICAN FLORIST

TWENTY-SECOND YEAR,

Copyright 1907, by American Florist Company. Entered as Second-Class Mail Matter.

PUBLISHED EVERY SATURDAY BY

AMERICAN FLORIST COMPANY,

324 Dearborn St., Chicago.

Eastern Office: 1133 Broadway, New York.

Subscription, $1.00 a year. To Europe, $2.00. Subscriptions accepted only from the trade. Volumes half yearly from August 1901.

SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS.

OFFICERS—WM. J. STEWART, Boston, Mass., president; JOHN WESTCOTT, Philadelphia, Pa., vice-president; P. J. HAUSWIRTH, Auditorium Annex, Chicago, secretary; H. B. BEATTY, Pittsburg, Pa., treasurer. Twenty-third annual meeting at Philadelphia, Pa., August, 1907.

INTERNATIONAL EXHIBITION—A grand international exhibition will be held with the annual convention at Chicago, November, 1908.

CHRYSANTHEMUM SOCIETY OF AMERICA.

Annual convention and exhibition, November, 1907. ALFRED J. LOVELESS, Lenox, Mass., president; DAVID FRASER, Penn and Homewood Ave., Pittsburg, Pa., secretary.

AMERICAN ROSE SOCIETY.

Annual meeting and exhibition at Washington, D. C., March 13-15, 1907. ROBT. SIMPSON, Clifton, N. J., president; BENJAMIN HAMMOND, Fishkill-on-Hudson, N. Y., secretary.

THE AMERICAN CARNATION SOCIETY.

Annual convention and exhibition at Toronto, Canada, January 23-24, 1907. JOHN H. DUNLOP, Toronto, Canada, president; ALBERT M. HERR, Lancaster, Pa., secretary.

THE AMERICAN ASSOCIATION OF PARK SUPERINTENDENTS.

Annual convention at Toronto, Ont., 1907. BYRON D. WORTHEN, Manchester, N. H., president; F. L. MULFORD, Harrisburg, Pa., secretary.

AMERICAN PEONY SOCIETY.

Third annual meeting and exhibition at Ithaca, N. Y., 1907. C. W. WARD, Queens, N. Y., president; A. H. FEWKES, Newton Highlands, Mass., secretary.

Carnation Number Will Be Issued Next Week. Send Your Adv. Now.

SUGGESTIONS FOR FLORISTS.

Verbenas.

The cooler these are grown the stockier the plants will be. Sow your first batch now, using the very best seed. Transplant the seedlings into flats where they can stay until after Easter. Make a second sowing March 1 and another about April 1.

Nierembergias

These are not often seen at commercial places, but where window box and vase plants are required they are of great value. They are of the easiest culture. A good way is to grow them from cuttings taken from fall lifted stock plants, but you can also sow seed now which will produce good plants by spring. There are a blue and a white variety, both beautiful.

Dusty Miller.

Centaurea gymnocarpa makes, if sown now, splendid plants for vases next spring. Its silvery fern-like foliage looks well with that of other plants and for this purpose three and one-half inch stock is best. For edging beds planted with geraniums and other low growing kinds, two and one-half inch stock grown from seed sown at the middle of February is all right. Grow the plants in a low temperature, and they will be the better for it.

Grevillea Robusta.

This plant, known also as the silk oak, may be mistaken for a robust or large growing oak by those who are not acquainted with it, if they judge it by its popular name. It is a most ornamental foliage plant, with finely cut leaves, and is highly prized as a vase plant. The plants for that purpose should be grown in 4 or 4½-inch pots and be about 18 inches high. It takes about 15 months to do this, and seed sown the end of this month will make plants for the spring of 1908.

Abutilon Savitzii.

The present is a good time to propagate this valuable bedding plant. The young growth will root easily in 30 days, but the hard wood will take 10 to 12 weeks. This species, with its variegated foliage, is an excellent edging plant for a bed of bronze leaved cannas, and can also be made use of in any subtropical planting. If you have no stock, buy plants out of 2½-inch pots and lift a few next fall, which if potted up and pruned back a little will produce cuttings for next year.

Bellis Perennis.

If you use the English daisies for bedding, sow the seed now. There isn't a great deal of money in them, yet there are always customers who ask for them. I saw a narrow border of them, about 300 feet long, at the Paris exposition grounds in 1889. The center was planted with a blood red variety and the edge with a white one, which was a beautiful sight, and I have been trying ever since to get a good strain of a real red, without success. There are red varieties offered, but they usually turn out pink when in bloom.

Crimson Fountain Grass.

This is another fine pennisetum that should be more extensively grown. It attains a height of from five to six feet and has deep bronzy-red foliage fully one and a half inches in width. It is a great addition to the list of ornamental grasses; just the thing to give color to a bed of Arundo Donax or Eulalia Japonica, or to be planted out in clumps near the edge of a shrub border. I have noticed that seed is now advertised and that stock for spring planting may be purchased at about $8 per 100. The botanical name of this plant is Pennisetum macrophyllum atro-sanguineum.

A Good Dwarf Salvia.

There are several dwarf salvias now offered, one of the best of them being Lord Fauntleroy. This variety was introduced in 1904 by J. M. Thorburn & Co., and is certainly a gem. Sow the seeds now; they will make nice plants, six inches high, by May, in 3½-inch pots, and each plant will carry a heavy spike of brilliant crimson flowers, set well above the foliage. You will have no

trouble in selling them. If you bed them out allow two feet between the plants. They will then make fine specimens 20 inches in height, and will bloom all summer. If you plant them more closely they are apt, especially in light soil, to grow two or three feet in height. Lift a few of the best plants next fall to provide cuttings in spring.

Pennisetum Longistylum.

Don't neglect to sow seed of this beautiful grass, as it is an ideal edging plant for a bed of cannas. The plants are often bedded out too closely, this resulting in a tall weak growth, and in August and September, when they are full of plumes, a heavy wind will lay them flat on the ground, the appearance of the whole bed being ruined for the rest of the season. Sow at once and the seedlings will be ready for transplanting in about five weeks. Take two or three of them at a time and plant two inches apart in flats. They can stay here until the first week in April; then pot them into 3's and when you plant them out allow 15 inches between the plants. If the beds they go in are large keep them one foot away from the edge.

Salvia Splendens.

If you have no stock to propagate from and want strong blooming plants in 4-inch pots by May, sow the seed now. We have grown the variety Drooping Spikes for several years, saving our own seed in the fall. Salvias can be used in so many ways for bedding, and are, in general, so satisfactory that enormous quantities are sold each spring and the average florist should grow more of them. The greatest enemy salvias have is red spider, which is sure to attack plants kept in small pots in a dry atmosphere. Keep your seedlings in flats in a temperature of 58° until the middle or end of March, then pot into 3's, and give them their final shift into 4's about April 15. After potting, a temperature of 50° is high enough. Don't crowd in the benches. Syringe daily and give the plants a sunny spot. They require a rather rich soil when in pots, but not when bedded out. Watering must be attended to during hot weather if good results are expected.

Storing Canna Roots.

When I reminded you in my last notes about spraying canna roots, if they were kept in a dry place under a bench, I meant to say that it is just as bad to keep them too dry as it is for them to be stored in a place where there is a constant drip from the benches. Canna roots are entirely different from gladioli or dahlias. While you can keep the latter practically dust dry over winter, cannas ought to be taken up in the fall with a good clump of soil, to keep the dormant eyes plump and alive during the winter months. A great many roots are lost each year because they have been brought to the greenhouse in the fall without a particle of soil and have been thrown under a bench, where the eyes become shriveled long before spring, and varieties of the Crozy type are, of course, far more likely to suffer than the old green Robusta.

If the roots are dust dry now, give them a light spraying (not a soaking), say twice a week. This will benefit them a great deal, and they will be in better shape when you begin to start them for the coming season; the eyes will be plump and ready to go ahead. I had intended saying a few words about the starting of cannas, and outline a course which we have found very satisfactory, but there is still plenty of time, and other things are more in need of attention.

Varieties of Canna.

Out of 10,000 cannas which we grow annually, 5,000 are Egandales. It is still, without a doubt, one of our best bedding cannas. Its brilliant, currant-red flowers form a beautiful combination with the bronze foliage. It is one of the freest bloomers and always looks clean. This is not an American variety, but was sent by Mr. Crozy, of France, to J. C. Vaughan, of Chicago, in 1890, with a number of other seedlings, all of which were under numbers and sent for trial. Mr. Vaughan sent one set to W. C. Egan, the noted amateur, to try at his beautiful grounds. In his report that fall, Mr. Egan stated that one seedling in particular was far ahead of all the others in habit, color and blooming qualities, and he considered it a decided improvement on the standard varieties grown at that time. The following year this variety was sent out under the name of Egandale. I may mention here that Mr. Egan's garden has served as a trial ground for a good many novelties in plants, many of which have never been sent out, as they proved disappointing. Of the older cannas, Duke of Marlborough is still one of the best crimsons, Florence Vaughan is yet in the ring as a yellow with red spots, Chicago is a good red, with grand foliage, and Queen Charlotte is extensively grown as a red with a yellow border. Of the newer varieties, President McKinley has proved a grand crimson, Express is a fine dwarf scarlet, Black Beauty has beautiful rich bronzy-purple foliage, but rather small flowers. Niagara is a fine dwarf crimson and rich yellow and Buttercup is the finest of all the yellows.

WITH THE GROWERS

F. R. Pierson Co., Tarrytown, N. Y.

Tarrytown, situated on the superbly picturesque Hudson, some 25 miles from New York, has long been a place where American horticulturists, especially they who devote their energies to that branch called floriculture, may tarry long in thought or person, with profit to themselves, the profession and the general good cause of making life more beautiful. 'Tis a place, too, redundant with scenes and memories in American history and romance, immortalized by pen and deed, for it was here that a sad fate to Washington's army and aims was averted in the capture of Major Andre, and then again but a few yards from this spot is the "Sleepy Hollow" made famous by Washington Irving. The whole section in fact is pic-

CARNATION WINSOR.

turesquely historic and there is a wealth of reasons to make the place a most interesting tarrying town for lovers of the beautiful, the romantic and the ultra-practical alike. Here again, in close proximity and within a radius of a few miles are the palatial homes of some of the wealthiest people of the world; in fact, it can be asserted in all truth that in no other part of the world, in a like space, can such worldly wealth be found and it naturally follows that all that is best in horticulture surrounds it.

CARNATION WINSOR AT THE F. R. PIERSON CO,S, TARRYTOWN, N. Y.

Midst these surroundings, in the ranks, as it were, and yet commanding, is the world-wide known firm of F. R. Pierson Co. Many are the grand acquisitions to commercial floriculture that have been raised and sent broadcast by this establishment, each introduction adding luster to sponsor and locality. At Scarborough, the next station, a few miles higher up the lordly river, there is a most wonderful transformation occurring, for here among the foot-hills, on newly purchased land, coming right down to the railroad station, the firm is establishing what most assuredly is destined to be the most picturesque and beautifully located plant nursery in America. These grounds at present cover nearly 60 acres and many fine collections are to be seen there. The newly acquired grounds form part of an idealic landscape. High up, on the bluffs, are superb views of the Hudson with its guarding Catskill mountains stretching away on both sides many miles in the distance; and from the ravines or vales here can be caught the most enchanting views of an unparalleled panorama of nature's own work. Mr. Pierson intends to enrich this scenery by an extensive and select collection of the flora of all countries, grouped in ways that will not only command admiration but do much to encourage higher ideals in landscape work. Here too, there is being brought into existence, as it were, a veritable ocean of glass; monster crystal-like plant forums or palaces surpassing the dreams of past generations. In addition to the well known eight 300 foot rose houses, there has recently been built three plant houses over 300 feet in length and nearly 60 feet in width. To merely stand at the end of these almost bewilders one and conjures up memories of the days, even in our own time, when the entire commercial plant houses of the state could almost be put within one of these structures.

'Tis here, in one of these enormous plant houses, built on the U-bar design, that we, in company with a party of expert growers from many states found ourselves amazingly admiring one of the grandest sights we at least have seen for many years and positively the best individual flower growing picture we have ever seen. It was a house of blooms and buds of the new carnation Winsor. This particular house is 300 feet long, 50 feet wide, heated and ventilated by the latest improvements among which are numerous innovations. In it are ten seemingly endless beds or solid benches divided half way by a six foot passageway. In these beds are planted 15,000 Winsor, and on these plants—by a carefully counted bench—a fair average would place the number of visible buds and blooms on January 9 at 165,000. Some may look upon these figures with incredulity but they are there to be seen nevertheless. Is there anywhere such another sight? And what is this carnation? Let us first consider it from a cultural standpoint; yet first let us say it is one of the divinest of the Divine Flower. In its history we find that it is a seedling raised from the pollen of the varieties Daybreak and Albertina on that of Lawson, resulting in an entirely distinct and far superior creation, yet withal, retaining, in its excessive superiority, all that is best in its parents. If there is any predominant element in its bearing it is that which distinguishes Lawson. Its robustly healthy and profuse foliage is, if anything, a shade lighter than that of the above mentioned variety. Its flowers are borne proudly on stiff, sturdy, upright stems, on an average from 14 to 24 inches in length, long enough for all and every purpose for which carnations are used. There is none of that costly brittleness about the stem that characterizes some other varieties. In all of these thousands of developed and prospective flowers not a single bursted calyx was discernible, nor have we heard of any among the thousands that have gone before. In size it is the equal of Lawson or the great majority of varieties known to commerce. In productiveness it has no equal. Among its ample foliage there is not the slightest sign of weakness or of the ills peculiar to many kinds. It is in every way the commercial carnation par-excellence of today and of the future and when we say commercial carnation we mean to give it the full significance

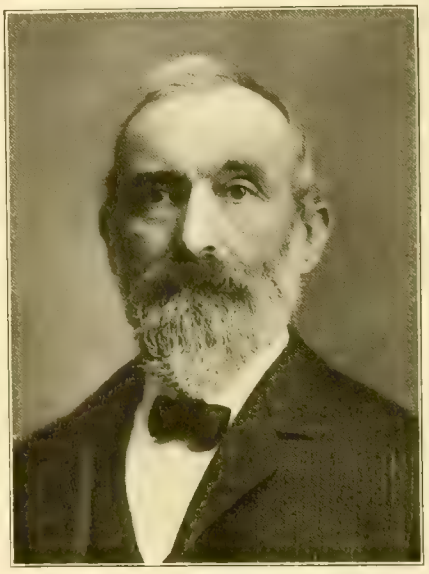
CARNATION WINSOR AT THE F. R. PIERSON CO'S, TARRYTOWN, N. Y.

of that appelation which is warranted by its past and present actualities and its vividly apparent prospects. Here, as if to prove in a practical way its longevity and endless productiveness, are three benches of Winsor planted two years ago. They have never been disturbed, merely receiving the ordinary culture necessary to stock plants. Today they are a mass of healthy foliage, blooms and buds, vying in a way with their progeny's grandeur, a revelative sight.

Twelve thousand plants were put out in these solid beds from 2½-inch pots last June. Large shipments of flowers were gathered in early October. In November 10,000 blooms were picked. In December 20,000 flowers were shipped from them to the most critical of all markets and the fairest calculation is that they will produce 30,000 select flowers in January. The yield at present for these 12,000 plants averages 1,000 fine blooms a day with an endless chain of them in sight, and so by this it will be seen that this wonderful carnation answers the call magnificently during the time flowers are most profitably wanted. It is in no way or sense one of those spasmodic or uncertain varieties called croppers. It is a continuous and dependable bloomer and in this particular it is at once the poor man's friend and the rich man's pride. "Pick and come again tomorrow" is a consistent and applicable motto for this grand flowering plant. To illustrate how highly it is valued in the New York Cut Flower Market would require much space; sufficient to state that it brought $20 per 100 wholesale at Christmas and now averages from eight to 12 cents. Some time ago, in our "Retailers" notes, which particular item was reprinted in European horticultural papers, we stated that the day would come when American growers would supply Europe in winter with American grown carnations. We had in our mind's eye at that time, such a carnation as Winsor, which for its lasting qualities is unusually marked and establishes its claim to being one of the most durable and best of all shippers, a vital consideration in the market at least.

In our depiction of Winsor as growing in the so-called solid bench it must not be inferred that we either argue in favor of this system, or that this variety is particularly susceptible to its advantages, for in one of the other large houses mentioned it is shown grown on elevated benches and under various treatments, on and through all of which it recommends itself to the most critical. For instance, the plants on one elevated bench were from 2¼-inch pots planted here August 1. Flowers were gathered from these in October and there is a fine crop on them now. This particular bench is the wonder and admiration of all visitors. There are many hundreds of new beginners and long struggling flower growers in this country who cannot afford to either invest sparse capital or devote their days and nights in doubtful experiments in highly colored and floridly lauded novelties. Winsor especially appeals to those who need a surety. The conditions attendant on the present era demand to be met with a large amount of resolute certainty. No one, not even the wealthiest, can afford to deal with or look complacently on failures or a too long deferred success. Immediate and lasting results are every business man's ambition and it is a certainty that Winsor will be a boon to all who grow it; more especially will its great qualities recommend it to the small grower with a local trade, the private gardener who must provide flowers at all times, and to they who supply the needs of an avaricious market. Whilst it establishes a new standard in the pink color, one which will often be referred to, and equals in size and quality the best exhibition varieties, yet unlike some pet carnations it does not depend for future existence or popularity on the temporary and fast fleeting praise of victories on the exhibition table. From present appearances it will long remain an ideal money-making carnation. Its color is solid pink, almost true pink, darker than Scott, much lighter than Lawson. The retailer values it highly because its color renders it adaptable to all uses. It is fine under artificial light, inspiring in daylight, lending its beauty to conform with the laws of harmony when in juxtaposition with most other flowers. We recommend it because it is more than good—it is magnificent.

J. IVERA DONLAN.



John E Haines.

John E. Haines, Bethlehem, Pa.

A very interesting collection of carnations were seen at this place. John E. Haines, who began this business but 12 years ago, has, he, tells us, all his lifetime been a great lover of flowers. He has taken a great fancy to raising seedlings of his own and has a very fine collection. Twelve years ago he put up a small greenhouse to raise lettuce, radishes, etc, more for pastime than for profit. In a few years he began experimenting on carnations and finally devoted all his time to raising new varieties, finding the work so interesting and having such fine success in that line. The variety John E. Haines is looking grand, full of buds from one end to the other. Wm. Mangan, the foreman, tells us that they look just that way from the time they begin to bloom until thrown out in July. He says they make three blooms to one of any other red he has yet seen. In color it is a very fine scarlet. Though it was disseminated in 1906, orders are coming in nicely this year.

The benches of Imperial and Pink Imperial show that they are most vigorous growers. The stems soar high above anything else grown in the houses. The colors are popular, both in this vicinity and in New York at A. J. Guttman's, where they found a ready sale at Christmas. Mr. Haines was not able to supply one-third of the demand. Each year he uses more plants for flowering purposes and each year the demand is greater. Among his coming varieties is a fine Daybreak pink, a shade deeper than Enchantress, somewhat like La France rose, beautifully formed with a fine calyx, one flower measuring three and three-quarter inches across with a long stiff stem; it is a very thrifty grower. A pink, marked No. 6, Mr. Haines tells us, is the greatest producer of blooms he has ever grown or heard of, beginning very early and continuing the whole year round. It is also good for field-blooming. Star of Bethlehem, a pure yellow of a pleasing shade, is a very free bloomer and has a good stem. There are other very promising pink, white, red and variegated seedlings coming on.

On the place can be seen growing: Enchantress, My Maryland, Jessica, Perfection, and Pocahontas. Wm. Mangan has worked among flowers since he was a boy of ten years of age. The last six years previous to entering the employ of Mr. Haines, he was in the employ of John Wanamaker. Mr. Haines is also assisted by his daughter, Mrs. Geo. Haines Weber, who takes great interest in the business, and aids her father by keeping the books and attending to the correspondence.

In the summer of 1906 were erected the three greenhouses shown herewith. They are filled with the new varieties, John E. Haines, Imperial and Pink Imperial. The productiveness and vigorous growth of these varieties can be seen, though the photos were taken on December 28, after Christmas, when blooms were closely cut to supply the great demand.

Jensen & Dekema, Chicago.

Well out of the city, in a good clear light, Jensen & Dekema have a most compact and up-to-date plant, the houses being remarkable for light construction and especially suitable for the production of sturdy, healthy stock.

By some unaccountable means we generally gravitate to the propagating house and on a recent visit this was the first house visited. Those who had ordered stock early from this firm are lucky, for as Mr. Jensen pointed out, the earliest plants go to those who send their orders early and some grand plants they certainly are. There is one early batch of novelties such as Winsor, Aristocrat and others, about 5,000 plants, all potted and well established. On another bench we noted an extra fine and level lot of that fine carnation Victory.

The even condition of the plants is remarkable, every one being rooted and each one almost an exact counterpart of the other. Mr. Jensen has a very high

JOHN E. HAINES' NEW CARNATIONS.

Imperial. Pink Imperial.

opinion of Victory and he would appear to be not alone in this, for he says the demand for cuttings at a very early date was quite phenomenal this year.

Aristocrat, too, he has great faith in, and, as is well known, his acquaintance with this fine variety right from its inception gives him the right to speak plainly about it. He has gone into its culture very largely. Quite a long bench of rooted cuttings has already been cleared, and the second lot is just about ready and of the ordinary standard varieties as of the novelties, the stock is even and all sturdy and full of life.

Turning to the benches where the plants are grown for cutting Victory again shines. Although many of the plants had to be cut back for propagating, there are enough to show the characteristic habit and free flowering nature of this superb variety. Not the least of its good points is the fact of its flowers opening quickly. "There it is when you want it," says Mr. Jensen, and this, as is well known, is not the case with all kinds.

Enchantress is in great form, the plants showing their liking for the somewhat heavy soil in which they are grown by the stiff, hard looking shoots. As the majority of the flowers are cut on the close side for shipping to such distant points as New Mexico and Texas, the display of open flowers was not great, but the buds were there, fine, healthy looking fellows standing well up as they always do on vigorous plants. About 12,000 of this standard kind are grown and 10,000 Boston Market, but the latter will be somewhat less grown next year in favor of Lady Bountiful, which is to be cultivated more largely.

One is loth to part with old favorites, but in all probability Lawson will have, in some measure at least, to give way to Aristocrat. Yet to look at the 9,000 fine plants of it grown here it looks as though it was good for a long time yet. Still Aristocrat is a finer flower, a taking color and a most continuous bloomer. It ships well and its keeping qualities are of the best, so what can prevent it making good? Mrs. Patten appeared to be the principal variegated sort grown, about 3,000 of it being benched. Pink Patten was also noted in quantity, as was Beacon and a fine pink seedling raised by Wm. Rudd; No. 181. This was flowering freely in company with other more or less novel kinds.

Jensen & Dekema make a specialty of shipping cuttings and rooted cuttings to the trade, and if healthy parent plants go for anything then the stock sent from here will give satisfaction. There is a great difference between a highly fed, bloated plant and a hard, sturdy one, especially for propagating from and the plants here are in the latter category. The demand for plants and cuttings began here much earlier than usual this season, the orders coming in quite early in December, according to Mr. Jensen. His partner, Mr. Dekema, we were sorry to learn, has had to leave for California for an indefinite time on account of lung trouble. As noted above the plant here is very compact. The principal range consists of four houses, each 27x266 feet, and one 30x266 feet. Besides these there are several smaller houses and convenient packing shed, boiler room, etc. Jensen & Dekema are carnation specialists and devote the whole of their time and plant to the culture of this popular flower.

Patrick Maier Allegheny, Pa.

Pittsburg has many carnation and rose specialists but when it comes to bulbs the first honors are due to Patrick Maier of Millvale. Born near Wurtemburg, Germany, he early learned the growing part of the florist business there. Coming to this country he took employment with John Bader and later with Fred Burki. Four years ago he secured the greenhouses which up to that time had been run by Chas. Koenig, the place consisting of 23 houses, mostly 33x165 feet. At first bedding plants, ferns and palms occupied many of the houses, but later these were mostly discarded for cut flowers which he grows for the wholesale trade only. During the summer months there is always a fine cut of Kaiserin roses, which is followed by Harrisii lilies. His success with these is very pronounced, the blooms always being the best.

Chrysanthemums are given much attention also, all the medium sized commercial varieties being grown. With Paper White narcissi and Roman hyacinths Mr. Maier is always in early and the cut through the season is heavy. More space is devoted to tulips than to anything else. Only the very best bulbs are secured, and the flowers are always noted for their excellence, all the principal varieties being grown. Last fall 250,000 bulbs were imported. Daffodills are also extensively grown with much success. Considering that the place is hemmed in with houses and within the smoky district, surprise is often expressed that flowers of such quality could be grown.

Twenty Years Ago.

Hand painted buckets were fashionable for bouquets and German favors.

The beautiful Comet asters were being sent out as novelties.

Buttercup was one of the most popular carnations.

A floral trowel was one design at a bricklayers funeral; it was composed of white roses, carnations, narcissus and lily of the valley.

Lapageria alba and L. rosea were recommended as good plants to grow.

Nearly $7,000 were offered in prizes at the annual show of the Massachusetts Horticultural Society.

A dinner was tendered to W. Atlee Burpee by a few of his New York friends at Delmonico s.

Violet Victoria was giving great satisfaction to Illinois growers.

That very elegant bronze chrysanthemum Source d' Or was much grown for cutting.

Great annoyance was experienced at Christmas and New Year's from growers holding back stock that was fit for market, in order to obtain holiday prices for it.

The seed firm of J. M. McCullough's Sons of Cincinnati, lost 100,000 bushels of blue grass seed in a fire, the total loss at which was figured as $10,000.

A fine spike of Lilium candidum was recorded and photographed, bearing 22 open flowers and 13 buds, a remarkable development for candidum.

The Moccasin flower Cypripedium spectabile, and Trillium grandiflorum were recommended as suitable wild plants to grow for flowering at Easter.

Seventy-five ladies and gentlemen visited E. D. Sturtevant at Bordentown, N. J., to see the Victoria regia in bloom.

La Triumphante, Phœbus and William Holmes were among the new chrysanthemums. These names conjure up old memories.

To Be Done Now.

IN THE GREENHOUSES.

Sow Thunbergia alata early to have good plants for filling baskets in May.

Tagetes signata pumila is one of the finest annuals for bedding. It should be included in the seed order but not sown too early.

Look over the stock of cannas and pot up any that are to be grown for decoration this way.

Carnations, and other plants peculiarly liable to fungoid diseases, should always be propagated in clean sand as a preventive at the beginning.

Get the late sweet peas planted out before they get hard or pot-bound.

Coleus cuttings struck now are useful during the bedding season and nothing is easier to grow. Seedlings are good if stock is short.

IN THE STORE.

Overcrowding, either of baskets or in the store window, is wasteful of good material and is not nearly as effective as a thinner arrangement, in which the true habit of flowers and plants is seen.

It should never be too much trouble to obtain anything of which you are out of stock for customers. Only this way can you retain them.

It is not wise to be always telling your customers what big prices you have obtained from some one else.

"I use this myself" is not always as good a recommendation as it appears at first. It has been known to have a bad effect.

Freak and unusual decorations of plants are all right as long as the novelty lasts, but there is nothing like first rate stock for a lasting trade.

Brighter days are due now at any time, so have everything clean in readiness for them. The sun is no respector of florists.

OUTDOORS.

Making roads and walks need not be delayed on account of frost. Do a little well, rather than attempt more than you have material enough to finish.

Keep sufficient bulbs in flats out of reach of severe frost for immediate requirements.

Repairs to any hotbed sash, or other lights not in use, done now keeps men employed and saves time and temper later on.

Trees or shrubs that arrive frozen should be thawed out in a shed only just above freezing point, not placed in heat.

A thick layer of strawy litter or manure on the cold side of greenhouse walls is a great saving of heat.

Retain the straw litter shaken out of the manure for mushroom beds. It will be needed for covering later and is much better than clean new straw.

CARNATIONS AT JOHN E. HAINES', BETHLEHEM, PA.

Wooton, the fine residence of Geo. W. Childs, was figured, with descriptive notes, in THE AMERICAN FLORIST.

Robert Craig was instructing readers how to grow chrysanthemums under glass in summer, in the fashion now almost universal.

Marechal Niel was one of the popular varieties of roses for cutting for design and floral work generally.

An itemized bill for a bouquet totaling $8.60 was sent in by a Portland, Ore., retailer.

A floral design, depicting a spider and fly on a web of white Florida moss, attracted considerable attention at the Cincinnati exposition.

A large consignment of hollies in pots, from Holland to a New York merchant, arrived too late for the Christmas trade, owing to bad weather.

Very elaborate table decorations were arranged by the principal florists.

The double white Phlox Drummondi, said to have originated in this country, was offered as a novelty by Benary of Erfurt.

The double scarlet zinnia had a brilliant future predicted for it in these papages which has been fulfilled in a double sense.

The Bride was advertised by J. N. May of Summit, N. J., as a new rose.

Natural gas was working very satisfactorily in Pittsburg greenhouses, night labor being "practically done away with."

Christmas sales in Chicago were above those of the preceding year, while the New Year's sales fell considerably below those of 12 months earlier, thus striking a similar average of holiday sales.

Keep the disbudding up to date on the rose benches. The plants have usually none too much vigor now and certainly none to waste.

After cutting heavily keep the adiantums a little on the dry side, a short rest resulting in more vigorous growth later.

Continue to keep the summer flowering cattleyas on the dry side. When the growth is getting well away on C. Gaskelliana water more freely and if necessary repot before new roots start.

Fine sand that runs together closely is better than coarse for forcing lily of the valley in.

As soon as marguerites are struck pinch the eye out if dwarf plants for selling in pots are needed.

NAHANT, MASS.—A greenhouse and potting shed are to be built on the estate of George Abbott James this spring, from plans by Alden & Parker of Boston.

CARNATIONS AT JOHN E. HAINES,' BETHLEHEM, PA.

Forcing and Retarding in England.

As an example of specialized culture begun in quite a small way, the nursery of T. Jannoch is remarkable in several directions. It was established ostensibly for the cultivation of lily of the valley, and the supply of roots, flowering plants and blooms for cutting. The material supplied to the public, and to members of the trade, commanded great approbation from the first, and the proprietor soon became favorably known as a cultivator and forcer of, and an authority of repute on, lily of the valley.

HOUSE OF LAWSON CARNATIONS AT W. W. COLES', KOKOMO, IND.

Up to that date, now nearly 30 years ago, its culture in nurseries and private gardens was but little understood or practiced, and the special production of flowering crowns by sorting out the one, two and three-year-old crowns (buds) was scarcely known or thought of as being essential by the cultivators of the home grown plants. At that period the late Mr. Herbst of Richmond, and Mr. Iceton, then of Barnes, were the better known dealers in lily of the valley; and these men were forcers of roots—not growers—in the ordinary sense of the term. The supply of clumps and crowns came from the continent. Mr. Jannoch was the first to show us how easy it is to cultivate the plant under suitable conditions in this country, and since that time others have followed in his footsteps; but owing chiefly to the dearness of labor, special cultivation of the plant has not made much progress, with the result that the continental cultivators furnish the major portion of crowns and clumps forced at the present day.

The two methods—retarding in a freezing chamber and etherization—are employed in the production of lily of the valley flowers during practically the whole year. Retarded lily of the valley can be had in bloom at any time during the autumn and summer months, and they will open their "bells" and develop fine foliage in the course of two or three weeks in a cold frame or a greenhouse, and even in a living room they will come to perfection. After October, however, more heat is required from week to week, otherwise success is less certain; and the flowers are weak and stunted, and being too long in opening, many of the flower buds become yellow and finally drop off. The plants require no bottom heat before October, and in no case afterwards should the bottom heat be more than 75°.

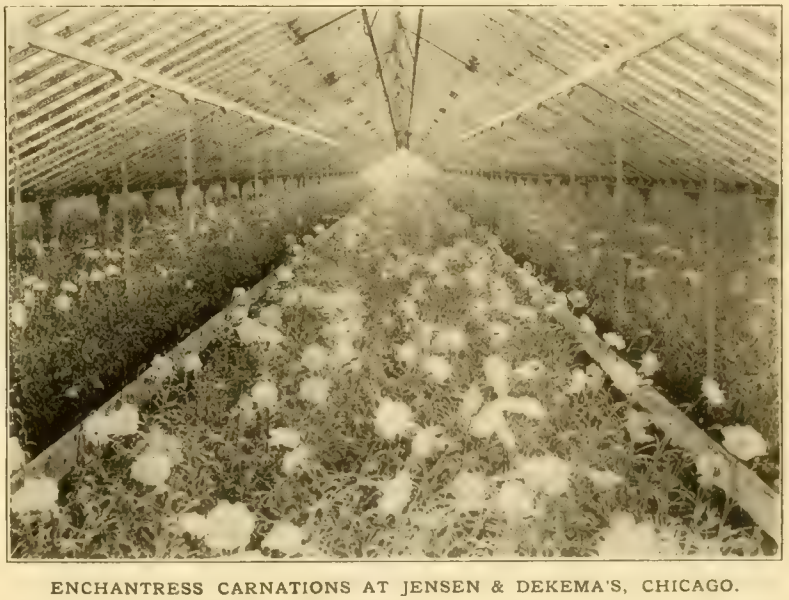
LILACS.

Of late years lily of the valley cultivation at Dersingham has given way to that of lilacs, of which M. Lemoine's fine varieties form the bulk of those grown. Of single flowered varieties there are about 50 of the best; and of double flowered about the same number of varieties. The mother plants are grown in the ground in lines by the sides of the walks, forming a magnificent display when in bloom. The whole of the saleable stock of these plants is grown as potted plants fit for forcing or for planting out.

The largest of these are in small tubs one foot and one and one-half feet in diameter, and in eight and 10-inch pots; the largest plants are furnished with from 25 to 35 shoots apiece, and strong, fat buds that are sure to throw four flower spikes on each shoot, giving a grand display when forced. All blind and weak shoots are carefully removed several times during the season of growth so that the strength of the plant is confined to the main shoots, hence the great size of the spikes and flowers, and the flowering shoots in general measure from one and a half to two feet in length, and are of great strength furnished with large, leathery leaves of a dark green tint, when the flowers are dark colored and of a lighter tint in white and pale colored varieties. It often occurs that triple terminal buds appear, and the center bud is removed by hand in July if nature has omitted to suppress it.

Many, and indeed most, of the older plants are worked on stems of seedling Syringa vulgaris, one and one-half to two feet in height. The second sizes of plants observed are standing in pots of eight to ten inches in diameter, and they are furnished with six to eight leads each, with one and one-half to two feet stems. It is of the greatest consequence that a lilac plant for forcing purposes should have the shoots well matured, and this can only be assured by full exposure to light and air, and with this intent the plants are plunged to three-quarters the depth of the pots, and are never top-dressed with either soil or manure, although during the season of growth manure water is occasionally afforded. They are stood at three feet apart in the lines, with two feet spaces between the lines, there being three lines in a bed; smaller plants on one foot to one and a quarter feet stems are placed at two feet and two and a half feet apart. These plants looked very promising for bloom, and were showing from five to seven shoots per plant. Their ages ranged from three to four years. In every case the plants, after having bloomed, have the last season's growth cut back to within three to four inches of the base.

With the exception of two beds of



ENCHANTRESS CARNATIONS AT JENSEN & DEKEMA'S, CHICAGO.

30 yards in length holding the largest plants, all the other portion of the stock stands on the soil, and thus secures perfect ripening, and there is complete control over the application of water, each plant getting what it needs, and that only. Continental cultivators invariably sink the pots deeply and mould them over, thus inducing roots to grow over the rim, which have to be removed on taking them out of the soil.

MINIATURE LILACS.

These beautiful objects for room decoration, for the dinner table, and general greenhouse display were noted in considerable numbers, growing in 5-inch pots, and reaching a height of only one and a half feet, possessing four, five and six shoots, each furnished with two or more flower buds. These plants are plunged in the soil up to the rim of the pot at nine inches apart.

There were several successions intended for flowering in succeeding years. The plants are never repotted. Miniature plants under ordinary conditions will keep in good bloom from three to five weeks.

Contrary to all practice, plants are taken from pots or the open ground, all the soil shaken from the roots, at once dipped into a thick mixture of cow manure and water, and potted forthwith. This is carried out in the month of July, and the plants are stood in the full sun without wilting or the loss of a leaf.

BUDDING OF STOCK.

This is an operation which is preferred by Mr. Jannoch, although at the start a year is lost as compared with the results obtained by grafting, but the ensuing growth is much stronger, as may be noticed in peaches, pears, etc., and at the first cutting back a strong break of shoots is secured, much more so than from grafted plants.

Budding is commenced in July and continued throughout August. The plants, according to the height at which the stocks are budded, form dwarf bushes, quarter, half and full standards and miniature plants.

REMARKS ON VARIETIES.

The best white lilac is considered to be Frau B. Dammann; it is single flowered, has very large spikes; Grand Duke Constantine has grayish blue flowers, and is one of the finest doubles; the color is that of the Marie Louise violet. Belonging to the same class are Madame Abel Chatenay, a very beautiful, white flower; Mad. Casimir Perier, a quite new variety, white, and excellent for forcing; Mad. Lemoine, white, a large spike; Michel Buchner, pale lilac, a dwarf growing plant; President Grevy, a very double, blue-tinted variety, with a long spike; President Carnot, large pale lilac spike, and free to flower; pyramidalis, large and dense spike of a fine mauve color; Alphonse Lavallee, with large spikes of blue shaded violet; and Charles Joly, a dark purple, one of the finest of the dark colored varieties. Those mentioned force well whether retarded or not, and are fine outdoor objects in the garden. Equally excellent in the same way are the following single-flowered varieties: Charles X., a strong grower, in several shades of lilac, and one of the best for forcing; Claude Lorraine, very large spikes of a deep lilac tint; Madame Francisque Morel; Marie Legraye, large white spikes, forcing well; Reaumur, carmine, flowers of satiny texture, spike very large; Rouge de Marly, reddish purple; Rouge de Trianon, very large spikes, the individual flowers large, and of a reddish blue color; Souvenir de Louis Spath, dark purple, flowers large, the finest of its color; Ville de Troyes, dark purple, a fine variety.

A few other items may be named of which good stocks were noted: Cyclamens, Begonia semperflorens in variety, Phyllocactus Deutsche Kaiserin, a beautiful variety having pink flowers freely produced, which last a long time in perfection; Malmaison carnations, asparagus in all the well known varieties and species; violets, both double and single flowered; hydrangeas in varieties, and numerous species of trees and shrubs for forcing, etc.

RETARDATION OF GROWTH BY COLD.

The action of continued cold upon plants is to keep in check, in actual suspension, the natural tendency of plants to grow at root and top in spring, and this suspension of the vital power may be prolonged from January to June, and probably for a much longer period. The application of the cold process is to a certain extent combined with a certain cost. By the cold process lily of the valley, lilac, various species of lilium, hydrangeas, Ghent and Mollis azaleas, Gueldres rose, prunus of species, Philadelphus hybridus Lemoinei, etc., may be kept till any period late in the year, and they will bloom just as well and as certainly as non-retarded plants; lily of the valley in about three weeks and lilacs in about the same time.

Etherization produces a change in plants that causes them to grow more quickly and open the flowers sooner when they are put into warmth. It is applied in autumn and winter to plants that have not had their usual length of rest. The inventor of the original process was Dr. Johannsen. Ether causes the sleep or repose to be far deeper, and according to the duration and density the more easy and rapid is their recovery. The effect of ether or chloroform vapor is supposed to be due to the drying up of the food juices in the stems and bases of the buds. Before a selected plant is put into the ether chamber, the soil, stems and foliage are thoroughly dried, so much as to be productive of a certain degree of withering. The ether is applied by being poured into a shallow vessel through a short length of pipe inserted in the center of the arched roof of the etherizing chamber, after the door has been hermetically closed; the fumes, being heavier than air, fall down among the plants standing on the floor. The ether is applied in most instances twice in 48 hours, a 12 hours' interval being afforded with the door open. Not all species of plants require two doses.—Gardeners' Chronicle, London, Eng.

Was Lincoln's Gardener.

Louis Klees of Kensington, Conn., celebrated his eighty-third birthday November 1. Gardeners are proverbially long lived but this one claims to have a grandfather alive in Germany 120 years of age. Louis Klees was born in Karlsruhe, where he learnt the rudiments of landscape gardening. After serving in the Prussian-Denmark war in 1849-50 he came to America, and by a recommendation from the German consul he obtained work in Central park, New York.

Various changes brought him at last to the position of landscape gardener to Abraham Lincoln at Springfield, Ill. He was the possessor of a reference written in Lincoln's own handwriting, but this he lost some years ago in a fire. In 1870 he was gardener at a school for girls at Farmington but left this and came to New Britain many years ago. He is now with his sons on their farm in Kensington, where he grows truck for this city. Although so advanced in years he writes a plain hand and does not need glasses.

CHRYSANTHEMUM IVORY AT PATRICK MAIER'S, ALLEGHENY, PA.

Mr. Maier and daughter in foreground.

ELMIRA, N. Y.—Louis Soldan, who opened a store here just before Christmas, found business unprofitable, so sold out and quit.

MARKET GARDENS.

Prices of Indoor Vegetables.

The prices of indoor vegetables at leading points January 12 were as follows: Chicago, cucumbers, Illinois fancy, $2 per two dozen; No. 1, $1.50 per dozen; No. 2, 75 cents to $1 per dozen; radishes, 15 cents to 50 cents per dozen bunches; mushrooms, No. 1, 50 cents per pound; No. 2, 25 cents per pound. Buffalo, cucumbers, $1 to $2 per dozen; mushrooms, 50 cents to 60 cents per pound. St. Louis, cucumbers, $1.75 to $2 per dozen. Cleveland, cucumbers, $16 to $17 per box; mushrooms, 50 cents to 60 cents per pound. Boston, cucumbers, $10 to $14 per box. Kansas City, cucumbers, $1.50 per dozen. Cincinnati, cucumbers, $2 to $2.50 per dozen; mushrooms, 40 cents to 50 cents per pound.

ESTABLISHMENT OF PATRICK MAIER, ALLEGHENY, PA.

Heating Tomato Houses.

ED. AMERICAN FLORIST:—

Please let me know how the following pipe will answer for four houses running north and south, each 23x100 feet, 11-foot ridge and 4-foot wall? One 3½-inch flow and six 1½-inch returns in three of the houses and two 2-inch flows and six 1½-inch returns for the other. There is a large saddle boiler and 100 feet of 4-inch main pipe. The returns are to enter a 4-inch return to boiler, which is guaranteed to carry 3,000 feet of 4-inch pipe. The houses are to be used principally for tomatoes, on the ground.

G. J. B.

The amount of pipe proposed would probably be sufficient in ordinary winter weather to keep up a temperature of 50° or thereabouts, but as you have plenty of boiler power an extra few runs of pipe would be an advantage in exceptionally cold weather. This at least will prevent the necessity of overheating the pipes, never advisable except for applying sulphur or in some exceptional circumstances.

G.

Soot As a Fertilizer.

ED. AMERICAN FLORIST:—

We have noticed several times in THE AMERICAN FLORIST that soot is a good fertilizer, and would like to get a little more information on the matter. Is it good for feeding carnations and roses? How much could be safely used on a bench of 100 square feet, and how often? Is it good alone, or with some other fertilizer and if the latter what should be used?

S. H. S. Co.

Soot is an excellent fertilizer for almost every class of plant and is especially useful for imparting tone and deep color to the foliage. Besides the manurial value it possesses soot is an excellent fungicide and may be used on the carnations and rose benches at the rate of one pound to two square yards, two or three times during the growing season. It may be used either alone or in connection with other fertilizers and is rich in ammonia but deficient in some other ingredients. A favorite and excellent way of using soot is to place a bag full in a large tub or tank of water and allow it to steep for a couple of weeks, stirring it round occasionally. Let it settle for a few days and then either syphon or dip off the upper or clear portion which will be quite dark in color. Dilute this to the color of pale beer for watering strong growing plants but for weaker rooters or for syringing roses or chrysanthemums overhead dilute it still more. Blood manure and soot is an excellent fertilizer for pot plants. Always keep soot for a few months before using it in a dry form, for if used directly from flues or chimneys it may burn the roots or leaves. The burnt-out matter from boiler flues sometimes called soot is absolutely useless as a fertilizer. G.

Woodlice in Mushroom Bed.

ED. AMERICAN FLORIST:—

I have a mushroom bed that is just beginning to bear and am bothered with woodlice eating small patches out of the buttons. Kindly advise a remedy and how to apply. G. J. S.

Lay pieces of old boards on the beds and examine them every morning. The insects will be found underneath the boards. The greatest care is necessary in mushroom houses to keep away all kinds of litter and anything that these insects can hide in. As the bed is in bearing you cannot disturb the sides of it and the insects are so fond of the mushrooms that they will eat nothing else. Still you may try poisoning them with Paris green and sugar or flour. Make this pretty strong and lay it in small heaps about the bed, especially around the edges. G.

IRONDEQUOIT, N. Y.—Edw. Brockmann, the well known carnation grower, reports business better with him than ever. He cut 1800 blooms for Christmas, and the plants are now producing heavily, the blooms being disposed of in Rochester at a fair price. He is building a new greenhouse, 20 x 100 feet, for bedding stock. Another house, 30 x 200 feet, will probably be added in the spring.

BULB HOUSES OF PATRICK MAIER, ALLEGHENY, PA.

The Coming Philadelphia Convention.

The Florists' Club of Philadelphia is taking hold of the convention problem with characteristic enthusiasm, and even at this early date steps are being taken that will insure the success of the great gathering that is expected next August. A finance committee was appointed at the last meeting of the club and this committee held its first meeting January 8 in the club room, at which time representatives of the various departments of the trade were present to the number of about 25.

Among them were prominent men from the growers, the wholesale cut flower trade, the dealers in florists' supplies, and the seedsmen. The meeting was called to order by President S. S. Pennock, of the local club, and at once proceeded to organize by electing Chas. D. Ball as chairman of the committee, and Edwin Lonsdale and J. W. Colflesh as secretary and treasurer respectively.

The city and surroundings are being divided into districts, and sub-committees will be appointed to canvass these various districts in order to provide the necessary cash to thoroughly and properly sustain Philadelphia's well-earned reputation for hospitality. An optimistic atmosphere was distinctly felt throughout the meeting; the discussions were free, and the spirit harmonious, the members being impressed with the idea that as the trade generally is in a flourishing condition there will be no difficulty in raising any required sum.

The meeting adjourned to meet January 15, at the same place, when the sub-committees will probably be assigned to their respective sections, and further detail work of the committee arranged.

T.

Society of Southern Florists,

At a very enthusiastic meeting of the New Orleans members who have the convention for 1907 in charge the dates of the first annual convention were fixed for February 14, 15 and 16, immediately after Mardi Gras, which annually attracts thousands from all over the country. First, pleasure, a whole week of it day and night; and then business. Could the New Orleans florists hold out better inducements to make the first convention a memorable success?

First Vice-President C. W. Eichling knows how to handle an undertaking of this kind. His first lieutenant, R. Lockerbie, appointed his committees and with such men as Steckler, Newsham, Papworth, Chopin, Laponyade, Menard, Paul and Otto Abele, and a number of other good ones, all workers with years' of experience in exhibition work, there should be no doubt of a grand meeting.

Florists all over the south and north should make up their minds now and arrange their business in time to attend the convention. Ample preparations will be made for accommodation if visitors will in time notify the committee on ways and means, of which Jos. Steckler is chairman. The whole programme and details will soon be ready and nothing will be left undone to make the visiting florists feel like coming again.

The trade exhibition will be very extensive, judging from applications for space already received. There will be florists' supplies of all descriptions, baskets, ribbons, greenhouse material and boilers, pots, plain and artistic, plants of all kinds for which the south has always been a valuable outlet. The subjects for discussion will be carefully selected and will be of vital interest to all southern florists. The flower loving public of New Orleans will take an active part in entertaining the visitors, and it is certain that this first convention will be the beginning of new life and concentrated activity in the florists' business.

Illinois State Florists' Association.

A committee of this association, consisting of J. F. Ammann, A. T. Hey, of Springfield, and Prof. A. C. Beal, of Urbana, was in attendance at the meeting of the Board of Agriculture on January 7 and 8, and succeeded with the assistance of Mr. O'Dwyer, superintendent of floriculture at the state fair, in getting an increase in the appropriation for premiums for floriculture at the state fair from $1,500 to $2,500. Each of the above named members of the committee made a few remarks before the board. Prof. Beal showed statistics on a chart giving an approximate estimate on the vast amount of glass area, etc., throughout the state used for the growing of flowers. Mr. Hey urged a more liberal amount in premiums and a general revision of the premium list. Mr. Ammann dwelt upon the necessity of a new building for exhibiting flowers and plants and practical assistance in managing this department. A great many members of this board seem favorably inclined to advance floriculture at the fair, and it is the opinion of this committee that with a little well organized work on their part, floriculturists can accomplish a great deal, but we must keep at it. The committee later met, with Mr. O'Dwyer, and drew up a skeleton premium list, from which Mr. O'Dwyer will have preliminary lists printed and sent out in the near future, giving all plenty of time to grow stock for the greatest state fair flower show ever held.

Newport Horticultural Society.

At a meeting of the Newport, R. I., Horticultural Society held January 8 work was begun in preparation for the exhibitions during the year. Last year and the year before there were only two large exhibitions held by the society, one each year, and these were held late in the autumn. This departure was mainly due to the feeling that if only one large exhibition were held and that at a place frequented by the four hundred more interest would be manifested in the exhibitions and the work of the society would be the more appreciated; but results did not justify expectations, therefore it has been decided this year to go back to the old way of doing things which in the main was very satisfactory.

The first exhibition will be held at the time most suitable for the best display of roses, of which there are a great many grown here and there are also purchased by many who have collections, all the new varieties as fast as they are introduced. Although roses will be prominently provided for in the schedule of premiums for this show, other things will also be well recognized. The second and principal exhibition will be held early in September, when dahlias will be a feature again, but not to any absorbing degree. Provision will be made for groups of foliage plants, specimen plants, cut flowers of all kinds and fruit and vegetables, as well as medals and premiums for new things of merit from any source whatsoever.

Over $1,000 will be awarded in premiums. The expenses of the exhibitions will, it is hoped, be met by the proceeds from the sale of tickets and other sources of income. The price of tickets will be reduced from 50 cents to 25 cents. Music and dancing will enliven the last evening of both shows.

M.

Gardeners' and Florists' Club of Boston.

The officers of the Gardeners' and Florists' Club of Boston are to be congratulated on the remarkable growth of their association. The club has made a net gain over all losses of 250 members since January, 1905. The landscape gardening feature is especially good. Some of the leading florists are taking the course, which covers 40 lessons and costs $8.

Boston.

PRICES HIGH.

A lively social season has been the chief source of business the past week. The legion of deceased increases at this season of the year, and in consequence funeral work has been constantly required. Notwithstanding that the good weather has greatly facilitated supplying the market, which is yet far from being overloaded, prices have been maintained to a surprising degree. An excellent variety of good roses is at present on the market, but at what the buyers consider very high prices, as for less than $2 to $3 per dozen there is nothing attractive. There is a scarcity of medium quality roses which are most useful in work of second grade of which every retailer has a certain amount. There is only a fair demand for American Beauty, and the stock is very good, but the call seems to be for other varieties, such as Richmond, Killarney and Bridesmaid, all of which are excellent, the latter being shown to better advantage than heretofore this winter. Mme. Chatenay and Wellesley have hardly recovered from the heavy inroads made in the crop at Christmas. Carnations are abundant and sell at high figures, the demand and stock being only average. Violets, lily of the valley, orchids and gardenias are rapidly gaining the position of being a necessity to a first class stock. Never has the sale of the latter two been so steady and gardenias are found constantly on hand among the wholesalers who formerly lacked the courage to carry them.

NOTES.

The most prominent affair socially of the season was the Thomas ball, December 11, at the Hotel Somerset. Pink roses and Asparagus plumosus

were principally used, monstrous medallions of Bridesmaid adjoining the balconies and walls, and these with asparagus tastefully displayed formed a simple but unique decoration. Thomas F. Galvin was the decorator in charge.

The Henry M. Robinson Co. is developing rapidly a genuine wholesale flower trade, which along with its already established supply business makes its establishment one of the busiest in the city. The firm is at present handling an excellent stock of gardenias which are now indispensable to first class retailers.

The salesmen who traverse the Back Bay district daily report their business in that section as wonderfully increased even over last year's. There is no question but that this will soon be the center of the high class flower business in Boston.

The Waban Rose Conservatories are cutting an admirable stock of Bridesmaid roses, far superior to anything seen this winter of this variety, which with its companion, Bride, are invaluable. B.

St. Louis.

THE MARKET DULL.

This week has been very dull, in fact there has been nothing doing. Violets were very plentiful in the early part of the week, but became scarce Saturday owing to dark and cloudy weather. Carnations were also plentiful. Roses remain scarce and are very much in demand, especially long-stemmed American Beauty. Already in the down town districts can be seen the signs such as the street men used to exhibit, "Carnations 15 cents per dozen," "Violets 10 cents per bunch." These signs are going west around the vicinity of Thirteenth and Oliver streets. There are signs offering violets at 10 cents, near the wholesale district and the wholesalers are trying their best to get 40 cents per 100 for violets and $2 per 100 for carnations. Jonquils are coming in. Sweet peas are improving. Cannas are selling well. Quite a few narcissi were left over.

NOTES.

The marriage of Alice Ellison and Harry J. Wardy, of Chicago, was celebrated January 8, at the residence of the bride's parents, William Ellison and wife, 4511 Olive street. Religious services were held by the Rev. Bitting, of the Second Baptist church. Harry Ellison, the bride's brother, was best man and Miss L. H. Smith and Miss Ora Bell attended the bride. Master Young Helvig, a cousin of the bride, acted as ring bearer and Miss Mildred Brooks as flower girl. The bride and groom left for the east.

It is by no means certain that the Florists' Club will hold a flower show in 1907. Unless the $10,000 guarantee fund is complete at the next club meeting the project will be abandoned. It is rumored, however, that the St. Louis Horticultural Society will take hold of it and the liberal patronage at its command will provide a show worthy of the city.

The Riessen Floral Co. had its hands full last week. Mrs. Buechel stated that she had not yet experienced any dullness in trade. The firm's windows are elaborately decorated with cut flowers of every description.

BASKET OF AZALEA AND ADIANTUM FARLEYENSE.
By Samuel Murray, Kansas City, Mo.

The Florists' Club held its monthly meeting at the Burlington building, January 10, with Prof. Irish in the chair. About 35 members were present. Among the visitors was Swan Peterson, Gibson City, Ill.

Geo. Angermueller could have disposed of several thousand roses during the past week. He had to turn down orders owing to the scarcity. Everything of fancy grade sold at sight.

Early January 12 a fire broke out in the building occupied by C. A. Kuehn's cut flower and wire department. About $500 damage was done on the second floor in the wire department.

Wm. Winter said that the dark cloudy weather had caused his violet crop to be very short. Mr. Winter is the largest grower in Kirkwood. W. F.

Kansas City.

WHOLESALE BUSINESS QUIET.

The week just passed has been one of most peculiar climatic conditions. During that time we have been subject to a varied assortment of weather, the temperature ranging all the way from zero to that of regular summer weather. Stock, with the exception of roses, does not show the effects of the prevailing conditions. The dark days have served to put American Beauty almost out of the question. The limited quantity that does reach the market is practically unfit for sale. Bride and Bridesmaid are considered very satisfactory under the circumstances. Good prices are commanded for stock of this class. Carnations are in good supply and prices keep up pretty well. Enchantress, Harlowarden, Lady Bountiful and other good varieties bring from $6 to $8 per 100. In the wholesale department, trade is not so brisk as compared with other seasons. However no word of complaint is heard, and all seem to express the same satisfactory showing in average of the season's business. The decorators report much work for the social element. Many affairs are in progress incident to the short season before Lent.

NOTES.

Geo. Kessler, landscape architect for the Kansas City park board, left this week for Syracuse, N. Y., to direct the work on the park and boulevard system in that city. Most of the plans will be carried out in Mr. Kessler's office here.

Sam. Murray was busy last week with several large decorations for the implement dealers. The show rooms of the Parlin Orrendorf Co. are always regarded as the prettiest in town after Sam. is through with them.

The William L. Rock Flower Co. had decorations for several of the large implement houses last week. Mr. Rock has some nice orders tucked away for receptions, dinners and other fashionable events soon to occur.

Work is progressing nicely on the new greenhouses near Armour and Main streets. Judging by appearances Ed. is going at the proposition in the proper manner.

Warren Spain, of Lee's Summit, Mo.,

was a caller last week. Mr. Spain said he experienced much difficulty in obtaining sufficient stock for the Christmas trade.

The high quality of rose stock with Geo. M. Kellogg is remarkable, in spite of the fact that the sun has been almost obscure for the past few weeks.

Max. Eller may be seen hustling around every morning. A good indication that Max. is doing something at Twelfth and Main streets.

Fred Fromhold spent several days hunting last week. Of course Fred landed some game; the exact amount we refuse to divulge.

The R. S. Brown Co. reports a big sale on ferns for dishes. Practically all the fern dishes in the city are filled at Brown's.

R. S. Brown is able to make an occasional visit to his place. He is reported much better than last noted.

Don't forget the regular monthly meeting of the Missouri Valley Horticultural Society.

Mrs. J. M. Gasser, of Cleveland, O., is the guest of her nephew, W. L. Rock.

Miss Moseley says trade in Kansas City, Kas., is far ahead of last year's.

The Alpha Floral Co. had a large sale Saturday on cheap carnations.

Charley Thomas has left the employ of Miss Dalley. K. C.

Baltimore

MANY FUNERAL ORDERS.

With one or two intermittent cold snaps of a day or two each we have had for several weeks abnormally warm weather, with frequent and copious rains. There is no frost in the ground, the grass in many places is as green as though it were April, the buds of trees and shrubs are swelling, and it looks all around as though spring were coming right away. This may be an illusion which will quickly fade as some sudden blizzard knocks us out of our dream of a tropical winter and runs the mercury down from about 78° to 18° or less, as has happened in former years. The mortality lists are unusually long and the prevalence of pneumonia and other lung and bronchial troubles is attributed by the physicians to the soft and unseasonable weather. As a result, funerals are numerous and the demand for suitable flowers for these ceremonies keeps the stores busy and maintains a well distributed trade. But this is the time, too, for festivities and there is a fair inquiry for all the better and varied sorts which are used on such occasions. Good roses and carnations are not over abundant, and violets seem to have lost the place in popular esteem which was long their distinction. The great mass of short-stemmed, pale flowers which are thrown upon the market fail, very often, to find buyers at any price.

NOTES.

James Hamilton, Mount Washington, has added to his already extensive range, two new houses, each 29 x 100 feet, to be devoted to carnations. Almost all of the lumber except the bars was cut and worked in his own woods. The ridge-poles, purlins, plates, sills, etc., and even the ventilating sash were made of cedar cut and sawed on the spot. The walls are of concrete, made of cinders and cement, which are pointed up and given a wash of rich cement and sand, giving a good finish and excluding water. W. Hamilton grows roses, carnations, and chrysanthemums, his shipments of the last-named being very heavy in the season of 1906.

Invitations are out for the marriage on January 24 of John J. Perry, long manager of the Florists' Exchange, and Miss Effie Lillian Shipley, who for several years has been bookkeeper at the same establishment. The contracting parties are well and favorably known to the entire trade, and they will have the best wishes for happiness and prosperity of all who know them. After February 3 the happy couple will be at home at 1836 West Fayette street in this city.

Carroll B. Hoffman has bought the greenhouse property of B. R. Clark, adjacent to his own at West Arlington and will carry on business at both places, making a specialty of carnations, callas, greens, etc.

John Cook's windows are daily filled with huge displays of highly colored, long stemmed violets that seem to embody the fragrance and brightness of spring. S. B.

Toronto.

TRADE QUIET.

Business is only of the usual class for this season of the year as prices are in most cases too high to entice possible patrons. The lack of sunshine has been responsible for the shortage of bloom and even bulbous stock and flowering plants are not as plentiful as usual. Roses continue to be the most prominent of the staples. American Beauty and Richmond are scarce and the other varieties of roses are only in medium supply. Carnations are becoming more plentiful and some very good ones are on the market. Violets are more in evidence than they have been all season. Considerable enthusiasm exists locally over the coming convention of the American Carnation Society and the promised exhibits and members should make this one of the most successful meetings yet held.

H. G. Dellemuth has severed his connection with J. H. Dunlop and is now conducting the store formerly owned by Wm. Jay & Son, 438 Spadina avenue, having purchased the stock and good will.

In the death of Captain McMasters we have lost an enthusiastic friend and co-worker, who was always prominent in horticultural pursuits.

Good single violets are being cut by Carleton and Marks, of Lambton Mills.

Wm. Mackay is cutting Lilium Harrissii, which is very acceptable.

H. G. D.

Washington.

FLORISTS' CLUB PRIZE LIST.

The following is the list of prizes offered by the Washington Florists' Club at its spring exhibition, to be held in conjunction with that of the American Rose Society in this city, March 13, 14 and 15.

PLANTS.

Indian azaleas.—Six distinct named varieties, $12, $7, $5.

Palms.—Pair in pots or tubs, $12, $7, $5.

Ericas.—Six, not less than three species, P. Henderson & Co. prizes, $5, $3, $2.

Orchids.—Three plants, S. C. Briggs prizes, $8, $5, $2.

Hard-wooded greenhouse plants.—Two or more in bloom, azaleas excluded, $7, $3, $1.

Acacias.—Specimen plant, $7, $3, $1.

Hardy primroses and polyanthuses.—Twelve plants, distinct varieties, $4, $2, $1.

Cyclamens.—Ten plants in not over 7-inch pots, $10, $5, $3; single plant, $5, $4, $3.

Cinerarias.—Six varieties, $10, $5, $3; specimen plant, $3, $2, $1.

C. stellata.—Six plants, $10, $5, $3; specimen plant, $3, $2, $1.

Hyacinths.—Twelve named varieties in pots, one in a pot, $8, $5, $2; six named varieties in pots, one in each pot, $4, $3, $1; three pans not to exceed 12 inches, 10 bulbs of each variety in each pan, $8, $5, $2; single pan, not to exceed 12 inches, 10 bulbs of one variety, $4, $3, $2.

Tulips.—Six 8-inch pans, nine bulbs of one variety in each, $4, $3, $2; three 8-inch pans, nine bulbs of one variety in each pan, $3, $2, $1; three 10-inch pans, 12 bulbs of one variety in each pan, Henry F. Michell Co. prizes, $4, $3, $1.

Polyanthus narcissus.—Four 8-inch pots, five bulbs in each pot, distinct varieties, $4, $3, $2.

Jonquils.—Six pots or pans not exceeding eight inches, the number of bulbs in each left to the exhibitor, $3, $2, $1.

Narcissus.—Six 8-inch pots or pans, distinct varieties, single or double, $8, $4, $2; three 8-inch pots or pans, $3, $2, $1.

Lily of the valley.—Six pots or pans not exceeding eight inches, Henry F. Michell Co. prizes, $3, $2, $1.

Crocus.—Three 10-inch pans, three distinct varieties, $3, $2, $1.

Ixias.—Six pots or pans, distinct varieties, $3, $2, $1.

Roman hyacinths.—Six 8-inch pans, 10 bulbs in a pan, Henry F. Michell Co. prizes, $3, $2, $1.

Amaryllis.—Six pots, distinct varieties, $8, $4, $2.

Collection of herbaceous spireas, not less than three varieties, $8, $4, $2.

Display of Easter plants, bulbous plants, Easter lilies and cyclamens excluded, $20, $10, $5.

Fern.—Any variety that has been growing in a dwelling for at least four months previous to exhibition, open to amateurs only, John Clark prizes, $5, $3, $2.

Rubber plant that has been growing in a dwelling for at least four months, open to amateurs only, Peter Bisset prizes, $5, $3, $2.

Geranium grown in a dwelling for four months, Geo. Field prizes, $5, $3, $2.

General display of spring bulbous plants, all classes, $20, $10, $5.

Lilacs.—Six specimen plants, distinct named varieties, $8, $4, $2.

Hydrangeas, Hortensia section.—Three distinct varieties, $8, $4, $2.

CUT FLOWERS.

Carnations.—Vase of 100 cut blooms of one variety with foliage, Washington Florists' Club prizes, $6, $4, $2; 25 blooms any named crimson, $4, $2, $1; 25 blooms any dark pink, Mrs. Lawson or darker, $4, $2, $1; 25 blooms of any light pink variety lighter than Mrs. Lawson, $4, $2, $1; 25 blooms of any named scarlet, Geo. H. Brown prizes, $4, $2, $1; 25 blooms of any named white variety, $4, $2, $1; 25 blooms of any named yellow variegated variety, $4, $2, $1; 25 blooms of any named white variegated variety, $4, $2, $1.

Pansies.—48 cut blooms, not less than 24 varieties, shown in flat dishes, $3, $2, $1.

Violets.—Bunch of 100 blooms Lady Hume Campbell, $3, $2, $1; bunch of 100 blooms of any other double variety, $3, $2, $1; bunch of 100 blooms Princess of Wales, Chas. McCauley prizes, $3, $2, $1.

Orchids.—Display of not less than six genera and 15 named species or varieties, filling not less than 20 bottles.

SPECIAL PRIZES.

Best hybrid geranium, Mrs. S. C. Briggs prizes, $5, $3, $2.

Best seedling carnation, six or more blooms shown for the first time, Mrs. S. C. Briggs prizes, $5, $3, $2.

Best seedling rose, six or more blooms shown for the first time, Mrs. S. C. Briggs prizes, $5, $3, $2.

C. McCAULEY, Sec'y.

Buffalo.

BUSINESS SLOW.

Continued April weather has made trade rather poor. Funeral work was about all that kept the florists alive. Roses are showing the effects of the continued dark weather. Carnations are good. The pink primrose is a winner and having a large sale.

CLUB MEETING.

There was a very good meeting of the Florists' Club on January 9. Considerable business was transacted and two new members were elected. It was also decided to have the usual carnation exhibition in February as in previous years. A committee consisting of Wm. Scott, W. F. Kasting and A. Adams was appointed to make all arrangements for the exhibition and the usual banquet. There is every prospect of a good crowd going to Toronto. Wm. Scott and Wm. F. Kasting spoke about what was going to be done and the good display that was expected and its close proximity made it more of an inducement for the people of this city to go.

NOTES.

The agitation in Boston as to the stores being compelled to close on Sundays is applicable to nearly every other city. The time has passed when the florist has to wait for flowers to open. In some of our most progressive cities the florists are not allowed to open any more than any other store. As to church orders Sunday observance should apply there first. On the other hand if the stores are compelled to close the man with a small greenhouse in a city should be closed also, as the excuse that a man must be there to take care of fires and ventilation does not necessarily mean two other clerks and an errand boy to run the front part of the greenhouse that is fitted up for a store. The florists are not the only ones open on Sundays that should be closed. There are many others that are not any more necessary, but simply open because the laws are not enforced. Any business that has as good a reputation as the flower business should be one of the first to want the stores closed on Sunday. If all are closed no one is a loser, for what cannot be got on Sunday will be purchased on Monday.

S. A. Anderson and wife have gone for a little vacation to Washington and nearby towns. Mr. Anderson has some fine Proserpine tulips.

BISON.

Cleveland.

DEMAND SMALL.

The soft warm weather of the past week had a bad effect on the market and, with a decided falling off in funeral work, stock soon commenced to accumulate. Some of this had to be moved at reduced prices. Roses were about the only stock that retained former prices, as the cut is still short of the demand in this line. American Beauty, also violets suffered along with other stock, as there seemed to be no rush for any particular grade of flowers.

NOTES.

Mr. Smith, of Smith & Fetters, will take an extended trip, either to Europe or Cuba, having stated that he found it impossible to continue business without a rest. Ed. Fetters, a former member of the firm, will resume active business during Mr. Smith's absence.

A visit to the greenhouses of the J. M. Gasser Co. found everything improving, more especially the roses, for which great credit is due Mr. Bloythies, the new manager of the plant.

Mr. Wosko, of Eddy road, has four houses of Prince of Wales violets that give great promise of a heavy cut this spring.

At J. W. Wilson's place stock is all up in nice shape, two houses of adiantum looking very fine.

OHIO.

Pittsburg.

STOCK PLENTIFUL.

Since the last report roses have shortened in supply and carnations have increased. The same prices prevail on American Beauty and other roses but quite a slash was cut in carnation prices. Sweet peas are now plentiful as is lily of the valley. There is the usual over abundance of Roman hyacinths and Paper White narcissi. Tulips and lilies sell on sight if good. Daffodills have made their appearance; green goods are quite plentiful. The price of violets tumbled quite perceptibly during the week.

NOTES.

George Huscroft, Steubenville, O., says he has made some great bulb sales lately. When one considers that every florist in western Pennsylvania, Ohio and West Virginia is personally known to him it is no wonder.

Randolph & McClements are taking advantage of the long American Beauty market and are using great quantities of this rose in their decorations.

Mrs. Elliker, Homestead, had the misfortune to be quarantined at her home for a few days; her daughter, Ida, was in charge during her absence.

There has been quite an activity in ribbon circles; nearly all the eastern houses have had their agents here for the past 10 days.

Ernest Seiger has been laid up for several days, and says he is just getting his rest after the Christmas rush.

T. P. McCormick is no longer with The Florists' Exchange.

J.

New Orleans

WEATHER IS SPRINGLIKE.

Judging from the present outlook we will have no winter at all in our city. The delightful spring weather we are having now causes our gardens to look beautiful for this season of the year. Pansies, phlox, sweet alyssum, petunias and, in fact, all our spring annuals are now in full bloom. Our northern visitors, here for Mardi Gras, will certainly say this is the garden spot of the country.

NOTES.

The first convention of the southern florists will be a success from the start, the attendance will be very large and the space alloted for exhibits is all taken and conditions show that the exhibits of plants, flowers, etc., will be one of the finest given in the south. Joseph Steckler and C. W. Eichling are doing all in their power to make things comfortable for our visiting friends.

The Joseph Steckler Seed Co., Ltd., has moved into its new store and now has the largest and finest seed and supply house in the south.

F. Zeigler & O. Werner have dissolved partnership and F. Zeigler will continue the business on the Valdejo nurseries.

H. A. Despommier is busy in St. James making a 10-acre park for J. Lebermuth, the millionaire planter.

James Newsham is kept quite busy shipping roses and palms all over the country.

Frank Brocker, chief gardener of the city park, has the finest pansies in the city.

D.

Nashville.

LARGE FUNERAL ORDERS.

The trade in this city is in a flourishing condition and enlargements of the stores seems to be the order. Some of the finest and most handsome floral designs ever seen here were made for the funerals of Wm. Herman, a prominent and wealthy wholesale merchant, and L. L. Terry, an old citizen, long connected with the Nashville post office and held in high esteem. These were held on one day and other funerals kept the retailers busy and consumed the stock as fast as it appeared. Flowers have been abundant, the fine weather bringing everything out in profusion.

NOTES.

Joy & Son made some very novel and beautiful designs for Mr. Herman's funeral. A large floral pall was made entirely of violets and lily of the valley, more than 5,000 violets being used. Two urns were unique and very beautiful. One was made of galax leaves and filled with superb specimens of American Beauty roses. The other was made of Lawson carnations and filled with Bride roses of fine quality. Many smaller designs were furnished in the greatest profusion. This firm also made a pall of white roses, carnations and lilies for the funeral of Samuel C. Waggoner. This firm has very commodious quarters in their new store which is immediately opposite the one formerly occupied on Church street, and have besides a cellar of generous proportions.

Geny Bros. were equally busy with the funerals of the above, furnishing to the Herman funeral some handsome bay trees which were placed at the vault, and numerous smaller designs, one of the handsomest being a heart of large double violets. They also made for the Terry funeral a handsome pall, ordered by the post office officials, composed of roses, Roman hyacinths and Easter lilies. This firm is cutting fine Richmond roses, Robert Craig and Enchantress carnations, and are selling fine potted azaleas. They have divided their store heretofore with a tailoring establishment but the latter has had to move out and give them the whole space.

Miss Eda Birn has fitted up her new store at 107 Eighth avenue, N., in a most attractive manner and seems to be in a position to do good business. With C. A. Birn just around the corner on Broad street and the new store of I. H. McBride it makes a new floral centre which ought to bring trade.

The last mentioned is an entirely new

establishment, though Mr. McBride has had greenhouses on a limited scale for some time. He has ferns, palms, bedding and pot plants and will buy his cut flowers. He is located at 809 Broadway, and has been doing business for about one month and reports very gratifying success.

D.

Louisville.

TRADE VERY DULL.

Business the previous week was the worst experienced for a long while and consequently stock was a glut on the market, especially roses and carnations. The weather, being very warm, helped to bring the stock out faster than was necessary to meet the demand. Roses are fair in quality and the supply good. They have had a fair demand compared with other stock. Carnations have been very plentiful and the demand has been very slow; the quality is excellent. Violets have been a glut on the market. Lily of the valley sells well and the supply is about equal to all demands. Bulbous stock has been very plentiful, and had a great deal to do with forming the glut of other stock.

SOCIETY MEETING.

The regular monthly meeting of the Kentucky Society of Florists was held at Joseph Wettle's residence with a very large attendance. A good time prevailed as is always the case when we meet here. It was decided to hold the annual carnation exhibition in February. This is always a great event and it is hoped to see all the new varieties represented.

F. L. S.

Minneapolis.

GOOD AVERAGE TRADE.

Business is back again to normal conditions and prices have dropped from their holiday perch. New Year's saw the merchants well cleaned out, for what was left over from Christmas, went easily a week later. Stock is improving, roses being stronger and in better shape than they have been for some time. Carnations are fine, large and very plentiful. Violets are large and in very good color. Lily of the valley is good. Tulips are in, a little short, but excellent for designs. Greens are in good condition, about equal to the demand. Several very important social events have been engaging the attention of the trade.

NOTES.

Rice Bros. report a splendid business during the holidays, with less falling off now, than was expected.

Ralph Latham reports a business much too large for his quarters.

G. H.

Indianapolis.

The annual meeting of the State Florists' Association was held January 8 and was well attended. The meeting was an interesting one and the little dinner following seemed to have the approval of all. Final action was taken on rules and scales, which shall henceforth regulate the judging of flowers and plants exhibited at the meetings and shows. As the rules are very strict and three most able men were elected judges, it is safe to say, that awards secured from this society will stand for highest excellence. Anything scoring 95 points or better will receive a silver medal and certificates of merit will be awarded for flowers and plants scoring 85 points. Those seeking awards, offered by this society for carnations and roses, will have to exhibit at three meetings or shows and on one occasion the cut flowers will have to be accompanied by a growing plant. Further details, regarding this, can be had by addressing the secretary, A. Baur, of Baur & Smith, Indianapolis, for a copy of "florists schedule." The chair appointed the following committees to wind up the business of 1906: J. Haugh, F. Huckriede and F. Harritt, for auditing committee; H. W. Rieman, C. Sonnenschmidt and R. Hyite, temporary judges; F. Lemon, C. Knopf and H. Junge to prepare an amendment to the constitution.

The following officers were elected for 1907: H. Junge, president; C. Knopf, first vice-president; F. Huckriede, second vice-president; A. Baur, secretary; H. W. Reiman, Carl Sonnenschmidt and J. Hatfield, judges.

The Late James Braik.

See obituary.

Carnations were shown as follows:

F. R. Pierson Co., Tarrytown, N. Y.—Winsor, which arrived in poor condition.

E. G. Hill Co., Richmond, Ind.—No. 69, pink; No. 58, light pink; St. Nicholas, scarlet, scored 85 points.

Stuart & Haugh, Anderson, Ind.—A fine vase of Lawson, Enchantress, Lady Bountiful and Cardinal.

Weber & Sons Co., Oakland, Md.—Maple, dark pink, scored 85 points.

John E. Haines, Bethlehem, Pa.—Imperial, fancy variety; Pink Imperial, scored 86 points. This variety is a shade deeper than Lawson.

The E. G. Hill Co. also showed a vase of seedlings among which were several good scarlets, No. 128 being especially noticeable. The firm's new rose, Rhea Reid, received a great deal of attention, scoring 90 points. The color is a peculiar, pleasing shade of red, the bud finely shaped, foliage and stem all one could wish for and fragrance superior to that of American Beauty.

B. K. & B. Co., Richmond, Ind.—Sarah Hill, white, scored 87 points; Superior scored 85 points. This variety is best described as an Enchantress with Lawson color; it was much admired by many.

Visitors: F. Lemon, C. Knopf, W. W. Coles, J. Haugh and R. Hyat.

J.

San Francisco.

WINTRY WEATHER.

Snow, the real genuine article, is something we don't run across every winter, but that is just what has struck us here on the hills surrounding San Francisco the last few days, and it is still lying. The wind from the east, warm as a rule, has turned icy cold and growers had to be very careful with their ventilating apparatus. Of course in San Francisco it is rain pure and simple, about 12 inches to date and plenty more to come, by the look of the sky. This kind of weather helps to keep the supply of cut flowers of all kinds down and the prices up. The prices on all flowers are not exactly what they were at Christmas but nevertheless profitable. Since my last writing I have discovered eight more Japanese flower stands, making 12 in all. These are not regular flower stores, but mixed goods are also sold. It looks curious enough to see a vase of fine Enchantress carnations or Bridesmaid roses amongst a lot of bric-a-brac, cups and saucers, dolls, happy Hooligans, children's toys, etc.

SOCIETY MEETING.

The Pacific Coast Horticultural Society is working hard to get on its old footing again. The last meeting was held at the lodge house of the Golden Gate park, January 5. Old business was settled and new business started, Mr. McLaren, the superintendent of the park, being a very active member who never forgets to circulate refreshments and Havanas after meeting hours, which all enjoy to their heart's content.

NOTES.

Cleis, Jacobson and Fick have bought the stock of a new carnation, which has not been named yet. It is an immense flower, measuring all of four inches across, yellow, when opening turning to cream in the center and white on the edges after a few days; a first-class keeper, strong, stiff stem and a good continuous bloomer. It can be used for anything from table to funeral work.

R. Groves, of the Park Floral Store, has enlarged his store to the full length of the place, increased business necessitating it; his four greenhouses in the back are in fine trim, a miscellaneous stock being kept here at all times for the retail trade. He furnished a beautiful calendar to all his customers.

N. Peterson has engaged his brother to look after the greenhouses in the back of the store. Some very fine hanging baskets can be seen, of which a goodly number were sold during the holidays.

Aug. Jacquemet and his wife were both sick with typhoid fever but are now on the road to recovery.

GOLDEN GATE.

ADAMS, MASS.—A. J. Boothman, of North Summer street, has opened a store in the Tanner block. Miss Boothman is in charge.

Davenport, Ia.

The holidays have come and gone and no one is sorry, for all are completely tired out, each one having had all they could do. As near as can be ascertained the holiday trade was fully one-fourth greater than that of 1905-6—in fact, the best ever experienced here. The weather was favorable for deliveries and at no time was any extraordinary packing required for the safe delivery of stock. Besides the large holiday trade there were several large weddings and also numerous funerals, the most notable being the funeral of Bishop Cosgrove, who had been a priest here for nearly 50 years. As usual following a month of cloudy weather carnations and roses were in short supply. Carnations sold all the way from 75 cents to $4 per dozen; roses $3, $6, and $9 to $20 for American Beauty. There was not the usual number of blooming plants in the store windows, but what there were went fast. Poinsettias sold better than ever before and holly was a little better than we usually get here. Trade has been rather dull since January 1, but is getting better right along.

NOTES.

Ewoldt Bros. had a fine lot of chrysanthemums in for Christmas and they went like hot cakes, as 6-inch and 8-inch flowers are rarely seen here at Christmas. Timothy Eaton and Polar Queen were the varieties.

Theo. Ewoldt is still on the sick list, unable to do anything at all.

T. E.

Rock Island, Ill.

The regular monthly meeting of the Tri-City Florists' Society was held at the greenhouses of Henry Gaethje, a goodly number being in attendance. The subject up for discussion was "What Are the Best Plants to Raise for the Easter Trade." The subject proved to be a very interesting one and brought out some lively comment. After the usual routine of business a luncheon was served by the hostess and a social hour was enjoyed. The next meeting will be held at the home of Wm. Knees, of Moline, on the evening of February 14. The topic for the evening will be "Hotbeds, the Making and Care, and the Best Flowering Plants to grow in Them for Commercial Use." T. S. E.

Columbus, O.

CLUB MEETING.

The last meeting of the Florists' Club was held January 8. It was a very interesting meeting. Plans are being made for a chrysanthemum show next fall. Several selections were rendered on the piano by a visitor and also by one of the members. Everything is done to make the meetings interesting and the attendance of the club is very encouraging. Prizes were awarded for the six best carnations shown Some fine specimens were exhibited and great interest is taken in these little contests by the members. CARL.

Pasadena, Cal.

The regular meeting of the Pasadena Gardeners' Association was held at the G. A. R. hall, January 4. It was well attended and various topics were discussed. Immediately after the disposal of business the election of officers was held with results as follows: John Blake, president; A. McLeod, vice president; H. Merrell, secretary; G. A. Sawyer, treasurer; A. T. Hanson, trustee.

Meetings will be held as usual on the first and third Fridays in each month at 8 p. m., at G. A. R. Hall, East Colorado street. H. E. G.

Lenox, Mass.

The regular meeting of the Lenox Horticultural Society was held January 5, President F. Heeremans in the chair. The entertainment committee submitted a programme for the ensuing meeting nights. For the February 2 meetings, they have arranged the annual dinner and carnation night for February 16. Harry Bunyard, of New York, gave a very interesting talk, in which he offered to give a medal to the winner of the society's checker tournament and a donation from A. T. Boddington towards our fall show premium list. A. J. Loveless was awarded a first class certificate for Cypripedium Leeanum Adela, a seedling which he raised himself, also diplomas for C. insigne Sanderæ, C. insigne Harefield Hall variety, and C. Leeanum Clinkaberryanum. J. R. Shields, Dalton, was awarded a cultural commendation certificate for some extra fine plants of Begonia Gloire de Lorraine and a diploma for Primula obconica. G. F.

OBITUARY.

Daniel Sidwell.

Daniel Sidwell, of the Ripley Greenhouses, Ripley, O., died January 10, and his body rests under the sod of Maplewood cemetery.

For many years, during his life in close sight of this beautiful home of the dead, Dan's generous heart and his appreciation of the many who had gone before, moved him to plant tokens of affection and remembrance on the graves of the departed ones. He would often place flowers thereon when others neglected or forgot them after the funerals were over. Naturally a good-natured man his fellow beings shared the benefit of his goodness, high aspirations and great thoughts. The world's renown was to him as a bauble, compared with his innate desire to do unto others as he would be done by.

These thoughts are the sincere expressions of one who knew Daniel Sidwell and are written in honor of his name and that of his bereaved family. He was married to Miss Elizabeth Lowe in early manhood and she, with four sons, are left to mourn his loss.

Miss Elsie E. Biggam.

We regret to hear of the death of Miss Elsie E. Biggam, daughter of Mrs. M. A. Biggam of the Fairview Greenhouse, Leavenworth, Kas., which took place December 28 from heart trouble.

James Braik.

As we go to press word is received of the death of James Braik, the highly esteemed and well known assistant superintendent of parks, Buffalo, N. Y.

Wholesale Flower Markets

PITTSBURG, Jan. 16.

Roses, Beauty, specials	50 00@60 00
" " extras	25 00@ 35 00
" " No. 1	15 00@20 00
" " ordinary	5 00@ 8 00
Bride, Bridesmaid	5 00@15 00
Chatenay	5 00@15 00
Richmond	6 00@20 00
" Cusin	4 00@ 8 00
" Perle	4 00@ 8 00
" Bon Silene	4 00
Killarney	6 00@18 00
Carnations	1 00@ 5 00
Lily of the valley	2 00@ 4 00
Violets	50@ 1 25
Smilax	12 50@15 00
Asparagus, strings	30 00@50 00
" Sprengeri	2 00@ 4 00
Lilies	15 00@20 00
Adiantum	1 00@ 1 50
Paper white	3 00
Romans	1 00@ 3 00
Sweet Peas	1 00@ 1 50
Bouvardia	2 00@ 4 00
Freesia	3 00@ 4 00
Mignonette	2 00@ 8 00
Tulips	3 00@ 4 00
Cypripediums	15 00

ST LOUIS, Jan. 16.

Roses, Beauty, long stem	4 00@ 5 00
" " medium stem	1 50@ 3 00
" " short stem	50@ 1 00
" Bride, Bridesmaid	3 00@10 00
" Chatenay, Richmond	3 00@10 00
Carnations, common	1 50@ 2 00
" best	2 50@ 3 00
" fancy	4 00@ 5 00
Smilax	12 50@15 00
Asparagus Sprengeri	2 00@ 3 00
" Plumosus, strings	25 00@40 00
" cut sprays	2 00@ 3 00
Fancy ferns, per 1000, $2 00	
Lily of the valley	3 00@ 4 00
Violets	20@ 50
Stevia	1 00@ 1 50
Callas	10 00@15 00
Narcissus, Paper White	2 50@ 3 00
Romans	1 50@ 3 00
Sweet peas	50@ 2 00

CINCINNATI, Jan. 16.

Roses, Beauty, per doz., $1 00@$ 8 00	
" Bride, Bridesmaid	4 00@10 00
" Liberty	6 00@15 00
" Golden Gate	6 00@10 00
Carnations	2 00@ 6 00
Lily of the valley	3 00@ 4 00
Asparagus	50 00
Smilax	15 00
Adiantum	1 00
Asparagus plumosus and Sprengeri in bunches, per bunch 25c 35c	
Ferns, per 1000, $2 00	
Callas	12 50
Paper white	3 00@ 4 00
Violets	1 00@ 1 50

MILWAUKEE, Jan. 16.

Roses Beauty, per doz., 1 00@5 00	
" Liberty, Chatenay	5 00@12 00
" Bride, Bridesmaid	5 00@12 00
" Meteor, Golden Gate	5 00@10 00
" Perle	2 00@ 4 00
Carnations	1 50@ 5 00
Smilax	12 00
Asparagus, sprays	3 50
" Sprengeri	3 50
Lily of the valley	3 00
Adiantum	1 00@ 1 50
Common ferns, $2 00 per 1000	
Longiflorum, $2 00 per doz	
Violets	6 0@1 00
Sweet Peas	1 00
Stevia	2 00

CLEVELAND, Jan. 16.

Roses, Beauty, per doz. $1 00..6 00	6 00@15 00
" Bride, Bridesmaid, Meteor	6 00@15 00
" La Reine	3 00@ 4 00
Carnations	3 00@ 5 00
Smilax	15 00
Aspgragus, strings	25 00@50 00
" Sprengeri	1 00@ 2 00
Common ferns, per 1000, $1 50	
Adiantum	1 00
Sweet Peas	1 00@ 1 50
Pansies	1 00@ 1 50
Violets	1 00@ 1 50

BUFFALO, Jan. 16.

Roses, Beauty, $2 50 to $8 doz	
" Bride, Bridesmaid, Meteor	4 00@15 00
Carnations	2 00@ 5 00
Lily of the valley	3 00@ 4 00
Asparagus, strings	40 00@50 00
Smilax	12 00@15 00
Adiantum	75@ 1 50
Lilies	5 00@15 00
Violets	75@ 1 25
Stevia	1 00@ 1 25
Romans and Narcissi	2 00@ 3 00
Tulips	3 00@ 4 00

THE AMERICAN FLORIST

TWENTY-SECOND YEAR.

Subscription, $1.00 a year. To Europe, $2.00
Subscriptions accepted only from those in the trade.

Advertisements, on all except cover pages, 10 Cents a Line Agate: $1 00 per inch. Cash with Order.

No Special Position Guaranteed.

Discounts are allowed **only on consecutive insertions**, as follows—6 times, 5 per cent: 13 times, 10 per cent: 26 times, 20 per cent: 52 times, 30 per cent.

Space on front pages and back cover page sold only on yearly contract at $1.00 per inch, net.

The AMERICAN FLORIST Advertising Department is for florists seedsmen and nurserymen and dealers in wares pertaining to those lines only.

Orders for less than one-half inch space not accepted.

Advertisements must reach us by Monday to secure insertion in the issue of the same week. Address

AMERICAN FLORIST CO., Chicago.

When sending us change of address always send the old address at the same time.
We do not assume any responsibility for the opinions of correspondents.

THIS ISSUE 56 PAGES WITH COVER.

CONTENTS.

Suggestions for florists.....1233
With the growers 1234
—F. R. Pierson Co., Tarrytown, N. Y. (illus.) 1234
—John E. Haines, Bethlehem, Pa. (illus.) 1236
—Jensen & Dekema, Chicago (illus.) 1236
—Patrick Maier, Allegheny, Pa. (illus.) 1237
Twenty years ago 1237
To be done now 1238
Forcing and retarding in England..1239
Was Lincoln's gardener 1240
Market Gardens 1241
—Prices of indoor vegetables.....1241
Heating tomato houses 1241
Soot as a fertilizer 1241
Woodlice in mushroom beds.....1241
The coming Philadelphia convention 1242
Illinois State Florists' Association..1242
Society of Southern Florists.....1242
Newport Horticultural Society 1242
Gardeners' and Florists' Club of Boston 1242
Boston 1242
St. Louis 1243
Kansas City 1243
Baltimore 1244
Louisville 1244
Washington 1244
Buffalo 1245
Cleveland 1245
Pittsburg 1245
New Orleans 1245
Nashville 1245
Louisville 1246
San Francisco 1246
Obituary—Daniel Sidwell 1247
—Miss Elsie E. Biggam.....1247
—James Braik (portrait) 1247
Carnation number 1248
Ants in a greenhouse 1248
American Carnation Society 1248
Gerbera Jamesoni in the Riviera..1248
New Cleveland wholesale house...1248
Probst & Christianson, De Kalb, Ill.1248
Meetings next week 1249
Chicago 1255
Philadelphia 1256
New York 1258
Glen Cove, N. Y. 1258
The seed trade 1262
—California growers change contract terms 1262
—American Seed Trade Association 1262
—Imports and exports 1262
—Adulteration of seeds 1264
Catalogues received 1264
The nursery trade 1266
—Landscape Architects meet.....1266
—Sale of a fine estate.....1266
—Nurserymen landscape despoilers.1266

Ladies' Auxiliary Badge.

ASK for a certificate when securing your ticket for the Toronto convention.

METALLIZING flowers, fruits and other objects, fixing immutably their natural forms, is carried on to a considerable extent in Brussels, Belgium. The finished articles closely resemble real bronze in weight, texture and color.

THE date on the yellow address label on your copy of THE AMERICAN FLORIST will show when your subscription expires. Please renew subscriptions promptly on expiration to make certain of receiving your copy of each issue.

THOS. W. BROWN, who will be remembered as the genial horticultural representative of the British government at the St. Louis World's Fair, has been appointed secretary of the Egypt Horticultural Society, with offices at Cairo.

VERY often the seedsman is blamed for sending out bad seeds of the smaller kinds when the real trouble arises from their being eaten by insects. The time is approaching when a large number of seeds of this kind have to be sown and as the present is not such a busy season, for outdoor hands at any rate, a quantity of fine soil for filling seed boxes and beds should be got ready. When ready place it on top of the boilers or in some such position where it will get a thorough drying and baking. This will destroy all insect and fungus life in it and soil so treated does not so quickly sour on the surface as untreated soil does. No possible harm can be done but of course it has to be well moistened before sowing the seeds.

Carnation Number.

Our annual Carnation Number, containing a full account of the Toronto convention of the American Carnation Society, will be issued next week. Special advertisements for this issue should be mailed as early as possible.

Ants in a Greenhouse.

I saw "J. H. F.'s" inquiry for a remedy for ants in a greenhouse. I had been troubled badly with them. They even tunneled cinerarias out so that the tops dropped over and having tried several remedies with only moderate success I finally tried pieces of pork fat, an inch or two square, a couple of pieces to a house. When these were covered with ants they were scalded which would be five or six times a day, the same piece of fat answering for a week or more. Thus I had the satisfaction of knowing they were dead and not driven to other parts of the house. While it is a little trouble it is effective, as the fat will draw them from all parts of the house.

F. R. M.

American Carnation Society.

CARNATIONS REGISTERED.

By Baur & Smith, Indianapolis, Ind.—Saint Nicholas, the brightest scarlet we have ever seen in any carnation, exactly identical with geranium Trego in color. Does not dull in aging. Large bloom on fine long and strong stem, and very free. At its best during midwinter, but comes in early and continues late. Clean, vigorous, upright grower, with strong constitution. Both parents were seedlings.

May, a full shade deeper and brighter than Enchantress. Bloom of large size and well formed, opens up the center petals as soon as the bloom is unfolded. Good substance and never bursts the calyx. Stem of good medium length and as strong as Lawson. A fine healthy grower and very free, comes in very early and continues until midsummer. Both parents seedlings.

By The Chicago Carnation Co., Joliet, Ill.: Beau Brummel, a large white overlaid with crimson, on the order of Prosperity, having more color than this variety; a cross between a white seedling of our own and Harlowarden; an early free and continuous bloomer, producing large well formed flowers on good strong stems.

ALBERT M. HERR, Sec'y.

Gerbera Jamesoni in the Riviera.

R. Adnet, Cap D'Antibes, France, calls our attention to the fact that the admirable group of Gerbera Jamesoni, to which reference was made in our report of the Paris chrysanthemum show, issue of December 1, page 888, was his exhibit, for which he obtained a large silver medal. Mr. Adnet states that this gerbera grows very freely in the Riviera and that seeds are gathered by the million. That the plant likes the climate of the Riviera is proven by the fact that he produced blooms exceeding five inches in diameter. Some plants in his greenhouses, produced from seed sown June 23, were showing bloom last month (December 23).

New Cleveland Wholesale House.

The Cleveland Florists' Exchange will open as a new wholesale commission house and growers' market at 606 Huron road, Cleveland, O., January 28, with one of the finest equipped stores of its kind in the country. Besides representing the growers of the immediate locality, this firm will carry a full line of florists' supplies. Geo. W. Smith, who the past summer disposed of his growing and retail business, will have full charge of the new concern, which claims to be the only house in Cleveland independent of all greenhouses. We wish the new firm every success.

Probst & Christianson, DeKalb, Ill.

NEW GREENHOUSE-BUILDING FIRM.

This is a new concern with headquarters at 124 North Seventh street, De Kalb, Ill., which will make a specialty of public and private conservatories of steel construction. L. F. Probst has had considerable experience in the greenhouse building business, having been architect for the John C. Moninger Co., Chicago, for five years. He is well known in Chicago, where he has had 20 years' experience in general architecture. Mr. Probst has made a considerable study of iron and steel work in greenhouse construction and he has already done considerable work in these lines. Peter Christianson is well known as a prominent business man of De Kalb and for many years has been a prominent dealer in general building materials.

The new firm will undertake the building and equipment of all kinds of ornamental horticultural buildings, installing water fountains, grottoes, rockeries, etc., as may be needed. The sole agency for all territory west of Detroit, Mich., for the American Tufa Incrustation Co. has been acquired and the tufa stone will be furnished in car lots or smaller quantities. The firm has some good contracts in hand and there is plenty of work coming on to engage its attention for some time to come. There is a big field for a concern of this character throughout the growing west, and we wish its members every success.

Meetings Next Week.

Chicago.—Chicago Gardeners' and Florists' Union No. 10615, 10-12 Clark street, January 23.

Dayton, O.—Dayton Florists' Club, 112 South Main street, January 21.

Denver, Col.—Denver Floral Club, 323 Charles block, January 25, at 8 p. m.

Hartford, Conn.—Hartford Florists' Club, January 25, at 8 p. m.

Montreal, Que.—Montreal Gardeners' and Florists' Club, Alexandria rooms, 2204 St. Catherine street, January 21.

New London, Conn.—New London County Horticultural Society, Elks' hall, January 23.

Providence, R. I.—Florists' and Gardeners' Club of Rhode Island, 96 Westminster street, January 21, at 8 p. m.

Richmond, Ind.—Richmond Florists' Club, greenhouses of member, January 21.

SITUATIONS, WANTS, FOR SALE.

One Cent Per Word.

Cash with Adv.

Plant Advs. NOT admitted under this head.

Every paid subscriber to the AMERICAN FLORIST for the year 1906 is entitled to a five-line WANT ADV. (situations only) free, to be used at any time during the year.

Where answers are to be mailed from this office, enclose 10 cents extra to cover postage, etc.

Situation Wanted—By a German florist in a greenhouse; good experience. Address
JOSEPH BIEHLER, 51 Abbott Ct., Chicago.

Situation Wanted—By competent gardener on commercial or private place; permanent. Address ADOLF MALINA, 1039 W. Montrose Blvd., Chicago.

Situation Wanted—As a private gardener by an all-around florist; first-class reference; life experience; 32 years old. Apply, stating wages.
Key 881, care American Florist.

Situation Wanted—By A1 horticulturist; capable of taking charge of greenhouses and truck farm; age 23; life experience in horticultural work; strictly good habits; can furnish best of references; prefer private place; state wages.
ABE MILLER, Farm School, Bucks Co., Pa.

Help Wanted—Bill clerk, one familiar with seeds, plants and bulbs. Address
VAUGHAN'S SEED STORE, Box 757, Chicago.

Help Wanted—A young florist to assist in general greenhouse work; good wages to right man. Address Key 871, care American Florist.

Help Wanted—A good designer and maker-up; must be able to wait on trade; give age and references. Address
Key 863, care American Florist.

Help Wanted—A young man not afraid of work, with some experience in the seed business; German preferred. Address with full particulars,
Key 877, care American Florist.

Help Wanted—Man to look after 7,000 feet of glass, general stock for retail trade grown. State wages expected in first letter; single man prefered. Address CLEVELAND NURSERY, Waco Tex.

Help Wanted—The advertiser is desirous of securing a good grower, a steady all-around man; wages $15.00 per week with room and laundry. Address Key 882, care American Florist.

Help Wanted—Sober and industrious man who understands carnation and rose growing, also general greenhouse work. Address
JAMES HORAN & SON,
1941 Fairfield Ave., Bridgeport, Conn.

Help Wanted—Carnation grower to take care of section; single man and one that knows his business well only need apply. State particulars and wages expected. Address
Key 881, care American Florist.

Help Wanted—First-class florist for private estate, to take full charge of up-to-date greenhouses. We furnish house, and milk, butter and vegetables when we have them. Address
Key 879, care American Florist.

Help Wanted—Young man with some experience in general greenhouse work. Position permanent and good home. State age, experience, references and wages per month with board. Address GEO. S. BELDING, Middletown, N. Y.

Help Wanted—A young man as assistant in greenhouses, one who understands roses and carnations; must be strictly sober and industrious; wages $55 per month and room; table board can be had for $4 per week. Apply
JOHN THATCHER, Chester, W. Va.

Help Wanted—A man understanding the growing of roses and carnations; good steady place and a chance of advancement if satisfactory; will pay $12.00 per week as a start. Give full particulars and references in first letter. Address
MUSKOGEE CARNATION CO.,
Muskogee, Oklahoma.

Partner Wanted—A practical greenhouse man to take charge of 18,000 feet of glass in good Western town of 60,000. Some money required. S. E. GREER, 35th and R Sts., Lincoln, Neb.

Wanted to Rent or Lease—Florist business, 6,000 feet or more of glass, in thriving city in Kentucky, Ohio or Indiana; possession April or May. Address Key 864, care American Florist.

For Sale—Mailing list: 10,000; large mail and express buyers, 1905. Make offer quick. Address
Key 868, care American Florist.

For Sale—Nine greenhouses, dwelling house and barn, 3½ acres of ground. For particulars address
P. O. Box 109, Newtown, Bucks Co., Pa.

For Sale—Ice box, used four months, 16 ft. long, 7 ft. wide, 8½ ft. high; accomodations for a commercial or wholesale florist. Will sell at a sacrifice. Address CHAS. MILLANG,
50 West 29th St., New York.

For Sale—Store with greenhouse on prominent boulevard corner; established trade in cut flowers, pot plants and landscape work; long term lease and stock. Address LOUIS OSTENDORP,
425 Douglas Blvd., Chicago.

For Sale—Modern greenhouse, 3,000 feet of glass; best of trade; good reasons for selling. Anyone with money can clear $1,500 to $2,000 a year. It will stand close investigation. Address Key 867, care American Florist.

For Sale—The Tipton greenhouses; only greenhouse in county; county seat; appreciative people; two railroads; over 3,000 feet of glass; new; well stocked. Fine opening for good florist. Best of reasons for selling.
J. K. SHIFFER, Tipton, Iowa.

For Sale—On account of other business, three greenhouses, 25x100 feet, two years old, and well stocked with carnations; also eight-room dwelling house, just completed, latest improvements, 13 lots, 25x178 feet, near Chicago. Address
Key 882, care American Florist.

For Sale—Greenhouses, 12,000 feet of glass in good condition, well stocked, heated by return tubular steam boiler, easily heated; college town, all improvements, good retail trade; near Philadelphia steam and trolley, exceptionally good soil for roses. Address BOX 215, Swarthmore, Pa.

For Sale—A No. 1 establishment store and 10,000 feet of glass, with dwelling, 14 miles north of Chicago, in best North Shore locality; first-class condition; over 15,000 bedding plants sold retail yearly. Hustler can make big money. Reason of sale; owner has throat trouble and had to go into other business. Place worth $12,000; will sell for less and on easy terms.
Key 862, care American Florist.

WANTED.

Manager for Dunlop's retail store, Toronto. Must be experienced in the very best class of business and well up in decoration and designing. This is the best retail store in Canada and doing the best business. Our last manager was with us for ten years. Good salary to good man. Send references. J. H. DUNLOP,
Florist, 96 Yonge Street, Toronto, Ontario.

FOR SALE.

Old established retail florist's store. Reason for selling, going west. For particulars, write to
F. K., 700 N. 5th St., Philadelphia, Pa.

FOR SALE—Greenhouse Pipe

4-in. boiler tubes, second-hand, in fine condition, absolutely free from scale and with ends cut square. Sample and prices on application. KROESCHELL BROS. CO.,
45 Erie St., Chicago.

FOR SALE.

Des Moines, Iowa, wholesale and retail greenhouse establishment, 29,000 feet of glass, three acres of ground, well located, all in good order, with good wholesale and retail trade. Price, about $8,400; terms reasonable.

VAUGHAN'S SEED STORE
CHICAGO.

FOR SALE.

I offer for sale my entire greenhouse specialty business, which includes my Trap Duplex Gutters and Ventilating machinery. My business is thoroughly established. No firm has a better acquaintance with the florists. My health is not good and I am compelled to sell out in order to retire.

E. HIPPARD, Youngstown, Ohio.

FOR SALE.

COLORADO SPRINGS, COLO.

Wholesale and retail business, well located, 34 greenhouses, 13 acres of land, 4 boilers, 16-60; 2 dwellings. For terms address
WM. CLARK.

DISSOLUTION NOTICE

ONARGA, ILLINOIS, Dec. 31, 1906.

The partnership agreement heretofore existing between L. J Risser and Ludvig Mosbaek, under the firm name of Ludvig Mosbaek, is hereby dissolved by mutual consent. All debts owing to the firm of Ludvig Mosbaek and all debts owing by the firm have been assumed by the new business, which will be continued under the name of the Mosbaek Greenhouse Company of Onarga, the Iroquois Canning Company, of which Mr. L. J. Risser is President, succeeding to the business.

L. J. RISSER.
LUDVIG MOSBAEK.

FOR SALE.

ST. PAUL, MINN.

One of the best located cash retail florist businesses in the city.

Corner store, 25x60, fronting on three streets, and adjoining new federal post-office; also in close proximity to two opera houses, hotels, new auditorium, large department stores and public library.

Long lease, only $75 per month, including steam heat and water; **cheap at double that rent.**

This is an exceptional chance for the right party to get into an established business of seven years. Fine fixtures. Owner wishes to go into wholesale cut flower business in basement of same store. Good will, lease and fixtures, $1,500.

RAMALEY FLORAL EXCHANGE,
7th and St. Peter Sts., St. Paul, Minn

PAID UP....

Subscriptions Show That Readers Like the Paper.

THE CLEVELAND FLORISTS' EXCHANGE,

606 Huron Road,

BOTH PHONES. **CLEVELAND, O.**

On or before February 1, we will open at the above address a

Wholesale Commission Store and Growers' Market

INDEPENDENT OF ALL GREENHOUSES.

Consignors will receive their statements and checks promptly, also regular market report. It will be to your advantage to buy and sell here.

Ferns, Galax Leaves, Wire Designs and Full Line of General Florists' Supplies.

CALL AND SEE US.

PETER REINBERG

51 Wabash Ave., CHICAGO.

1,500,000 FEET OF GLASS

CURRENT PRICE LIST.

American Beauties.

	Per doz.
Long stem	$6 00
30-inch	4 00
24-inch	3 00
20-inch	2 50
18-inch	2 00
15-inch	1 50
12-inch	1 25
Short	75c to 1 00

	Per 100
Maid and Bride	$6 00 to $10 00
Uncle John	6 00 to 10 00
Chatenay	6 00 to 10 00
Liberty	6 00 to 10 00
Richmond	6 00 to 10 00
Sunrise	6 00 to 10 00
Perle	6 00 to 8 00
Golden Gate	6 00 to 10 00
Killarney	8 00 to 15 00
Ivory	6 00 to 10 00

ROSES, Our Selection, $5.00 per 100

	Per 100
Carnations	$2 50 to $4 00
Valley	4 00 to 5 00
Violets	1 00 to 1 50
Paper Whites	3 00
Romans	3 00
Stevia	1 50 to 2 00
Callas, per doz.	2 00 to 3 00
Harrisii "	2 00 to 3 00
Asparagus Plumosus per bunch	50 to 75
Ferns, per 1000.	2 00
Galax	1 00

TO THE TRADE

We desire to call your attention to the

SPLENDID QUALITY OF STOCK

NOW BEING RECEIVED BY US.

We are **HEAVILY ON CROP** with **Bride, Bridesmaid** and **Richmond Roses of unsurpassed quality.** The same can be said of **Carnations,** as our **Enchantress, Lawson, Nelson Fisher, Cardinal, Mrs. Nelson, Lady Bountiful** and **Boston Market** are the finest to be had on this market. Also an abundant supply of all other stock of good quality.

We are in a position **to fill your orders.** Why send elsewhere to learn later that you were not furnished with what you had ordered? Therefore, if you wish to avoid disappointments and want your orders filled satisfactorily, send them to us and you will be more than pleased that you did so.

J. A. BUDLONG

37-39 Randolph Street, CHICAGO.

Roses and Carnations A Specialty.....

WHOLESALE GROWER of CUT FLOWERS

CALDWELL, THE WOODSMAN,
Introducer of the Wild Smilax.

Wild Smilax, $2.50 per case.

THE ONLY PLACE WHERE YOU CAN ALWAYS GET IT.

Long Needle Pines, $1.00 per dozen. **Palm Leaves,** $2.50 per dozen. Extra nice long-stemmed **Palmetto Leaves,** $2.50 per 100. **Magnolia,** $2.50 per case, 16 cubic feet. **Sheet Moss,** $2.00 per sack. **Grey Moss,** $2.00 per sack. **Galax,** $1.00 per 1000.

Speed a Specialty. Write for Catalogue.

Caldwell, the Woodsman Decorating Co., Inc., EVERGREEN ALA.

PITTSBURG CUT FLOWER CO., Ltd.,

Rhinebeck Violets, Fancy Roses, Fancy Carnations.

222 Oliver Avenue, PITTSBURG, PA.

BEAVEN'S

Fadeless Sheet Moss

$3.50 per bag.

Southern Wild Smilax

IN ANY QUANTITY.

E. A. BEAVEN, Evergreen, Ala.

HEADQUARTERS FOR

Hardy Cut Evergreens and Florists' Supplies

Fancy and **Dagger Ferns,** fine quality.....$1.50 per 1000
New Crop Brilliant Bronze and **Green Galax,** $1.00 per 100
$7.50 per case of 10,000.

Southern Wild Smilax,
$3.50 and $7.00 per case.

Laurel Festooning, good and full.....5c and 6c per yard
Branch Laurel.....50c per bundle
Leucothoe Sprays.....$1.00 per 100
Sphagnum Moss.....50c per bag; 5 bags, $2.00
Green Moss.....$1.00 per bbl.

FLORISTS' SUPPLIES. A full line of Florists' Supplies, Wire Frames, Corrugated Boxes, Cut Flower Boxes, Immortelles, Cycas Leaves, Sheaves of Wheat, Tin Foil, Cut Wire, etc.

HENRY M. ROBINSON & CO., 15 Province St., 19 Chapman Pl., **Boston, Mass.**

CURRENT

PRICE LIST.

Subject to change without notice.

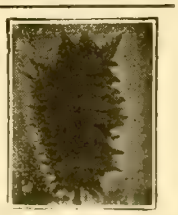
American Beauty,	Per doz
Extra long stems	$6.00
36-inch stems	5.00
30-inch stems	4.00
24-inch stems	3.00
20-inch stems	2.50
18-inch stems	2.00
15-inch stems	1.50
12-inch stems	1.00
8-inch stems	.75

	Per 100
BRIDE, fancy	$10.00
" good	$ 5.00 to 8.00
BRIDESMAID, fancy	10.00
" good	5.00 to 8.00
LIBERTY, fancy	10.00
" good	5.00 to 8.00
RICHMOND, fancy	10.00
" good	5.00 to 8.00
CHATENAY, fancy	10.00
" good	5.00 to 8.00
UNCLE JOHN, fancy	10.00
" good	5.00 to 8.00
PERLE	5.00 to 10.00
ROSES, our selection	4.00
CARNATIONS, good	3.00
" fancy	4.00

All other stock at lowest market rates. The above prices are for select stock. Extra select or inferior stock billed accordingly. No charge for packing. Prices subject to change without notice.

WIETOR BROS.,
51 Wabash Ave, CHICAGO.

EXTRA FINE **FANCY and DAGGER FERNS** $1.75 per 1000



Green and Bronze Galax, $1.25 per 1000. **Boxwood,** 20c per lb.; 50 lbs., $8.50.
Leucothoe Sprays, $1.00 per 100; $7.50 per 1000.

Send for our weekly price list on Cut Flowers. Let us have your standing order for Ferns; will make price right all through the season.

MICHIGAN CUT FLOWER EXCHANGE

WM. DILGER Mgr. 38 and 40 Broadway, formerly Miami Ave., DETROIT, MICH.

FUCHSIAS.

Little Beauty, strong, 2¼-in., at $4.00 per 100. Ready now.

COLEUS.

10 varieties, including Verschaffeltii and Golden Bedder. Absolutely free from mealy bug. Ready February 1. 2-in. $2.50 per 100. Cash with order.

LAKE SIDE GREENHOUSES, Erie, Pa.

RICE BROTHERS

WHOLESALE 113 N. 6th St.,

SHIPPERS of home grown Cut Flowers, comprising the newest varieties of blooms. Full line of supplies and decorative greens. Trial order solicited. Weekly price list issued.

MINNEAPOLIS, MINN.

ROOTED CUTTINGS.
February and March delivery.

Carnations and Geraniums

Send for list of varieties and prices.

ALBERT M. HERR, Lancaster, Pa.

CARNATION CUTTINGS.

	Per 100	1000		Per 100	1000
Mrs. Thomas Lawson	$1 50	$12	Robt. Craig	$6.00	$50
Lady Bountiful	2.50	20	Ellen Goddard	6.00	50
White Lawson	2,50	20	President	2.50	20
White Perfection	6.00	50	Estelle	2 00	15
Cardinal	3.00	25	Morning Glory	2.00	15
Victory	6.00	50	Lieut. Peary	2.50	20
			Enchantress	2.00	18
			Glazonier	1.75	14

Write for prices if you want quantity.

ELI CROSS. Grand Rapids, Mich.

American Florist Ads

Always do business
Week days and every day
Sundays and holidays
All over the country
At home and abroad.

$$ SAVE YOUR $$ SPLIT CARNATIONS

IT WILL MEAN DOLLARS TO YOU.

BEFORE.

Endorsed by the Highest Authorities.

VISIBLE.

TRADE MARK.

INVISIBLE.

INVISIBLE, INEXPENSIVE, INDISPENSABLE, INSTANTANEOUSLY APPLIED.

Have You Ever Figured How Much You Are Losing Every Year?

AFTER.

We believe we are safe in estimating the loss through so-called "splits" at from 15 to 20 per cent. of the entire cut. If you had a chance to save all these flowers and sell them for the highest price, would you not do it? That is just what the **Baur Clip** and **Pliers** will do for you at a minimum of time and expense. Made of galvanized wire and but a small portion appearing on the outside of the calyx, the clips are practically **invisible.** They make a perfect job and are instantly applied with our pliers, an instrument **worth its weight in gold,** finely finished and thoroughly nickel plated. Every tool guaranteed. **Will pay for itself in a few days.**

Pliers, $3.00; 1000 Clips, $1.00.

Send for it to-day. Cash with order. All orders filled in strict rotation. Your money back if you are not fully satisfied. Full directions with every outfit. Ready about February 10.

PATENTS APPLIED FOR.

BAUR FLORAL CO., 18 W. 10th St., ERIE, PA.

OUR CARNATION NOVELTIES FOR 1907

WINSOR, WHITE ENCHANTRESS and HELEN M. GOULD

One way to judge carnations is to see them on the exhibition tables. A better and more convincing way is to see them growing; therefore we cordially invite all carnation growers to visit us and judge for themselves regarding the superiority of the above-named sorts.

Our carnation houses are at SCARBOROUGH-ON-HUDSON (not Tarrytown). Friends who desire to visit us can take the N. Y. C. & H. R. R. R. from New York. Trains leave there every half hour. Scarborough is the first station north of Tarrytown. Our grounds adjoin the station, and the greenhouses are about five minutes' walk from the station.

We are growing 25,000 PLANTS OF WINSOR for cut flowers alone for the New York market this season, which shows the faith we have in it. This will also enable visitors to see it growing in quantity, and besides that, will give us enough plants to get a great abundance of fine, healthy cuttings without over-propagating. We have already booked a large quantity among the large growers, and anticipate for this variety the largest sale of any new carnation that has ever been distributed, as large growers who have seen it are enthusiastic in regard to its value. Those who have seen it have immediately placed large orders for it, so we recommend those who have not ordered to place order without delay, so as to ensure early delivery.

For full description of these three valuable novelties, see our wholesale price list. Of course, we shall have all of these varieties on exhibition at Toronto, where they can be seen, and where they will speak for themselves.

WHOLESALE PRICES ROOTED CUTTINGS SPRING 1907

WINSOR.—Soft silvery pink. The best color, best keeper, best shipper, best seller—best every way. $12.00 per 100, $100.00 per 1,000.

WHITE ENCHANTRESS.—Has the large size, long stem, productive habit of Enchantress, but is pure white. $12.00 per 100, $100.00 per 1,000.

HELEN M. GOULD.—A beautiful sport of Enchantress. Ground color lovely shade of silvery pink, with very fine pencilings of carmine, making an exceedingly exquisite combination. While on close observation this variety is variegated, the general effect is one beautiful tone of dark pink. Exceedingly valuable because it combines the earliness, freedom, long stem, and large size of Enchantress, giving another color possessing all the other desirable qualities of Enchantress. $12.00 per 100, $100.00 per 1,000.

BEACON.—Orange-scarlet. A vigorous, healthy grower of ideal habit. A profuse bloomer, with long stems. $12.00 per 100, $100.00 per 1,000.

ARISTOCRAT.—Cerise-pink. Will be planted largely in place of Lawson. $12.00 per 100, $100.00 per 1,000.

MELODY.—Daybreak sport of Lawson, about the same color as Enchantress, but much brighter, and does not fade like Enchantress. Also a much better keeper and shipper. Those who grow the Lawson varieties exclusively will find this very valuable and desirable because it gives an improved Enchantress color, which is so popular, and at the same time can be grown in the same house with the other Lawsons. An extra fine thing in every way and in great demand. A great addition to the Lawson class. $10.00 per 100, $75.00 per 1,000.

ROSE PINK ENCHANTRESS.—A sport of Enchantress. Color, dark rose-pink. $7.00 per 100, $60.00 per 1,000.

WHITE PERFECTION.—A novelty of 1906, and a variety for which there is a great demand this season. A third larger than Lady Bountiful and a more perfect flower. $6.00 per 100, $50.00 per 1,000.

VICTORY.—Scarlet. This is giving great satisfaction, being a free blooming, profitable scarlet. $6.00 per 100, $50.00 per 1,000.

RED LAWSON.—A fine red. Our stock of this is superior to many stocks of Red Lawson that we have seen. $4 00 per 100, $30.00 per 1,000.

VARIEGATED LAWSON.—The most productive of the variegated sorts. A favorite. Outblooms Mrs. M. A. Patten. $4.00 per 100, $30.00 per 1,000.

WHITE LAWSON.—An excellent white. $4.00 per 100, $30.00 per 1,000.

LADY BOUNTIFUL.—Pure white. $4.00 per 100, $30.00 per 1,000.

ENCHANTRESS.—$3.00 per 100, $25.00 per 1,000.

MRS. M. A. PATTEN.—$3.00 per 100, $25.00 per 1,000.

MRS. THOS. W. LAWSON.—$3.00 per 100, $20.00 per 1,000.

F. R. PIERSON COMPANY

TARRYTOWN-ON-HUDSON - - - - NEW YORK

Roses, Carnations, Violets,
And all other Cut Flowers in Season.

E. H. HUNT
RIGHT STOCK AT RIGHT PRICES.
76 Wabash Avenue, CHICAGO.

We also carry a full line of SUPPLIES.

E. C. AMLING
THE LARGEST, BEST EQUIPPED, MOST CENTRALLY LOCATED WHOLESALE CUT FLOWER HOUSE IN CHICAGO.
32, 34, 36 RANDOLPH ST., CHICAGO.
L. D. 'Phones Central 1978 and 1977.
Please mention the American Florist when writing.

Be your own Commission Man
THE FLOWER GROWERS' MARKET
furnishes the facilities.
See PERCY JONES, Mgr.
60 Wabash Ave., CHICAGO.
Please mention the American Florist when writing

Vaughan & Sperry,
Wholesale Florists,
58 and 60 Wabash Ave., CHICAGO.
WRITE FOR SPECIAL PRICES.
Please mention the American Florist when writing

Bassett & Washburn
76 & 78 Wabash Ave., CHICAGO,
Wholesale Dealers and Growers of Cut Flowers
GREENHOUSES: HINSDALE, ILL.
Please mention the American Florist when writing.

WIETOR BROS.,
Wholesale Growers of Cut Flowers
All telegraph and telephone orders given prompt attention.
51 Wabash Ave., CHICAGO.
Please mention the American Florist when writing.

CUT FLOWERS
FLORISTS' SUPPLIES.
We can and will take care of your wants. Catalogue free.
E. F. WINTERSON CO.
45-47-49 Wabash Ave,
CHICAGO.

Wholesale Flower Markets

CHICAGO, Jan. 16.

Roses, Beauty, extra long stems	6 00
" " 30-in. "	4 00
" " 24-in. "	3 00
" " 12-in. "	1 00
" Liberty, Chatenay	4 00@10 00
" Bride, Bridesmaid	4 00@10 00
" Golden Gate	4 00@ 8 00
" Killarney, Richmond	4 00@10 00
" extra fancy red	12 00@25 00
Carnations	2 00@ 3 00
" fancy	3 00@ 6 00
Lily of the valley	2 00@ 5 00
Cattleyas....per doz.,	$6 00@$7 50
Harrisii lilies, per doz.,	$2 50@$3 00
Asparagus plumosus, per string	35c@50c
" per bu.,	35c@$1 00
" Sprengeri	2 00@ 4 00
Galax leaves.....per 1000,	$1 00
Adiantum	75@ 1 00
Fancy ferns.....per 1000,	$2 00
Smilax.....per string,	15c@20c
Violets	75@ 1 00
Leucothoe sprays	75
Narcissus	3 00@ 4 00
Mignonette.....50 to 75 per doz	

WEILAND & RISCH
Wholesale Growers and Shippers of
CUT FLOWERS
59 Wabash Ave., CHICAGO.
'Phone Central 879.
Write for our wholesale price list.
WHOLESALE FLORISTS

Zech & Mann
Wholesale Florists
Room 218, 51 Wabash Ave., CHICAGO
Telephone, Central 3284.

Chas. W. McKellar
51 Wabash Ave.,
CHICAGO.

ORCHIDS
A Specialty,
Fancy Stock in VIOLETS, VALLEY, ROSES, BEAUTIES, CARNATIONS and a full line of all Cut-Flowers, Greens, Wire-Work and FLORISTS' SUPPLIES.
Send for Complete Catalogue.
Please mention the American Florist when writing.

The Geo. Wittbold Co.
1657-1659 Buckingham Place, CHICAGO.
The only retail florist in Chicago who grows his own cut flowers.
FUNERAL WORK ORDERS, OUR SPECIALTY.
Please mention the American Florist when writing.

SINNER BROS.
WHOLESALE CUT FLOWERS
60 Wabash Ave., Chicago.
Careful attention to all
SHIPPING ORDERS.

Poehlmann Bros. Co.
Wholesale Growers of
and Dealers in Cut Flowers.
All telegraph and telephone orders given prompt attention.
Greenhouses: MORTON GROVE, ILL.
35-37 Randolph St., CHICAGO.
Please mention the American Florist when writing.

Nephrolepis Whitmani
2¼-inch, $10.00 per 100,
Boston Ferns 2¼-in. $3.00 per 100.
Henry H. Barrows & Son, WHITMAN, MASS.

KENNICOTT BROS. COMPANY
40-42-44 Randolph St., CHICAGO.
Our reputation has always been that we fill orders when others fail. All stock in season at Lowest Market Rates.

THE BENTHEY-COATSWORTH CO.
35 RANDOLPH ST. WHOLESALE FLORISTS CHICAGO.

Chicago.

ROSES SCARCE.

The past week has seen a decided shortage of roses and a decided glut of violets. Carnations, too, were in overabundance, but at the time of going to press the market began to feel a slightly stronger undertone to the trade in this item. Funeral work has been pretty nearly the entire factor in the trade; consequently white stock has been the heaviest in demand. Polish weddings in the city, which used a number of white roses, only accentuated the condition. Bride roses touched almost holiday figures, some extra fine selling at $15 per 100. Bridesmaid did not hold up quite so well, owing to the greater number of pink varieties. Carnations were sold at very low prices last week, some reaching 75 cents per 100 on Friday and Saturday. On the same days violets touched rock bottom at 10 cents per 100, though the best grades brought 50 and 60 cents in many instances. Some lots went even higher. Wholesalers, as well as retailers, are complaining at the quality of ferns. These are exceptionally poor this year. Other greens are in excellent quality, abundant in quantity and moving as well as might be expected at this season. Bulb stock is moving more freely and bringing fair prices.

CLUB MEETING.

The regular meeting of the Florists' Club was held January 10, with President Bruns in the chair. There was a good attendance, and considerable routine business was transacted. Three new names were proposed for membership; Horace Cheeseman, 84 Randolph street; A. T. Pyfer, Joliet, Ill.; Henry Manheim, 37 Randolph street. John Evart, 255 Devon avenue, and Jos. Marks, 21 E. Randolph street, were elected members.

Some reference was made to the forthcoming meeting of the American Carnation Society at Toronto, and it was stated that a rate of a fare and one-third had been secured for this trip. Geo. Asmus, telephone West 624, of the transportation committee, can supply all particulars.

A resolution was offered changing the by-laws so that the nomination, election and installation of officers will take place later in the year. J. Hamlin, of Geneva, exhibited a dish of Sutton's Winter Beauty tomato, evidently a very high-priced European novelty. We must confess that we have seen much better samples produced from old and much cheaper American varieties.

Prof. Hasselbring called attention to the coming meeting and exhibition of the Illinois State Florists' Association, which is to be held at Bloomington next month.

NOTES.

Among those going to the American Carnation Society convention at Toronto from this city are: August Poehlmann, Leonard Kill and wife, L. Coatsworth, J. S. Wilson, P. J. Hauswirth, P. J. Foley, G. Asmus, W. N. Rudd and Bassett & Washburn's representative. A. T. Pyfer and J. D. Thompson, of Joliet, and N. Zweifel, of Milwaukee, will also be in the party. A special car has been engaged, which will leave January 22 at 3 p. m. and arrive in Detroit at 10:40 p. m. Here the Detroit delegation will join the party and leave shortly after 11 o'clock, arriving in Toronto at 7:50 the following morning. The transportation committee is composed of Geo. Asmus, W. N. Rudd and P. J. Hauswirth. The rate of a fare and one-third will make the trip going cost $11.70 and the return $3.90 with certificate. Do not neglect to ask for a certificate when you secure your ticket.

At the meeting of the Horticultural Society at the store of P. J. Hauswirth, January 16, a resolution was adopted endorsing a bill which the Illinois State Florists' Association has caused to be prepared to be presented to the state legislature at the present winter session, asking for an appropriation for investigation along the lines of greenhouse plant diseases and injurious insects. The committee on nominations asked for further time and the society adjourned to meet January 30.

A. J. Graves, of Bloomington, Ill., was a visitor in town this week. He reports having had quite a blaze at his greenhouses Christmas night. His boiler house was burned down and his propagating stock and geranium plants were destroyed. It is characteristic of Mr. Graves' energy that within five hours of the breaking out of the fire he had carpenters at work and the boiler house was entirely rebuilt within 24 hours.

The partnership agreement, heretofore existing between L. I. Risser and Ludvig Mosbaek, has been dissolved by mutual consent, the Iroquois Canning Co., of which Mr. Risser is president, succeeding to the business, which will be continued under the name of the Mosbaek Greenhouse Co., of Onarga.

Heavy crops of roses and carnations are reported at J. A. Bullong's. Bride and Bridesmaid roses are looking particularly fine. Richmond, too, is looking well. In carnations it would be hard to find better Enchantress, Lawson, Nelson Fisher, Cardinal, Mrs. Nelson, Lady Bountiful or Boston Market.

A banana plant bearing 60 fruits is to be seen in one of the carnation houses of N. C. Moore at Morton Grove. Such a plant is frequently enough met with in public and private conservatories, but it is the first one we have found in a commercial place in this part of the country.

The first informal reception of the employes of the Wienhoeber Co. will be held Wednesday evening, January 30, at the Svithiod Club house, 1766 Wrightwood avenue. Goldsmith's orchestra has been secured for the occasion and tickets are $1 each, the time 8:30.

Bassett & Washburn will stage an exhibit of their new red seedling carnation at the coming convention of the American Carnation Society, at Toronto. This firm is showing at its salesrooms some very fine cold storage Lilium giganteum.

Wietor Bros. are cutting from 200 to 300 long-stemmed American Beauty roses daily. These are of exceptional quality for this season of the year, few "bull heads" being allowed to develop. Other roses at this place are also looking fine.

Mr. Dekema, of Jensen & Dekema, has had to leave for California for an indefinite period on account of lung trouble. He reported safe arrival and was feeling better for the change on January 11.

Sinner Bros. have a fine crop of Bride and Bridesmaid roses coming in, which is particularly gratifying when so many of the growers' roses are practically off-crop.

J. F. Kidwell & Bro. have acquired about 200 acres of land at Downers Grove and will start there the erection of about 65,000 feet of glass in spring.

Weiland & Risch are receiving some very good roses and carnations, also some extra fine lilies and daisies, having two houses devoted to the latter.

Chas. W. McKellar is now receiving regular shipments of gardenias. His cattleyas and cypripediums are also shown and are of fine quality.

Fritz Bahr is showing some good plants of an excellent new strain of cyclamens. His new carnation, Lucille, is looming up in splendid shape.

The boiler season is opening up earlier than usual this season. The Kroeschell Bros. Co. has already booked a large number of advance orders.

Peter Reinberg is busy making carnation and rose cuttings and has started the work of grafting his roses.

The E. F. Winterson Co. is showing some very fine boxwood, having received a large consignment.

Scheiden & Schoos are bringing in some fine carnations, chiefly Enchantress and Crusader.

John W. Starrett, formerly with the Chicago Rose Co., is now with Zech & Mann.

Visitors: J. H. Thompson, Detroit, Mich.; Wilfrid Wheeler, Concord, Mass.; James Aldous, Iowa City, Ia.; A. C. Beal, Urbana.

"The Busiest House in Chicago."

J. B. DEAMUD CO.
51-53 Wabash Ave., CHICAGO.

All Flowers and Greens in Season.

J. B. DEAMUD, Pres. W. P. KYLE, Vice-Pres. ALEX. NEWETT, Mgr.

WANTED.
Echeveria Sec. Gl.
W. N. RUDD Mt. Greenwood, Ill.

CHOICE CATTLEYAS, 50c and 60c each.
WHITE VIOLETS, $1.50 per 100.
S. S. PENNOCK-MEEHAN CO., 1610-1618 LUDLOW ST., Philadelphia, Pa.

Philadelphia.

THE MARKET.

Business has been quiet the past week, the demand having fallen off quite perceptibly. One large private ball held in Horticultural Hall, a sort of a carte blanche order for the florist, cleaned up the American Beauty rose market and also helped out some of the growers who had blooming plants in ripe condition. American Beauty has been scarce and with the exception of the specials of poor quality prices ran high, $9 per dozen being asked for the tip toppers. Pink teas are a trifle off color; $20 is asked for the best. Liberty and Richmond sell well. Carnations have softened, $5 to $6 buying the specials. Violets are offered at from $1 to $1.50 for the doubles. Daffodils are now plentiful; $4 is the price. Sweet peas are becoming a factor and always in demand, price 50 cents to $1. Tulips are in but not much can be said in their favor as yet.

NOTES.

The Whitmani fern which, along with all others of the tasselled varieties, has been tabooed by many growers and dealers as a pot plant, has a staunch friend in Jacob Eisele, who has stock of the variety with which no fault can be found. The trouble has been that when in small sizes up to 6-inch pots the plants carry scarcely enough fronds to make symmetrical or shapely specimens. When grown on into larger sizes the fault is that the centers become massed and the older growth soon shows yellow leaves and when these are cleaned out the plant assumes a naked appearance that interferes very materially with its sale. Then the larger fronds of all these varieties become very heavy with their masses of green and are quite easily broken in handling. They are beautiful plants as seen on the top of a stand in the greenhouses where they get all the light and air necessary, but are not in the same class with the straight Boston or Scottii when it comes to utility.

At Myers & Samtman's, the senior partner was feeling happy over a big Christmas cut of American Beauty roses. He informed me that they cut 13,000 blooms for Christmas and over 6000 in the last week of the old year. This, from 26,000 plants, seems good. The entire cut went to the Leo Niessen Co., this city, and J. B. Murdock & Co., Pittsburg. At Christmas the Leo Niessen Co. took over 8000. There is at this range a very promising seedling from American Beauty and Safrano. Said Mr. Myers: "It has been in our possession for seven years but we have just learned how to grow it." As it now appears, it is a fine producer, with the shade of Killarney and the substance of American Beauty.

The decorations at the large ball at Horticultural Hall last Friday, January 11, were executed by the Habermehls. The display was most gorgeous. The effect produced by the thousands of miniature lamps which were used to outline alcoves, arbors and produce symmetrical lines among the masses of foliage and blooming plants was most beautiful. There were in addition to the foliage and flowering plants many vases and baskets of American Beauty roses to emphasize the prominent points. It was a lavish display and a credit to the decorators, for while everything was in great profusion yet it all seemed necessary.

Victor Groschens, who has been the superintendent at the Hugh Graham establishment on Old York road for the past 17 years, has severed his connection there and will go into the business as a grower on his own account. Mr. Groschens is renowned as a skilful gardener and many of the most beautiful foliage and blooming plants seen at the exhibitions of the Pennsylvania Horticultural Society were grown by him. He also raised many choice seedling chrysanthemums and carnations, quite a number of which have become standard commercial varieties.

While it is several moons to Easter the lily men are visiting about, taking notes and comparing prospects. Bulbs taken into the houses from the frames outside the second or third week of December are now up from three to six inches. The interesting time will come about the first week in February, when the diseased (?) bulbs will begin to show. It is astonishing how many such bulbs will be found with one grower, while another, scarcely a stone's throw away, who received his stock the same day as his neighbor, will find hardly any.

Retail dealers are troubled with the ribbon question, which millinery had become so necessary in the business that in volume of money it costs as much as all the other forms of supplies together. A rise in prices from 5 to 10 per cent is now demanded on account of the increase in the cost of raw silk. The S. S. Pennock-Meehan Co. in this department is kept busy answering questions and explaining the difference in price. K.

LONDON PARIS BERLIN

Established 1850. Thos. F. Galvin Incorporated.

CHOICE ROSES, ORCHIDS AND VIOLETS

124 Tremont Street. Boylston and Fairfield Streets.

BOSTON, MASS.

Elmira, N. Y.

The employees of the United States Cut Flower Co. presented Richard Kœnig, the superintendent, with a very fine box of cigars as a New Year's gift. Mr. Kœnig is very popular with the men under him and they fully appreciate the courteous treatment they receive at his hands.

Professor Spencer, accompanied by a class of students in the nature study courses at Cornell University were visitors at the greenhouse of The United States Cut Flower Co. recently.

NORTON, MASS.—Merton G. Lincoln is building a greenhouse to be used for the culture of cucumbers.

POINSETTIAS

$25.00 to $40.00 per 100.

THE LEO NIESSEN CO.

WHOLESALE FLORIST.

Open From 7 A. M. to 8 P. M.

1217 Arch St., PHILADELPHIA, PA.

AMERICAN BEAUTIES.

Any quantity of the very finest coming to this market, and a full line of everything in cut flowers and supplies.

PITTSBURG FLORISTS' EXCHANGE, Pittsburg, Pa.

NOW READY

to fill orders for **American Beauties, Lily of the Valley, Carnations** and all varieties of **Tea Roses** in lots of one hundred to one thousand at short notice. Get our prices before ordering elsewhere.

WELCH BROTHERS, 226 Devonshire St., BOSTON, MASS.

ASPARAGUS PLUMOSUS NANUS.

Cut Strings, 50 cents each.

W. H. ELLIOTT, Brighton, Mass.

THE

J. M. McCullough's Sons Co.

Wholesale Commission Florists.

CONSIGNMENTS SOLICITED.

Special attention given to Shipping Orders.

Jobbers of FLORISTS' SUPPLIES, SEEDS and BULBS.

Price List on Application.

316 Walnut St., CINCINNATI, OHIO.

Phone Main 584.

Please mention the American Florist when writing

Wholesale Flower Markets

PHILADELPHIA, Jan. 16.

Roses, Tea	6 00@ 8 00
" extra	10 00@15 00
" Liberty	6 00@25 00
" Queen of Edgely, extra	50 00@75 00
" " first	15 00@35 00
" Beauty, extra	50 00@75 00
" first	15 00@35 00
Carnations	4 00@ 8 00
Lily of the Valley	3 00@ 5 00
Asparagus, bunch	25 00@50 00
Smilax	15 00@20 00
Adiantum	1 00@ 1 50
Cattleyas	60 00@75 00
Gardenias	10 00@25 00
Lilium Harrisii	12 00@15 00
Violets, single	50@ 75
" double	1 00@ 1 50
Callas	25
Roman Hyacinths	3 00@ 4 00
Cypripediums	15 00@ 20 00
Mignonette	4 00@ 8 00

BOSTON, Jan. 16.

Roses, Beauty, best	50 00@75 00
" " medium	25 00@35 00
" " culls	8 00@16 00
" Bride, Bridesmaid	2 00@ 4 00
" Extra	8 00@16 00
" Liberty	6 00@25 00
Carnations	2 00@ 3 00
" Fancy	4 00@ 6 00
Lily of the Valley	2 00@ 4 00
Smilax	12 00@16 00
Adiantum	1 00@ 1 50
Asparagus	35 00@50 00
Violets	50@ 75

J. B. MURDOCH & CO.

WHOLESALE FLORISTS,

FLORISTS' SUPPLIES.

545 Liberty Ave., PITTSBURG, PA.

Please mention the American Florist when writing.

H. G. BERNING,

Wholesale Florist

1402 Pine St., ST. LOUIS, MO.

Please mention the American Florist when writing.

WM. C. SMITH & CO.

WHOLESALE FLORISTS.

Bell, Main 2018. Kinloch, Cent. 410.

1316 PINE ST., ST. LOUIS, MO.

Please mention the American Florist when writing.

Holton & Hunkel Co.

Wholesale Florists

Milwaukee, Wis.

Please mention the American Florist when writing.

Nephrolepis Whitmani

Young plants from bench,

$6.00.....per 100.

DAVIS BROS., Morrison, Ill.

Please mention the American Florist when writing

POINSETTIAS.

ALL SEASONABLE CUT FLOWERS.

ABSOLUTELY THE BEST POSSIBLE SERVICE.

W. E. McKissick

WHOLESALE FLORIST.

Business Hours 7 a.m. to 8 p.m.

1221 Filbert Street, PHILADELPHIA, PA.

WHOLESALE CUT FLOWERS. Valley, American Beauties, Brides and Maids, Sprengeri, Asparagus Plumosus, Carnations and Violets, all seasonable flowers. Large stock of Stevia on hand, can supply you at lowest market prices on short notice. Telephone or telegraph when you need cut flowers to

HENRY M. ROBINSON & CO., 15 Province St., 9 Chapman Place, **Boston, Mass.**

Tel. Main 2617-2618. **All orders will have prompt attention.** **A trial order will convince you**

Wild Smilax ALWAYS ON HAND.

C. A. KUEHN, 1122 Pine St., St. Louis, Mo.

New York.

MARKET OVER SUPPLIED.

The market is, to some extent, suffering from the after-holiday reaction. This, supplemented by continued bad weather, makes conditions far from satisfactory. While the prices on strictly first class stock have been fairly well maintained, some of the inferior grades are very low. Roses, more than any other stock, are showing the effects of long continued bad weather. There are many weak stems and a deterioration in color. Carnations are more plentiful and there is considerable really excellent stock on the market. Violets have taken a slump and many are being handled by the street men. Paper White narcissus, stevia and smilax are also in over supply. The popularity of Victory as a commercial carnation is established. From growers, all along the line to the consumers, it is praised.

HORTICULTURAL SOCIETY MEETING.

The fourth regular meeting of the Horticultural Society for the season 1906-7, was held in the rooms of the American Institute, West Forty-fourth street, on January 9. Much regret was expressed at the illness of Secretary Leonard Barron, who was unable to be present. Prof. George T. Powell, always interesting, spoke on the relation of agriculture to the prosperity of the country and gave entertaining facts concerning the value of land and its wealth-producing power. Dr. Robert T. Morris spoke on edible nuts, there being an exhibition of many varieties of American wild nuts, due to the enterprise of the American Agriculturist. The course of lectures on agriculture and horticulture, under the auspices of the society, will be continued on the second and fourth Wednesday of each month during the winter. Much interest is being manifested in the coming Toronto convention, and it is probable that quite a delegation will go from this city.

NOTES.

Angelo Dentali, for the past three years in the employ of Young & Nugent as decorator, celebrated his twenty-first birthday on January 5. There was a brilliant gathering of his compatriots at a supper to celebrate the event. After the viands had received due attention there was music and speeches and a happy time in general, showing the good feeling cherished by his friends for Mr. Dentali.

Dailledouze Bros. have fine carnation stock in sight. Welcome, one of their own production, a much lighter pink than Mrs. Lawson but otherwise identical, shows up in fine form. An unnamed seedling from seedlings of Prosperity is also a very promising pink. The Queen, White Perfection and Lieut. Peary are also seen at their best.

On January 10 J. H. Small & Sons executed an elaborate decoration for the annual dinner of the Hotel Association of New York at the Waldorf-Astoria. The banquet hall, magnificent in all its appointments, was made doubly so by a lavish display of American Beauty and other fine roses, palms, smilax and foliage plants.

After a long season of unfavorable weather the Flatbush growers are feeling reasonably happy. It would be hard to find a finer cut of Enchantress carnations than that which Henry Hession is sending in to Ford Bros. His Harry Fenn, Lady Bountiful and Boston Market are also first class.

For the funeral of Walter Hoffman, of New Brighton, S. I., January 9, William H. Donohoe executed a casket cover of lily of the valley and violets, a large number of fine designs composed of the choicest blooms and an appropriate decoration.

Several prominent dealers in the wholesale district have been feeling the effects of continued bad weather on their health. We are glad to say that J. K. Allen, who was not feeling well for a time, is all right again.

Wadley & Smythe, at 49 Fifth avenue, are showing very fine blooms of the Winsor carnation. In orchids and other cut stock they are abreast of the times. Fine plants from the J. Roehrs Co. are in stock.

C. W. Ward, who was on Twenty-eighth street on January 1, has great faith in the future of landscape gardening and ornamental horticulture.

Carl Wehn, a landscape gardener and importer of stock, was seriously, if not fatally hurt in a crush on an elevated railroad platform on January 1.

Secretary Barron, of the Horticultural Society, who has been on the sick list with the grippe, is now able to attend to his duties again.

L. Mulino's store at 503 Fifth avenue, has a good window decoration of lilac, carnations and flowering and foliage plants.

Albert J. Laretz, the retailer of 228 Flatbush avenue, Brooklyn, thinks of going to the Toronto convention.

Visitors to the wholesale district get puzzled over the frequency of the names of Young and Millang.

The Kervan Co. has no particular complaint as to business, but say that moss is scarce.

Joseph S. Fenrich is so young and cheerful that the grippe microbe steers clear of him.

John Scott, he of Scottii fern fame, has plenty of ferns as well as good pot plants.

Chas. Zeller & Son have a fine lot of flowering and foliage plants.

H. E. Froment's store has all the evidence of prosperity.

Visitors: Secretary P. J. Hauswirth of the S. A. F., Chicago, and George C. Watson, Philadelphia, Pa.

New York Florists' Club.

The regular meeting of the New York Florists' Club was held January 14 and much routine business was transacted. L. W. Wheeler, Frank H. Traendly and Wm. J. Stewart, committee on resolutions touching the death of the late Mrs. E. V. Hallock presented the following:

There is no home circle secure from the visitation of death. The most lavish outlay, the greatest human skill, love itself, cannot withstand his entrance, and we must all bow to the Almighty Wisdom which gives and which takes away.

On December 8 last, Frances M. N. Hallock, wife of our esteemed fellow member, E. V. Hallock, was called suddenly to the home that is eternal.

For many years the cherished life partner of one well known and honored in our craft, she leaves behind her the sweetest of earthly memories, that of a faithful wife and mother.

We join in expressing our heartfelt sympathy with him in his bereavement, and we trust that the Supreme Source of help will comfort him, and the love of the children she bore him be his solace.

Newport, R. I.

TRADE FAIR.

Trade continues to be fair, considering that this city has its dull season in winter. A great deal of funeral work kept the florists busy the last few weeks.

HORTICULTURAL SOCIETY BALL.

The Newport Horticultural Society held its ninth annual ball January 9, at Masonic hall, which was transformed into a garden of flowers, palms, bay trees and evergreens. The principal effect was on the stage, where the musicians were seated in front of an artistically decorated background of palms and evergreens. The letters N. H. S. were beautifully displayed in electric lights. D. J. Coughlin was floor manager, and R. A. Smith assistant floor manager. Aids: A. Fraser, T. B. Connolly, A. Christensen, J. K. Sullivan and P. F. Reynolds. Refreshments were served during the intermission. Although it was a cold night there were a great many present, and all had a good time.

NOTES.

Rain, snow, cold and warm, all in one day, is something unusual for this part of the country, but that is what we have had for the last two weeks. The seed houses are busy putting up packets for the spring trade.

Wm. Postings, head gardener to Mrs. Winthrop Chanler, was married to Miss A. Playden January 6, and sailed January 8 for England on their wedding trip, visiting relations and friends.

Wm. Jurgens has completed building one house 100 feet long and is now building another one the same length. These houses will be devoted to growing roses for the summer trade.

Wm. H. Maher furnished the flowers for the double Italian wedding, Papa-Ferraris and Papa-Cassase. Z.

Glen Cove, N. Y.

At the regular meeting of the Nassau County Horticulturai Society, January 8, there was a large attendance, President A. Mackenzie in the chair. Two were elected to active membership and the monthiy points competition closed for 1906 with the winners as follows: S. F. Trepess, gold medal; H. F. Meyer, silver medal; A. Mackenzie, bronze medal. In the monthly point competition A. Janecke scored 95 points; S. J. Trepess, 88⅓; H. F. Meyer, 68⅔. Prize winners were as follows: One hundred violets single, Boulon & Son; 18 carnations, arranged for effect, H. F. Meyer; 12 carnations, arranged for effect, V. Cleres; best flowering plant, Chas. Lenker, with a cypripedium.

It was arranged to have the second annual dinner on January 30 and the following is the executive committee: Thos. Harrison, James Duthie, Chas. Bertanzel, A. Johnston and Wm. Maher.

J. W. EVERITT.

FOXCROFT, ME.—B. T. Genthner carried a heavy holiday stock and enjoyed excellent trade.

HORACE E. FROMENT, Wholesale, Commission,
Successor to William Ghormley.
Orchids, Roses, Carnations, Valley, Lilies, Etc.
57 West 28th Street, NEW YORK CITY.
Telephones 2200 and 2201 Madison Square.

Alexander J. Guttman,
THE WHOLESALE FLORIST OF NEW YORK,
43 West 28th Street.
Write for prices on any variety of cut flowers, not only for New Year's, but for all the year round. Enough said.

Choice Carnations. Selected Roses.
Traendly & Schenck
NEW YORK CITY,
44 W. 28th Street, Cut Flower Exchange.
New Telephone No. 798 & 799 Madison Sq.
Please mention the American Florist when writing

CARNATIONS
MY SPECIALTY
Consignments Solicited. Prompt Payments
Established 1891.
Alfred H. Langjahr, 55 W. 28th St., NEW YORK.
Telephone 3924 Madison Square.
Please mention the American Florist when writing.

FORD BROS.
Receivers and Shippers of
Fresh Flowers
48 West 28th St. NEW YORK.
Telephone 3870-3871 Madison Sq.

N. Y. Cut Flower Exchange
Coogan Bldg., 6th Ave. & W. 26th St., New York.
Open for Cut Flower Sales at 6 o'clock Every Morning.
Desirable Wall Space to Rent for Advertising.
V. S. DORVAL, JR., Secretary.

JOHN P. SCHERER
Wholesale Dealer in
EVERGREENS, GALAX, FERNS and DECORATIVE SUPPLIES.
Greens and Trees a Specialty.
Telephone 328 L Union. 636 Garden St., **UNION HILL, N. J.**

ORCHIDS
Largest Importers, Exporters, Growers and Hybridists in the World.
SANDER, St. Albans, England.
NEW YORK OFFICE: Room 1, 235 Broadway. T. MELLSTROM Agent

Orchids!
ARRIVED IN FINE CONDITION.
Cattleya Harrisoniae, C. Intermedia, C. Gigas, C. Trianae, C. Speciosissima, C. Leopoldii, Laelia purpurata, Oncidium varicosum Rogersii, Marshallianum, Phalaenopsis amabilis and P. Schilleriana.
Lager & Hurrell, SUMMIT, N. J.
Orchid Growers and Importers.

ORCHIDS...
Importations 1907,
You can save money by getting our quotations on Cattleya Labiata, Trianae, Percivaliana, Mossiae, Mendelii, Schroderae.
JULIUS ROEHRS CO., Orchid Growers, Rutherford, N. J.

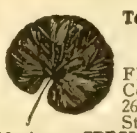
Charles H. Totty
WHOLESALE FLORIST
Chrysanthemum Novelties A Specialty. **MADISON, N. J.**
Please mention the American Florist when writing.

Wholesale Flower Markets

NEW YORK, Jan. 16.

Roses, Beauty, best	40 00	@ 60 00
" " medium	10 00	@ 20 00
" " culls	3 00	@ 5 00
Richmond, best	10 00	@ 30 00
" " culls	1 00	@ 4 00
" Liberty, best	8 00	@ 25 00
" Bride, Bridesmaid, G. Gate Special	10 00	@ 20 00
Extra	8 00	@ 10 00
No. 1	4 00	@ 6 00
" Killarney, special	10 00	@ 20 00
Short	2 00	@ 4 00
Carnations, fancy and novelties	5 00	@ 8 00
common	1 50	@ 2 00
Violets	50	@ 1 00
Lily of the valley	2 00	@ 4 00
Lilies	10 00	@ 15 00
Adiantum	50	@ 1 00
Asparagus Plumosus strings	25 00	@ 50 00
Jonquils	2 00	@ 3 00
Tulips		2 00

Thomas Young
WHOLESALE FLORIST.
43 West 28th St., NEW YORK.
Please mention the American Florist when writing.

N. Lecakes & Co.
53 W. 28th St., NEW YORK.

Tel. No. 1214 Madison Square

Stands at Cut Flower Exchange, Coogan Bldg., W. 26th Street & 34th Street Cut Flower Market. **SPECIALTIES:** Galax Leaves, Ferns and Leucothoe Sprays, Holly, Princess Pine and all kinds of Evergreens.
Green and Bronze Galax Leaves. $1.00 per 1000.
Please mention the American Florist when writing

A. J. FELLOURIS,
J. J. Fellouris, Manager.

Wholesale and Retail Dealer in all kines of **EVERGREENS, Fancy and Dagger Ferns. Bronze and Green Galax.**

Telephone, 2675 Madison Square.
52 West 28th Street, NEW YORK.
Please mention the American Florist when writing

George Cotsonas & Co.
Wholesale and Retail Dealers in all kinds of
Evergreens.

Fancy and Dagger Ferns, Bronze and Green Galax.
Phone 1202 Mad. Sq.

Main Store, 50 W. 28th St., NEW YORK
Please mention the American Florist when writing.

—FLOWERS SHIPPED BY—
JOHN I. RAYNOR
Are the best product of the best growers for the New York Market.
Adiantum Croweanum sold here exclusively.
49 W. 28th St., NEW YORK.
Tel. 1998 Madison Square

Walter F. Sheridan,
WHOLESALE FLORIST,
Telephones 3532 and 3533 Madison Square.
39 West 28th St., NEW YORK.
Please mention the American Florist when writing.

J. Seligman. Joseph J. Levy
John Seligman & Co.
WHOLESALE FLORISTS
56 West 26th Street, NEW YORK.
OPPOSITE N. Y. CUT FLOWER CO.
Everything in Cut Flowers. Consignments from growers solicited. Prompt returns. Best prices. Satisfaction guaranteed. Tel. 4878 Madison.
Please mention the American Florist when writing.

Moore, Hentz & Nash,
Wholesale Commission Florists,
55 and 57 West 26th Street,
Telephone No. 758 Madison Square. **New York.**
Please mention the American Florist when writing.

A. M. HENSHAW
Wholesale Commission Florist,
Consignments of first-class stock solicited. A Square Deal guaranteed to all who trade here.
Telephone 5583 Madison.
52 W. 28th St., NEW YORK
Please mention the American Florist when writing.

A. L. Young & Co.
WHOLESALE FLORISTS.
Consignments of choice cut flowers solicited. Give us a trial.
54 West 28th St, NEW YORK.
Telephone, 3559 Madison Square.

C. W. EBERMAN
Wholesale and Commission
PLANTS AND EVERGREENS
GALAX, FERNS, MOSS.
Consignments Solicited.
53 W. 30th Street. Telephone 3767 Mad. Sq. **NEW YORK.**

THE KERVAN COMPANY,
20 West 27th St., NEW YORK.
Wholesale dealers in fresh cut Palmetto and Cycas Palm leaves, Galax, Leucothoe Ferns, Mosses and all Decorating Evergreens.

J. K. ALLEN.
Wholesale Commission Florist.
106 West 28th St., NEW YORK CITY.
Open every day at 6:00 A.M. Tel. 167 Madison Sq.

CUT FLOWERS OR DESIGNS will be Delivered for the Trade on Wire or Mail Orders in Best Qualities and Prices.

William H. Donohoe, No. 2 West 29th St., (One Door Off 5th Ave.) NEW YORK.

PHONES: 3034 and 3035 MADISON SQUARE.

Write, wire or telephone your orders to the above. Personal attention assured.

The best is none too good. Prices always right. Send me your next order.

DETROIT.

JOHN BREITMEYER'S SONS

Cor. MIAMI and GRATIOT AVES.

DETROIT, MICH.

...Artistic Designs...

High Grade Cut Blooms.

We cover all Michigan points and good sections of Ohio, Indiana and Canada.

MILWAUKEE.

C. C. Pollworth Co.

MILWAUKEE, WIS.

Will take proper care of your orders in WISCONSIN.

INDIANAPOLIS.

Bertermann Bros. Co.

FLORISTS

241 Massachusetts Ave., INDIANAPOLIS, IND.

ST. LOUIS.

Fred. C. Weber,

FLORIST,

4320-4328 Olive St., ST. LOUIS, MO.

Established 1873. Bell, Lindell 676.

DENVER.

The Park ...Floral Co.

J. A. VALENTINE, President DENVER, COLO.

OMAHA.

HESS & SWOBODA,

Florists,

1415 Farnam Street, OMAHA, NEB

'Phone 1501 and L. 1582.

Please mention the American Florist when writing.

DENVER.

FLORAL DESIGNS AND FLOWERS.

Best Quality on Shortest Notice.

DANIELS & FISHER, DENVER, COLO.

Order by mail, telephone, telegraph or cable.

Cable address: "Daniels Denver."

LONDON PARIS BERLIN

A. Lange

Prompt Attention to STEAMSHIP ORDERS.

Main Address 40 East Madison Street, Heyworth Bldg. ...CHICAGO.

Agents in all Leading European Cities.

WASHINGTON, D. C.

Gude's.

CHICAGO.

P. J. HAUSWIRTH

Auditorium Annex,

CHICAGO.

Mail, telegraph or telephone orders filled promptly in best style.

BUFFALO.

Palmer's

Buffalo, N. Y.

W. J. Palmer & Son, 304 Main St.

WASHINGTON.

GEO. H. COOKE,

FLORIST

Connecticut Avenue and L Street, WASHINGTON, D. C.

KANSAS CITY.

Samuel Murray

...FLORIST...

Coates House Conservatory

1017 Broadway, KANSAS CITY, MO.

Both 'Phones 2670 Main.

Write, Telephone or Telegraph. All orders given prompt attention.

KANSAS CITY.

GEO. M. KELLOGG,

906 Grand Avenue,

KANSAS CITY and PLEASANT HILL, MO.

Will fill all orders for Cut Flowers, Funeral Designs, Wedding and Birthday Gifts that may be entrusted to them.

BROOKLYN, N. Y.

Robert G. Wilson

Fulton St. and Greene Ave. BROOKLYN

Greenhouses: Short Hills, N. J.

—Deliveries in—

Greater New York, Long Island and New Jersey.

Trade orders from all parts of the country filled for delivery at residence, steamer, hotel, or theater on wholesale basis. Satisfaction guaranteed. Wire or telephone.

ST. PAUL.

HOLM & OLSON,

ST. PAUL.

THE LEADING FLORISTS OF THE NORTHWEST

Orders will be well cared for anywhere in Minnesota and the Dakotas.

GALVESTON.

Mrs. M. A. Hansen,

—FLORIST—

Galveston, Texas.

Special attention given to Telegraph or Telephone Orders. 'Phone 1912.

JACKSONVILLE.

MILLS THE FLORIST,

36 W. Forsyth Street,

JACKSONVILLE, FLA.

WASHINGTON.

Mayberry & Hoover

Florists and Decorators

1339 Fourteenth St., Northwest

Telephone North 508. WASHINGTON, D. C.

New Orleans

CUT FLOWERS

For Tourists and General Trade.

Wire or mail. Highest Grade Stock Only.

URIAH J. VIRGIN, —838— CANAL ST.

COLUMBUS.

The Livingston Seed Co.

FLORISTS

Cover All Ohio Points. 114 North High St.

A. L. RANDALL
WHOLESALE FLORISTS
21 Randolph St., CHICAGO.

Our Fancy White Lilac
Will be ready January 20,
which promises to be of better quality than ever before. Roses, Carnations and Violets—large crops and quality sure to please. We are headquarters for Violets in the west.
Fanciest Mignonette, Valley, Etc.

SUPPLIES. New and up-to-date stock. Latest seasonable novelties on short notice.....
WRITE FOR QUOTATIONS.

The Cleveland Cut Flower Company,
WHOLESALE CUT FLOWERS, FLORISTS' SUPPLIES, WIRE DESIGNS.
215 Huron Road, CLEVELAND, OHIO.

Cut Flowers or Designs
Will be delivered for the Trade on Wire or Mail. Orders in Best Qualities and Prices.

ST. LOUIS.
Theodore Miller
FLORIST,
Long Distance Phone, Bell, Forest 56, Kinloch, Delmar 201. 4832 Delmar Boulevard ST. LOUIS, MO.

DAYTON, O.
Matthews,
FLORIST,
16 W. 3rd St., DAYTON, O.
Flowers in any arrangement for all occassions for Dayton and vicinity. Long dis. phones.

ALBANY, N. Y.
EYRES
Flowers or Design Work.
DELIVERED IN ALBANY AND VICINITY ON TELEGRAPHIC ORDER.
11 NORTH PEARL ST., ALBANY, N. Y.

SAN FRANCISCO.
J. B. Boland Co.
Successors to Sievers & Boland,
FLORISTS,
47-49 Geary St., SAN FRANCISCO, CAL.

ROCHESTER.
J. B. KELLER SONS,
FflorISTS.
25 Clinton Ave., N., ROCHESTER, N. Y.
Rochester Phone 506. Long Dist. Bell Phone 2189.

ATLANTA.
ATLANTA FLORAL CO.
41 Peachtree Street, ATLANTA, GEORGIA.

THE
Rose Pink Enchantress
Is the best and the most profitable pink carnation in sight. If ever you had a good thing on your bench you will be sure to find one in the
Rose Pink Enchantress
Ask me who has it in your neighborhood, and I will unhesitatingly refer you to your own neighbor. It is THE carnation to grow.
Price:—Strong rooted cuttings, $7.00 per 100; $60.00 per 1000. Address
S. S. SKIDELSKY,
824 No. 24th Street, PHILADELPHIA, PA.
Please mention the American Florist when writing

Attention, Western Florists
Wholesale Growers of Carnations, Roses, Violets, Paper Whites, Callas, Plumosus, Sprengeri Smilax, Adiantum, etc.,
We Want to Hear from You.
Rising-Dunscomb Co., Inc., 205 No. Broadway, LOS ANGELES
Please mention the American Florist when writing.

ST. LOUIS.
WRITE, WIRE OR PHONE YOUR ORDERS TO
YOUNGS,
1406 Olive St. ST. LOUIS, MO.
Regular discount allowed on all orders, either Plants or Cut Flowers.
Phones: Bell, Main 2306, Kinlock, Central 4981.

Blackistone Florist
14th and H Sts. N.W.
Washington, D. C.
Please mention the American Florist when writing.

LOUISVILLE.
JACOB SCHULZ, 644 Fourth Ave., LOUISVILLE, KY.
Cut Flowers of BEST QUALITY in season delivered promptly to any address.
Write, Telegraph or Telephone.
Cumberland and Home Phones 223 and 984.

CARNATIONS.
30,000 Rooted Cuttings Now Ready.

	100	1000		100	1000
L. Bountiful	$2.50	$20 00	Lawson.....	1.50	12.50
Enchantress	2.00	18.00	Q. Louise...	1.00	9.00
B. Market...	1.50	12 50			

BOSTON FERNS.
From bench; ready for 4 and 5-inch pots, $10.00 and $15.00 per 100 respectively.

ASPARAGUS.
Sprengeri, 2½-inch, extra large, $3.00 per 100; $25.00 per 1000. 3½-inch, good value. $5.00 per 100.
J. W. DUNFORD, Clayton, Mo.
Bell Phone: Lackland.
Please mention the American Florist when writing

A Few Good Things You Want.
Cash with Order.
Dracaena Indivisa, 4 and 5-inch, $10.00 and $25.00 per 100.
Asparagus Plumosus, 2-in., $3.00 per 100. 3-in., $5.00 per 100.
Asparagus Sprengeri, 2-inch, $2.50 per 100.
Geraniums, S. A. Nutt, John Doyle, Perkins, Double Gen. Grant, La Favorite 2 in. pots, $2.00. Rooted cuttings, $1.00 per 100. E. H. Trego and Castellane, 2-inch pots, $4.00 per 100.
Rex Begonia, nice plants, and 2½-inch, $5.00 per 100.
Boston Ferns, 5-inch, 30c each.
Pierson Ferns, 5-inch, 50c each.
Vinca Var., 2-in., $2.00 per 100.
Gladiolus, blooming buds, extra fine mixture, to close out while they last, 60c per 100; $5.00 per 1000.
GEO. M. EMMANS, NEWTON, N. J.

SPECIALTIES.
ROSES, from 3-inch pots. CHRYSANTHEMUMS.
CARNATIONS, for fall delivery. SMILAX. VIOLETS.
IN BEST VARIETIES.
Prices low. Send for list.
WOOD BROTHERS, Fishkill, N. Y.

ROBERT CRAIG CO.
ROSES, PALMS,
and Novelties in Decorative Plants.
Market and 49th Sts., Philadelphia, Pa.

The Seed Trade.

American Seed Trade Association.
H. W. Wood, Richmond, Va., Pres.; C. S. Burge, Toledo, O., First Vice-Pres.; C. E. Kendel, Cleveland, O., Sec'y and Treas. Twenty-fifth annual convention at New York, 1907

GRAND RAPIDS, MICH.—A. J. Brown started on his eastern contracting trip this week.

Visited Chicago: Chas. H. Vick, Rochester, N. Y., Chas. P. Braslan, San Jose, Cal., en route to New York.

BURPEE is offering two new bush lima beans, Fordhook and Burpee-Improved, for which much is claimed.

ST. PAUL, MINN.—Seven wholesale bulb and plant travelers were on the visitors' register here the past week.

AMERICAN seed has so improved the quality and quantity of the Indian tobacco crop that planters are now finding its culture profitable.

G. W. SHAW, of the University of California Experiment Station, Berkeley, Cal., has issued a bulletin on the "Selection of Seed Wheat."

THE Schlegel & Fottler Co., Boston, Mass., is using a halftone view of Franklin park, that city, on the back of its shipping tags, with the claim that it is the sole proprietor of the Franklin Park lawn seed.

DENVER, COL.—Adrien Traverse, formerly manager of the Lee Pioneer Seed Co., and later the Watkin's Merchandise Co., this city, has started in business on his own account in the Sugar building, 1524 Sixteenth street.

ATLANTIC, IA.—The William Ulrich Seed Corn Tester Co. has filed articles of incorporation, with a capital stock of $25,000, with James E. Bruse, president, and William Ulrich, secretary. The firm will manufacture the Ulrich seed corn tester and is fitting up a factory here.

THE Department of Agriculture has recently issued a bulletin on the "Evolution of Corn Harvesting Machinery," by C. J. Zither. It gives statements of cost, the length of service which may be expected under various conditions, and the work which can be done with the various machines.

THE answers of the representatives of the American Seed Trade Association to the series of questions submitted by the Bureau of Plant Industry of the Department of Agriculture, at Washington, D. C., January 10, are of vital interest to seedsmen and will be found in this issue, page 1264.

THE paper by Philippe de Vilmorin, entitled "Notes on Theory and Practice in the Selection of Seeds," presented before the Institute of Agronomy at the University of Louvain, Brussels, last April, has been printed and issued in pamphlet form, covering 24 pages of French text.

IN the year 1905-06 the experiment station of the University of California, at Berkeley, distributed 23,213 ounces of seed, covering 799 applicants and 52 counties, as compared with 4,737 ounces, covering 337 applicants and 48 counties in 1900-01. Fifty-three of the packages were sent out by express and 675 by mail.

California Growers Charge Contract Terms.

C. C. Morse & Co. announce that in common with the other seed growers in California they have agreed to change the terms of payment on contracts which have heretofore ruled in the seed business, making them 60 days or two per cent discount for cash. This action they claim is made necessary on account of general business conditions on the Pacific coast, where there is almost a famine of labor and where nearly everything the grower buys to conduct his farms is bought on a "spot cash" basis. They claim they are only asking that the seed dealers share a small part of their burdens by consenting to these reasonable business terms.

They state that their action in not sending a representative among the trade this year and in not wishing to book advance contracts against their onion crop was not influenced in any way, shape or manner by the attitude or action of any other grower or any other seedsman and was decided upon on account of the general conditions only. Excepting in the matter of terms they state positively that they have no understandings or arrangements with any other grower or growers, and they are in no combinations. Any statement to the contrary is wholly without foundation.

American Seed Trade Association.

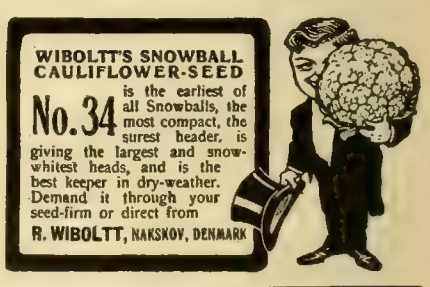
A meeting of the executive committee of the American Seed Trade Association, as stated in our last issue, was held at the New Willard hotel, Washington, D. C., January 9. There were present President Henry W. Wood, Richmond, Va.; Ex-President W. H. Grenell, Saginaw, Mich.; J. C. Robinson, Waterloo, Neb., and Secretary C. E. Kendel, Cleveland, O. By invitation there were also in attendance Vice-President Chas. S. Burge, Toledo, O.; Albert McCullough, Cincinnati, O.; Henry Nungesser, New York; Geo. S. Green, Chicago; Alex. Forbes, New York; W. Atlee Burpee, Philadelphia, Pa.; F. W. Bolgiano, Washington, D. C., and Chas. Breck, Boston, Mass. New York was confirmed as the place of the twenty-fifth annual convention, which will be held next June, and a good programme was arranged.

The committee on seed adulteration had an important and interesting meeting later in the day and in a conference with Dr. Galloway, of the Department of Agriculture, on the following day, they were joined by the other seedsmen in attendance, as above. In nearly every particular the seedsmen agreed with the Department of Agriculture, but they recommended that a high duty should be imposed on all grass seeds that are imported for the purpose of adulterating home grown seeds to cheapen the latter and at the same time to affect the quality. It was also suggested that a duty be charged on all grass seeds that have adulterants to the extent of 10 per cent and that the duty should be charged on the entire mixture. This is to discourage the importation of adulterated seed. The seedsmen are anxious that the farmer should be educated to the advantage of using nothing but the purest seeds that it is possible to obtain.

The seedsmen also recommend that the purity test be made very strict, but at the same time advised caution so that no injustice may be done, that is, the test should be made on the actual seed sold rather than mail samples. They further recommended that where a seedsman is found selling adulterated seed with the evident intention to deceive, no mercy should be shown and that the names of such houses should be made public so far as possible.

Imports and Exports.

During the week ending January 12 imports were received as follows:



The Chas. H. Lilly Co.
SEATTLE, WASH.
—Growers of—
PUGET SOUND CABBAGE SEED

C. C. MORSE & CO.
SEED GROWERS.
171-173 Clay Street, : SAN FRANCISCO, CAL.
OUR SPECIALTIES: Onion, Lettuce, Sweet Peas; also Carrot, Celery Celeriac, Cucumber, Endive, Leek, Mustard, Parsley, Parsnip, Radish, Salsify, Spinach. Tomato and Flower Seeds.
Growers for the Trade on Contract.
Warehouses: at SANTA CLARA.
Farms and Farm Headquarters: CARNADERO, near GILROY.
Registered Cable Address: "Morseed," San Francisco.

THE DAVIS PERFECT CUCUMBER

UNEQUALED FOR
Quality, Shape, Color, and Productiveness.

—⊙—

Unquestionably the best forcing cuke of recent introduction.

—⊙—

Offered by leading seedsmen throughout the United States and Canada.

—⊙—

This new Cucumber was originated by Mr. Eugene Davis, the Cucumber Expert, and also originator of Grand Rapids Forcing Lettuce and Davis Kidney Wax Bean.

Introduced by the packet only in 1906 by ALFRED J. BROWN SEED CO., Grand Rapids, Mich., who control the entire stock of this splendid new variety to-day.

WE SELL TO THE TRADE ONLY.

ALFRED J. BROWN SEED CO., Grand Rapids, Mich.

YOU WANT THIS ASTER SEED!

No Novelties. Grown Specially for My Growers. Best Commercial Sorts.

Branching White, Blue, Shell Pink, 25c a trade package; 60c, ¼ oz. Ostrich Plume, 50c a trade package; 75c, ⅛ oz.

GEORGE B. HART, Wholesale Florist, 24-28 Stone St., Rochester, N. Y.

A. J. Pieters Seed Co.

HOLLISTER, CAL.

— GROWERS OF —

Vegetable and Flower Seeds.

Special attention paid to selected stocks.

A. J. PIETERS, President and Manager.

Please mention the American Florist when writing.

John Scheepers & Co.

Finest Bulbs, Seeds, Plants and Valley.

NEW YORK CITY.

Send for valuable **Free** catalogue.

Please mention the American Florist when writing.

BURPEE'S SEEDS PHILADELPHIA.

Wholesale Price List for Florists and Market Gardeners.

Please mention the American Florist when writing.

CHOICE VEGETABLE SEEDS

FOR FORCING.

"STOKES' STANDARDS"

Are simply the cream of the lists. You can't get better value.

Cucumber, Perfection Hot-House Forcing—Repeated selections of greenhouse-grown White Spine. Per oz., 50c; ¼ lb., $1.50; lb., $5.00.

Cauliflower, "Stokes' Standard"—The very earliest in existence, close-growing, compact, perfect snow-white heads. Per pkt., 25c; ½ oz., $2.50; oz., $4.00; ¼ lb., $12.50.

Lettuce, Stokes' Big Boston—A splendid strain of this very popular greenhouse lettuce. Per oz., 15c; ¼ lb., 40c; lb., $1.25.

Lettuce, Stokes' Grand Rapids—A fine forcing strain, the true under glass sort. Per oz., 15c; ¼ lb., 40c; lb., $1.10.

Radish, Stokes' Scarlet Globe Forcing—The true 18 to 20 day sort, with small top and of a deep scarlet color. Per oz., 10c; ¼ lb., 25c; lb., 75c.

Radish, Stokes' White Marble—16 to 18 day sort, snow-white, crisp and tender. Per oz., 10c; ¼ lb., 25c; lb., 75c.

Tomato, Sparks' Earliana—Stokes' special strain. This is not to be compared with the sort usually offered. Per oz., 40c; ¼ lb., $1.25; lb., $4.00.

Rhubarb, for forcing—Whole clumps that have been frozen and are just ready for business. Per doz., $2.00; 100, $12.00; 1000, $100.00.

Five-Year-Old Asparagus, for forcing—Very profitable. Same price as rhubarb.

Stokes Seed Store.

219 Market Street, PHILADELPHIA, PA.

CARNATION NUMBER NEXT WEEK.

SEND ADVESTISEMENTS EARLY.

New York.—Atlantic Transport Co., 191 bags seeds; Wm. Elliott & Son, 23 packages seeds and mushroom spawn; T. C. Pollock, 36 bags seeds; Vaughan's Seed Store, 10 sacks peas and 16 packages seeds; A. Olsen, 150 bags clover seed; Wakem & McLaughlin, 16 packages seeds; A. Herrmann, three packages artificial flowers. Hermanus Seed Store, six packages seeds; Portland Seed Co., 50 bags field seeds; Schieffelin & Co., 20 bags seeds; J. M. Thorburn & Co., 45 bags seeds; Maltus & Ware, seven cases bulbs and three cases plants; H. Frank Darrow, 31 cases lily of the valley pips and one case trees; Holland-American Line, 19 packages seeds; R. F. Downing & Co., 10 packages seeds.

EXPORT.

New York.—Seeds, $27,989; beans, $6,989; peas, $2,189.

Adulteration of Seeds.

Ten questions submitted by the Bureau of Plant Industry, Department of Agriculture, at a conference with seedsmen at Washington, January 10, 1907, and the replies of the seedsmen's committee of the American Seed Trade Association to these questions:—

1.—What is an adulterant, and what seeds should be considered as adulterants?

Answer.—Adulteration in grass or clover seeds might be considered the intentional mixing of a cheap seed with a high priced seed of another kind, of similar appearance, for the purpose of lowering the cost price and deceiving the purchaser. In the present state of the seed business we think the following seeds should be considered as adulterated:

Yellow trefoil mixed in red clover; yellow trefoil mixed in alfalfa; burr clover from wool alfalfa; Canada blue grass mixed in Kentucky blue grass; meadow fescue mixed in American orchard grass; English rye grass mixed in American orchard grass; English rye grass mixed in American meadow fescue.

2.—Should the Secretary of Agriculture fix a limit below which the presence of certain seeds will not be considered as adulterants?

Answer.—Yes. No publication should be made in instances when the percentage of foreign seed is less than five per cent unless repeated tests of seeds obtained from any dealer show that he is systematically selling adulterated seeds, so as to come just within the limit.

3.—Is the present method of getting seeds for analysis unfair to seedsmen and, if so, can it be improved?

Answer.—The present method of taking samples for analysis, is unfair as the seedsman has no means of defending himself. A portion of the sample taken for analysis by the government inspector should be sealed and left with the seedsman so as to give him an opportunity in case of an adverse report to have the sample examined by an independent analyst.

4.—When no specific mention is made of the presence of adulterants, should seed containing them be considered as adulterated, without regard to the price asked or any designation, such as "screenings," "mixt." etc.?

Answer.—Seeds sold as screenings, mixed seeds, or seeds sold by sample without misrepresentation being made thereof should not be considered as adulterated or reported on in any way.

5.—When a seedsman is found to have offered adulterated seed, should he be given an opportunity to explain, and, if so, how can the explanation affect publication?

Answer.—When a seedsman has been found offering or selling adulterated seeds he should unquestionably be given a chance to explain, and, upon satisfactory explanation or disposition of the seeds referred to, no report should be made or further action taken. If, however, he persists in selling adulterated seeds, and is again found doing so, the department would be fully justified in making a public report of the matter.

6.—Should publication be based on mail samples, purchased lots or both?

Answer.—Publication should not be made upon mail samples, but when mail samples are found to be adulterated, purchases should be made on the samples submitted and action taken on the analysis of the lots purchased.

7.—Should the price at which the seed is offered be included in the publication, and should the price be considered as an indication of the dealer's estimate of quality?

Answer.—If seeds are purposely misrepresented or purposely adulterated, the price should not enter into the question at all.

8.—Should the fact that certain seeds, sometimes used as adulterants, may have been harvested with the seeds in which they are found, prevent the latter from being considered as adulterated?

Answer.—The fact that certain seeds used as adulterants are sometimes harvested with the seeds with which they are sold should unquestionably receive the most careful consideration and great care should be used before reports are made on seeds of this character.

9.—Should the United States Department of Agriculture give seedsmen more assistance in testing seeds?

Answer.—Yes, regular seed control stations should be established, and, if necessary, a small fee could be charged for each sample analyzed.

10.—Would a prohibitive tariff on such seeds as yellow trefoil, bur clover such seeds as yellow trefoil, burr clover and Canada blue grass be advisable?

Answer.—No tariff should be placed upon Canadian blue grass or burr clover because there is a legitimate use for them as such, but we recommend that a specific duty of 5 cents per pound be placed upon yellow trefoil and also upon any mixture of seeds containing a greater percentage than 10 per cent of yellow trefoil.

In conclusion, we believe that care should be used to do exact justice in each individual case, and that since discretionary power has heretofore been exercised in the execution of this law this discretion should be continued and no publication made until sufficient facts have been accumulated to convince the department that the case under consideration is one of willful and fraudulent adulteration.

Catalogues Received

Iowa Seed Co., Des Moines, Iowa, seeds, nursery stock, etc.; J. F. Noll & Co., Newark, N. J., seeds, plants, bulbs, etc.; The Chas. H. Lilly Co., Portland, Ore., flower and vegetable seeds, etc.; Chas. H. Totty, Madison, N. J., chrysanthemum and other novelties; R. Vincent, Jr. & Son, White Marsh, Md., geraniums; California Nursery Co., Niles, Cal., fruit and ornamental trees, evergreens, palms, roses, etc.; Haskell Avenue Floral Co., Dallas, Tex., roses and plants; W. W. Rawson & Co., Boston, Mass., market gardeners and florists' wholesale price list of seeds, bulbs and plants; Waldo Rohnert, Gilroy, Cal., vegetable and flower seeds; Bromfield, Colvin Ries Co., Bay City, Mich., vegetable seeds; Morehead Mfg. Co., Detroit, Mich., steam traps; Sluis & Groot, Enhuizen, Holland, vegetable, flower and agricultural seeds; Buch & Hermansen, Krupunder, Halstenbek, Germany, nursery stock; Frederick Roemer, Quedlinburg, Germany, flower seeds; J. Peed & Son, West Norwood, London, S. E., Eng., seeds; W. Van Kleef & Son., Boskoop, Holland, nursery stock; W. W. Johnson & Son., Ltd., Boston, Lincs., Eng., vegetable and flower seeds; Max Kornacker, Weser, Germany, flower and vegetable seeds.

Henry A. Dreer, Philadelphia, Pa., seeds, plants and bulbs; Weeber & Don, New York, garden, farm and flower seeds; W. W. Rawson & Co., Boston, Mass., vegetable and flower seeds; Vaughan's Seed Store, Chicago, seeds and plants; Germain Seed Co., seeds and plants; Wm. Toole, Baraboo, Wis., pansy seeds; Wm. Elliott & Sons, New York, vegetable and flower seeds; Peter Henderson & Co., New York, seeds, plants, bulbs and garden requisites; Portland Seed Co., Portland, Ore., seeds, plants, bulbs and garden supplies; Old Colony Nursery, Plymouth, Mass., trade list of nursery stock, etc.; California Rose Co., Pomona, Cal., field grown, own root roses.

Abundance

ROOTED CUTTINGS of this most prolific white carnation will be ready for delivery in January. Price: $5.00 per 100; $40.00 per 1000. 250 at 1000 rate. 5 per cent discount for cash with order.

R. FISCHER, Great Neck, L. I., N. Y.

WE ARE BOOKING ORDERS FOR

Nephrolepis Amerpohli

The Sensational New Fern.
Awarded Highest Certificate of Merit at the S. A. F. Convention, 1906.

JANESVILLE FLORAL CO., Janesville, Wis.

10,000 Austria Canna Roots

$2.00 per 100, $15.00 per 1000.

10,000 Hardy Orange, Citrus trifoliata, 12-15 inches high, $1.00 per 100, $7.00 per 1000.

200 extra heavy Crimson Ramblers, in field, $10.00 per 100.

CAPITAL CITY NURSERY, V. E. LAMBERT, Prop.
P. O. Box 586. **Atlanta, Ga.**

CARNATION CUTTINGS NOW READY

Order at once. Don't delay. Our cuttings are strong, healtny and well-rooted. Unrooted cuttings at half price.

	Per 100	1000
Enchantress	$2.00	$17.00
Crusader	1.75	12.50
Boston Market, Mrs. T. Lawson, Mrs. A. Nelson	1.50	12.50
Variegated Lawson	4.00	35.00
Candace	5.00	40.00

Also a fine lot of **Chrysanthemum Cuttings** like Garza, Diana, Gallis, Daisy 'Mums with many other varieties for the season at low prices.

SCHEIDEN & SCHOOS,
60 Wabash Avenue, CHICAGO.

CARNATIONS. Rooted Cuttings.

Immediate delivery and satisfaction guaranteed.

	Per 100	Per 1000
Victory	$6.00	$50.00
Enchantress	2.00	18.00
Lawson (white)	3.00	25.00
Lady Bountiful	3.00	25.00
Boston Market	$1.50	$12.50
Mrs. E. A. Nelson	2.00	15.00
Lawson (pink)	1.50	12.50

250 of one variety at 1000 rate.

Chrysanthemum Stock Plants.

White: Willowbrook, Kalb, Estelle, Wanamaker, Ivory, Robinson. **Yellow:** Appleton, Bonnaffon Halliday. **Pink:** Coombes, McNeice, Enguehard. **60c** per doz.; **$4.00** per 100.

Stevia, rooted cuttings, $1.00 per 100. **Asparagus Sprengeri,** 3-in., $4.00 per 100.

E. T. WANZER, Wheaton, Ill.

DREER'S SUMMER FLOWERING BULBS.

The Begonias and Gloxinias offered by us are the best that skill and careful selection can produce, being grown for us by one of the most expert European specialists.

Tuberous Rooted Begonias.

Single Flowered, Scarlet, Crimson, White, Yellow, Rose and Orange, 40c per dozen; $3.00 per 100; $25.00 per 1000.

Choice Single Flowered in Mixture, 35c per dozen; $2.50 per 100; $22.00 per 1000.

Double Flowering. Scarlet, Rose, White and Yellow, 65c per dozen; $5.00 per 100; $40.00 per 1000.

Choicest Double Flowering in Mixture, 50c per dozen; $4.00 per 100; $35.00 per 1000.

New Hybrid Frilled Tuberous Begonias.

A most unique form with flowers of immense size, with wavy or frilled petals similar to the best forms of single petunias, 25c each; $2.50 per dozen; $20.00 per 100.

Gloxinia Crassifolia Grandiflora.

A very fine selected strain, strong, well-matured bulbs, Red, White, Blue, Red with white border, Blue with white border, in separate colors or in choicest mixture, 60c per dozen; $4.00 per 100; $35.00 per 1000.

Fancy Leaved Caladiums.

A choice selection of 25 distinct named varieties, fine large bulbs, $1.50 per dozen; $10.00 per 100. Choice mixed varieties, $1.25 per dozen; $8.00 per 100.

Our Quarterly Wholesale List has just been issued, and offers a full line of Seasonable Plants, Seeds and Bulbs.

HENRY A. DREER, - - Philadelphia, Pa.

CONRAD APPEL, DARMSTADT, GERMANY.

ESTABLISHED 1789.

Forest and Agricultural Seed Establishments,

HIGH GRADE GRASS SEEDS and ALFALFA

and Other Clovers, Agricultural and Forest Tree Seeds.

Trade Directory

—OF THE—

UNITED STATES AND CANADA.

PRICE $2.00, POSTPAID.

American Florist Co., 324 Dearborn St., Chicago

Vegetable Plants.

CABBAGE New Early and Succession, $1.25 per 1000.

LETTUCE Grand Rapids, Big Boston, Boston Market and Tennis Ball, $1.00 per 1000.

PARSLEY Moss Curled, $1.25 per 1000.

TOMATOES Lorillard and Mayflower, 40c per doz., $2.00 per 100.

R. Vincent, Jr. & Son, White Marsh, Md.

You Lost Money

If you missed our bargain offers in last two issues.

NOT TOO LATE.

NATHAN SMITH & SON
ADRIAN, MICH.

Please mention the American Florist when writing

Rooted Cuttings Per 100 prepaid: Ageratum, Gurney and Pauline, 60c; Salvia Bonfire, 75c; Coleus, asst., 60c; Vinca variegata, 90c, $7.50 per 1000, German Ivy, 60c, H. Pinks, Her Majesty, $1.00; Abbottsford 75c, Fuchsia, $1.00, Alternantheras, red and yellow, 50c, Heliotrope, blue, 85c, Verbena, mixed, 60, Giant Marg. Daisy, white, $1.00. Cash.

SHIPPENSBURG FLORAL CO., Shippensburg, Pa.

Please mention the American Florist when writing.

MICE PROOF SEED CASES.

SEND FOR BOOKLET.

HELLER & CO., Montpelier, O.

CANNAS

	Per 100
10 varieties, dry bulbs, my selection	$2.50
Geraniums, 10 var., my selection, 2-2½ pot	3.00
Pansy Plants, small, from frames, $3 per 1000.	.50
Asp. Plumosus Seed, Feb. 15, $2.50 per 1000.	.60

—CASH.—

JOS. H. CUNNINGHAM, Delaware, O.

THE WORLD'S BEST

Strain of Gaillardia. Seed saved this autumn from our collection of named varieties from best European growers. Colors run from primrose with pink center to deepest crimson, including solid yellows and reds. Plant now for summer bloom. Large packet, $1.00. Cash.

Riverside Greenhouses. AUBURNDALE MASS.

MUSHROOM SPAWN.

Frequent importations from England. Always fresh and lively.

J. J. STYER, Concordville, Pa.

SEEDS

If you are in need of any of the following, write us for prices.

Beet, Cabbage, Cannon Ball and Rocky Ford Musk Melon, southern-grown Watermelon, Bermuda and other Onion Seed, Okra, Mustard, French and California-grown Radish, Tomato, Mexican June Corn, Kaffir Corn, German Millet, Dwarf Yellow Milo Maize, Sugar Cane, Winter Barley, Red Rust Proof Oats, Cotton Seed, Whippoorwill and White Black-Eyed Field Peas, Spanish Peanuts, Johnson and Bermuda Grass.

TEXAS SEED AND FLORAL CO.
DALLAS, TEXAS.

—PURE CULTURE—

MUSHROOM SPAWN.

Per 10 bricks....$1.50	Per 25 bricks..$ 3.50
Per 50 bricks.... 6.50	Per 100 bricks.. 12.00

Fresh Tobacco Stems, in bales of 300 lbs. $1.50

W. C. BECKERT, Allegheny, Pa.

QUALITY SEEDS BULBS PLANTS

SEND FOR CATALOGUE.

ARTHUR T. BODDINGTON
342 West 14th St., New York.

Trade Directory

FLORISTS, SEEDSMEN, NURSERYMEN, Etc.

2.00 Postpaid
AMERICAN FLORIST CO.
324 Dearborn St., CHICAGO.

The Nursery Trade

American Association of Nurserymen.
Orlando Harrison, Berlin, Md., President; J. W Hill, Des Moines, Ia., Vice-President; George C. Seager, Rochester N. Y., Sec'y
Thirty-second annual convention, Detroit, Mich., June, 1907.

CATALPA seed is reported short.

SOUTH ORANGE, N. J.—W. A. Manda wants to be one of the commission of landscape architects to make the plans for beautifying Columbus, O.

SYRACUSE, N. Y.—Geo. E. Kessler, of Kansas City, Mo., engaged by the city as landscape architect for a term of three years, arrived January 7. He will spend some time in obtaining a good idea of the work necessary to beautify the city and then prepare plans for the purpose.

AMHERST, MASS.—A committee of trustees on arrangement of grounds and buildings has been organized, and Professors Brooks and Waugh have also been placed upon the committee. The committee will be provided with an appropriation of $1,000 for use in their work.

THE annual report, 1906, of the Nova Scotia Fruit Growers' Association is a book, of 153 pages, published by order of the government. It contains a list of officers, financial statement and the text of many very interesting papers and discussions on topics of great interest to fruit growers generally.

Landscape Architects Meet.

The American Society of Landscape Architects held its annual meeting and dinner January 8 in the rooms of the Transportation club, Hotel Manhattan, New York. William C. Barry, the Rochester horticulturist, was the guest of honor and addressed the society on the growth and care of shrubbery and plants in public parks and gardens.

An attempt to give an impetus to the art of landscape gardening will be made soon by the publication of several foreign books dealing with the art as it existed in Europe a century ago. The first to be published are Humphrey Repton's "Art of Landscape Gardening"; Thomas Whately's "Theory and Practice of Landscape Gardening," edited by Frederick Law Olmsted, Jr., and the work of Furst Puckler von Muskau, on his own park in Germany, edited and translated by Samuel Parsons, Jr., landscape architect of the Department of Public Parks of New York. These are all old works and for many years out of print. They will probably appear in May. The present officers of the society were re-elected.—New York Sun.

Sale of a Fine Estate.

The Hayes estate at Lexington, Mass., one of the most beautiful show places around Boston was sold recently, the purchaser being Geo. D. Haskell of Boston. The lands comprise about 28 acres and are highly improved while the buildings are very extensive and unique in construction.

The sale of this fine place recalls the death in February, 1902, of James Comley, who was for many years gardener here and who did so much to beautify the grounds by the addition and care of many choice and beautiful trees and shrubs. Francis B. Hayes, the original owner commenced the collection of rare and fine trees, shrubs and plants in 1860 and continued it for many years. He only survived the building of his mansion about a year when it descended to his son who also kept up the good work.

It is sad to see these fine places going to the builders and land speculators to be "developed." But it is satisfactory to note in this case that this fine place is not exactly given into the hand of the Philistines for Mr. Haskell it appears is going to preserve the trees in all cases where possible. But developing, building high class residences, macadamizing roads and all the rest of it has sounded the death knell of many grand plants and trees that our late friend planted and tended with so much care.

Nurserymen Landscape Despoilers.

Your comment on a recent letter to Country Life in America and the broad gauge thoughts of your intelligent and just correspondent, E. F. C., not only gives us an opportunity to properly mark and classify the expert individual whose advice saved his friend the difference between 40 and 350 plants, but it opens the way for the square dealing nurseryman and landscape gardener to disown relationship with that class of self seekers whom you very properly brand as bumptious, obnoxious, villainous hold-up men.

Every respectable calling is pestered with these parasites, which not only feed upon and destroy legitimate business but prey upon the credulity of the unwary and bring suspicion upon reputable concerns. The man professing to be a nurseryman, a landscape gardener or both who, ignorantly or designedly, subordinates art to commercialism should be branded for what he is as certainly as the quack doctor or adulterator of food. But who are responsible for these pretenders? Undoubtedly the demand is the principal reason for the supply. If the people needing expert service in any sphere of knowledge would simply learn to "know when they don't know" and then seek information from reputable sources only, the lessened demand for that class of pretenders whom E. F. C. styles a "dangerous combination of ignorance, presumption and unscrupulousness" would operate very effectively to reduce an undesirable supply. This course ought to be followed on general principles by everyone seeking information and service in lines where his experience is limited, but in spheres involving special scientific training more than ordinary precaution should be taken.

So far as the arts of the nurseryman and landscape gardener are concerned, a practical way open to the purchaser of their wares and services to escape the inroads of the "landscape despoiler" is to beware of the man who offers something for nothing. The making of a plan or scheme of treatment for either a house yard, large estate or park calls for horticultural and other scientific knowledge of an expensive order, and the man who pretends to dispose of it without fair compensation may be a philanthropist but he is generally a trickster. It ought to be the rule of the owners of suburban and country estates, whether the grounds are small or extensive, to plan before proceeding and to pay for the scheme of treatment as willingly as for the labor of executing it. If this course were followed the temptation to make good the cost of the plan by excessive planting or otherwise would be removed and the customer, not being under any obligation to the landscape architect, would be in a better position to have his purposes properly incorporated in the scheme. Every creditably executed landscape plan is accompanied by its planting key, and as neither need be accepted till thoroughly considered and satisfactory, the chances of excessive planting or other landscape blunders are reduced to a minimum. But no, the all wise owner balks at this initial, and what he terms unnecessary, expense and consequently launches into the work of beautifying his grounds with a half considered scheme which he has had donated to him by an enterprising individual whose object is dollars rather than the production of worthy landscape effects.

If owners would follow the practice of consulting reputable landscape gardeners as early as possible, preferably before commencing building operations, architectural schemes out of harmony with fixed landscape features would be a void and small encouragement given to the "landscape despoiler," whether nurseryman, architect, builder or owner. Every piece of landscape is a picture within a larger scene, and we always experience a rise of temperature in the region of the collar when the smaller is for any reason thrown out of harmony with the essentials of its environment. The "landscape despoiler," whether his purpose is to destroy the majesty of Niagara Falls or clutter a house yard, is a public and private nuisance, and lovers of nature and art should combine to show him up in his true light.

J. FRANKLIN MEEHAN.

CALIFORNIA PRIVET.

Extra Strong, 1 Year.

	Per 1000
18 to 24-inch, 3 to 5 branches	$12.00
2 to 3 feet, 5 or more branches	16.00
3 to 4 feet, bushy	20.00

We guarantee this stock will please.
Send for sample.

FURROW & COMPANY
GUTHRIE, OKLAHOMA.
Please mention the American Florist when writing.

Van Heiningen Bros. & Co.
NURSERYMEN,
BOSKOOP, HOLLAND.

Beg to offer to the trade for early spring delivery:

Low bud H. P. Roses, in general varieties, such as Babies, Beauties, Persian Yellow, etc., etc.
Standard H. P., fine stock, strong stems.
Clematis, field-grown, 2 years, strong.
Buxus, bushy, pyr. and standard form.
Rhododendrons, Hydrangeas, Conifers, etc., etc.

Ask our lowest wholesale prices.
Catalogue free on demand.

NEW YORK ADDRESS:
care MALTUS & WARE, 14 Stone St.

PEONIES.

From our large and select stock, such as the following varieties:

Prince Charles,	Philomile,
Mons. Boquil,	Lord Salisbury.
Leonie,	Festiva,
Duchess of Sutherland,	Hypatia,
Rosea maxima,	Mons. Rousselon,
Mme. Furtado,	Mme. Moreau,

and many other good varieties all true to name.
Strong 1 year old.....$1.50 per doz.; $10.00 per 100
" 2 " " ..... 2 00 " 15 00 per 100

Iris Germanica, Mme. Chereau, Gracchus, Florentine, Socrates, Duchess de Nemours, Dr. Bernice and 20 other good sorts, $2.50 per 100; $22.50 per 1000.

Hemerocallis (Day Lilies), in 10 varieties, to clear, $3.75 per 100; $30.00 per 1000.

The Undermentioned are Strongly Recommended for Cut Work.

Delphinium Belladonna, distinct, continuous bloomer, lovely sky-blue, 1 year old plants, $6 25 per 100; $57.50 per 1000. 3 year old clumps, $8.75 per 100; $75.00 per 1000.

Chrysanthemum maximum King Edward, the finest and largest hardy White Marguerite, four F. C. C.'s and A. M., R. H. S., strong from ground, $8.75 per 100.

Lathyrus latifolius White Pearl, true from cuttings, flowers double the size of the old white variety, A. M., R. H. S., strong from ground, $16.25 per 100. Seedlings, not guaranteed, $12.50 per 100.

Buyers of **Begonias, Dahlias** and **Cannas** should see our catalogue and write for prices. Special terms for quantities.

THOMAS S. WARE, Ltd., FELTHAM, ENGLAND.
Formerly of Tottenham.

Please mention the American Florist when writing.

ROSES.

Heavy Native Grown Stock.

	Per doz.	100
Baby Rambler	$2.50	$20.00
Hermosa	1.65	12.50
Clothilde Soupert	1.65	12.50

Imported Roses

Extra Heavy Hybrid Perpetuals.

	Per 10	100
All leading varieties	$1.50	$12.50
Baby Rambler	2.00	17.50
Crimson Rambler	1.75	15.00

Hollyhocks.

A nice lot in separate colors...$7.50 per 100

PERENNIAL GARDENS CO., Toledo, O.

Please mention the American Florist when writing

NURSERY STOCK

All kinds of Hardy Nursery Stock.
Ask for prices.

KLEHM'S NURSERIES,
ARLINGTON HEIGHTS, ILL.

Specimen Nursery Stock.

Deciduous Trees and **Shrubs, Evergreens, Rhododendrons, Azaleas.**
Over one hundred (100) acres of the choicest varieties. Send for price list.

COTTAGE GARDENS COMPANY,
Queens, Long Island, New York.

Please mention the American Florist when writing.

TREES AND SHRUBS.

We make especially low prices on **Nursery Stock** to Parks, Cemeteries, etc. Wholesale price-list on application. We carry immense quantities of the finest named varieties of

PEONIES.

PETERSON NURSERY 503 W. Peterson Ave. CHICAGO, ILL.

Spireas, Azaleas, Rhododendrons, Etc.

SPIREA NANA COMPACTA, strong clumps in best condition.....$4.00 per 100.

AZALEA INDICA. Mme. Van der Cruyssen, Prof. Walters, Empress of India, Helen Thielman, Simon Mardner, at import prices to close:

12 to 14-inch crowns .....$45.00 per 100.
14 to 16-inch crowns..... 55.00 per 100.
16 to 18-inch crowns..... 90.00 per 100.

AZALEA MOLLIS. Fine forcing, bushy and full of buds.

12 to 15 inches high.....$25.00 per 100.
15 to 18 inches high..... 35 00 per 100.

RHODODENDRONS. Bushy, perfect plants, brightest and best we ever had; full of flower buds.
18 to 20 inches high.....$ 9 00 per doz.
20 to 24 inches high..... 12.00 per doz.

LATANIA BORBONICA, 4-inch pots, short and bushy.....$15.00 per 100.

KENTIA BELMOREANA, 5-inch, fine..... 60.00 per 100.

THE STORRS & HARRISON CO.

PAINESVILLE, - OHIO.

Please mention the American Florist when writing.

HIBISCUS SYRIACUS MEEHANII

WE now offer to the trade our new hardy variegated leaf Hibiscus Syriacus Meehanii. This plant attracted much attention when exhibited at the American Nurserymen's Convention at West Baden, Ind., and American Florists' Exhibition at Asheville, N. C. Foliage beautifully variegated; never sun-scalds or reverts to the green; flowers single, very large, satiny lavender; blooms during four months; prices on application. Orders booked now.

P. J. BERCKMANS CO., Inc., Fruitland Nurseries, AUGUSTA, GA.

MANETTI STOCKS

Especially for **FLORISTS'** use. Best French-grown.

First size, 5-10 mm..... 9.00 per 1000; 80.00 per 10,000
Newark prices: **duty paid.** For delivery in January. Order now and avoid disappointment.

ROSES, two years, field-grown, well-rooted.

DOROTHY PERKINS.....$ 8.00 per 100
CRIMSON RAMBLER ..... 10 00 per 100
HYBRID PERPETUALS, in good assortment .....$10.00 to 12.00 per 100

Send for our Wholesale Price List of Roses, Clematis, Flowering Shrubs, Conifers, etc.

JACKSON & PERKINS CO., Newark, Wayne Co., N. Y.

Roses.

101 best sorts. Own roots. 2½-in. and 4-in.
Get our price list. Send your want list.

THE LEEDLE FLORAL COMPANY SPRINGFIELD-OHIO

PEONIES.

Queen Victoria (Whitleyii), per 100....$ 9.00
Festiva Maxima, per 100..... 30.00
Fragrans, "Late Rose".....per 100. 6.00
Large stock of M. L. Rhubarb and Lucretia Dewberry Plants.
For 1000 rates and other varieties, write

GILBERT H. WILD, Sarcoxie, Mo.

Send to **THE MOON** Company
For Your { **Trees, Shrubs, Vines and Small Fruits.**
Descriptive Illustrated Catalogue Free
THE WM. H. MOON CO.,
Morrisville, Pa.

Rose Plants

ON OWN ROOTS.
NOW READY.

Get our list before buying.

C. M. NIUFFER, Springfield, Ohio.

Jacs Smits, Ltd.

NAARDEN, (Holland.

GROWERS OF
Rhododendrons, Axaleas, pot grown Shrubs for forcing, Lily of the Valley, Spiræa, Paeonias, Roses, Climbing Plants, good varieties of Conifers and all ornamental stock.

Personal Inspection Cordially Invited.
R. R. Depot, NAARDEN-BUSSUM, near Amsterdam.
Price list free on demand.

Please mention the American Florist when writing.

LARGE TREES.

OAKS and MAPLES.
PINES and HEMLOCKS.

ANDORRA NURSERIES,
Wm. Warner Harper, Prop.
Chestnut Hill, PHILA, PA

The American Florist Company's Directory of Florists, Nurserymen and Seedsmen of the United States and Canada.

(Copyrighted and Title Trade-Mark Registered.)

DIRECTORY REVISION.

We are revising our **Trade Directory** of the **Florists, Nurserymen, Seedsmen,** etc., of the United States and Canada, and as there have been many changes in firm names and considerable extension of the area under glass, nursery grounds, etc., you would greatly oblige by filling out this sheet.

When was business established?.....

Whom did you succeed?.....

Are you a Florist?.....

Grower?.....*Retailer?*.....

*How many square feet under glass?**.....

Are you a Nurseryman?.....

Wholesale?.....*Retail?*.....

How many acres operated?.....

Are you a Seedsman?.....

Dealer?.....*Grower?*.....

What are your specialties?.....

.....

Firm name.....

Proprietor's name.....

Manager's name.....

Street.....

Postoffice.....*State*.....

* ☞ To ascertain the number of feet under glass in a given house, multiply the length (145 feet) by the width (12 feet) and you have in that house 1,740 feet under glass, thus..... 145 × 12 = 1,740

Horticultural Supply Concerns.

We also list all lines of **Horticultural Supply Concerns,** such as manufacturers of

Greenhouse Building Materials, Boilers, Ventilators, Glass, Insecticides, Pots, Labels, Seed Bags, Fertilizers, Wire Designs, Tinfoil, Vases, Implements, Machinery, Sprayers, Seed Cases, Etc.

The specialties are also listed under these heads in the case of advertisers.

Advertising Rates.

Including Copy of New Edition.

Page (3½x6½ ins.)	$25.00
Half page (3½x3¼ ins.)	15.00
One-fourth page (3½x1⅝ ins.)	9.00

If there are any new firms or trade changes in your vicinity, please give the particulars here:

.....

.....

.....

☞ **PLEASE FILL IN THESE PARTICULARS AND MAIL THIS SHEET TO**

American Florist Company,

Directory Department. **324 Dearborn Street, CHICAGO.**

CARNATION CUTTINGS.

We have strong, healthy, well-rooted cuttings of the following varieties ready for immediate shipment:

	Per 100	Per 1000		Per 100	Per 1000
Victory	$6.00	$50 00	Lady Bountiful	3.00	25.00
Pink Patten	5.00	40.00	Enchantress	2.50	20 00
Variegated Lawson	4.00	30.00	Pink Lawson	1.50	12.50
White Lawson	3 00	25.00	Boston Market	1.50	12 50

We are also **HEADQUARTERS** for some of the best novelties for 1907. We can give you January delivery on **WINSOR,** one of the best novelties ever offered to the trade. We can also give you early delivery on **ARISTOCRAT,** the coming dark pink carnation.

JENSEN & DEKEMA, Carnation Specialists,

674 W. Foster Ave., CHICAGO.

Soft Wooded Plants

READY NOW.

	R.C. 2½-in.
Alternantheras, red and yellow	$3.50
Begonias, 10 varieties	5.00
" Extra — Rex. Rubra and Manicula Aurea	5.00
Coleus, red, yellow and mixed	$1.00 3.00
Daisies, Paris	2.00 3.50
" Queen Alexandria	3.00 5.00
" Anthemis, yellow	5.00 7.50
Feverfew	2 00 3.50
Fuchsias, 4 varieties	5.00
Lantanas, mixed and weeping	2.00 3.50
Geraniums, red and white	3.50
" pink and salmon	2.00 3.50
" Mme. Salleroi	2.00 3 50
" Ivy, 3 varieties	5.00
Heliotrope	2.50 5.00
Petunias, 4 varieties	3 00 5.00
Salvias	2.00 3.50
Sw. Alyssum	2.00 3.50
Verbenas	

Vincas, finest stock, now in 4-in. pots, $1.50 per doz. Order quick.

CINERARIAS. Order now for Easter blooming.

	2½-in.	3-in.	4-in.
Finest strain	$5.00	$8.00	$12.50
Cyclamen		8 00	15.00
Chinese Primroses	5.00	8.00	12 50
Obconica "	5 00	8 00	12.50
Baby "	5.00	8 00	12.50

Don't forget that we are headquarters for **Ferns** of all kinds.

We have all the above in bloom now, and will have until Easter, or at least until sold out.

Ask for **Rose, Carnation** and **Canna** list.

GEO. A. KUHL, Pekin, Ill.

Please mention the American Florist when writing.

Roses! Cannas! Violets!

ROSES—We have in stock upwards of 1000 different varieties, consisting of the very latest European varieties, as well as all the leading varieties of American origin. Stock from 2½, 4 and 5-inch pots all on own roots. Ask for catalogue.

CANNAS—40 leading varieties, **$10.00** per 1000 and upwards. Write for list and prices. Louisiana Canna **$8.00** per 100.

VIOLETS—Lady Hume Campbell, Princess of Wales, Swanley White, Admiral Avellan and Luxonne; nice strong plants, from 2½-inch pots, **$3.50** per 100; **$30.00** per 1000.

Clematis Paniculata, 2-year-old, field-grown stock strong plants, per 100, $7.00; per 1000, $65.00

Cissus Discolor, nice plants, from 2½-inch pots, per 100, 4 00

Cyperus Gracilis, from 2½-in. pots, per 100 3.50

Weeping Lantana, from 2½-in. pots, per 100, 3.50

Viburnum Plicatum, and a complete list of hardy shrubs, vines and miscellaneous plants of all kinds. Send us your list for prices. Ask for catalogue—it's free. Address

The Dingee & Conard Co. Rose Growers, WEST GROVE, PA

ESTABLISHED 1850. 70 GREENHOUSES.

Advertisers send copy early for best service...

PRIZE-WINNING

ROSES AND CARNATIONS

Roses.

The New Rose "Morton Grove," winner of the Silver Cup at Chicago Flower Show, 1906, for best new rose, will be disseminated in 1908.

	R. C. 2½-in. Per 1000	2½-in. 100	3½-in. Per 1000	
Beauties (2 or 2½)	$25.00	$6.00	$55.00	(3) $75.00
Maids	18.00	4.50	40 00	55.00
Brides	18.00	4.50	40 00	55.00
Gates	18.00	4.50	40.00	55.00
Uncle John	18.00	4.50	40.00	55.00
Chatenay	18 00	4.50	40.00	55.00
Richmond	20.00	4.50	40.00	55.00
Perle	20.00	5.00	45.00	60 00
Sunrise	20.00	5 00	45.00	60.00
Kate Moulton	20.00	5 00	45 00	60 00
Rosalind Orr English	20.00	5 00	45.00	60 00
Kaiserin Augusta Victoria	4.50	40 00		55 00

Carnations.

	Rooted Cuttings 2½-in. per 100	per 1000	per 100
White Lawson	$3.00	$25.00	$4.00
Lady Bountiful	3.00	25.00	4.00
L. Peary	3.00	25,00	4.00
Gov. Wolcott	2.50	20.00	3.50
Pink Lawson	2.00	17.50	3.00
Enchantress	3.00	25.00	4.00
Victory	6 00	50.00	7 00
Cardinal	3.00	25.00	5.00
Red Lawson	4 00	35.00	5.00
Mrs. Martin	2.00	18.00	3.50
Prosperity	2.50	20.00	3.50
Patten	2.00	....	...
Variegated Lawson	4 00	35.00	5 00
Glendale	5.00	....	6.00
Craig	5.00	40.00	6.00

FROM HEALTHY STOCK.

POEHLMANN BROS. COMPANY, Morton Grove, Ill.

Please mention the American Florist when writing

CARNATION IMPERIAL

Variegated seedling, pink shade similar to Enchantress, and a deeper pink. Flowers 3 4 inches, strong calyx, good stems, early, free and a continuous bloomer.

PINK IMPERIAL.

A sport of Imperial, of a pleasing pink shade that has long been wanted.

My own origination. To be disseminated in 1907. Place your order at once.

PRICES.—Selected cuttings, delivery commenced in December, 1906, **$2.50** per dozen; **$12** per 100; **$100** per 1000; 50 at 100 rates; 250 at 1000 rates. 5 per cent discount for cash with the order.

JOHN E. HAINES, Bethlehem, Pa,

Please mention the American Florist when writing.

ASPARAGUS PLUMOSUS

Exceptionally fine stock from 3-in. pots, $5.00 per 100.

ASPARAGUS SPRENGERI, from 3½-in. pots, $6 00 per 100.

Write for price on large lots.

SCHARFF BROS., Van Wert, Ohio.

Please mention the American Florist when writing

GRAFTED ROSES

On Dickson's Irish Manetti.

We are now booking orders for March delivery.

KAISERIN, BRIDE, BRIDESMAID, KILLARNEY and **RICHMOND,**

$120.00 per 1000. Order now.

Robert Scott & Son, SHARON HILL, Del. Co., Pa.

Please mention the American Florist when writing

BEAUTIFUL NEW PINK ROSE

AURORA

See announcement and full description in American Florist, December 15, issue, page 1031.

PAUL NIEHOFF, Lehighton, Pa.

CARNATION NUMBER NEXT WEEK. SEND ADVTS. NOW.....

ARAUCARIAS

OUR SPECIALTY.

Araucaria Compacta Robusta or A. E. Glauca

(the size and kind I grow). You will be surprised at the effect that it will make on the table or wherever it is placed. The plants I have are as perfect as nature could produce. The brush of an artist could not paint them any better, and prices are cheap. Just look:

6 to 7 in. pots, 4, 5 to 6 years old, 4, 5 to 6 tiers, 25 to 30 in. high and wide, $1.50, $1.75, $2.00 to $2.50 each.

EXCELSA GLAUCA, 5 years old, 7-in. pots, specimen plants, 6 to 7 tiers, 30 to 35 in. high and wide (you never saw anything better in your life than these are), $2.00, $2.50 to $3.00 each; 6-in. pots, 3 years old, 3, 4 to 5 tiers, 16 to 20 in. high and wide, $1.00 to $1.25 each.

ARAUCARIA EXCELSA, 6-in. pots, 5, 6 to 7 tiers, 4 years old, 25 to 30 in. high, $1.00, $1.25 to $1.50.

KENTIA FORSTERIANA, 7-in. pots, made-up plants, 1 large size, about 45 to 48 in. high in the center, and 3 smaller sizes, 25 x 30 in. high around, which gives them a good appearance, $2.00 to $2.50 each; 6-in. pots, single plants, 36 to 45 in. high, 5 to 6 good leaves 4 years old, $1.25, $1.50 to $1.75 each; 6-in. pots, 32 to 36 in. high, 5 to 6 good leaves, 4 years old, $1.00 each; 5½ to 6 in. pots, 4 years old, 30 in. high, 5 good leaves, 4 years old, 75c.

DRACAENA BRUANTI, (imported), 30 in. high, full of green, waxy foliage from top to bottom; the only Dracaena for parlor, store or house culture, that can stand heat, dust and dirt; 6-in. pots, 50c, $5.00 per doz.

BOSTON FERNS, 7-in., very bushy, only 75c; 6-in., 50c or $5.00 per doz.; 5-in., 30c to 35c; 4-in., 20c

NEPHROLEPIS SCOTTII, 8-in., as big as a washtub, worth $3.00, now $1.50; 7-in., as big as a bushel basket, worth $1.50, now 75c to $1.00; 6-in., 50c; 5¼-in., 40c; 5-in., 30c to 35c; 4-in., 20c to 25c.

NEPHROLEPIS BARROWSII, 7 in. pots, as big as a bushel basket, 75c to $1 00 each; 6-in. pots, large, ready for 7-in., 50c; 5½-in., 40c; 5-in., 35c; 4-in., 25c.

AZALEAS, in bloom and bud, Simon Mardner, double pink; Vervæneana double rose variegated; Deutsche Perle, double white, 75c, $1.00, $1.25 to $1.50 each.

CINERARIA HYBRIDA, H. F. Michell's best strain, 2½-in. pots, $4.00 per 100; 3-in., large plants ready for 5½ or 6-in. pots, $7.00 per 100; 4-in., $10.00 per 100.

ARECA SAPIDA, 6-in., 50c each.

CASH WITH ORDER. All plants must travel on **purchaser's risk only.**

When ordering, say whether the plants should be shipped in the pots or not.

GODFREY ASCHMANN,

Importer and Wholesale Grower of Pot Plants.

1012 Ontario St., PHILADELPHIA, PA.

DAHLIAS.

Now is the time to place your order for Bulbs which will insure you getting named varieties in any quantity; delivery to be made this fall or early spring.

DAVID HERBERT & SON,

Successors to L. K. Peacock, Inc., **ATCO, N. J.**

Please mention the American Florist when writing.

White Enchantress Carnation

White Sport of Enchantress.

ROOTED CUTTINGS—$12 per 100; $100 per 1000.

E. SCHRADER,

NEW SPRINGVILLE, Richmond Borough. **New York**

Please mention the American Florist when writing.

LARGEST STOCK OF ALL

Belgian Plants.

AZALEAS, ARAUCARIAS, SWEET BAYS, PALMS, BEGONIAS, GLOXINIAS, ETC.

Louis Van Houtte Pere,

GHENT, BELGIUM.

NEW CANNAS.

WILLIAM SAUNDERS The flowers are large, of splendid form, and are borne very freely in immense clusters. The color is a deep rich, shining scarlet slightly dappled with crimson. Foliage is a rich bronze. Height 3½ to 4 feet. We believe that **William Saunders** is decidedly the most perfect canna of this type that has been introduced.

50c each; **$5.00** per doz.; **$35.00** per 100.

OTTAWA is a strong grower, very robust and 5 to 6 feet high. The flowers are large and beautifully formed; color is carmine with tints of old rose and deep coral, add to this the silken sheen and you can imagine the effect a few plants will produce.

NOTE: We had this canna on trial among the Canadian experimental stations last summer and this is the official report of their expert: "Quite distinct and one of the most beautiful shades of color I ever saw in cannas. Of 70 massed in one bed during the past season, this was the most floriferous in the collection, coming into bloom early and continuing until cut down by frost, as many as 13 expanded heads of bloom being counted at one time on a plant, and not a poor one among them, all being of immense size.

50c each; **$5.00** per doz.; **$35.00** per 100.

NEW YORK Has the orchid type of flower. They have much more substance than the flowers of the other varieties of this class, and will stand the hot sunshine as well as the toughest varieties of cannas. The color is a solid, rich scarlet covered with a beautiful glowing sheen. The flowers are large and contrast beautifully with the dark bronze foliage.

50c each; **$5.00** per doz.; **$35.00** per 100.

Send for our list and prices of 60 other leading varieties of cannas.

ROSES **Are our great specialty.** 2¼ and 4-inch pot plants we have in great variety. **Philadelphia** Rambler, Crimson Rambler, Dorothy Perkins, and other climbers in strong field plants.

SHRUBBERY in variety. **Viburnum Plicatum,** Spireas, Altheas, Honeysuckles, etc.

SEND FOR OUR PRICE LISTS.

THE CONARD & JONES CO., West Grove, Pa.

POT GROWN STOCK FOR EASTER FORCING

	Per doz.	Per 100
AZALEA MOLLIS, 15-18 in. high, 20-30 buds	$ 4 50	$35 00
AUCUBA JAPONICA, variegated, bushy plants, 2 feet high	5 00	
DEUTZIA Gracilis, 6-in. pot grown, only kind to force	1 50	12 00
" Lemoine, pot grown, for forcing	2 50	20 00
MAGNOLIA Halleana 2 feet with buds	$1 50 each	15 00
" Soulangeana, 4 feet with buds	1 75 each	18 00
RHODODENDRONS, all the best kinds and colors, in bushy, well shaped plants, and what is more important, every plant contains 10-15 well developed buds	1 25 each	12 00
HYBRID ROSES, all the best kinds, 2-year dormant		11 00
CRIMSON RAMBLER, extra select, 2 year-old, 3-4 feet canes		12 00
" " " " 3-year-old, 4-5 feet canes		15 00
FRAU KARL DRUSCHKE, the new white rose, strong 2-year-old, field-grown	2 00	15 00
AM. BEAUTY, strong dormant 2-year old	2 00	15 00
KAISERIN AUG. VICTORIA, strong dormant 2-year-old	2 00	15 00
BABY RAMBLER, strong dormant 2-year old	3 00	25 00
" " " 1-year-old	2 00	15 00
LA FRANCE, strong dormant 2-year-old	2 00	15 00
GRUSS AN TEPLITZ, strong dormant 2-year-old	2 00	15 00

MANETTI STOCKS for grafting; extra fine quality; sure to please.
French stock ..... $1 50 per 100; $12 00 per 1000; $50 00 per 5000; $ 80 00 per 10000
English stock ..... 2 00 " 15 00 " 60 00 " 100 00 "

VAUGHAN'S SEED STORE, 84-86 Randolph St., CHICAGO. 14 Barclay St., NEW YORK.

Greenhouses and Nurseries: Western Springs, Ill.

GOV. HERRICK THE COMING VIOLET

One that produces three times as many flowers as any violet ever offered for sale. It will please you. Order at once. Prices: $2.00 per doz.; $10.00 per 100; $75.00 per 1000; 5,000 or more at $60.00 per 1000. Send for description today.

H. R. CARLTON, Willoughby, O.

INTRODUCER and ORIGINATOR.

'Mum Stock Plants

Order quick. **Jeanne Nonin** and **Golden Chadwick,** $4.00 per 100. Have still lots of Nonin flowers.

Klehm's Nurseries ARLINGTON HEIGHTS, ILL.

Please mention the American Florist when writing.

ORCHIDS

Now is the time to place your order for freshly imported Orchids delivered next spring. Our facilities for handling large consignments are second to none. Prices are very low, quality considered. Fine stock of established Orchids on hand.

CARILLO & BALDWIN, Secaucus, N. J.

Cattleya Mossiæ.

Can make exceptionally low prices on this fine Cattleya for delivery next spring and summer. Write for prices, etc.

L. A FENNELL, Cythiana, Ky.

Up to Date Directory

Giving all the Country's { Florists, Seedsmen, Nurserymen

PRICE $2.00.

500,000 VERBENAS

60 Finest Named Varieties.

Rooted Cuttings, 75c per 100; $6.00 per 1000
Plants, $2.50 per 100; $20.00 per 1000.

Our list is the choice from millions of seedlings. Order early.

The floral and plant business of the late Mr. J. L. Dillon will be continued under his name by his executors.

LOUISE H. DILLON, ALICE D. FURMAN } Executors.

J. L. DILLON, Bloomsburg, Pa.

Please mention the American Florist when writing.

FERNS. Extra Fine and Cheap.

FROM BENCH. Boston, 3-inch, 5c; 4-inch, 10c; Elegantissima, 3-inch, 10c.; 4-inch, 15c; 6-inch, 25c; Elegantissima Runners, fine stock, $1.50 per 100. **FLOWERING BEGONIAS,** 8 kinds, 2-inch, 2½c.

Rooted Cuttings, per 100 prepaid.

Fuchsia, 5 kinds, $1.25; **Salvia,** Bonfire, Spendens, 90c; **Vinca Var.,** 90c; **Dbl. Petunia,** 10 kinds, $1.00; **Heliotrope,** 3 kinds, $1.00; **Ageratum,** White, Pauline, Gurney, 60c; **Paris Daisy,** Giant White, Yellow $1.00, Alexandra, $1.25; **Swainsona alba,** $1.00; **Alternanthera,** 3 kinds, 50c; **Flowering Begonias,** 8 kinds, $1 25; **Rex Begonias,** 20 kinds, mixed, $1.25. Cash or C. O. D.

BYER BROS., Chambersburg, Pa.

70,000 Alternanthera Brilliantissima

And **Red** and **Yellow**, at 60c per 100; $5.00 per 1000. Sept struck, very strong. **Coleus,** 30 of the best select vars., 70c per 100, $6.00 per 1000. **Heliotrope,** R. C., 12 best vars., $1.00 per 100, $8.00 per 1000. **Ageratums,** Stella Gurney, P. Pauline and Snowball, the great white one, 60c per 100, $5.00 per 1000.

Express prepaid on all rooted cuttings. Satisfaction and safe arrival guaranteed.

C. HUMFELD, Clay Center, Kansas.

Mosbaek Greenhouse Co.

ONARGA, ILL.

Asparagus Pl. Na. and Spreng., 2, 2½, 3 and 4 in., $2.00, $2.50, $5.00 and $8.00 per 100.

Ferns Boston, Piersoni and Anna Foster, 2¼, 3 and 4 in., $3.00, $6.00 and $12.00 per 100; 6-in., $4.00; 8-in., $10 00; 10-in., $20.00 per doz. Piersoni Elegantissima and Scottii, fine runners, $40.00 per 1000; Boston, $20 00 per 1000.

150,000 Cannas in 35 var. List mailed

50,000 Hardy Perennials Field and pot grown.

FERNS and BOXWOODS

Bushes for Window Boxes, from top of root ball, 12 to 20 inches high.....$0.75 a pair
24 inches high..... 1.00 a pair
Pyramids, 3 ft. high.....$2.00 and 3.00 a pair
" 4 ft. high..... 3.00 and 4.00 a pair
" 4 ft. 6 in. high..... 5.00 a pair
" 5 ft. high..... 7.00 a pair

Anton Schultheis, 19th St. and 4th Ave., College Point, L. I., N. Y.

Palms and Ferns.

Write for price list.

THE GEO. WITTBOLD CO.

1657-1659 Buckingham Place, CHICACO.

CARNATION JOHN E. HAINES.

The leading scarlet, brilliant color, fine stem, the most productive ever introduced; blooms early until thrown out in July; no extra grass. All shoots make flowers. Watch the papers and see what growers have to say about it. None but well-rooted, healthy cuttings leave the place.

Rooted cuttings ready December 15, 1906. Price $6.00 per 100; $50.00 yer 1000.

JOHH E. HAINES, Bethlehem, Pa.

CARNATIONS.

WELL ROOTED CUTTINGS. HEALTHY STOCK.

PINK.	Per 100	1000
Lawson	$1.50	$10.00
Nelson	1.50	10.00
Nelson Fisher, cerise	2.00	17.50
LIGHT PINK.		
Enchantress	$2.00	$17.50
VARIEGATED.		
Mrs. Patten	$2.00	$17.50

WHITE.	Per 100	1000
Boston Market	$1.25	$10.00
Lady Bountiful	2.00	17.50
White Lawson	3.00	25.00
RED.		
Robert Craig	$6.00	$50.00
Cardinal	2.50	20.00
Estelle	2.00	17.50

ROSES.

STRONG AND WELL ROOTED CUTTINGS.

	Per 100	1000
Richmond	$1.50	$12.50
Liberty	2.00	17.50
Bridesmaid	1.50	12.50
Bride	1.50	12.50
Sunrise	3.00	25.00

	Per 100	1000
Uncle John	$1.50	$12.50
Chatenay	1,50	12.50
Ivory	1.50	12.50
Perle	2.00	17.50

Bench Plants. One year old plants from benches. Liberty, Perle, Ivory, ready now, $5.00 per 100, $40.00 per 1000. American Beauty, March delivery, $10.00 per 100, $75.00 per 1000.

PETER REINBERG,

51 Wabash Avenue, CHICAGO.

Please mention the American Florist when writing.

OUR TRAVELERS

C. W. Scott, **Wm. Niel Campbell,**
Horace Cheeseman, **Roman J. Irwin,**
J. B. O'Neil, **Jas. B. McArdle.**

Are NOW making their regular winter trips and will call on most of the trade in the near future in our interest. Kindly await their arrival before placing your seasonable orders.

With New Year's Greetings.

VAUGHAN'S SEED STORE,

CHICAGO. NEW YORK.

Please mention the American Florist when writing.

Queen Beatrice Rose.

Four to one shot. Four times as many flowers as Maid.

F. H. KRAMER, 916 F St., WASHINGTON, D. C.

WANTED.

A Few Hundred Geraniums

Nutt, Beaute Poitevine, and a good white, in R. C., 2¼ or 3-in.

JOHN M. BELL, Glencoe, Ill.

Saves Many Times
ITS PRICE.

$2.00

Postpaid to any address.

THE AMERICAN FLORIST COMPANY'S DIRECTORY saves many times its price to every one who catalogues or circularizes the trade. Fully revised to date of publication, it puts the mail only to live names, avoiding waste of postage and printed matter, time and labor.

Contains 476 pages, lists of Florists, Seedsmen and Nurserymen of the United States and Canada by states and towns, also alphabetically; firms that issue catalogues, foreign merchants, horticultural societies and much other up-to-date information which makes it a reference book of daily utility wherever a wholesale trade is done.

Published annually by the

American Florist Co.

324 Dearborn Street, CHICAGO.

FERNS, PALMS,

ARAUCARIA EXCEL.,

ASPIDISTRA,

Green and Variegated.

BAY TREES and PRIVET,

Fine, Strong Stock.

R. DREYER, WOODSIDE, L. I., N. Y.

Please mention the American Florist when writing.

Rooted Carnations

Come an see the healthiest stock in America.

Our new King Construction truss house is a success, 31x300 feet, and good judges tell us we have the healthiest lot of Lawsons in America.

25,000 WELL-ROOTED CUTTINGS

now ready in the best possible shape at the lowest market price. We have pink, white and variegated Lawsons, Mrs. Patten, Candace, Melody, White Perfection, Lady Bountiful, Boston Market, White Cloud, Robt. Craig, Victory, Cardinal, Enchantress and Rose Pink Enchantress.

Write for special prices on large lots.

W. W. COLES, Kokomo, Ind.

MABELLE, New Pink Carnation for 1907.

Color—A peculiar shade of lovely pink, with a faint yellowish cast; several shades lighter than the Lawson. Unlike most pinks, the brightest sun does not injure the color. Size—3 to 4 inches in diameter when established. Odor—Pleasing, but not strong. Stems—Invariably strong, but always graceful, ranging from 12 to 30 inches during the season. Habit, etc.—A very quick, active grower, making specimen plants in a short time, even from late cuttings. On account of its rapid growth, requires supporting very soon after benching. Gets away rapidly, blooms early and gives long stems right from the start. Productiveness—Prodigious is the best word we know of to use here. It is the most incessant bloomer, early and late, we have ever grown. Stock limited. Delivery January 5 to 10 and later. Price, $12.00 per 100, $100.00 per 1000.

THE H. WEBER & SONS CO., Oakland, Md.

Please mention the American Florist when writing.

ROOTED CUTTINGS

PELARGONIUMS, 15 var. named, $2.25 per 100.
BEGONIAS, $1.50 per 100.
VERBENAS, 60c per 100; $5.00 per 1000.
COLEUS, 70c per 100; $6.00 per 1000
HELIOTROPE, $1.00 per 100; $8.00 per 1000.
PETUNIAS, double, $1.25; $10.00 per 1000.
AGERATUMS, 60c per 100; $5.00 per 1000.
SALVIAS, $1.00 per 100; $8.00 per 1000.
ALYSSUM, double, $1.00 per 100; $8.00 per 1000.

Express prepaid. Cash with orders. Write

S. D. BRANT, Clay Center, Kan.

ALL Nurserymen, Seedsmen and Florists wishing to do business with Europe should send for the

"Horticultural Advertiser"

This is the British Trade Paper, being read weekly by all the Horticultural traders; it is also taken by over 1000 of the best continental houses. Annual subscription to cover cost of postage 75c; Money orders payable at Lowdham, Notts.

Address **Editors of "H. A."**

Chilwell Nurseries, LOWDHAM, Notts, England

Rooted Rose Cuttings.

Strong well-rooted cuttings, Bride, Maid, Golden Gate, Chetenay, $1.50 per 100; $12.50 per 1000. Richmond, $2.00 per 100; $18.00 per 1000.

Asparagus Plumosus, 2¼, $3.00; 3-in., $5.00. Sprengeri, 3-in., $4.00.

W. H. GULLETT & SONS, Lincoln, Ill.

GERANIUMS

AND OTHER GREENHOUSE PLANTS.

Send for our Wholesale Catalogue: it contains descriptions and prices of 75 of the best standards and 100 of the best novelties in Geraniums.

Alliance (1905), hybrid ivy-zonal, lilac white, maroon marking, 25c each; $2.50 per doz.
Caesar Frank (1905), ivy leaved, double flowers, soft rec't crimson 25c each; $2.50 per doz.
Eugene Sue (1905), single, brilliant orange scarlet, $1.50 per doz.; $10.00 per 100.
Justo Oliver (1905), single, soft crimson rose, $1.50 per doz.; $10.00 per 100.
Cactus Geraniums, in four varieties, 20c each; $1.50 per doz.
Colossus, semi-double dark, rich, velvety crimson, $1.00 per doz.; $6.00 per 100.
Double Dryden, double, white eye shading to soft crimson edge, 75c per doz.; $4.00 per 100.
E. H. Trego, double, rich dazzling scarlet, an ideal pot variety, 75c per doz.; $4.00 per 100.
Tiffin, single, rich glowing scarlet, $2.00 per doz.; $10.00 per 100.
Fleuve Blanc, semi-double, white Bruant, $1.50 per doz.; $10.00 per 100.
Centaure, double, beautiful rose pink, 40c per doz.; $2.00 per doz.
Jean de la Brete, double, rosy carmine, marble white in the center, 50c per doz.; $3.00 per 100
El Cid, double, dark velvety crimson 40c per doz.
Miss Kendall, double, dark cerise, 40c per doz.; $2.00 per 100.
Snowdrop, single, pure white, 50c per doz.; $3.00 per 100.

MISCELLANEOUS PLANTS.

	Doz.	100
Ageratum, Inimitable, giant blue, Stella Gurney and Dwarf White.	$0.50	$3.00
Alternantheras, red and yellow, six varieties	.40	2.00
Coleus, Verschaffeltii, Golden Bedder and ten other varieties	.40	2.00
Dahlia Roots, whole field clumps	1.00	6.00
Fuchsias, Minnesota, Lieutenant, Minister Bucher, Black Prince, Speciosa, Elm City and other var.	.50	2.50
Hardy English Ivy, strong plants.	.40	2.00
Lemon Verbena, Aloysia Citriodora	.40	2.00
Lantanas, good assortment	.40	2.00
Petunias, double fringed, mixed	.50	2.50
Panicum, variegation	.40	2.00
Parlor Ivy, Senecio Scandens	.40	2.00
Tradescantia, dark variegated	.40	2.00
Sage, Holt's Mammoth	.40	2.00

— CASH WITH ORDER. —

A cordial invitation is extended to all interested in Horticulture to visit us. Cowenton Station, Philadelphia division, B. & O. R. R., 12 miles north of Baltimore.

R. VINCENT, Jr. & SON, White Marsh, Md.

ROOTED CUTTINGS. Roses and Carnations.

ROSES.	Per 100	Per 1000
Bride	$1.50	$12.50
Bridesmaid	1.50	12.50
Chatenay	1.50	12.50
Richmond	1.50	12.50
Perle	2.50	20.00
American Beauty	3.00	25.00

CARNATIONS.	Per 100
Enchantress	$2.50
Bountiful	2.50
Wolcott	1.50
Lawson	1.50
Queen	1.50
Harlowarden	2.00

Our cuttings are all strong, healthy and well rooted. All cuttings shipped from Hinsdale.

BASSETT & WASHBURN,

Office: 76 Wabash Ave., Chicago. Greenhouses: Hinsdale, Ill.

Please mention the American Florist when writing

Directory of Gardeners

—AND—

Estates Employing Gardeners

—IN THE—

UNITED STATES and CANADA.

Price $5, Cash With Order.

AMERICAN FLORIST CO. 324 DEARBORN ST., ... CHICAGO.

BEST ENGRAVINGS and ILLUSTRATIONS

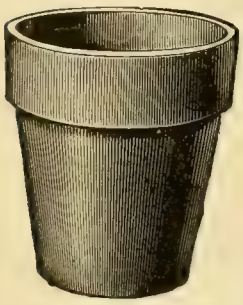
—Of Every Description—

FOR CATALOGUES.

SEE OUR WORK IN THIS PAPER. SEND FOR ESTIMATES.

GLOBE ENGRAVING and ELECTROTYPE CO.

407-427 Dearborn St., CHICAGO.



The Whilldin Pottery Co.

STANDARD FLOWER POTS

Our output of Flower Pots is larger than any concern in the World
Our Stock is always Large and Complete

Main Office and Factory,
713 WHARTON STREET, PHILADELPHIA
WAREHOUSES: JERSEY CITY, N. J. LONG ISLAND CITY, N. Y.

Clipper Lawn Mower Co. DIXON, ILL.

The Mower that will **kill all the Weeds in your Lawn.** If you keep the weeds cut so they do not go to seed and cut your grass without breaking the small feeders of roots, the grass will become thick and the weeds will disappear.

The Clipper will do it. Ask your dealer for them. If they have not got them, below is the price: No. 1—12-inch Mower, $5; No. 2—15-inch Mower, $6; No. 3—18-inch Mower, $7; No. 4—21-in. Mower, $8. Send draft money-order or reg. letter.

THE KELLER POTTERY COMPANY,

Manufacturers of FLORISTS' RED STANDARD POTS.
Azalea Pots, Bulb and Fern Pans, Etc.
Write for Price List. 213-15-17-19-21-23 Pearl St., **NORRISTOWN, PA.**

Ionia Clay Gives Quality to the Ionia Pot.

Extreme strength and porosity are rarely found in the same flower pot. Some are hard and flinty, like stone, and without porosity; others are extremely porous, but without strength. **The IONIA POT is extremely strong and porous.** Breakage rarely occurs in shipping. Our word for it (backed by hundreds of florists) that you will be a permanent patron, if we may have your next order,

IONIA POTTERY COMPANY, Ionia, Mich.

TWIN CITY POTTERY MFG. CO.,

Successors to J. G. Swahn's Sons,

—MANUFACTURERS OF—

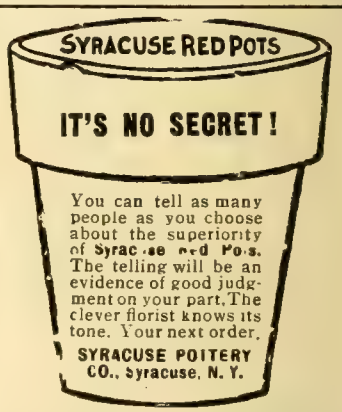
Garden Vases, Flower Pots, Hanging Baskets.
Let us figure on your needs

Both telephones. **2406 Marshall Street, N.E., MINNEAPOLIS, MINN.**

THE BEST Bug Killer and Bloom Saver.

For **PROOF** Write to

P. R. PALETHORPE COMPANY,
LOUISVILLE, KY.



Standard Flower Pots!

Packed in small crates, easy to handle.

	Price per crate		Price per crate
1500 2-in., in crate,	$4 88	120 7-in., in crate,	$4 20
1500 2¼ "	5.25	60 8 "	3.00
1500 2½ "	6.00	HAND MADE.	
1000 3 "	5.00	48 9-in., in crate,	$3.60
800 3½ "	5.80	48 10 "	4.80
500 4 "	4.50	24 11 "	3.60
320 5 "	4 51	24 12 "	4.80
144 6 "	3.16	12 14 "	4.80
		6 16 "	4.50

Seed pans, same price as pots. Send for price list Cylinders for Cut Flowers, Hanging Baskets, Lawn vases, etc. Ten per cent off for cash with order. Address

HILFINGER BROS. POTTERY, Fort Edward, N. Y
or AUGUST ROLKER & SONS, New York Agents,
31 Barclay Street, New York City.

GEO. KELLER & SON,

MANUFACTURERS OF

FLOWER POTS.

Before buying write for prices.
361-363 Herndon Street,
near Wrightwood Ave.,
CHICAGO, ILL.

STANDARD FLOWER POTS

No Charge for Crates or Packing.

Inches	per 1000	Inches	per 100
1½	$ 2.77	7	$ 4 00
2	3.33	8	6 00
2½	3 88	9	8.88
3	5 27	10	13 33
3½	6.10	12	22.22
4	7 77	14	38 88
4½	10.00	16	66 66
5	13 88	20	each, 1.25
6	22 20		

Azalea Pots and Bulb Pans same as **Standard Pots.** 2 and 2½-in. Rose Pots, $3 88 per 1000. These pots are **carefully made,** very strong and porous. Liberal count is given, thereby protecting our patrons against possible breakage. **Above prices subject to 10 per cent. discount for cash.**

A. F. KOHR, 1521-23.25 N.Leavitt St., Chicago.

Kramer's Pot Hangers

For Sale by Wholesale Seedsmen, Florists and Supply Dealers.

Price, $1.00 per dozen by express. Sample dozen by mail, $1.25.

L. N. Kramer & Son, CEDAR RAPIDS, IOWA.

Please mention the American Florist when writing

Those Red Pots

"STANDARDS"

FULL SIZE AND WIDE BOTTOMS,
BULB PANS AND AZALEA POTS.

DETROIT FLOWER POT M'F'Y.
HARRY BALSLEY, Rep. DETROIT, MICH. 490 Howard St.

Red Standard Flower Pots

Price list and samples on application.

PADUCAH POTTERY CO., Inc.
PADUCAH, KENTUCKY.

CARNATION NUMBER NEXT WEEK.

SEND ADVTS. NOW.

Tobacco Paper "NICO-FUME" LIQUID

IS THE STRONGEST, BEST PACKED, EASIEST APPLIED.

OVER 40% NICOTINE.

By far the CHEAPEST.

Furnishes the Most Nicotine for the Money!

24 sheets	$ 0.75
144 sheets	3.50
288 sheets	6.50
1728 sheets	35.10

JUST NOTE PRICES!

Pint	$ 1.50
½ Gallon	5.50
Gallon	10.50
5 Gallons	47.25

Manufactured by THE KENTUCKY TOBACCO PRODUCT CO., Louisville, Ky.

BOXES! BOXES!

Light Wood Cut Flower Boxes.

SIZES IN STOCK:

	Per 100
3x 4x20	$ 4.00
3x 5x24	4.50
3x 7x21	4.50
6x 6x24	6.80
4x12x24	9.00
6x12x24	10.50
6x12x30	12.50
5x12x36	14.00
6x12x36	15.00
6x15x42	20.00
6x15x48	23.00

Write for samples.
Special prices in car-load lots.

GETMORE BOX FACTORY, Inc.
BELLEVILLE, ALA.

Please mention the American Florist when writing

NICHOLAS WAPLER,
50 Barclay St., NEW YORK,
Manufacturer and Importer
TERRA COTTA
Grass Growing Heads and Animals
in different sizes and designs.
FISH GLOBES, FISH TANKS, AQUARIA,
FRENCH GLASS SHADES, round, oval and square, for covering statues, flowers, clocks and all kinds of ornaments.
Write for catalogue and prices.

IMPORTED HYACINTH GLASSES, Tall and Tye's Shape; Assorted Colors.

The James H. Rice Co.
IMPORTERS and JOBBERS
GREENHOUSE GLASS
A SPECIALTY.
Window Glass, Paint, Putty, etc.
Office and Warehouse: Corner of Michigan, St. Clair and Illinois Streets, CHICAGO.

GLASS

GOOD BRANDS.
QUICK SHIPMENTS.
LARGE STOCK.

Warehouse on railroad switch. Be Sure and Get Our Prices.

SHARP, PARTRIDGE & CO.,
22nd and Lumber Sts., CHICAGO.

Please mention the American Florist when writing.

HASCO LIQUID NICOTINE FOR SPRAYING AND VAPORIZING.
15% Stronger Than Any Made.
Pts., $1.35 Half Gal., $5.25. Gal. $10.00
THE H. A. STOOTHOFF CO., 116 West St., NEW YORK.

RHODES DOUBLE CUT PRUNING SHEAR

PAT.

Cuts from both sides of limb and does not bruise the bark. We pay Express charges on all orders. Write for circular and prices.

RHODES MFG. CO.
Dept. 3. GRAND RAPIDS, MICH.

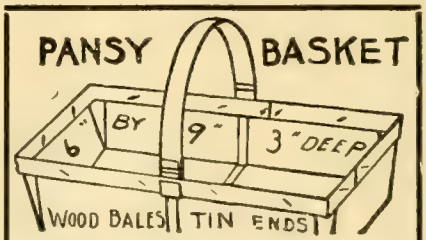
Please mention the American Florist when writing.

Greenhouse Material

Made of clear Gulf Cypress is what we manufacture. We supply everything for your houses and your carpenter does the rest with the working plans we furnish. Let us figure on your requirements. We can save you money.

S. JACOBS & SONS,
1365-79 Flushing Ave., BROOKLYN, N. Y.

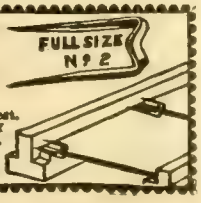
PANSY BASKET



Six fit in bushel box to pack one upon another for shipping. Wood or wire handle: 100 samples, $1.10.
SEAVER BASKET CO., Medford, Mass.

Please mention the American Florist when writing.

Holds Glass Firmly
See the Point
PEERLESS
Glazing Points are the best. No rights or lefts. Box of 1,000 points 75 cts. postpaid.
HENRY A. DREER,
714 Chestnut St., Phila., Pa.



STENZEL GLASS CO.,
GREENHOUSE GLASS.
French and American "WHITE ROSE" Brand.
2 Hudson St., NEW YORK.

H. M. HOOKER CO.
Window Glass, Paints and Putty.
Greenhouse Glass a Specialty.
59 W. Randolph St., CHICAGO.

Index to Advertisers.

Adv rates.....1248
Advance Co The... III
Allen J K 1259
Amling E C.....1254
AndorraNurseries..1267
Appel Conrad 1265
Aschmann Godfrey.1270
Atlanta Floral Co..1261
Barrows Henry&Son 1254
Bassett &Washburn. 1254 1273
Baumann L & Co...1283
Baur Floral Co.....1252
Beaven E A.....1251
Beckert W C.....1265
Bell John M.....1271
Benthey-Coatsworth Co.....1254
Berckmans P J Co..1267
Berning H G. ... 1257
Bertermann Bros Co1260
Blackistone Z D....1261
Boddington A T ...1265
Boland J B Co.....1261
Brant S D.....1273
Breitmeyer's J Sons1260
Brown Alfred J Seed Co..... 1263
Bruns H N II
Budlong J A.....1250
Burpee W A & Co..1263
Byer Bros.....1271
Caldwell the Woodsman Co.....1251
Capital City Nurs...1264
Carillo & Baldwin..1270
Carlton H R.....1270
Carmody J D.....1284
ChicagoCarnationCo I
Chicago House ⊂⊃ Wrecking Co.....1284
Cleveland CutFloCo1261
Cleveland Florists' Exchange.....1250
ClipperLawnMower Co.....1274
Coles W. W.....1273
Conard & Jones Co.1270
Cooke Geo H.....1260
Cotsonas Geo & Co.1259
Cottage gardens....1267
Cowee W J.....1276
Craig Robert Co....1261
Cross Eli.....1251
Cunningham Jos H.1265
Daniels & Fisher...1260
Davis Bros 1257
Deamud J B Co....1255
DetroitFloPotMfy..1274
Dietsch A Co.....1284
Caskey & Diller Co.1276
Dillon J L.....1271
Dingee&ConardCo.1269
Donohoe W H.....1260
Dorner F & Sons Co I
Dreer H A.....1265 1275
Dreyer R.....1273
Dunford J W..... 1261
Eberman C W.....1259
Edwards Fold'g Box.1283
Elliott Wm H.....1257
Emmans Geo M....1261
Eyers H G.....1261
Fellouris A J 1259
Fennel L A.....1270
Fischer R.....1264
Florists' Hail Ass'n..1276
Flower Growers Co.1254
Foley Mfg Co.....1284
Ford Bros.....1259
For Sale and Rent..1249
Froment H E 1259
Furrow & Co.....1266
Galvin Thos F.....1256
Garden City Sand Co1276
Garland Geo M..... III
Garnsey M V..... III
Getmore Box Fcty.1275
Giblin &Co..... IV
Globe Eng Co.....1273
Gude A & Bro.....1260
Gullett W H &Sons1273
Gundestrup K & Co II
Gurney Heater Co. IV
Guttman Alex J.....1259
Haines John E 1269 1271
Hansen Mrs M A...1260
Hart Geo B.....1263
Hartman Hjalmar.. II
Hauswirth P J.....1260
Heller & Co.....1265
Henshaw A M.....1259
Herbert D & Son.. 1270
Herr Albert M.....1251
Herrmann A.....1276
Hess & Swoboda...1260
Hews A H & Co....1274
Hilfinger Bros.....1274
Hill The E G Co.... I
Hippard E.....1276
Hitchings & Co... IV
Holm &Olson.....1260
Holton& Hunkel Co1257
Hooker H M Co....1275
Hort Advertiser 1273
Hort Trade Journal.1283
Humfeld C.....1271
Hunt E H.....1254
Igoe Bros.....1284
Ionia Pottery Co ...1274
Isbell S M & Co..... II
Jackson&PerkinsCo1267
Jacobs S & Sons....1275
Janesville Floral Co1264
Jensen & Dekema..1269
Johnston HeatingCo1283
Journal Des Roses..1283
Kaempfer Fred....1283
Kasting W F..... I
Keller Geo & Son..1274
Keller J B & Sons..1261
Keller Pottery Co..1274
Kellogg Geo M.....1261
Kennicott Bros Co.1254
Ky Tob Prod Co...1275
Kervan Co The.....1259
KingConstructionCo 1284
Klehm's Nursery 1267 1270
Kohr A F.....1274
KramerF H.....1271
Kramer I N & Son .1274
Kroeschell Bros Co1284
Kuehn C A.....1257
Kuhl Geo A.....1269
Lake Side ghrs.....1251
Lager & Hurrell....1259
Lange A.....1260
Langjahr A H 1259
Lecakes N & Co....1259
Leedle Floral Co...1267
Lilly Chas H & Co 1262
Livingston Seed Co. 1260 1284
Lord & Burnham Co IV
Matthews Florist..1261
Maxfield& Dimond.1283
McCullough's J M Sons Co.....1257
McKellar Chas W..1254
McKissick W E....1257
Mayberry & Hoover1260
Mich Cut Flower Ex1251
Miller Theo.....1261
Mills the Florist....1260
Moninger J C Co....III
Moon The Wm H Co1267
Moore Hentz&Nash1259
Morse C C & Co....1262
Morehead Mfg Co..1276
Mosbaek L ghr's Co1271
Murdoch J B & Co .1257
Murray Samuel.....1260
Myers & Co.....1276
Natl FloBd of Trade1283
N Y Cut Flower Ex 1259
Niehoff Paul.....1269
Niessen Leo Co 1257
Niuffer C M.....1267
Olbertz J.....1283
Pacific Seed Co..... II
Paducah Pottery ...1274
Palethorpe P R Co.1274
Palmer W J & Son.1260
Park Floral Co.....1260
Pennock Meehan Co1256
PerennialGardensCo 1267
Perfection Chem Co II
Peterson's Nursery.1267
Pieters A J seed Co1263
Pierson F R.....I 1253
Pierson U Bar Co... III
PittsburgCut Flo Co1251
Pittsburg Florist Ex1257
Poehlmann Bros Co 1254 1269
Pollworth C C Co 1260 1283
Probst&Christensen III
Quaker City Machine Works.....1283
Randall A L Co....1261
Rawson W W & Co. II
Raynor J I.....1259
Ready reference....1277
Reed & Kellar.....1283
Regan Print House. III
Reinberg Peter1250 1271
Rhodes Mfg Co.....1275
Rice Bros.....1251
Rice James H Co. .1275
Rising—Dunscomb Co.....1261
Riverside ghrs.....1265
Roehrs Julius Co....1259
Robinson H M & Co. 1251 1257
Rudd WN.....1255
Sander & Son 1259
Satler L L Lumb'r Co1284
Scharff Bros.....1269
Scheiden & Schoos.1264
Scheepers John&Co1263
Scherer John P.....1259
Schillo Adam.....1276
Schrader E.....1270
Schultheis Anton...1271
Schulz Jacob.....1261
Scott Robt & Son..1269
Seaver L T.....1275
Seligman Jno.....1259
SharpPartridge&Co1275
Sheridan W F.....1259
ShippensburgFloCo1265
Siebert Co..... III
Sinner Bros. 1254
Situations & Wants1249
Skidelsky S S.....1261
Smith Wm C.....1257
Smith Nathan &Son1265
Smith W & T Co.... I
Smits Jacs.....1267
Standard Pump & Engine Co..... IV
Stearns Lumber Co IV
Stenzel Glass Co...1275
Stokes Seed Store..1263
Stoothoff H A & Co1275
Storrs &HarrisonCo1267
Styer J J.....1265
Syracuse Pottery Co1274
Taylor F G Seed Co II
Texas Seed& FloCo1265
Thompson J D Carnation Co..... I
Thorburn J M & Co II
Totty Chas H 1259
Tr'ndley&Schenck.1259
Twin City Pottery Mfg Co.....1274
Van Heinenghen Bros &Co..... 1266
V'n Houtte Pere Sons1270
Vaughan & Sperry..1254
Vaughan's Seed Store .....I II 1270 1271
Vick's Sons Jas..... II
Vincent R Jr & Son. 1265 1273
Virgin U J 1260
Wanzer ET.....1264
Wapler Nicholas...1275
Ware Thos S.....1267
Weber F C.....1260
Weber H & Sons...1273
Weeber & Don..... II
Weiland & Risch...1254
Welch Bros.....1257
Whilldin Pot Co....1274
Wiboltt R.....1262
Wietor Bros...1251 1254
Wild Gilbert H.....1267
Wilson Andrew III
Wilson Robt G.....1260
WintersonEF Co....1254
WittboldGeo Co1254 1271
Wood Bros.....1261
Youngs 1261
Young A L & Co...1259
Young Thos.....1259
Zech & Mann.....1254

Garden City Sand Co.

Security Building, CHICAGO.

BUILDING AND PROPAGATING SANDS.
Fire Brick and Fire Clay.
Portland Cement.
Hard Wall Plaster.

R. I. W. DAMP RESISTING PAINT.

PHONES: Main 4827. Automatic 2827.

—THE—

Florists' Hail Association

Insures over 23,000,000 square feet of glass. for particulars address

JOHN G. ESLER, Sec'y, SADDLE RIVER, N. J.

Please mention the American Florist when writing.

A. HERRMANN,

Cape Flowers, all colors, Cycas Leaves, Metal Designs and all Florists' Supplies.

SEND FOR PRICES.

404-412 East 34th St., NEW YORK.

Please mention the American Florist when writing

Wired Toothpicks

10,000. $1.50: 50,000, $6.25. Manufactured by

W. J. COWEE, BERLIN, N. Y.

Sample free. For sale by dealers.

Please mention the American Florist when writing.

MYERS & CO.

BUILDERS OF

Modern Greenhouses

HEATING BOILERS.

1122 Betz Bldg., PHILA., PA.

Please mention the American Florist when writing.

MOREHEAD STEAM TRAPS

A remedy for steam heating troubles. A 30 days trial Free. Write us.

MOREHEAD MFG. CO.

1047 Grand River Avenue, DETROIT, MICH.

THE STANDARD

VENTILATING MACHINERY

The original machine with self-oiling cups The most powerful, least complicated. very compact, with ease of operation.

The New Duplex Gutter

Over six miles in use and highly recommended by all. The only Drip Proof gutter on the market,

The Standard Return Steam Trap

It has no equsls for simplicity or its working. Catalogue free.

E. HIPPARD, Youngstown, Ohio.

Use our patent Iron Bench Fittings and Roof Supports.

THE JENNINGS IMPROVED IRON GUTTER.

IMPROVED VAPORIZING PANS

For Tobacco Extracts, etc. Send for Circulars.

DILLER, CASKEY & CO. SUCCESSORS TO JENNINGS BROTHERS,

S. W. Cor. Sixth and Berk Sts., PHILADELPHIA.

VENTILATING APPARATUS.

LUMBER for Greenhouse Benches, Ship Lap, Drop Siding, Sheathing, Flooring, White Cedar Posts, Etc.

We are in special position to furnish "PECKY CYPRESS" everything in PINE and HEMLOCK BUILDING LUMBER. WRITE FOR PRICES.

Adam Schillo Lumber Co. Cor. Weed and Hawthorn St., CHICAGO. Tel. North 1626 and 1627.

Ready Reference Advertising.

ADVERTISEMENTS IN THIS DEPARTMENT 10 CENTS PER LINE, CASH WITH ORDER. COPY MUST REACH US MONDAY OF THE WEEK IN WHICH IT IS TO APPEAR

AGERATUMS.

Ageratums, Inimitable, 50c per doz.; $3 per 100. Stella Gurney, 40c per doz.; $2 per 100. R. Vincent, Jr. & Son, White Marsh, Md.

Ageratum, Gurney and Pauline, R. C., 60c per 100, prepaid. Shippensburg Floral Co., Shippensburg, Pa.

Ageratums, Gurney, P. Pauline and Snow Ball, 60c per 100; $5 per 1,000. C. Humfeld, Clay Center, Kans.

Ageratums, R. C., 60c per 100; $5 per 1,000. S. D. Brant, Clay Center, Kans.

Ageratums, leading vars., R. C., 60c. Byer Bros., Chambersburg, Pa.

ALTERNANTHERAS.

Altenantheras, red and yellow, 40c per doz.; $2 per 100. R. Vincent, Jr. & Son, White Marsh, Md.

Alternantheras, red and yellow, 60c per 100; $5 per 1,000. C. Humfeld, Clay Center, Kans.

Alternantheras, red and yellow, R. C., 50c. Shippensburg Floral Co., Shippensburg, Pa.

Alternantheras, 3 kinds, R. C., 50c. Byer Bros., Chambersburg, Pa.

Alternantheras, 2½-in., $3.50. Geo. A. Kuhl, Pekin, Ill.

ALTHEAS.

Altheas, Conard & Jones Co., West Grove, Pa.

ALYSSUM.

Alyssum, dbl., R. C., $1 per 100; $8 per 1,000. S. D. Brant, Clay Center, Kans.

Alyssum, sweet, R. C., $2; 2½-in., $3.50. Geo. A. Kuhl, Pekin, Ill.

ARAUCARIAS.

Araucarias, 6 and 7-in., 4, 5 and 6 tiers, 25 to 30 ins. high, $1.50, $1.75, $2 and $2.50 each. Excelsa glauca, 7-in., specimens, 6 to 7 trs., 30 to 35 ins. high, $2, $2.50 and $3 each; 6-in., 3, 4 and 5 trs., 16 to 20 ins., $1 and $1.25 each. G. Aschmann, 1012 Ontario St., Philadelphia.

Araucaria excelsa, 6-in., 3 to 4 tiers, $1 each; $12 per doz. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Araucaria excelsa, R. Dreyer, Woodside, L. I., N. Y.

Araucarias. L. Van Houtte Pere, Ghent, Belgium.

ASPARAGUS.

Asparagus Sprengeri, 2½-in., $3 per 100; $25 per 1,000; 3½-in., $5 per 100. J. W. Dunford, Clayton, Mo.

Asparagus plumosus and Sprengeri, 2, 2½, 3 and 4-in., $2, $2.50, $5, $8 per 100. Ludvig Mosbaek, Onarga, Ill.

Asparagus plumosus, 2¼-in., $3; 3-in., $5. Sprengeri, 3-in., $4. W. H. Gullett & Sons, Lincoln, Ill.

Asparagus plumosus, 3-in., $5 per 100. Sprengeri, 3½-in., $6 per 100. Scharff Bros., Van Wert, O.

Asparagus, Commorensis, 2-in., $4 per 100; $35 per 1,000. J. F. Wilcox, Council Bluffs, Iowa.

Asparagus Sprengeri, 2-in., $2.50 per 100; plumosus, 2-in., $3 per 100; 3-in., $5 per 100. Geo. M. Emmans, Newton, N. J.

Asparagus Sprengeri, 1-year-old clumps, large plants, $6 per 100; sample on application. Gus. Schlegel, 113 S. Main St., Butler, Pa.

Asparagus Sprengeri, 3-in., $4 per 100. E. T. Wanzer, Wheaton, Ill.

AUCUBAS.

Aucuba Japonica, Var., 2 ft. high, $5 per doz. Vaughan's Seed Store, Chicago and New York.

AZALEAS.

Azalea indica, Mme. Van der Cruyssen, Prof. Wolters, Empress of India, Helen Thielman, Simon Mardner, 12 to 14-in. crowns, $45 per 100; 14 to 16-in., $55 per 100; 16 to 18-in., $90 per 100. Azalea mollis, 12 to 15 ins., high, $25 per 100; 15 to 18 ins., $35 per 100. Storrs & Harrison Co., Painesville, O.

Azaleas, in bud and bloom, Simon Mardner, Vervæneana, Deutsche Perle, 75c, $1, $1.25 and $1.50 each. G. Aschmann, 1012 Ontario St., Philadelphia.

Azaleas. Cottage Gardens Co., Queens, L. I. N. Y.

Azaleas. L. Van Houtte Pere, Ghent, Belgium.

Azaleas. Jacs Smith, Ltd., Naarden, Holland.

BAY TREES.

Bay trees, fine stock. R. Dreyer, Woodside, L. I., N. Y.

Bay Trees. L. Van Houtte Pere, Ghent, Belgium.

BEGONIAS.

Begonias, 8 kinds, 2-in., 2½c; R. C., $1.25. Rex, 20 kinds, mixed, $1.25. Byer Bros., Chambersburg, Pa.

Begonias, 10 vars., 2½-in., $5; Rex rubra, etc., 2½-in., $5. Geo. A. Kuhl, Pekin, Ill.

Begonia Rex, 2 and 2½-in., $5 per 100. Geo. M. Emmans, Newton, N. J.

Begonias, R. C., $1.50 per 100. S. D. Brant, Clay Center, Kans.

Begonias. Thos. S. Ware, Ltd., Feltham, England.

Begonias. L. Van Houtte Pere, Ghent, Belgium.

BOXWOOD.

Boxwood, 12 to 20 ins., 75c per pair; 24 ins., $1 per pair. Pyramids, 3 ft., $2.50 to $3 per pair; 4 ft., $3 to $4; 4 ft. 6 ins., $5; 5 ft., $7. A. Schultheis, College Point, N. Y.

BULBS, ROOTS, TUBERS.

Bulbs, begonias, tuberous rooted, single, Sep. colors, 40c per doz.; $3 per 100; $25 per 1,000; in mixture, 35c per doz.; $2.50 per 100; $22 per 1,000. Double, Sep. colors, 65c per doz.; $5 per 100; $40 per 1,000; in mixture, 50c per doz.; $4 per 100; $35 per 1,000. Hybrid frilled, 25c each; $2.50 per doz; $20 per 100. Gloxinia crassifolia grandiflora, all colors, 60c per doz.; $4 per 100; $35 per 1,000. Fancy leaved caladiums, 25 named vars., $1.50 per doz.; $10 per 100; mixed, $1.25 per doz.; $8 per 100. Henry A. Dreer, Philadelphia, Pa.

Bulbs, Narcissus Empress and Henry Irving, Candidum lilies. E. F. Winterson Co., 45 Wabash Ave., Chicago.

Bulbs, gladiolus, mixed, 60c per 100; $5 per 1,000. Geo. M. Emmans, Newton, N. J.

Bulbs of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Bulbs of all kinds, valley. John Scheepers & Co., New York.

Cannas, William Saunders, Ottawa, New York, 50c each; $5 per doz.; $35 per 100. Conard & Jones Co., West Grove, Pa.

Cannas, 40 leading vars., $10 per 1,000 and upwards. Louisiana canna, $8 per 100. Dingee & Conard Co., West Grove, Pa.

Cannas, $2 per 100; $15 per 1,000. Capital City Nursery, Box 586, Atlanta, Ga.

Cannas. 10 varieties, $2.50 per 100. Jos. Cunningham, Delaware, O.

150,000 cannas, 35 leading varieties. Ludvig Mosbaek, Onarga, Ill.

Cannas. Thos. S. Ware, Ltd., Feltham, England.

Lily of the valley, pips for forcing, $1.50 per 100; $14 per 1,000. H. N. Bruns, 1409 W. Madison St., Chicago.

Lily of the valley. Jacs Smits, Ltd., Naarden, Holland.

Gladiolus bulbs, over 15,000 bushels harvested. Groff's Hybrids and other strains and named varieties of exceptional merit. Write for 1907 illustrated catalog. Arthur Cowee, Gladiolus Specialist, Meadowvale Farm, Berlin, N. Y.

Sparaxis, $3.50 per 1,000. Ixias, mix., $2.50 per 1,000. Oxalis (Bermuda buttercup) $6 per 1,000. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Spireas, Astilboides superba, per 100, $5.50. Blondin, per 100, $5. Compacta multiflora, per 100, $4.50. Japonica, per 100, $4.50. Vaughan's Seed Store, Chicago and New York.

BUXUS.

Buxus, pyr. and standard form. Van Heiningen Bros. & Co., Boskoop, Holland.

CARNATIONS.

Carnations, White Lawson, Lady Bountiful, L. Peary, Enchantress, R. C., $3 per 100; $25 per 1,000; 2½-in., $4 per 100. Wolcott, $2.50 per 100; $20 per 1,000; 2½-in., $3.50 per 100. Pink Lawson, $2 per 100; $17.50 per 1,000; 2½-in., $3 per 100. Victory, $6 per 100; $50 per 1,000; 2½-in., $7 per 100. Cardinal, $3 per 100; $25 per 1,000; 2½-in., $5 per 100. Red Lawson, V. Lawson, $4 per 100; $35 per 1,000; 2½-in., $5 per 100. Mrs. Martin, Mrs. Patten, $2 per 100; $18 per 1,000. Prosperity, $2.50 per 100; $20 per 1,000; 2½-in., $3.50 per 100. Glendale, $5 per 100; 2½-in., $6 per 100. Craig, $5 per 100; $40 per 1,000; 2½-in., $6 per 100. Poehlmann Bros. Co., Morton Grove, Ill.

Geraniums, Alliance, 25c each; $2.50 per doz. Caesar Franck, 25c each; $2.50 per doz. Eugene Sue, $1.50 per doz.; $10 per 100. Justo Oliver, $1.50 per doz.; $10 per 100. Cactus geraniums, 20c each; $1.50 per doz. Collosus, $1 per doz.; $6 per 100. Double Dryden, 75c per doz.; $4 per 100. Trego, 75c per doz.; $4 per 100. Tiffin, $2 per doz.; $10 per 100. Fleuve Blanc, $1.50 per doz.; $10 per 100. Centaure, 40c per doz.; $2 per 100. Jean de Le Breto, 50c per doz.; $3 per 100. El Cid, 40c per doz. Miss Kendall, 40c per doz.; $2 per 100. R. Vincent, Jr. & Son, White Marsh, Md.

Carnations, rooted cuttings, Red Riding Hood, $12 per 100; $100 per 1,000. Rose pink Enchantress, $7 per 100; $60 per 1,000. White Perfection, Daybreak, Lawson, $6 per 100; $50 per 1,000. Helen Goddard, $5 per 100; $45 per 1,000. Fiancee, $4 per 100; $30 per 1,000. White Lawson, Bountiful, $3 per 100; $25 per 1,000. Lieut. Peary, Cardinal, Red Lawson, $4 per $100; $30 per 1,000. Victory, $6 per 100; $50 per 1,000. Variegated Lawson, $3 per 100; $25 per 1,000. Harlowarden, $2 per 100; $15 per 1,000. Aristocrat. Chicago Carnation Co., Joliet, Ill.

Carnation cuttings, Mrs. Lawson, $1.50 per 100; $12 per 1000. Lady Bountiful, $2.50 per 100; $20 per 1000. Cardinal, $3 per 100; $25 per 1000. White Lawson, President, Lieut. Peary, $2.50 per 100; $20 per 1000. White Perfection Victory, Robt. Craig, Ellen Goddard, $6 per 100; $50 per 1000. Estelle, Morning Glory, $2 per 100; $15 per 1000. Enchantress, $2 per 100; $18 per 1000. Glazonier, $1.75 per 100; $14 per 1000. Fil Cross, Grand Rapids, Mich.

Carnations, Aristocrat, Rose Pink Enchantress, White Perfection and other leading varieties. E. G. Hill Co., Richmond, Ind.

If you do not find what you need in our Ready Reference Department, write us about it.

Carnations, rooted cuttings, Lawson, Nelson, $1.50 per 100; $10 per 1,000. Nelson Fisher, Enchantress, $2 per 100; $17.50 per 1,000. Mrs. Patten, $2 per 100; $17.50 per 1,000. Boston Market, $1.25 per 100; $10 per 1,000. Lady Bountiful, $2 per 100; $17.50 per 1,000. White Lawson, $3 per 100; $25 per 1,000. Robert Craig, $6 per 100; $50 per 1,000. Cardinal, $2.50 per 100; $20 per 1,000. Estelle, $2 per 100; $17.50 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

Carnations, rooted cuttings, Victory, $6 per 100; $50 per 1,000. Pink Patten, $5 per 100; $40 per 1,000. Variegated Lawson, $4 per 100; $30 per 1,000. White Lawson, Lady Bountiful, $3 per 100; $25 per 1,000. Enchantress, $2.50 per 100; $20 per 1,000. Pink Lawson, B. Market, $1.50 per 100; $12.50 per 1,000. Winsor and Aristocrat. Jensen & Dekema, 674 W. Foster Ave., Chicago.

Carnations, Beacon and Winsor cuttings, $12 per 100; $100 per 1,000. Rose Pink Enchantress, $7 per 100; $60 per 1,000. Red Chief, Bonnie Maid, $12 per 100; $100 per 1,000. Aristocrat, $12 per 100; $100 per 1,000. White Perfection, Candace, Melody, Victory, Robt. Craig, $6 per 100; $50 per 1,000. Vaughan's Seed Store, Chicago and New York.

Carnation cuttings, Enchantress, $2 per 100; $20 per 1,000. Crusader, $1.75 per 100; $12.50 per 1,000. Boston Market, Mrs. T. Lawson, Mrs. Nelson, $1.50 per 100; $12 per 1,000. Variegated Lawson, $4 per 100; $35 per 1,000. Candace, $5 per 100; $40 per 1,000. Scheiden & Schoos, 60 Wabash Ave., Chicago.

Carnations, rooted cuttings, Victory, $6 per 100; $50 per 1,000. Enchantress, $2 per 100; $18 per 1,000. W. Lawson, L. Bountiful, $3 per 100; $25 per 1,000. B. Market, P. Lawson, $1.50 per 100; $12.50 per 1,000. Nelson, $2 per 100; $15 per 1,000. E. T. Wanzer, Wheaton, Ill.

Carnations, rooted, cuttings, pink, white and variegated Lawson, Mrs. Patten, Candace, Melody, W. Perfection, L. Bountiful, Boston Market, White Cloud, Robt. Craig, Victory, Cardinal, Enchantress, Rose pink Enchantress. W. W. Coles, Kokomo, Ind.

Carnations, rooted cuttings, Lady Bountiful, $2.50 per 100; $20 per 1,000. Enchantress, $2 per 100; $18 per 1,000. B. Market and Lawson, $1.50 per 100; $12.50 per 1,000. Q. Louise, $1 per 100; $9 per 1,000. J. W. Dunford, Clayton, Mo.

Carnations, rooted cuttings. Red Chief, Bonnie Maid, Aristocrat, $12 per 100; $100 per 1,000. Rose Pink Enchantress, $7 per 100; $60 per 1,000; White Perfection, $6 per 100; $50 per 1,000. F. Dorner & Sons Co., La Fayette, Ind.

Carnations, rooted cuttings, guaranteed, Enchantress, $2 per 100; $18 per 1000. Bountiful, $2 per 100; $18 per 1000. Estelle, $1.80 per 100; $15 per 1000. Cash with order. Blanksma Bros., Grand Rapids, Mich.

Carnations, R. Craig, $5 per 100; $40 per 1,000. Also Aristocrat, Victory and other varieties. I can guarantee early delivery and well rooted cuttings. Let me figure on your wants. Andrew Peterson, Hoopeston, Ill.

Carnations, rooted cuttings. Rose Pink Enchantress, for January and February delivery, $7 per 100; $60 per 1,000. Enchantress, $2 per 100. Henry F. Piggott, 2311 Pearl St., Cleveland, O.

Carnations, rooted cuttings, Enchantress, Bountiful, $2.50 per 100. Wolcott, Lawson, Queen, $1.50 per 100. Harlowarden, $2 per 100. Bassett & Washburn, 76 Wabash Ave., Chicago.

Carnation John E. Haines, rooted cuttings, $6 per 100; $50 per 1,000. Pink Imperial, cuttings, $2.50 per doz.; $12 per 100; $100 per 1,000. John E. Haines, Bethlehem, Pa.

Carnations, strong rooted cuttings, Enchantress, $1.75 per 100; $15 per 1000. Queen Louise, $1.50 per 100; $14 per 1000. Gus. Schiegel, 113 S. Main St., Butler, Pa.

Carnations, Rose Pink Enchantress, rooted cuttings, $7 per 100; $60 per 1,000. S. S. Skidelsky, 824 No. 24th St., Philadelphia.

Carnations, White Enchantress, rooted cuttings, $12 per 100; $100 per 1,000. E. Schrader, New Springville, New York.

Carnations, Winsor and Aristocrat, $12 per 100; $100 per 1,000. Wm. F. Kasting, 383 Ellicott St., Buffalo, N. Y.

Carnation Victory, rooted cuttings, $6 per 100; $50 per 1,000. Guttman & Weber, 43 W. 28th St., New York.

Carnation Abundance, rooted cuttings, $5 per 100; $40 per 1,000. R. Fischer, Great Neck, L. I.

Carnations, rooted cuttings, best leading varieties, $1 per 100. Napoleon Lemay, Bedford, Mass.

Carnation Mabelle, new, $12 per 100; $100 per 1,000. H. Weber & Sons Co., Oakland, Md.

Cinerarias, fine strain, 2½-in., $5; 3-in., $8; 4-in., $12.50. Geo. A. Kuhl, Pekin, Ill.

Carnations for fall delivery. Wood Bros., Fishkill, N. Y.

Carnations. J. D. Thompson Carnation Co., Joliet, Ill.

Carnations, leading varieties. A. M. Herr, Lancaster, Pa.

Carnations. Geo. A. Kuhl, Pekin, Ill.

CHRYSANTHEMUMS.

Chrysanthemums, stock plants of the following varieties at $4 per 1000; Kalb, Glory of Pacific, Polly Rose, Pink Ivory, White Ivory, Wm. Duckham, Maud Dean, Marie Liger, Dr. Enguehard, A. J. Balfour, Alice Byron, R. Halliday. W. H. & C. B. Newman, Akron, N. Y.

Chrysanthemums, stock plants, Mrs. Duckham, Col. Appleton, Cheltoni, F. A. Cobbold, F. S. Vallis, Wm. Duckham, Nellie Pockett, Merza, Henry Robinson, etc., $10 per 100. C. Peterson, 307 Lincoln St., Flushing, N. Y.

Chrysanthemums, stock plants, Willowbrook, Kalb, Estelle, Wanamaker, Ivory, Robinson, Appleton, Bonnaffon, Halliday, Coombes, McNeice, Enguehard, 60c per doz.; $4 per 100. E. T. Wanzer, Wheaton, Ill.

Stock plants of the Ceramic chrysanthemum, new cream color, now ready, 20c each; $2 per doz. Chas. Peterson, East Liverpool, Ohio.

Chrysanthemum October Frost. Orders taken for rooted cuttings, $6 per 100; 2½-in. pots, $8 per 100. A. C. Canfield, Springfield, Ill.

Chrysanthemums, best sorts, Golden Dome, White Duckham, Pres. Loubet, Mlle. Chabanne. E. G. Hill Co., Richmond, Ind.

Chrysanthemums, Garza, Diana, Gallis, Daisy. Scheiden & Schoos, 60 Wabash Ave., Chicago.

Chrysanthemums, stock plants, Jeanne Nonin and Golden Chadwick, $4 per 100. Klehm's Nurseries, Arlington Heights, Ill.

Chrysanthemums, Smith's Revised Manual, 40c. Nathan Smith & Son, Adrian, Mich.

Chrysanthemums. Wood Bros., Fishkill, N. Y.

CINERARIAS.

Cinerarias, 2½-in., $4 per 100; 3-in., $7 per 100; 4-in., $10 per 100. G. Aschmann, 1012 Ontario St., Philadelphia.

CLEMATIS.

Clematis Pan., 2-yr., field-grown, $7 per 100; $65 per 1,000. Dingee & Conard Co., West Grove, Pa.

Clematis, field-grown, 3-yr. Van Heiningen Bros. & Co., Boskoop, Holland.

COBOEA.

Cobœa Scandens, 4-in., $8 per 100. Godfrey Ashmann, 1012 Ontario St., Philadelphia, Pa.

COLEUS.

Coleus, Verschaffeltii, Golden Bedder and 10 other vars., 40c per doz.; $2 per 100. R. Vincent, Jr. & Son, White Marsh, Md.

Coleus, 10 varieties, 2-in., $2.50 per 100. Lake Side Greenhouses, E. Sixth St., Erie, Pa.

Coleus, asst. R. C., 60c per 100, prepaid. Shippensburg Floral Co., Shippensburg, Pa.

Coleus, R. C., 70c per 100; $6 per 1,000. S. D. Brant, Clay Center, Kans.

Coleus, 30 vars., 70c per 100; $6 per 1,000. C. Humfeld, Clay Center, Kans.

Coleus, red, yel. and mix., R. C., $1; 2½-in., $3. Geo. A. Kuhl, Pekin, Ill.

CYCLAMENS.

Cyclamen plants, grand strain, 5-in., showing bud, $25 per 100. Riverbank Greenhouses, Geneva, Ill.

Cyclamens, 3-in., $8; 4-in., $15. Geo. A. Kuhl, Pekin, Ill.

CYPERUS.

Cyperus gracilis, 2½-in. pots, $3.50 per 100. Dingee & Conard Co., West Grove, Pa.

DAHLIAS.

Dahlias, field-clumps, $1 per doz.; $6 per 100. R. Vincent, Jr. & Son, White Marsh, Md.

Dahlias, leading varieties. David Herbert & Sons, Atco, N. J.

Dahlias. Thos. S. Ware, Ltd., Feltham, England.

DAISIES.

Daisies, Paris, R. C., $2; 2½-in., $3.50. Queen Alexandria, R. C., $3; 2½-in., $5. Anthemis, yellow, R. C., $5; 2½-in., $7.50. Geo. A. Kuhl, Pekin, Ill.

Paris daisies, R. C., giant white, yellow, $1; Alexandria, $1.25. Byer Bros., Chambersburg, Pa.

Daisies, giant Marg., R. C., $1. Shippensburg Floral Co., Shippensburg, Pa.

DEUTZIAS.

Deutzia gracilis, 6-in., $1.50 per doz.; $12 per 100. Lemoine, 6-in., $2.50 per doz.; $20 per 100. Vaughan's Seed Store, Chicago and New York.

DRACAENAS.

Dracæna Bruanti, 30-in., 6-in. pots, 50c each; $5 per doz. G. Aschmann, 1012 Ontario St., Philadelphia.

Dracæna indivisa, 4 and 5 ins., $10 and $25 per 100. Geo. M. Emmans, Newton, N. J.

FERNS.

Ferns, Barrowsii, 7-in., 75c to $1 each; 6-in., 50c; 5½-in., 40c; 5-in., 35c; 4-in., 25c. Scottii, 8-in., $1.25; 7-in., 75c; 6-in., 50c; 5½-in., 40c; 4-in., 20c. Boston, 7-in., 75c; 6-in., 50c; $5 per doz.; 5-in., 30c to 35c; 4-in., 20c. G. Aschmann, 1012 Ontario St., Philadelphia.

Ferns, Pteris magnifica, Pteris serrulata cristata, Pteris alb. lineata, Pteris Winmetti, Pteris Ouvrardi, $3 per 100; $25 per 1,000. Boston, Scottii and Piersoni, 3-in., $8; 4-in., $15; 5-in., $25; 6-in., $40 per 100. J. F. Wilcox, Council Bluffs, Iowa.

Ferns, Boston, Piersoni, Anna Foster, 2¼, 3 and 4-in., $3, $6 and $12 per 100; 6-in., $4; 8-in., $10; 10-in., $20 per doz. Elegantissma and Scottii, runners, $40 per 1,000. Boston, $20 per 1,000. Ludvig Mosbaek, Onarga, Ill.

Ferns, N. Piersoni, Elegantissima, 2¼-in. pots, $12 per 100; specimen plants, 6-in., $1 each; 8-in., $2; 10-in., $3; 12-in., $5; 14-in., $7.50; 16-in., $10. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Ferns, Boston, 4-in., 10c; 3-in., 5c; Elegantissima, 3-in., 10c; 4-in., 15c; 6-in., 25c; runners, $1.50 per 100. Byer Bros., Chambersburg, Pa.

Ferns, 2¼ mixed ferns for jardinieres, nice large plants, $2.50 per 100. Wm. A. Clark & Son, 44 Boyd St., Watertown, N. Y.

Ferns, Whitmani, 2¼-in., $10 per 100. Bostons, 2¼-in., $3 per 100. H. H. Barrows & Son, Whitman, Mass.

Ferns, Boston, from bench, for 4 and 5-in., $10 and $15 per 100. J. W. Dunford, Clayton, Mo.

Ferns, N. Whitmani, young plants from bench, $6 per 100. Davis Bros., Morrison, Ill.

Ferns of all kinds. Geo. A. Kuhl, Pekin, Ill.

If you do not find what you need in our Ready Reference Department, write us about it.

Ferns, orders booked now for N. Amerpohli. Janesville Floral Co., Janesville, Wis.

Ferns, Boston, 5-in., 30c each. Piersoni, 6-in., 50c each. Geo. M. Emmans, Newton, N. J.

Ferns, all varieties. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Ferns, all leading varieties, R. Dreyer, Woodside, L. I., N. Y.

FEVERFEW.

Feverfew, R. C., $2; 2½-in., $3.50. Geo. A. Kuhl, Pekin, Ill.

FUCHSIAS.

Fuchsias, Minnesota, Lieutenant, Minister Boucher, Black Prince, Speciosa, Elm City and other vars., 50c per doz.; $2.50 per 100. R. Vincent, Jr. & Son, White Marsh, Md.

Fuchsias, Little Beauty, 2½-in., $4 per 100. Lake Side Greenhouses, E. Sixth St., Erie, Pa.

Fuchsias, 5 kinds, $1.25, R. C., Byer Bros., Chambersburg, Pa.

Fuchsias, $1. Shippensburg Floral Co., Shippensburg, Pa.

Fuchsias, 4 vars., 2½-in., $5. Geo. A. Kuhl, Pekin, Ill.

GERANIUMS.

Geraniums, the following, "Six Kings"; S. A. Nutt, deep scarlet; A. H. Trego, scarlet; Peter Henderson, bright scarlet; Beaute Poitevine, salmon; Jean Viaud, pink; Mme. Buchner, white; all semi-double, strong top cuttings, well rooted, $1.75 per 100; $16 per 1,000. Cash. The W. T. Buckley Co., Springfield, Ill.

Geraniums, S. A. Nutt, John Doyle, Perkins, dbl. Gen. Grant, La Favorite, 2-in., $2; rooted cuttings, $1 per 100. Trego and Castellane, 2-in., $4 per 100. Geo. M. Emmans, Newton, N. J.

Geraniums, all colors, R. C., $2; 2½-in., $3.50. Salleroi, R. C., $2; 2½-in., $3.50. Ivy, 3 vars., 2½-in., $5. Geo. A. Kuhl, Pekin, Ill

Geraniums, 10 varieties, my selection, 2 and 2½-in., $3 per 100. Jos. Cunningham, Delaware, O.

Geraniums, leading vars. A. M. Herr, Lancaster, Pa.

GLOXINIAS.

Gloxinias. L. Van Houtte Pere, Ghent, Belgium.

GREENS.

Greens, fancy and dagger ferns, $1.50 per 1,000. Galax, green and bronze, $1 per 1,000; $7.50 per 10,000 case. Southern wild smilax, $3.50 and $7 per case. Laurel festooning, 5c and 6c per yard. Branch laurel, 50c per bundle. Leucothoe sprays, $1 per 100. Sphagnum moss, 50c per bag; 5 bags, $2. Green moss, $1 per bbl. Henry M. Robinson & Co., 15 Province St., Boston, Mass.

Greens, wild smilax, $2.50 per case. Long needle pines, $1 per doz. Palm leaves, $2.50 per doz. Palmetto leaves, $2.50 per doz. Magnolia, $2.50 per case. Sheet moss, $2 per sack. Grey moss, $2 per sack. Galax, $1 per 1,000. Caldwell The Woodsman Decorating Co., Evergreen, Ala.

Greens, fancy and dagger ferns, $1.75 per 1,000. Leucothoe Sprays, $1 per 100; $7.50 per 1,000. Green and bronze galax, $1.25 per 1,000. Boxwood, 20c per lb., 50lbs., $8.50. Michigan Cut Flower Exchange, Detroit, Mich.

Greens, galax leaves, ferns and leucothoe sprays, holly. Princess pine, all kinds of evergreens. Galax leaves, $1 per 1,000. N. Lecakes & Co., 53 W. 28th St., New York.

Greens, cut palmetto and cycas palm leaves, galax, leucothoe, ferns, mosses and all decorating evergreens. The Kervan Co., 20 W. 27th St., New York.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. Geo. Cotsonas & Co., 52 W. 28th St., New York.

Greens, evergreens, galax, ferns, decorative supplies, moss. John P. Scherer, 636 Garden St., Union Hill, N. J.

Greens, evergreens, fancy and dagger ferns, bronze and green galax. A. J. Fellouris, 52 W. 28th St., New York.

Greens, Beaven's fadeless sheet moss, $3.50 per bag. Southern wild smilax. E. A. Beaven, Evergreen, Ala.

HARDY PERENNIALS.

Iris Germanica, Mme. Chereau, Gracchus, Florentine, Socrates, Duchess de Nemours, Dr. Bernice and 20 others, $2.50 per 100; $22.50 per 1,000. Hemerocallis in 10 vars., $3.75 per 100; $30 per 1,000. Delphinium Belladonna, 1 yr., plants, $6.25 per 100; $57.50 per 1,000; 3 yr., clump, $8.75 per 100; $75 per 1,000. Chrysanthemum maximum King Edward, largest white Marguerite, strong from ground, $8.75 per 100. Lathyrus latifolius White Pearl, from ground, $12.50 per 100. Thos. S. Ware, Ltd., Feltham, England.

Dielytra spectabilis, strong clumps, $8 per 100. F. R. Pierson Co., Tarrytown-on-Hudson, N. Y.

Hardy, perennial herbaceous plants, 50,000 field and pot grown. Ludvig Mosbaek, Onarga, Ill.

Hardy pink, Her Majesty, $1; Abbottsford, 75c. Shippensburg Floral Co., Shippensburg, Pa.

HELIOTROPE.

Heliotrope, R. C., $1 per 100; $8 per 1,000. S. D. Brant, Clay Center, Kans.

Heliotrope, 3 kinds, R. C., $1. Byer Bros., Chambersburg, Pa.

Heliotrope, Blue, R. C., 85c. Shippensburg Floral Co., Shippensburg, Pa.

Heliotrope, R. C., $2.50; 2½-in., $5. Geo. A. Kuhl, Pekin, Ill.

HIBISCUS.

Hibiscus Syriacus Meehani. P. J. Berckmans Co., Inc., Augusta, Ga.

HOLLYHOCKS.

Hollyhocks, separate colors, $7.50. Perennial Gardens Co., Toledo, O.

HONEYSUCKLES.

Honeysuckles. Conard & Jones Co., West Grove, Pa.

HYDRANGEAS.

Hydrangeas. Van Heiningen Bros. & Co., Boskoop, Holland.

IVY.

Ivy, English, 40c per doz.; $2 per 100. Parlor ivy, 40c per doz.; $2 per 100. R. Vincent, Jr. & Son, White Marsh, Md.

Ivy, German, 60c. Shippensburg Floral Co., Shippensburg, Pa.

JERUSALEM CHERRIES.

Jerusalem cherries, 12-in., pans, 7 plants to pan, 75c each; 3½-in., $6 per 100. J. W. Dunford, Clayton, Mo.

LANTANAS.

Lantanas, good assortment, 40c per doz.; $2 per 100. R. Vincent, Jr. & Son, White Marsh, Md.

Weeping lantana, 2½-in., $3.50 per 100. Dingee & Conard Co., West Grove, Pa.

Lantanas, weeping, etc., R. C., $2; 2½-in., $3.50. Geo. A. Kuhl, Pekin, Ill.

MAGNOLIAS.

Magnolia Halleana, 2 ft., with buds, $1.50 each; $15 per doz. Soulangeana, 4 ft., with buds, $1.75 each; $18 per doz. Vaughan's Seed Store, Chicago and New York.

MANETTI STOCKS.

Manetti stocks, French, $1.50 per 100; $12 per 1,000; $50 per 5,000; $80 per 10,000. English, $2 per 100; $15 per 1,000; $60 per 5,000; $100 per 10,000. Vaughan's Seed Store, Chicago and New York.

Manetti stocks, grafting size, 1st size, 5-10 mm., $9 per 1,000; $80 per 10,000. Jackson & Perkins, Newark, N. Y.

MUSHROOM SPAWN.

Mushroom Spawn, Pure Culture, per 10 bricks, $1.50; 25 bricks, $3.50; 50 bricks, $6.50; 100 bricks, $12. W. C. Beckert, 103 Federal St., Allegheny, Pa.

Mushroom Spawn, pure culture Spawn, and importers of English mushroom Spawn. Knud Gundestrup & Co., 4273 Milwaukee Ave., Chicago.

Mushroom Spawn, English and pure culture. Weeber & Don, 114 Chambers St., New York.

Mushroom Spawn, frequent importations from England. J. J. Styer, Concordville, Pa.

NURSERY STOCK.

Nursery stock, American arbor vitæ, Tartarian honeysuckle, Barberry Thunbergii, Deutzia Pride of Rochester, Shade trees, fruit trees, shrubs. W. & T. Smith Co., Geneva, N. Y.

Nursery stock, Viburnum plicatum, hardy shrubs, vines and plants of all kinds. Dingee & Conard Co., West Grove, Pa.

Nursery stock, trees and shrubs. Price list on application. Peterson's Nursery, 503 W. Peterson Ave., Chicago.

Nursery stock, large trees, oak, maples, pines and hemlocks. Andorra Nurseries, Chestnut Hill, Philadelphia.

Nursery stock, Pot-grown shrubs, conifers and ornamental stock. Jacs Smits, Ltd., Naarden, Holland.

Nursery stock, evergreen and deciduous flowering shrubs and vines. The Wm. H. Moon Co., Morrisville, Pa.

Nursery stock, deciduous trees and shrubs, evergreens. Cottage Gardens Co., Queens, L. I., N. Y.

Nursery stock, plants and shrubbery of all kinds. Dingee & Conard Co., West Grove, Pa.

Nursery stock, all kinds of hardy stock. Klehm's Nurseries, Arlington Heights, Ill.

ORANGES.

Oranges, Citrus trifoliata, 12 to 15 ins. high, $1 per 100; $7 per 1,000. Capital City Nursery, Box 586, Atlanta, Ga.

ORCHIDS.

Orchids, C. Dowiana, C. Gigas, C. Mossiæ, C. Percivaliana, C. speciosissima, C. Eldorado, C. superba, C. labiata, C. Leopoldi. Lager & Hurrell, Summit, N. J.

Orchids, importers, exporters, growers and hybridists. Sander, St. Albans, England; New York office, room 1, 235 Broadway.

Orchids, Cattleya labiata, Trianæi, Percivaliana, Mossiæ, Mendelli and Shroderæ. Julius Roehrs Co., Rutherford, N. J.

Orchids, leading varieties. Carrillo & Baldwin, Secaucus, N. J.

Orchids, Cattleya Mossiæ. L. A. Fennell, Cythiana, Ky.

PALMS.

Palms, Kentia Fors., made-up, 1 large and 3 small in pot, 45 to 48, 25 to 30 ins., $2, $2.50; 6-in., single, 36 to 45 ins., 5 to 6 leaves, $1.25 to $1.75; 6-in., 32 to 36 ins., 5 to 6 lvs., $1; 5½ to 6-in., 30 ins., 5 lvs., 75c. Areca Sapida, 6-in., 50c each. G. Aschmann, 1012 Ontario St., Philadelphia.

Palms Latania Bor., 4-in., $15 per 100. Kentia Bel., 5-in., $60 per 100. Storrs & Harrison Co., Painesville, O.

Palms, leading vars. Geo. Wittbold Co., 1657 Buckingham Pl., Chicago.

Palms of all kinds. R. Dreyer, Woodside, L. I., N. Y.

Palms. L. Van Houtte Pere, Ghent, Belgium.

PANICUMS.

Panicums, varigatium, 40c per doz.; $2 per 100. R. Vincent, Jr. & Son, White Marsh, Md.

PANSIES.

Pansies, $3 per 1,000; 50c per 100. Jos. H. Cunningham, Delaware, O.

PELARGONIUMS.

Pelargoniums, rooted cuttings, 15 named vars., $2.25 per 100 prepaid. S. D. Brant, Clay Center, Kans.

If you do not find what you need in our Ready Reference Department, write us about it.

PEONIES.

Peonies, Prince Charles, Lord Salisbury, Duchess of Sutherland, Rosea maxima, Mme. Furtado, Philomile, Leonie, Mons. Boquil, Festiva, Hypatia, Mons. Rousselon, Mme. Moreau, 1 yr., $1.50 per doz.; $10 per 100; 2 yr., $2 per doz.; $15 per 100. Thos. S. Ware, Ltd., Feltham, England.

Peonies, Queen Victoria, $9 per 100. Festiva Maxima, $30 per 100; Fragrans, $6 per 100. G. H. Wild, Sarcoxie, Mo.

Peonies a specialty. Peterson Nursery, 503 W. Peterson Ave., Chicago.

Peonies, all vars. Jacs Smits, Ltd., Naarden, Holland.

PETUNIAS.

Petunias, dbl. fringed, mixed, 50c per doz.; $2.50 per 100. R. Vincent, Jr. & Son, White Marsh, Md.

Petumias, dbl., R. C., $1.25 per 100; $10 per 1,000. S. D. Brant, Clay Center, Kans.

Petunias, R. C., 10 kinds, $1. Byer Bros., Chambersburg, Pa.

Petunias, 4 vars., R. C., $3; 2½-in., $5. Geo. A. Kuhl, Pekin, Ill.

POINSETTIAS.

Poinsettias, 6-in. pans, 3 plts. in pan, $1 each; $10 per doz.; 7-in., 4 plts., $1.25 each; $12 per doz.; 8-in., 5 plts. in pan, $1.75 each; $20 per doz.; 10-in., 6 plats. in pan, $2.50 each; $30 per doz. Vaughan's Seed Store, Chicago and New York.

PRIMULAS.

Primroses, Chinese, obconica and Baby, 2½-in., $5; 3-in., $8; 4-in., $12.50. Geo. A. Kuhl, Pekin, Ill.

PRIVET.

Privet, California, 1-yr., 18 to 24 ins., 3 to 4 branches, $12 per 1,000; 2 to 3 feet, 5 branches, $16 per 1,000; 3 to 4 ft., bushy, $20 per 1,000. Furrow & Co., Guthrie, Okla.

Privet, California, the best. R. Dreyer, Woodside, L. I., N. Y.

RHODODENDRONS.

Rhododendrons, leading forcing vars., $18 to 20 ins. high, full of buds, $9 per doz.; 20 to 24 ins., $12 per doz. Storrs & Harrison Co., Painesville, O.

Rhododendrons, leading vars., 10 to 15 buds, $1.25 each; $12 per doz. Vaughan's Seed Store, Chicago and New York.

Rhododendrons. Van Heiningen Bros. & Co., Boskoop, Holland.

Rhododendrons. Jacs Smits, Ltd., Naarden, Holland.

Rhododendrons, Cottage Gardens Co., Queens, L. I., N.Y.

ROSES.

Roses, hybrid, best kinds, 2-yr., $11 per 100. Crimson Rambler, 2-yr., 3 to 4 ft., $12 per 100; 3-yr., 4 to 5 ft., $15 per 100. Frau Karl Druschke, 2-yr., field-grown, $2 per doz.; $15 per 100. American Beauty, 2-yr., $2 per doz.; $15 per 100. Kaiserin Aug. Victoria, 2-yr., $2 per doz.; $15 per 100. Baby Rambler, 2-yr., $3 per doz.; $25 per 100; 1-yr., $2 per doz.; $15 per 100. La France, 2-yr., $2 per doz.; $15 per 100. Gruss an Teplitz, 2-yr., $2 per doz.; $15 per 100. Vaughan's Seed Store, Chicago and New York.

Roses, home grown, Baby Rambler, $2.50 per doz.; $20 per 100. Hermosa, $1.65 per doz.; $12.50 per 100. C. Soupert, $1.65 per doz., $12.50 per 100. Imported, extra heavy hybrid perpetuals, all vars., $1.50 per 10; $12.50 per 100. Baby Rambler, $2 per 10; $17.50 per 100; Crimson Rambler, $1.75 per 10; $15 per 100. Perennial Gardens Co., Toledo, O.

Roses. We grow to order for March, April and May delivery. Bride, Bridesmaid, Perle, Chatenay, Ivory and Richmond rose plants, from 2½-in. pots, at $3 per 100; $25 per 1,000. First-class stock guaranteed. J. F. Ammann, Edwardsville, Ill.

Rose plants, own roots. C. M. Niuffer, Springfield, O.

Roses, Beauty, R. C., $25 per 1,000; 2½-in., $6 per 100; $55 per 1,000; 3-in., $75 per 1,000. Bride, Maid, Gate, Uncle John, Chatenay, R. C., $18 per 1,000; 2½-in., $4.50 per 100; $40 per 1,000; 3½-in., $55 per 1,000. Richmond, R. C., $20 per 1,000; 2½-in., $4.50 per 100; $40 per 1,000; 3½-in., $55 per 1,000. Perle, Sunrise, Kate Moulton, Rosalind Or English, R. C., $20 per 1,000; 2½-in., $5 per 100; $45 per 1,000; 3½-in., $60 per 1,000. Kaiserin, 2½-in., $4.50 per 100; $40 per 1,000; 3½-in., $55 per 1,000. Poehlmann Bros. Co., Morton Grove, Ill.

Roses, rooted cuttings, Richmond, Bridesmaid, Bride, U. John, Chatenay, Ivory, $1.50 per 100; $12.50 per 1,000. Sunrise, $3 per 100; $25 per 1,000. Perle, $2 per 100; $17.50 per 1,000. Bench plants, 1-yr., Liberty, Perle, Ivory, $5 per 100; $40 per 1,000. Am. Beauty, $10 per 100; $75 per 1,000. Peter Reinberg, 51 Wabash Ave., Chicago.

Roses, rooted cuttings, Brides, Maids, Chatenay, Richmond, $1.50 per 100; $12.50 per 1,000. Perle, $2.50 per 100; $20 per 1,000. Am. Beauty, $3 per 100; $25 per 1,000. Bassett & Washburn, 76 Wabash Ave., Chicago.

Roses, rooted cuttings, Bride, Maid, Golden Gate, Chatenay, $1.50 per 100; $12.50 per 1,000. Richmond, $2 per 100; $18 per 1,000. W. H. Gullett & Sons, Lincoln, Ill.

Roses, grafted on Dickson's Irish manetti, Kaiserin, Bride, Bridesmaid, Killarney and Richmond, $120 per 1,000. Robt. Scott & Son, Sharon Hill, Pa.

Roses, 2-yr., field-grown. Dorothy Perkins, $8 per 100. Crimson Rambler, $10 per 100. Hybrid perpetuals, $10 to $12 per 100. Jackson & Perkins, Newark, N. Y.

Rose, Queen Beatrice, finest forcing pink, to be disseminated spring of 1907. F. H. Kramer, 916 F St., N. W., Washington, D. C.

Roses, Killarney, rooted cuttings and plants, large stock, early delivery. Write to headquarters. Weiland & Risch, 59 Wabash Ave., Chicago.

Roses, rooted cuttings of Bride and Bridesmaid, $1.50 per 100. Brant Brothers, Utica, N. Y. Successors to Peter Crowe.

Roses, 2¼ and 4-in. pot plants, Phila. Rambler, Cr. Rambler, Dorothy Perkins and others. Conard & Jones Co., West Grove, Pa.

Roses, 1,000 varieties, from 2½, 4 and 5-in. pots, own roots. Dingee & Conard Co., West Grove, Pa.

Roses, 101 best sorts, own roots, 2½ and 4-in. Leedle Floral Co., Springfield, O.

Roses, low bud, Baby, Beauty, Persian yellow, Standard H.P., etc. Van Heiningen Bros. Co., Boskoop, Holland.

Roses, Crimson Rambler, $10 per 100. Capital City Nursery, Box 586, Atlanta, Ga.

Rose Aurora. Paul Niehoff, Lehighton, Pa.

Roses, leading kinds. W. & T. Smith Co., Geneva, N. Y.

Roses, climbing plants. Jacs Smits, Ltd., Naarden, Holland.

Roses, from 3-in. pots. Wood Bros., Fishkill, N. Y.

Roses. Geo. A. Kuhl, Pekin, Ill.

SAGE.

Sage, Holt's Mammoth, 40c per doz.; $2 per 100. R. Vincent, Jr. & Son, White Marsh, Md.

SALVIAS.

Salvias, R. C., $1 per 100; $8 per 1,000. S. D. Brant, Clay Center, Kans.

Salvias, Bonfire and Splendens, R.C., 90c. Byer Bros., Chambersburg, Pa.

Salvia Bonfire, R. C., 75c. Shippensburg Floral Co., Shippensburg, Pa.

Salvias, R. C., $2; 2½-in., $3.50. Geo. A. Kuhl, Pekin, Ill.

SEEDS.

Seeds. W. Atlee Burpee Co., Philadelphia, Pa.

Seeds, cucumber Perfection, per oz., 50c; ¼ lb., $1.50; lb., $5. Cauliflower, Stokes' Standard, pkt., 25c; ½ oz., $2.50; oz., $4; ¼ lb., $12.50. Lettuce, Stokes' Big Boston, oz., 15c; ¼ lb., 40c; lb., $1.25; Grand Rapids, oz., 15c; ¼ lb., 40c; lb., $1.10. Radish, Scarlet Globe, oz., 10c; ¼ lb., 25c; lb., 75c; White Marble, oz., 10c; ¼ lb., 25c; lb., 75c. Tomato, Sparks' Earliana, oz., 40c; ¼ lb., $1.25; lb., $4. Rhubarb, whole clumps, per doz., $2; per 100, $12; per 1,000, $100. Asparagus, 5-yr., for forcing, $2 per doz.; per 100, $12; per 1,000, $100. Stokes' Seed Store, 219 Market St., Philadelphia.

Seeds, beets, cabbage, Cannon Ball and Rocky Ford muskmelon, watermelon, Bermuda and Calif. onion, okra, mustard, French and Calif., grown, radish, tomato, Mexican June corn, Kaffir corn, German millet, dwf. yel. Milo Maize, sugar cane, winter barley, Red Rust Proof oats, cotton seed, Whip. and white black-eyed field peas, Spanish peanuts, Johnson and Bermuda grass. Texas Seed and Floral Co., Dallas, Tex.

Seeds, sweet peas, Black Michael, David R. Williams, Phenomenal, oz., 10c; 4 ozs., 30c; lb., $1. E. J. Castle, Frank Dolbl, Mrs. A. Watkins, The Fairy, original pkt., 18c. Evelyn Byatt, Helen Lewis, Henry Eckford, John Ingman, oz., 15c; 4 ozs., 50c; lb., $1.50. Gladys Unwin, oz., 10c; 4 ozs., 20c; lb., 60c. Romolo Piazzani, oz., 25c; 4 ozs., 75c; lb., $2.50. Shasta, oz., 20c; 4 ozs., 60c; lb., $2. W. W. Rawson & Co., 5 Union St., Boston, Mass.

Seeds, Asparagus, A. plumosus nanus, Northern greenhouse grown seed, 100 seeds, 60c; 250 seeds, $1.25; 1,000 seeds, $4.50. Southern greenhouse grown, 1,000 seeds, $2.50; 5,000 seeds, $10. A. plumosus robustus, 100 seeds, $1; 1,000 seeds, $9. Decumbens, 100 seeds, 50c; 1,000 seeds, $40. Comorensis, 100 seeds, $1; 1,000 seeds, $7.50. Cash discount 2 per cent. Vaughan's Seed Store, Chicago and New York.

Seed, Asparagus plumosus, 1,000 seeds. $2; 6,000, $10; 13,000, $20; 25,000, $35; 50,000, $65; 100,000, $110. F. G. Taylor Seed Co., Inc., Box 99, Glendale, Cal.

Seeds, mignonette, New York Market. Sweet peas, pink and white. Tomato, The Don, Stirling Castle. Weeber & Don, 114 Chambers St., New York.

Seeds, aster, branching white, blue, shell pink, tr. pkt., 25c; ¼ oz., 60c. Ostrich Plume, tr. pkt., 50c; ½ oz., 75c. G. B. Hart, 24 Stone St., Rochester, N. Y.

Seeds, specialties, beans, cucumber tomato, radish, peas, muskmelon, sweet corn and squash. S. M. Isbell & Co., Jackson, Mich.

Seeds, all kinds, specialties, onion, carrot, lettuce, sweet peas. Pacific Seed Growers' Co., 109 Market St., San Francisco.

Seeds, cabbage and cauliflower. Hjalmar Hartmann & Co., 12 Stormgade, Copenhagen, 31 Barclay St., New York.

Seeds, all kinds of vegetable and flower seeds. C. C. Morse & Co., 171 Clay St., San Francisco.

Seeds, high grade grass, clover, agricultural and forest tree seeds. Conrad Appel, Darmstadt, Germany.

Seed, Asparagus plumosus, $2.50 per 1,000; 60c per 100. Jos. Cunningham, Delaware, O.

Seeds, gaillardia, all colors, large packet, $1. Riverside Greenhouses, Auburndale, Mass.

Seeds, highest grade. J. M. Thorburn & Co., 33 Barclay St., New York.

Melon seeds a specialty. Freeman Hurff, Swedesboro, N. J.

Seeds, high grade asters. James Vick's Sons, Rochester, N. Y.

Seeds of all kinds. A. T. Boddington, 342 W. 14th St., New York.

Seeds, vegetable and flower. A. J. Pieters Seed Co., Hollister, Cal.

Seeds, Snowball cauliflower. R. Wiboltt, Nakskov, Denmark.

Seeds, Puget Sound Cabbage. Chas. H. Lilly Co., Seattle, Wash.

If you do not find what you need in our Ready Reference Department, write us about it.

Seeds, all kinds. John Scheepers & Co., New York.

SMILAX.

Smilax. Wood Bros., Fishkill, N. Y.

SPIREAS.

Spirea nana compacta, Clumps, $4 per 100. Storrs & Harrison Co., Painesville, O.

Spireas. Conard & Jones Co., West Grove, Pa.

Spireas. Jacs Smits, Ltd., Naarden, Holland.

STEVIAS.

Stevia, rooted cuttings, $1 per 100. E. T. Wanzer, Wheaton, Ill.

STOCK WANTED.

Wanted a few hundred Nutt, Poitevine and a good white, R. C., 2¼ or 3-in. J. M. Bell, Glencoe, Ill.

Wanted Echeveria secunda glauca. W. N. Rudd, Mt. Greenwood, Ill.

SWAINSONA.

Swainsona alba, R.C., $1. Byer Bros., Chambersburg, Pa.

VEGETABLE PLANTS.

Vegetable plants, cabbage, New Early and Succession, $1.25 per 1,000. Lettuce, Grand Rapids, Big Boston, Boston Market and Tennis Ball, $1 per 100. Parsley, Moss Curled, $1.25 per 1,000. Tomatoes, Lorillard and Mayflower, 40c per doz.; $2 per 100. R. Vincent, Jr., & Son, White Marsh, Md.

VERBENAS.

Verbenas, 60 named vars., Rooted cuttings, 75c per 100; $6 per 1,000. Plants, $2.50 per 100; $20. per 1,000. J. L. Dillon, Bloomsburg, Pa.

Lemon verbenas, 40c per doz.; $2 per 100. R. Vincent, Jr. & Son, White Marsh, Md.

Verbenas, R. C., 60c per 100; $5 per 1,000. S. D. Brant, Clay Center, Kans.

Verbenas, mixed, R. C., 60c. Shippensburg Floral Co., Shippensburg, Pa.

Verbenas. Geo. A. Kuhl, Pekin, Ill.

VIBURNUMS.

Viburnum plicatum. Conard & Jones Co., West Grove, Pa.

VINCAS.

Vinca Var., R. C., 90c per 100; $7.50 per 1,000. Shippensburg Floral Co., Shippensburg, Pa.

Vinca Var., 2-in., $2 per 100. Geo. M. Emmans, Newton, N. J.

Vincas, 4-in. pots, $1.50 per doz. Geo. A. Kuhl, Pekin, Ill.

Vinca Var., R. C., 90c. Byer Bros., Chambersburg, Pa.

VIOLETS.

Violets, Lady Hume Campbell, Princess of Wales, Swanley White, Admiral Avellan, Luxonne, from 2½-in. pots, $3.50 per 100; $30 per 1,000. Dingee & Conard Co., West Grove, Pa.

Violets, Gov. Herrick, new single violet, good keeper; rooted cuttings $2 per doz.; $10 per 100; $75 per 1,000; 5,000 or more, $60 per 1,000. H. R. Carlton, Willoughby, O.

Violets. Wood Bros., Fishkill, N. Y.

WHOLESALE CUT FLOWERS.

Commission Dealers.

Allen, J. K., 106 W. 28th St., New York.

Amling, E. C., 32-36 Randolph St., Chicago.

Berning, H. G., 1402 Pine St., St. Louis.

Cleveland Cut Flower Co,, 215 Huron road, Cleveland, O.

Deamud, J. B., Co., 51 Wabash Ave., Chicago.

Eberman, C. W., 53 W. 30th St., New York.

Flower Growers' Market, 60 Wabash Ave., Chicago.

Ford Bros., 48 W. 28th St., New York.

Froment, Horace E., 57 W. 28th St., New York.

Guttman, Alex. J., 43 W. 28th St., N. Y.

Holton & Hunkel Co., 462 Milwaukee St., Milwaukee, Wis.

Henshaw, A. M., 52 W. 28th St., New York.

Horan, Edward C., 55 W. 28th, N. Y.

Hunt, E. H., 76 Wabash Ave., Chicago.

Kennicott Bros. Co., 40-44 Randolph St., Chicago.

Kuehn, C. A., 1122 Pine St., St. Louis.

Langjahr, Alfred H., 55 W. 28th St., New York.

McCullough's Sons Co., J. M., 316 Walnut St., Cincinnati, O.

McKellar, Chas. W., 51 Wabash Ave., Chicago.

McKissick, W. E., 1221 Filbert St., Philadelphia.

Michigan Cut Flower Exchange, 38-40 Broadway, Detroit, Mich.

Murdoch, J. B., & Co., 745 Liberty Ave., Pittsburg, Pa.

N. Y. Cut Flower Ex., Coogan Bldg., 6th Ave. and W. 26th St., New York.

Niessen Co., Leo, 1217 Arch St., Phila.

Pennock-Meehan Co., 1608-18 Ludlow St., Philadelphia.

Pittsburg Cut Flower Co., Ltd., 222 Oliver Ave., Pittsburg, Pa.

Pittsburg Florists' Exchange, 217-223 Diamond St., Pittsburg, Pa.

Pollworth, C. C. Co., Milwaukee, Wis.

Randall, A. L. Co., 19 Randolph St., Chicago.

Raynor, John I., 49 W. 28th St., N. Y.

Rice Bros., 128 N. 6th St., Minneapolis, Minn.

Robinson, Henry M., & Co., 11-15 Province St., Boston.

Seligman, John, 56 W. 26th St., N. Y.

Sheridan, Walter F., 39 W. 28th St., New York.

Smith & Co., W. C., 1316 Pine St., St. Louis, Mo.

Traendley & Schenck, 44 W. 28th St., New York.

Vaughan & Sperry, 58-60 Wabash Ave., Chicago.

Welch Bros., 226 Devonshire St., Boston.

Winterson, E. F. Co., 45-49 Wabash Ave., Chicago.

Young, A. L. & Co., 54 W. 28th St., New York.

Young, Thos., 43 W. 28th St., N. Y.

Zech & Mann, 51 Wabash Ave., Chicago.

Growers.

Bassett & Washburn, 76-78 Wabash Ave., Chicago.

Benthey-Coatsworth Co., The, 35 Randolph St., Chicago.

Bruns, H. N., 1409-11 W. Madison St., Chicago.

Budlong, J. A., 37-39 Randolph St., Chicago.

Chatogue Greenhouses, Mobile, Ala.

Elliott, W. H., Brighton, Mass.

Hill, The E. G. Co., Richmond, Ind.

Jensen & Dekema, 674 W. Foster Ave., Chicago.

Peacock Dahlia Farms, Atco, N. J.

Poehlmann Bros. Co., 35-37 Randolph St., Chicago.

Reinberg, Peter, 51 Wabash Ave., Chicago.

Rising-Dunscomb Co., Inc., 205 No. Broadway, Los Angeles, Cal.

Scheiden & Schoos, 60 Wabash Ave., Chicago.

Sinner Bros., 60 Wabash Ave., Chicago.

Weiland & Risch, 59 Wabash Ave., Chicago.

Wietor Bros., 51 Wabash Ave., Chicago.

Wilcox, J. F., Council Bluffs, Iowa.

Wittbold, Geo. Co., 1657 Buckingham Place, Chicago.

RETAIL CUT FLOWERS.

Alpha Floral Co., Kansas City, Mo.

Atlanta Floral Co., 41 Peachtree St., Atlanta, Ga.

Bertermann Bros. Co., 241 Massachusetts Ave., Indianapolis, Ind.

Blackistone, 14th and H Sts., N. W., Washington, D. C.

Boland, J. B. Co., 47-49 Geary St., San Francisco.

Breitmeyer's Sons, John, cor. Miami and Gratiot Aves., Detroit, Mich.

Cooke, George H., Connecticut Ave. and L. St., Washington, D. C.

Daniels & Fisher, Denver Colo.

Donohoe, W. H., 2 W. 29th St., N. Y.

Eyres, H. G., 11 N. Pearl St., Albany, N. Y.

Galvin, Thos. F., 124 Tremont St., Boston.

Gude, A. & Bro., 1214 F St., Washington, D. C.

Hansen, Mrs. M. A., Galveston, Tex.

Hartung, George C., 365-367 East North Ave., Chicago.

Hauswirth, P. J., Audit. Annex, Chicago.

Hess & Swoboda, 1415 Farnum St., Omaha, Neb.

Holm & Olson, St. Paul, Minn.

Keller, J. B., Sons, 25 Clinton St., Rochester, N. Y.

Kellogg, Geo. M., 906 Grand Ave., Kansas City, Mo.; also Pleasant Hill, Mo.

Lange, A., 40 E. Madison St., Chicago.

Livingston Seed Co., Columbus, O.

Matthews, 16 W. 3rd St., Dayton, O.

Mayberry & Hoover, 1339 14th St., N. W., Washington, D. C.

Miller, Theo., 4832 Delmar Blvd., St. Louis, Mo.

Mills The Florist, 36 W. Forsythe St., Jacksonville, Fla.

Murray, Samuel, Coates House Con., 1017 Broadway, Kansas City, Mo.

Park Floral Co., The, Denver, Colo.

Palmer's, Buffalo, N. Y.

Schulz, J., 644 4th Ave., Louisville, Ky.

Virgin, Uriah J., 333 Canal St., New Orleans, La.

Weber, Fred C., 4320-28 Olive St., St. Louis, Mo.

Wilcox, J. F., Council Bluffs, Iowa.

Wilson, Robt. G., Fulton St. and Greene Ave., Brooklyn, N. Y.

Youngs, 1406 Olive St., St. Louis, Mo.

BOILERS.

Boilers, improved greenhouse boilers, made of best material; shell firebox sheets and heads of steel; water space all around (front, sides and back). Kroeschell Bros. Co., 45 Erie Street, Chicago.

Boilers, Gurney heaters, heat by steam or hot water. Gurney Heater Mfg. Co., 111 5th Ave., New York; 74 Franklin St., Boston.

Boilers, the Burnham boilers, made for greenhouse heating. Lord & Burnham Co., 1133 Broadway, New York.

Boilers, corrugated, fire box and sectional, greenhouse heating. Hitchings & Co., 1170 Broadway, New York.

Boilers, boilers of high grade for greenhouses. Steam and hot water. Giblin & Co., Utica, N. Y.

Boilers of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

Boilers, water tube steam boilers. King Construction Co., N. Tonawanda, N. Y.

Boilers, write for prices. Johnston Heating Co., 1133 Broadway, N. Y.

Boilers. Myers & Co., 1122 Betz Bldg., Philadelphia.

BOXES.

Cut flower boxes, 18x5x3, $2 per 100; 18x6x3½, $2.50; 21x6x3½, $3; 18x8x4, $3.10; 21x8x4, $3.25; 24x8x4, $3.60; 36x8x5, $6.50; 16x4x3, $1.50; 21x5x3, $2; 30x6x3½, $3.50; 20x4x3, $2. Printing free on orders of 1,000 boxes. C. C. Pollworth Co., Milwaukee, Wis.

Cut flower boxes, 3x4x20, $4 per 100; 3x5x24, $4.50; 3x7x21, $4.50; 6x6x24, $6.80; 4x12x24, $9; 6x12x24, $10.50; 6x12x30, $12.50; 5x12x36, $14; 6x12x36, $15; 6x15x42, $20; 6x15x48, $23. Getmore Box Factory, Inc., Belleville, Ala.

If you do not find what you need in our Ready Reference Department, write us about it.

Cut Flower Boxes, water-proof, corner lock style. No charge for printing on orders above 250 boxes. Livingston Seed Co., Columbus, O.

Cut Flower Boxes; send for prices. Edwards Folding Box Co., Philadelphia, Pa.

BUILDING MATERIAL.

Building material, lumber for greenhouse benches. Ship lap, drop siding, sheeting, flooring, white cedar posts, etc. We are in special position to furnish "Pecky Cypress;" everything in pine and hemlock building lumber. Adam Schillo Lumber Co., cor. Weed and Hawthorn Sts., Chicago.

Building material. Cypress is far more durable than pine. Cypress sash bars up to 32 feet or longer. Greenhouses and other building material. Men furnished to superintend erection when desired. A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Building material, cypress sash bars, Tennessee red cedar posts, pecky cypress benches, hotbed sash and frames, ventilating apparatus, pine, fittings, and all supplies needed in new or reconstruction work. Foley Mfg. Co., 471 W. 22d St., Chicago.

Building material, greenhouse material and hotbed sash of Louisiana cypress and Washington red cedar. A. Dietsch Co., 617 Sheffield Ave., Chicago.

Building material, cypress sash bars, greenhouse material of any description. Write for catalogue. John C. Moninger Co., 111-125 Blackhawk St., Chicago.

Building and propagating sands, fire brick and fire clay, Portland cement, hard wall plaster. Garden City Sand Co., Security Bldg., Chicago.

Building material for U-Bar greenhouses. Pierson U-Bar Co., Metropolitan Bldg., 4th Ave. and 23d St., N. Y.

Building material of all descriptions, cold frames, hotbed sash, etc. Lord & Burnham Co., 1133 Broadway, N. Y.

Building material, cold frames, hotbed sash of every description. Hitchings & Co., 1170 Broadway, New York.

Greenhouse materials of all kinds for greenhouse heating. Johnston Heating Co., 1133 Broadway, New York.

Building material, yellow pine boards cut to exact lengths. L. L. Satler Lumber Co., Pittsburg, Pa.

Building material of all kinds. S. Jacobs & Sons, 1365-79 Flushing Ave., Brooklyn, N. Y.

Building Material of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

CONCRETE MACHINES.

Ideal Concrete Machines for concrete block construction. Ideal Concrete Machinery Co., Dept. Y., South Bend, Ind.

CUT FLOWER HOLDER.

The Anglais table decoration, made in sections, can be adjusted to any form desired. "Japana" flower holder, 4½-in., 50c; 3½-in., 35c; 2½, 25c. M. V. Garnsey, 131 So. Waiola Ave., La Grange, Ill.

FERTILIZERS.

Wizard Brand pulverized sheep manure. The Pulverized Manure Co., 32 Exchange Ave., Chicago.

GLASS.

Glass importers and jobbers; greenhouse glass a specialty. Window glass. James H. Rice, corner Michigan, St. Clair, and Illinois Sts., Chicago.

Glass, a lot of 16x18 A and B double strength at low price. A. Dietsch Co., 617 Sheffield Ave., Chicago.

Glass, window glass. Greenhouse glass a specialty. H. M. Hooker Co., 59 W. Randolph St., Chicago.

Glass, French and American "White Rose" brand. Stenzel Glass Co., 2 Hudson St., New York.

Glass, all sizes. Metropolitan Material Co., 1398 Metroplitan Ave., Brooklyn, N. Y.

Glass, all kinds and sizes. Sharp, Partridge & Co., 22d and Lumber Sts., Chicago.

GLAZING POINTS.

Glazing Points, see the point? Holds glass firmly. Peerless glazing points are the best. No rights or lefts. Box of 1,000 points, 75c, postpaid. Henry A. Dreer, 714 Chestnut St., Philadelphia.

Siebert's zinc never rust glazing points, 2 sizes, ⅝ and ⅞, 40c per lb. 16c extra by mail; 7 lbs., $2.50; 15 lbs., $5 by express. Siebert Co., Baum and Beatty Sts., Pittsburg, Pa.

GOLD FISH.

Gold Fish, Comets, Japanese Fantails, Fringetails, Telescopes, etc. Fish globes and aquariums. The J. M. McCullough's Sons Co., 316 Walnut St., Cincinnati, O.

Goldfish aquaria and aquarium supplies. Fred. Kaempfer, 88 State St., Chicago.

GREENHOUSE CONSTRUCTION.

Greenhouse Construction, builders of greenhouses for private estates, institutions, parks, etc. Pierson U-Bar Co., Metropolitan Bldg., 4th Ave. and 23d St., New York.

Greenhouse Construction, sash bar greenhouses. New Truss construction and iron frame houses. Lord & Burnham Co., 1133 Broadway, N. Y.

Greenhouse Construction, builders of every type of greenhouses; the most modern designs. Hitchings & Co., 1170 Broadway, N. Y.

Greenhouse construction, horticultural architects and builders. Steel construction a specialty. Probst & Christianson, 124 N. Seventh St., De Kalb, Ill.

Greenhouse Construction, builders of modern greenhouses. Myers & Co., 1122 Betz Bldg., Philadelphia.

GUTTERS.

Gutters, Jennings' improved iron gutters. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

Gutters, Lord & Burnham Improved V-shape gutter, with drip gutter attachment. Lord & Burnham Co., 1133 Broadway, N. Y.

Gutters, Garland's gutters will keep snow and ice off your glass. A sample of our gutters is on exhibition at Chicag Flower Growers' Market. Geo. M. Garland, Des Plaines, Ill.

Gutters, new duplex gutter, only drip-proof gutter on the market. E. Hippard, Youngstown, O.

INSECTICIDES.

Insecticides, tobacco paper, 24 sheets, 75c; 144, $3.50; 288, $6.50; 1,728, $35.10. Nico-Fume Liquid, ¼ pint, 50c; pint, $1.50; ½ gal., $5.50; gal., $10.50; 5 gal., $47.25. Kentucky Tobacco Product Co., Louisville, Ky.

Insecticides, Nikoteen Aphis Punk, 60c per box 12 sheets; $6.50 per case of 12 boxes. Nikoteen Liquid, $1.50 per pint; $13 per case of 10 pints. Nicotine Mfg. Co., St. Louis, Mo.

Wilson's Plant Oil, for scale and insects, ½ pt., $25c; pt., 40c; qt., 75c; ½ gal., $1.25; gal., $2; 5 gals., $9. Andrew Wilson, Summit, N. J.

Insecticides, Hasco liquid nicotine, pts., $1.35; half gal., $5.25; gal., $10. H. A. Stoothoff Co., 116 West St., New York.

Fumigating Supplies, vaporizing pans for tobacco extract, improved. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

Insecticide, Nicoticide, Bug Killer, the best bug killer and bloom saver. P. R. Palethorpe Co., Louisville, Ky.

Insecticides, Carman's Antipest insecticide and fungicide, $1.50 per gal. Perfection Chem. Co., Flushing, N. Y.

Fumigating supplies, tobacco stems, 300 lb. bales, $1.50. W. C. Beckert, 103 Federal St., Allegheny, Pa.

LAWN MOWERS.

Lawn Mower. The Clipper lawn mower, No. 1, 12-in., $5; No. 2, 15-in., $6; No. 3, 18-in., $7; No. 4, 20-in., $8. Draft, money order or reg. letter. Clipper Lawn Mower Co., Dixon, Ill.

METAL DESIGNS.

Metal signs, send for prices. A. Herrmann, 404-12 E. 34th St., New York.

MISCELLANEOUS.

Engravings, best engravings and illustrations of every description for catalogues. Send for estimates. Globe Eng. & Elec. Co., 427 Dearborn St., Chicago.

Tufa store ornamental water fountains, grottoes, rockeries, ferneries, etc. Probst & Christianson, 124 N. Seventh St., De Kalb, Ill.

Printing, large runs of catalogues a specialty. Write for figures. Regan Printing House, 89-91 Plymouth Place, Chicago.

Florists' overdue accounts and bad debts collected by the National Florists' Board of Trade, 56 Pine St., N. Y.

M. & D. artificial calyxes, $1.75 per 100; $15 per 1,000. Maxfield & Dimond, Box 304, Warren, R. I.

Baur's carnation mender. Pliers, $3; 1,000 clips, $1. Baur Floral Co., 18 W. 10th St., Erie, Pa.

PAINT, PUTTY, ETC.

Paint, Ideal Greenhouse Lead; Special Greenhouse Putty. Lord & Burnham Co., 1133 Broadway, N. Y.

Paint, putty, etc. The Jas. H. Rice Co., cor. Michigan, St. Clair and Illinois streets, Chicago.

R. I. W. damp resisting paint. Garden City Sand Co., Security Bldg., Chicago.

PIPE, FITTINGS, ETC.

Pipe, iron fittings, etc., galvanized iron sash hinges, screw eyes, screw hooks, U bolts, galvanized iron buckles and wires. Fittings for purlin and ridge supports. Foley Mfg. Co., 471 W. 22d St., Chicago.

Iron Fittings, patent iron bench fittings and roof supports. Diller, Caskey & Co., 6th and Berk Sts., Philadelphia.

Pipes, valves, fittings of all kinds. Chicago House Wrecking Co., 35th and Iron Sts., Chicago.

A Bargain, 4-in. cast iron pipes, 5 foot lengths at 12c per foot. C. C. Pollworth Co., Milwaukee.

POTS, PANS, ETC.

Pots, standard flower, 1½-in., $2.77 per 1,000; 2-in., $3.33; 2½-in., $3.88; 3-in., $5.27; 3½-in., $6.10; 4-in., $7.77; 4½-in., $10; 5-in., $13.88; 6-in., $22.20; 7-in., $4 per 100; 8-in., $6; 9-in., $8.88; 10-in., $13.33; 12-in., $22.22; 14-in., $38.88; 16-in., $66.66; 20-in., $1.25 each. Azalea pots and bulb pans same price. 2x2½-in. rose pots, $3.88 per 1,000. A. F. Kohr, 1521 N. Leavitt St., Chicago.

Pots, standard, seed pans, cut flower cylinders, hanging baskets, lawn vases, etc. Hilfinger Bros. Pottery, Ft. Edward, N. Y.

Pots, standard flower pots. The Whildin Pottery Co., Philadelphia, Pa.; Jersey City, N. J.; Long Island City, N. Y.

Pots, before buying write for prices. Geo. Keller & Son, 361-63 Herndon St., near Wrightwood Ave., Chicago.

Pots, red standards, full size and wide bottoms. Detroit Flower Pot Mfy., 490 Howard St., Detroit, Mich.

Pots, garden vases, hanging baskets. Twin City Pottery Mfg. Co., 2406 Marshall St. N. E., Minneapolis, Minn.

Pots, red standard, azalea pots. The Keller Pottery Co., 213-223 Pearl St., Norristown, Pa.

Pots, pots of all kinds. A. H. Hews & Co., No. Cambridge, Mass.; Long Island City, N. Y.

Pot hangers, Kramer's $1 doz. by exp., $1.25 by mail. I. N. Kramer & Son, Cedar Rapids, Ia.

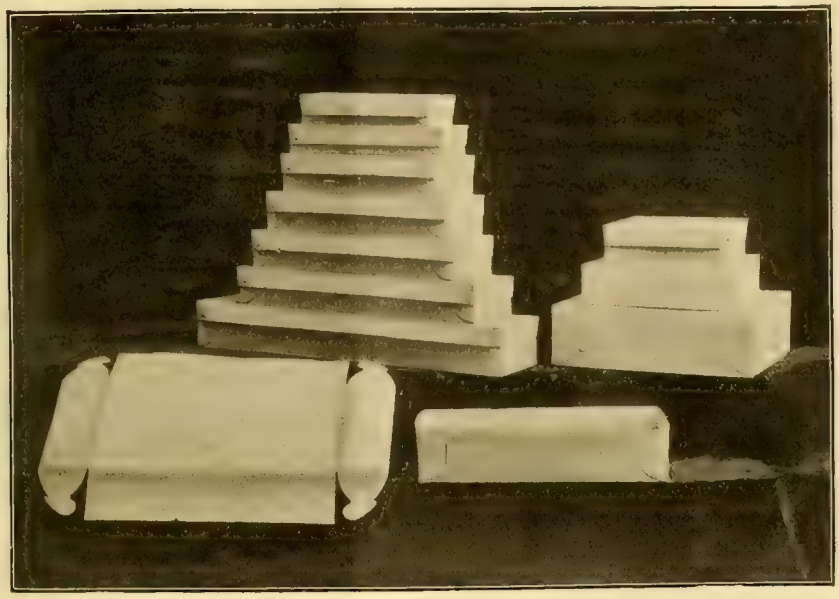
The Red Pot, C. C. Pollworth Co., all roads connect with Milwaukee.

Pots, red standard. Paducah Pottery Co., Paducah, Ky.

SUPPLIES.

Supplies, flower baskets, novelties. Riessner Bros., Lichtenfels, Bavaria.

THE CHEAPEST CUT FLOWER BOX EVER OFFERED.



Kindly Take Notice. During our January Sale if you want to buy a more reliable Flower Box than those offered by competing sources, for less money we quote you as follows:

Note the comparison.

Quantity	Size	Per 100 Our price	Lowest price of competing dealers
6900	18x5x3	$2.00	$2.15
9997	18x6x3½	2.50	2.70
6540	21x6x3½	3.00	3.10
8791	18x8x4	3.10	3.75
8558	21x8x4	3.25	4.00
720	24x8x4	3.60	3.85
3056	36x8x5	6.50	7.00
9555	16x4x3	1.50	1.85
5264	21x5x3	2.00	2.60
4509	30x6x3½	3.50	5.75
8072	20x4x3	2.00	2.10

Printing free on orders of 1,000 boxes. The **cost** of a Cut Flower **Box** enters into every **sale** of Cut **Flowers.** If interested, here's where you save buying Flower Boxes.

All Roads Connect With POLLWORTH MILWAUKEE LEADERS IN OUR LINES.

Le Journal des Roses.

Organ of the French Rosarians.

Published at Paris. Once a month with colored plates.

Subscription $2.70 per Year. Sample Copies Free.

ADMINISTRATION DU JOURNAL DES ROSES
a SUISNES, Brie
a Grisy-Suisnes. (Seine et M FRANCE.

Please mention the American Florist when writing

L. BAUMANN & CO.,

Importers and Manufacturers of
Florists' Supplies

76-78 Wabash Ave., CHICAGO.

Write for our New Catalogue F. Our prices may interest you.

Please mention the American Florist when writing.

REED & KELLER,

122 W. 25th St., NEW YORK.

FLORISTS' SUPPLIES.

We manufacture all our

Metal Designs, Baskets, Wire Work & Novelties

and are dealers in Glassware, Pottery, Decorative Greens and all Florists' Requisites.

Please mention the American Florist when writing

CUT FLOWER BOXES
EDWARDS FOLDING BOX CO
MANUFACTURERS
PHILADELPHIA, PA.

Please mention the American Florist when writing.

GREENHOUSE HEATING

Complete heating plants erected or materials furnished with working plans. Write for prices on **BOILERS.**

JOHNSTON HEATING COMPANY,

St. James Building, 1133 Broadway, NEW YORK.

THE ART OF

Floral..... Arrangement.

The first special newspaper in the world for floral arrangement.

250 ILLUSTRATIONS ANNUALLY.

Specimen number free.
Subscription, $2.40 yearly.

BINDEKUNST-VERLAG,
J. Olbertz, ERFURT, GERMANY.

Please mention the American Florist when writing.

Now is the Time

to Subscribe to the

Horticultural Trade Journal

Published weekly. The Largest Brightest, and Best British Trade Publication. Also

THE INTERNATIONAL EDITION

Published quarterly. Annual subscription for weekly and quarterly numbers, One dollar, (International money order). Subscribe to-day and keep in touch with European markets and topics.

THE HORTICULTURAL PRINTING COMPANY,
BURNLEY, ENGLAND.

SPLIT PINKS are never known by users of the M. & D. Artificial Calyx.

$ 1 75...per 100
15.00...per 1000
250 at 1000 rates.

Send for Sample. Maxfield & Dimond, Box 304. Warren. R. I. Patented.

The Best Way to Collect an Account

is to place it with the

NATIONAL FLORISTS' BOARD OF TRADE,
56 Pine St., New York.

Why? Because many debtors will pay the Board, fearing otherwise a bad rating in our Credit List. Full information as to methods and rates given on application.

EVANS' IMPROVED CHALLENGE VENTILATING APPARATUS

WRITE FOR ILLUSTRATED CATALOGUE
QUAKER CITY MACHINE WORKS.
RICHMOND, IND.

Gold Fish Aquaria

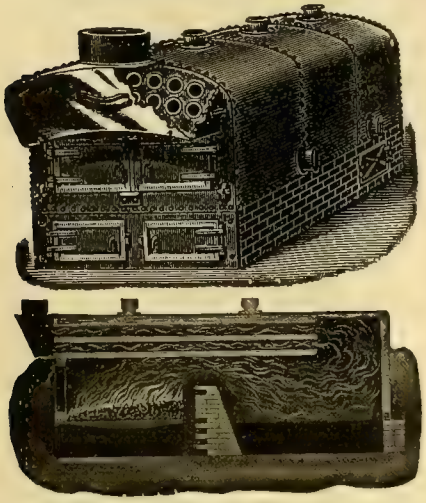
and Aquarium Supplies.

Write for catalogue.

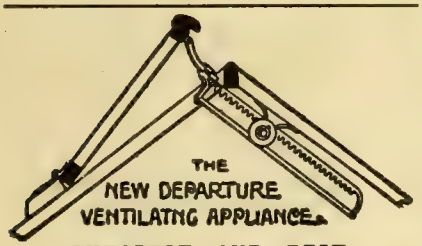
FRED KAEMPFER

88 State Street, CHICAGO, ILL.

KROESCHELL BROS. CO.
IMPROVED
Greenhouse Boiler
45 Erie Street, CHICAGO.



Boilers made of Steel Boiler Plate; shell, firebox sheets and heads of steel; water space all around front, sides and back. Write for information.
Please mention the American Florist when writing



CHEAPEST AND BEST.
If you doubt it try them and be convinced. Send for descriptive price circular.
J. D. Carmody, Evansville Ind.

CUT FLOWER BOXES WATERPROOF Corner Lock Style.
The best, strongest and neatest folding cut flower box ever made. Cheap, durable. To try them once is to use them always.

		Per 100	Per 1000
Size No.	0, 3x 4x20	$2.00	$19.00
"	1, 3x 4½x16	1.90	17.50
"	2, 3x 6x18	2.00	19.00
"	3, 4x 8x18	2.50	23.00
"	4, 3x 5x24	2.75	26.00
"	5, 4x 8x22	3.00	28.50
"	6, 4x 8x28	3.75	36.00
"	7, 6x16x20	5.50	54.00
"	8, 3x 7x21	3.00	28.50
"	9, 5x10x35	6.50	62.00
"	10, 7x20x20	9.50	67.50
"	11, 3½x5x30	3.00	28.50

Sample free on application. No charge for printing on orders above 250 boxes. Terms cash.
THE LIVINGSTON SEED COMPANY,
Box 104, COLUMBUS, OHIO.

GET OUR PRICES ON
Galvanized Wire Rose Stakes and Tying Wire.
IGOE BROTHERS,
Manufacturers of the **Model Plant Supports** for Carnations, Dahlias, Golden Glow, Chrysanthemums and Tomatoes.
63-71 Metropolitan Ave., BROOKLYN, N. Y.

N. TONAWANDA, N. Y. TORONTO, ONT.
KING CONSTRUCTION CO.
GREENHOUSE CONSTRUCTION AND EQUIPMENT
WRITE FOR CATALOGUE AND PRICES
Please mention the American Florist when writing.

THE HEART OF THE MATTER IS ALL HEART SUN DRIED CYPRESS
GREENHOUSE MATERIAL
IS THE VERY BEST—
FOLEY MFG. CO. 471 W. 22ND ST. CHICAGO,
HAVE IT, RIGHT FROM THE GULF OF MEXICO,
AND WILL MAKE YOU RIGHT PRICES—
SEND FOR SKETCHES ESTIMATES AND CATALOGUE FREE—
HOT-BED SASH. VENTILATING APPARATUS.
FITTINGS AND MANY OTHER THINGS—

If you are having delay in getting your roof material, send your orders TO US and don't be in trouble. We will handle any order in the time agreed. Try us.
FOLEY MANUFACTURING COMPANY,
471 W. 22nd Street, : : : CHICAGO.
Please mention the American Florist when writing.

FLORISTS, SEEDSMEN, NURSERYMEN
Yellow Pine Boards
RESAWED AND CUT TO EXACT LENGTHS FOR YOU
IS OUR SPECIALTY.
Our Prices and Material Will Please You. Furnished Delivered.
Prices on Inquiry.
L. L. SATLER LUMBER CO., Pittsburg, Pa.
Mills and Branch Office: Blackstone, Va.
Please mention the American Florist when writing

THE LOW PRICE HEATING PLANTS
The Chicago House Wrecking Co. is in position to offer you an interesting proposition for furnishing you with a heating plant at a saving of at least 30%. Send us a sketch of your houses with preferred location of the boiler, the points of compass and the desired night temperature for zero weather, and we will gladly submit you an exact detail quotation of all material required to install the plant. We have ***heaters*** and ***boilers*** of every kind, both new and rebuilt. We have always ou hand a large number of rebuilt boilers suitable for greenhouse heating. Our stock embraces ***fire box boilers, horizontal tubular boilers, Kroeschell boilers, cast iron sectional boilers, Erie City economizers*** and other types.
We can save you considerable money on ***pipe, valves*** and ***fittings;*** also on ***doors, glass, sash*** and everything needed in the construction of your buildings.
Ask for our Special Catalogue No. 47.
CHICAGO HOUSE WRECKING CO.,
35th and Iron Streets, CHICAGO.

Greenhouse Material of Louisiana Cypress and Washington Red Cedar
Hot Bed Sash
GREENHOUSE HARDWARE AND POSTS. PATENT V AND U GUTTERS.
OUR GRADES INVARIABLY THE BEST. OUR PRICES RIGHT.
Write for Catalogue and Estimate, when figuring on your new houses.
A. DIETSCH CO., 617 Sheffield Ave., CHICAGO.